SAIC An Employee-Owned Company
Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830 (423) 481-4600

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM51

PROJECT NAME: HAAF Long Term Monitoring, D.O. 44

PROJECT NUMBER: 01-1055-04-8991-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patty Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843) 556-8171

| Sample ID | Date Collected | Time Collected | Matrix | REQUESTED PARAMETERS: BTEX | VOC | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS |
|---|---|---|---|---|---|---|---|---|
| AC0242 | 1/15/05 | 1620 | water | 2 | | 2 | | |
| AC0942 | 1/15/05 | 1645 | | 2 | | 2 | | |
| AC2442 | | 1420 | | 2 | | 2 | | |
| AC1042 | | 1245 | | 2 | | 2 | | |
| AC2342 | | 1330 | | 2 | | 2 | | |
| AS0322 | 1/16/05 | 1420 | | | 2 | 2 | | 129005 |
| AS0722 | | 1155 | | | 2 | 2 | | |
| AS0222 | | 1350 | | | 2 | 2 | | |
| AS0522 | | 1040 | | | 2 | 2 | | |
| AS0622 | | 1130 | | | 2 | 2 | | |
| AS1022 | | 1325 | | | 2 | 2 | | |
| AS2122 | | 1305 | | | 2 | 2 | | |
| AS0424 | | 1100 | | | 2 | 2 | | |

| | Date/Time | | Date/Time | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: Patty Stoll | 1/17/05 1150 | RECEIVED BY: | 1.17.5 455 | TOTAL NUMBER OF CONTAINERS: 112 | Cooler Temperature: 4°C |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | Cooler ID: 176 | FEDEX NUMBER: N/A |
| RECEIVED BY: Ben Watkins | 1/17/05 1150 | RELINQUISHED BY: | | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Watkins | 1/17/05 1455 | RECEIVED BY: | | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM51

**PROJECT NAME:** HAAF Long Term Monitoring, D.O. 44

**PROJECT NUMBER:** 01-1055-04-8991-200

**PROJECT MANAGER:** Patty Stoll

Sampler (Signature) Patricia A. Stoll (Printed Name) PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS |
|---|---|---|---|---|---|---|---|---|
| AS0422 | 1/16/05 | 1100 | water | | 2 | 2 | | |
| ASBB22 | ↓ | 1210 | ↓ | | 2 | 2 | | |
| AS1422 | ↓ | 1020 | ↓ | | 2 | 2 | | |
| BF2762 | 1/13/05 | 1140 | water | 2 | 2 | 2 | | 125040 |

Patricia A. Stoll 1/16/05

| RELINQUISHED BY | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 13 10 12 | Cooler Temperature: 4°C |
|---|---|---|---|---|---|
| Patricia A. Stoll | 1/17/05 1150 | | 1.17.5 1455 | Cooler ID: 176 | FEDEX NUMBER: N/A |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | | |
| RECEIVED BY: Ben Walthall | Date/Time 1/17/05 1150 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Walthall | Date/Time 1/17/05 1455 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |

# FORMER FIRE TRAINING AREA

# JULY 2005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0252

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 141174

Matrix: (soil/water) WATER Lab Sample ID: 141174001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U522

Level: (low/med) LOW Date Received: 07/20/05

% Moisture: not dec. _____ Date Analyzed: 07/30/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U |
| 75-01-4 | Vinyl chloride | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U |
| 67-64-1 | Acetone | 2.2 | J |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 75-09-2 | Methylene chloride | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U |
| 67-66-3 | Chloroform | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 71-43-2 | Benzene | 1.0 | U |
| 79-01-6 | Trichloroethylene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 4.1 | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 127-18-4 | Tetrachloroethylene | 1.0 | U |
| 124-48-1 | Dibromochloromethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 1.0 | U |
| 100-41-4 | Ethylbenzene | 1.0 | U |
| 1330-20-7 | Xylenes (total) | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |

FORM I VOA OLM03.0

DATA VALIDATION COPY

1B

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0252

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 141174

Matrix: (soil/water) WATER Lab Sample ID: 141174001

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: S2H0233

Level: (low/med) LOW Date Received: 07/20/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/25/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/03/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10.2 | U | u |
| 108-95-2 | Phenol | 10.2 | U | |
| 111-44-4 | bis(2-Chloroethyl) ether | 10.2 | U | |
| 95-57-8 | 2-Chlorophenol | 10.2 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 10.2 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 10.2 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 10.2 | U | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.2 | U | |
| 95-48-7 | o-Cresol | 10.2 | U | |
| 621-64-7 | N-Nitrosodipropylamine | 10.2 | U | |
| 65794-96-9 | m,p-Cresols | 10.2 | U | |
| 67-72-1 | Hexachloroethane | 10.2 | U | |
| 98-95-3 | Nitrobenzene | 10.2 | U | |
| 78-59-1 | Isophorone | 10.2 | U | |
| 88-75-5 | 2-Nitrophenol | 10.2 | U | |
| 105-67-9 | 2,4-Dimethylphenol | 10.2 | U | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10.2 | U | |
| 120-83-2 | 2,4-Dichlorophenol | 10.2 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.2 | U | |
| 91-20-3 | Naphthalene | 1.0 | U | |
| 98-55-5 | alpha-Terpineol | 10.2 | U | |
| 106-47-8 | 4-Chloroaniline | 10.2 | U | |
| 87-68-3 | Hexachlorobutadiene | 10.2 | U | |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.2 | U | |
| 91-57-6 | 2-Methylnaphthalene | 1.0 | U | |
| 77-47-4 | Hexachlorocyclopentadiene | 10.2 | U | |
| 92-52-4 | 1,1'-Biphenyl | 10.2 | U | |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.2 | U | |
| 95-95-4 | 2,4,5-Trichlorophenol | 10.2 | U | |
| 91-58-7 | 2-Chloronaphthalene | 1.0 | U | |
| 88-74-4 | o-Nitroaniline | 10.2 | U | |
| 99-09-2 | m-Nitroaniline | 10.2 | U | |
| 131-11-3 | Dimethylphthalate | 10.2 | U | |



DATA VALIDATION COPY

1C

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0252

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 141174

Matrix: (soil/water) WATER Lab Sample ID: 141174001

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: S2H0233

Level: (low/med) LOW Date Received: 07/20/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/25/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/03/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 10.2 | U |
| 208-96-8 | Acenaphthylene | 1.0 | U |
| 83-32-9 | Acenaphthene | 1.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 20.4 | U |
| 132-64-9 | Dibenzofuran | 10.2 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10.2 | U |
| 84-66-2 | Diethylphthalate | 10.2 | U |
| 100-02-7 | 4-Nitrophenol | 10.2 | U |
| 86-73-7 | Fluorene | 1.0 | U |
| 7005-72-3 | 4-Chlorophenylphenylether | 10.2 | U |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 10.2 | U |
| 100-01-6 | p-Nitroaniline | 10.2 | U |
| 122-39-4 | Diphenylamine | 10.2 | U |
| 101-55-3 | 4-Bromophenylphenylether | 10.2 | U |
| 118-74-1 | Hexachlorobenzene | 10.2 | U |
| 1912-24-9 | Atrazine | 10.2 | U |
| 87-86-5 | Pentachlorophenol | 10.2 | U |
| 85-01-8 | Phenanthrene | 1.0 | U |
| 120-12-7 | Anthracene | 1.0 | U |
| 84-74-2 | Di-n-butylphthalate | 10.2 | U |
| 206-44-0 | Fluoranthene | 1.0 | U |
| 129-00-0 | Pyrene | 1.0 | U |
| 85-68-7 | Butylbenzylphthalate | 10.2 | U |
| 56-55-3 | Benzo(a)anthracene | 1.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.2 | U |
| 218-01-9 | Chrysene | 1.0 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10.2 | U |
| 117-84-0 | Di-n-octylphthalate | 10.2 | U |
| 205-99-2 | Benzo(b)fluoranthene | 1.0 | U |
| 207-08-9 | Benzo(k)fluoranthene | 1.0 | U |
| 50-32-8 | Benzo(a)pyrene | 1.0 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.0 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.0 | U |

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0252

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 141174

Matrix: (soil/water) WATER Lab Sample ID: 141174001

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: S2H0233

Level: (low/med) LOW Date Received: 07/20/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/25/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/03/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 1.0 | U | u |
| 86-74-8 | Carbazole | 10.2 | U | u |



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**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 141174 **METHOD TYPE:** SW846

**SAMPLE ID:** 141174001 **CLIENT ID:** AC0252

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 20-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 66.9 | ug/L | | | P | 4 | OPTIMA1 | 072805-1 |

DATA VALIDATION
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Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0452

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U342

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/28/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 3.2 | J | J CO5 |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 1.0 | U | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | U |

FORM I VOA OLM03.0

DATA VALIDATION COPY

1B

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0452

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908006

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0128

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10.5 | U |
| 108-95-2 | Phenol | 10.5 | U |
| 111-44-4 | bis(2-Chloroethyl) ether | 10.5 | U |
| 95-57-8 | 2-Chlorophenol | 10.5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10.5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10.5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10.5 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.5 | U |
| 95-48-7 | o-Cresol | 10.5 | U |
| 621-64-7 | N-Nitrosodipropylamine | 10.5 | U |
| 106-44-5 | m,p-Cresols | 10.5 | U |
| 67-72-1 | Hexachloroethane | 10.5 | U |
| 98-95-3 | Nitrobenzene | 10.5 | U |
| 78-59-1 | Isophorone | 10.5 | U |
| 88-75-5 | 2-Nitrophenol | 10.5 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10.5 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10.5 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10.5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.5 | U |
| 91-20-3 | Naphthalene | 1.0 | U |
| 98-55-5 | alpha-Terpineol | 10.5 | U |
| 106-47-8 | 4-Chloroaniline | 10.5 | U |
| 87-68-3 | Hexachlorobutadiene | 10.5 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.5 | U |
| 91-57-6 | 2-Methylnaphthalene | 1.0 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10.5 | U |
| 92-52-4 | 1,1'-Biphenyl | 10.5 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.5 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10.5 | U |
| 91-58-7 | 2-Chloronaphthalene | 1.0 | U |
| 88-74-4 | o-Nitroaniline | 10.5 | U |
| 99-09-2 | m-Nitroaniline | 10.5 | U |
| 131-11-3 | Dimethylphthalate | 10.5 | U |

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FORM I SV-1 OLM03.0

DATA VALIDATION

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0452

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908006

Sample Wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0128

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 10.5 | U | u |
| 208-96-8 | Acenaphthylene | 1.0 | U | |
| 83-32-9 | Acenaphthene | 1.0 | U | |
| 51-28-5 | 2,4-Dinitrophenol | 21.0 | U | |
| 132-64-9 | Dibenzofuran | 10.5 | U | |
| 121-14-2 | 2,4-Dinitrotoluene | 10.5 | U | |
| 84-66-2 | Diethylphthalate | 10.5 | U | |
| 100-02-7 | 4-Nitrophenol | 10.5 | U | |
| 86-73-7 | Fluorene | 1.0 | U | |
| 7005-72-3 | 4-Chlorophenylphenylether | 10.5 | U | |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 10.5 | U | |
| 100-01-6 | p-Nitroaniline | 10.5 | U | |
| 122-39-4 | Diphenylamine | 10.5 | U | |
| 101-55-3 | 4-Bromophenylphenylether | 10.5 | U | |
| 118-74-1 | Hexachlorobenzene | 10.5 | U | |
| 1912-24-9 | Atrazine | 10.5 | U | |
| 87-86-5 | Pentachlorophenol | 10.5 | U | |
| 85-01-8 | Phenanthrene | 1.0 | U | |
| 120-12-7 | Anthracene | 1.0 | U | |
| 84-74-2 | Di-n-butylphthalate | 10.5 | U | |
| 206-44-0 | Fluoranthene | 1.0 | U | |
| 129-00-0 | Pyrene | 1.0 | U | |
| 85-68-7 | Butylbenzylphthalate | 10.5 | U | |
| 56-55-3 | Benzo(a)anthracene | 1.0 | U | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.5 | U | |
| 218-01-9 | Chrysene | 1.0 | U | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10.5 | U | |
| 117-84-0 | Di-n-octylphthalate | 10.5 | U | |
| 205-99-2 | Benzo(b)fluoranthene | 1.0 | U | |
| 207-08-9 | Benzo(k)fluoranthene | 1.0 | U | |
| 50-32-8 | Benzo(a)pyrene | 1.0 | U | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.0 | U | |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.0 | U | |

FORM I SV-2 OLM03.0

DATA VALIDATION COPY

1C

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0452

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908006

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0128

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 1.0 | U | u |
| 86-74-8 | Carbazole | 10.5 | U | u |

FORM I SV-3 OLM03.0

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 140903-2 METHOD TYPE: SW846

SAMPLE ID: 140908006 CLIENT ID: AC0452

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JUL-05 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead<br>U | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |

DATA VALIDATION
COPY

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0456 RINSATE

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U341

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/28/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 22.6 | J | J COS |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 2.8 | J | J |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | U |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 1.0 | U | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

1B
SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| AC0456 | RINSATE |
|---|---|

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908005

Sample wt/vol: 1010 (g/mL) ML Lab File ID: S4H0127

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | 9.9 | U | U |
| 108-95-2 | Phenol | 9.9 | U | |
| 111-44-4 | bis(2-Chloroethyl) ether | 9.9 | U | |
| 95-57-8 | 2-Chlorophenol | 9.9 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 9.9 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 9.9 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 9.9 | U | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 9.9 | U | |
| 95-48-7 | o-Cresol | 9.9 | U | |
| 621-64-7 | N-Nitrosodipropylamine | 9.9 | U | |
| 106-44-5 | m,p-Cresols | 9.9 | U | |
| 67-72-1 | Hexachloroethane | 9.9 | U | |
| 98-95-3 | Nitrobenzene | 9.9 | U | |
| 78-59-1 | Isophorone | 9.9 | U | |
| 88-75-5 | 2-Nitrophenol | 9.9 | U | |
| 105-67-9 | 2,4-Dimethylphenol | 9.9 | U | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 9.9 | U | |
| 120-83-2 | 2,4-Dichlorophenol | 9.9 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 9.9 | U | |
| 91-20-3 | Naphthalene | 0.99 | U | |
| 98-55-5 | alpha-Terpineol | 9.9 | U | |
| 106-47-8 | 4-Chloroaniline | 9.9 | U | |
| 87-68-3 | Hexachlorobutadiene | 9.9 | U | |
| 59-50-7 | 4-Chloro-3-methylphenol | 9.9 | U | |
| 91-57-6 | 2-Methylnaphthalene | 0.99 | U | |
| 77-47-4 | Hexachlorocyclopentadiene | 9.9 | U | |
| 92-52-4 | 1,1'-Biphenyl | 9.9 | U | |
| 88-06-2 | 2,4,6-Trichlorophenol | 9.9 | U | |
| 95-95-4 | 2,4,5-Trichlorophenol | 9.9 | U | |
| 91-58-7 | 2-Chloronaphthalene | 0.99 | U | |
| 88-74-4 | o-Nitroaniline | 9.9 | U | |
| 99-09-2 | m-Nitroaniline | 9.9 | U | |
| 131-11-3 | Dimethylphthalate | 9.9 | U | |

FORM I SV-1 OLM03.0

DATA VALIDATION COPY

1C

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0456 RINSATE

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908005

Sample wt/vol: 1010 (g/mL) ML Lab File ID: S4H0127

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 9.9 | U | u |
| 208-96-8 | Acenaphthylene | 0.99 | U | |
| 83-32-9 | Acenaphthene | 0.99 | U | |
| 51-28-5 | 2,4-Dinitrophenol | 19.8 | U | |
| 132-64-9 | Dibenzofuran | 9.9 | U | |
| 121-14-2 | 2,4-Dinitrotoluene | 9.9 | U | |
| 84-66-2 | Diethylphthalate | 9.9 | U | |
| 100-02-7 | 4-Nitrophenol | 9.9 | U | |
| 86-73-7 | Fluorene | 0.99 | U | |
| 7005-72-3 | 4-Chlorophenylphenylether | 9.9 | U | |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 9.9 | U | |
| 100-01-6 | p-Nitroaniline | 9.9 | U | |
| 122-39-4 | Diphenylamine | 9.9 | U | |
| 101-55-3 | 4-Bromophenylphenylether | 9.9 | U | |
| 118-74-1 | Hexachlorobenzene | 9.9 | U | |
| 1912-24-9 | Atrazine | 9.9 | U | |
| 87-86-5 | Pentachlorophenol | 9.9 | U | |
| 85-01-8 | Phenanthrene | 0.99 | U | |
| 120-12-7 | Anthracene | 0.99 | U | |
| 84-74-2 | Di-n-butylphthalate | 9.9 | U | |
| 206-44-0 | Fluoranthene | 0.99 | U | |
| 129-00-0 | Pyrene | 0.99 | U | |
| 85-68-7 | Butylbenzylphthalate | 9.9 | U | |
| 56-55-3 | Benzo(a)anthracene | 0.99 | U | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 9.9 | U | |
| 218-01-9 | Chrysene | 0.99 | U | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 9.9 | U | |
| 117-84-0 | Di-n-octylphthalate | 9.9 | U | |
| 205-99-2 | Benzo(b)fluoranthene | 0.99 | U | |
| 207-08-9 | Benzo(k)fluoranthene | 0.99 | U | |
| 50-32-8 | Benzo(a)pyrene | 0.99 | U | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.99 | U | |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.99 | U | |

FORM I SV-2 OLM03.0

DATA VALIDATION COPY

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0456 RINSATE

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908005

Sample wt/vol: 1010 (g/mL) ML Lab File ID: S4H0127

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 0.99 | U | | u |
| 86-74-8 | Carbazole | 9.9 | U | | u |

FORM I SV-3 OLM03.0

DATA VALIDATION COPY

**METALS**
**–1–**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 140903–2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908005 **CLIENT ID:** AC0456

RINSATE

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18–JUL–05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439–92–1 | Lead | 7.1 | ug/L | B | | P | 4 | OPTIMA1 | 072005–1 |

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DATA VALIDATION COPY

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0652

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U511

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/30/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 4.3 | J | J |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 5.7 | | |
| 79-01-6 | Trichloroethylene | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 0.53 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 5.6 | | |
| 1330-20-7 | Xylenes (total) | 1.1 | | |
| 100-42-5 | Styrene | 1.0 | U | U |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

1B
SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AC0652

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908008

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0130

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10.5 | U | U |
| 108-95-2 | Phenol | 10.5 | U | |
| 111-44-4 | bis(2-Chloroethyl) ether | 10.5 | U | |
| 95-57-8 | 2-Chlorophenol | 10.5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 10.5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 10.5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 10.5 | U | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.5 | U | |
| 95-48-7 | o-Cresol | 10.5 | U | |
| 621-64-7 | N-Nitrosodipropylamine | 10.5 | U | |
| 106-44-5 | m,p-Cresols | 10.5 | U | |
| 67-72-1 | Hexachloroethane | 10.5 | U | |
| 98-95-3 | Nitrobenzene | 10.5 | U | |
| 78-59-1 | Isophorone | 10.5 | U | |
| 88-75-5 | 2-Nitrophenol | 10.5 | U | |
| 105-67-9 | 2,4-Dimethylphenol | 10.5 | U | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10.5 | U | |
| 120-83-2 | 2,4-Dichlorophenol | 10.5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.5 | U | |
| 91-20-3 | Naphthalene | 34.4 | | U |
| 98-55-5 | alpha-Terpineol | 10.5 | U | U |
| 106-47-8 | 4-Chloroaniline | 10.5 | U | |
| 87-68-3 | Hexachlorobutadiene | 10.5 | U | |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.5 | U | |
| 91-57-6 | 2-Methylnaphthalene | 5.7 | | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10.5 | U | U |
| 92-52-4 | 1,1'-Biphenyl | 10.5 | U | |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.5 | U | |
| 95-95-4 | 2,4,5-Trichlorophenol | 10.5 | U | |
| 91-58-7 | 2-Chloronaphthalene | 1.0 | U | |
| 88-74-4 | o-Nitroaniline | 10.5 | U | |
| 99-09-2 | m-Nitroaniline | 10.5 | U | |
| 131-11-3 | Dimethylphthalate | 10.5 | U | |



DATA VALIDATION

1C

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0652

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908008

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0130

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 10.5 | U |
| 208-96-8 | Acenaphthylene | 1.0 | U |
| 83-32-9 | Acenaphthene | 1.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 21.0 | U |
| 132-64-9 | Dibenzofuran | 10.5 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10.5 | U |
| 84-66-2 | Diethylphthalate | 10.5 | U |
| 100-02-7 | 4-Nitrophenol | 10.5 | U |
| 86-73-7 | Fluorene | 1.0 | U |
| 7005-72-3 | 4-Chlorophenylphenylether | 10.5 | U |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 10.5 | U |
| 100-01-6 | p-Nitroaniline | 10.5 | U |
| 122-39-4 | Diphenylamine | 10.5 | U |
| 101-55-3 | 4-Bromophenylphenylether | 10.5 | U |
| 118-74-1 | Hexachlorobenzene | 10.5 | U |
| 1912-24-9 | Atrazine | 10.5 | U |
| 87-86-5 | Pentachlorophenol | 10.5 | U |
| 85-01-8 | Phenanthrene | 1.0 | U |
| 120-12-7 | Anthracene | 1.0 | U |
| 84-74-2 | Di-n-butylphthalate | 10.5 | U |
| 206-44-0 | Fluoranthene | 1.0 | U |
| 129-00-0 | Pyrene | 1.0 | U |
| 85-68-7 | Butylbenzylphthalate | 10.5 | U |
| 56-55-3 | Benzo(a)anthracene | 1.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.5 | U |
| 218-01-9 | Chrysene | 1.0 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10.5 | U |
| 117-84-0 | Di-n-octylphthalate | 10.5 | U |
| 205-99-2 | Benzo(b)fluoranthene | 1.0 | U |
| 207-08-9 | Benzo(k)fluoranthene | 1.0 | U |
| 50-32-8 | Benzo(a)pyrene | 1.0 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.0 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.0 | U |

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FORM I SV-2 OLM03.0

DATA VALIDATION COPY

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0652

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908008

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0130

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 1.0 | U | | U |
| 86-74-8 | Carbazole | 10.5 | U | | U |

FORM I SV-3 OLM03.0

DATA VALIDATION

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 140903-2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908008 **CLIENT ID:** AC0652

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead<br>u | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |

DATA VALIDATION
COPY

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0852

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U340

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/28/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 3.4 | J | J COS |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 1.0 | U | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 0.35 | J | J |
| 100-42-5 | Styrene | 1.0 | U | U |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |



DATA VALIDATION COPY

1B
SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AC0852

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908004

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0126

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10.5 | U |
| 108-95-2 | Phenol | 10.5 | U |
| 111-44-4 | bis(2-Chloroethyl) ether | 10.5 | U |
| 95-57-8 | 2-Chlorophenol | 10.5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10.5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10.5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10.5 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.5 | U |
| 95-48-7 | o-Cresol | 10.5 | U |
| 621-64-7 | N-Nitrosodipropylamine | 10.5 | U |
| 106-44-5 | m,p-Cresols | 10.5 | U |
| 67-72-1 | Hexachloroethane | 10.5 | U |
| 98-95-3 | Nitrobenzene | 10.5 | U |
| 78-59-1 | Isophorone | 10.5 | U |
| 88-75-5 | 2-Nitrophenol | 10.5 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10.5 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10.5 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10.5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.5 | U |
| 91-20-3 | Naphthalene | 1.0 | U |
| 98-55-5 | alpha-Terpineol | 10.5 | U |
| 106-47-8 | 4-Chloroaniline | 10.5 | U |
| 87-68-3 | Hexachlorobutadiene | 10.5 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.5 | U |
| 91-57-6 | 2-Methylnaphthalene | 1.0 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10.5 | U |
| 92-52-4 | 1,1'-Biphenyl | 10.5 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.5 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10.5 | U |
| 91-58-7 | 2-Chloronaphthalene | 1.0 | U |
| 88-74-4 | o-Nitroaniline | 10.5 | U |
| 99-09-2 | m-Nitroaniline | 10.5 | U |
| 131-11-3 | Dimethylphthalate | 10.5 | U |

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FORM I SV-1 OLM03.0

DATA VALIDATION

1C

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0852

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908004

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0126

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 10.5 | U |
| 208-96-8 | Acenaphthylene | 1.0 | U |
| 83-32-9 | Acenaphthene | 1.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 21.0 | U |
| 132-64-9 | Dibenzofuran | 10.5 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10.5 | U |
| 84-66-2 | Diethylphthalate | 10.5 | U |
| 100-02-7 | 4-Nitrophenol | 10.5 | U |
| 86-73-7 | Fluorene | 1.0 | U |
| 7005-72-3 | 4-Chlorophenylphenylether | 10.5 | U |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 10.5 | U |
| 100-01-6 | p-Nitroaniline | 10.5 | U |
| 122-39-4 | Diphenylamine | 10.5 | U |
| 101-55-3 | 4-Bromophenylphenylether | 10.5 | U |
| 118-74-1 | Hexachlorobenzene | 10.5 | U |
| 1912-24-9 | Atrazine | 10.5 | U |
| 87-86-5 | Pentachlorophenol | 10.5 | U |
| 85-01-8 | Phenanthrene | 1.0 | U |
| 120-12-7 | Anthracene | 1.0 | U |
| 84-74-2 | Di-n-butylphthalate | 10.5 | U |
| 206-44-0 | Fluoranthene | 1.0 | U |
| 129-00-0 | Pyrene | 1.0 | U |
| 85-68-7 | Butylbenzylphthalate | 10.5 | U |
| 56-55-3 | Benzo(a)anthracene | 1.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.5 | U |
| 218-01-9 | Chrysene | 1.0 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10.5 | U |
| 117-84-0 | Di-n-octylphthalate | 10.5 | U |
| 205-99-2 | Benzo(b)fluoranthene | 1.0 | U |
| 207-08-9 | Benzo(k)fluoranthene | 1.0 | U |
| 50-32-8 | Benzo(a)pyrene | 1.0 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.0 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.0 | U |

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FORM I SV-2 OLM03.0

DATA VALIDATION COPY

1C

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0852

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908004

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0126

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 1.0 | U | U |
| 86-74-8 | Carbazole | 10.5 | U | U |

FORM I SV-3 OLM03.0

DATA VALIDATION

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 140903-2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908004 **CLIENT ID:** AC0852

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead<br>U | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |

DATA VALIDATION
COPY

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0952

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U510

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | u |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 3.1 | J | J |
| 75-15-0 | Carbon disulfide | 5.0 | U | u |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 1.0 | U | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

1B

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0952

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908003

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0125

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10.5 | U |
| 108-95-2 | Phenol | 10.5 | U |
| 111-44-4 | bis(2-Chloroethyl) ether | 10.5 | U |
| 95-57-8 | 2-Chlorophenol | 10.5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10.5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10.5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10.5 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.5 | U |
| 95-48-7 | o-Cresol | 10.5 | U |
| 621-64-7 | N-Nitrosodipropylamine | 10.5 | U |
| 106-44-5 | m,p-Cresols | 10.5 | U |
| 67-72-1 | Hexachloroethane | 10.5 | U |
| 98-95-3 | Nitrobenzene | 10.5 | U |
| 78-59-1 | Isophorone | 10.5 | U |
| 88-75-5 | 2-Nitrophenol | 10.5 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10.5 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10.5 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10.5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.5 | U |
| 91-20-3 | Naphthalene | 1.0 | U |
| 98-55-5 | alpha-Terpineol | 10.5 | U |
| 106-47-8 | 4-Chloroaniline | 10.5 | U |
| 87-68-3 | Hexachlorobutadiene | 10.5 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.5 | U |
| 91-57-6 | 2-Methylnaphthalene | 1.0 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10.5 | U |
| 92-52-4 | 1,1'-Biphenyl | 10.5 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.5 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10.5 | U |
| 91-58-7 | 2-Chloronaphthalene | 1.0 | U |
| 88-74-4 | o-Nitroaniline | 10.5 | U |
| 99-09-2 | m-Nitroaniline | 10.5 | U |
| 131-11-3 | Dimethylphthalate | 10.5 | U |

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FORM I SV-1 OLM03.0

DATA VALIDATION COPY

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0952

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908003

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0125

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 10.5 | U |
| 208-96-8 | Acenaphthylene | 1.0 | U |
| 83-32-9 | Acenaphthene | 1.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 21.0 | U |
| 132-64-9 | Dibenzofuran | 10.5 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10.5 | U |
| 84-66-2 | Diethylphthalate | 10.5 | U |
| 100-02-7 | 4-Nitrophenol | 10.5 | U |
| 86-73-7 | Fluorene | 1.0 | U |
| 7005-72-3 | 4-Chlorophenylphenylether | 10.5 | U |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 10.5 | U |
| 100-01-6 | p-Nitroaniline | 10.5 | U |
| 122-39-4 | Diphenylamine | 10.5 | U |
| 101-55-3 | 4-Bromophenylphenylether | 10.5 | U |
| 118-74-1 | Hexachlorobenzene | 10.5 | U |
| 1912-24-9 | Atrazine | 10.5 | U |
| 87-86-5 | Pentachlorophenol | 10.5 | U |
| 85-01-8 | Phenanthrene | 1.0 | U |
| 120-12-7 | Anthracene | 1.0 | U |
| 84-74-2 | Di-n-butylphthalate | 10.5 | U |
| 206-44-0 | Fluoranthene | 1.0 | U |
| 129-00-0 | Pyrene | 1.0 | U |
| 85-68-7 | Butylbenzylphthalate | 10.5 | U |
| 56-55-3 | Benzo(a)anthracene | 1.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.5 | U |
| 218-01-9 | Chrysene | 1.0 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10.5 | U |
| 117-84-0 | Di-n-octylphthalate | 10.5 | U |
| 205-99-2 | Benzo(b)fluoranthene | 1.0 | U |
| 207-08-9 | Benzo(k)fluoranthene | 1.0 | U |
| 50-32-8 | Benzo(a)pyrene | 1.0 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.0 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.0 | U |

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FORM I SV-2 OLM03.0

DATA VALIDATION COPY

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0952

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908003

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0125

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 1.0 | U | | u |
| 86-74-8 | Carbazole | 10.5 | U | | u |

FORM I SV-3 OLM03.0

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 140903-2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908003 **CLIENT ID:** AC0952

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |

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DATA VALIDATION COPY

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1052

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U509

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.2 | | = |
| 74-83-9 | Bromomethane | 1.0 | U | U |
| 75-00-3 | Chloroethane | 1.0 | U | ↓ |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | ↓ |
| 67-64-1 | Acetone | 4.1 | J | J |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | ↓ |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | ↓ |
| 78-93-3 | 2-Butanone | 5.0 | U | ↓ |
| 540-59-0 | 1,2-Dichloroethylene (total) | 0.79 | J | J |
| 67-66-3 | Chloroform | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | ↓ |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | ↓ |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | ↓ |
| 71-43-2 | Benzene | 51.7 | | = |
| 79-01-6 | Trichloroethylene | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | ↓ |
| 75-27-4 | Bromodichloromethane | 1.0 | U | ↓ |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | ↓ |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | ↓ |
| 108-88-3 | Toluene | 1.0 | U | ↓ |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | ↓ |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | ↓ |
| 591-78-6 | 2-Hexanone | 5.0 | U | ↓ |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | ↓ |
| 124-48-1 | Dibromochloromethane | 1.0 | U | ↓ |
| 108-90-7 | Chlorobenzene | 1.0 | U | ↓ |
| 100-41-4 | Ethylbenzene | 1.0 | | = |
| 1330-20-7 | Xylenes (total) | 2.9 | | = |
| 100-42-5 | Styrene | 1.0 | U | U |
| 75-25-2 | Bromoform | 1.0 | U | ↓ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | ↓ |

FORM I VOA OLM03.0

DATA VALIDATION COPY

1B

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1052

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908001

Sample wt/vol: 1010 (g/mL) ML Lab File ID: S4H0121

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/01/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | 9.9 | U | u |
| 108-95-2 | Phenol | 9.9 | U | |
| 111-44-4 | bis(2-Chloroethyl) ether | 9.9 | U | |
| 95-57-8 | 2-Chlorophenol | 9.9 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 9.9 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 9.9 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 9.9 | U | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 9.9 | U | |
| 95-48-7 | o-Cresol | 9.9 | U | |
| 621-64-7 | N-Nitrosodipropylamine | 9.9 | U | |
| 106-44-5 | m,p-Cresols | 9.9 | U | |
| 67-72-1 | Hexachloroethane | 9.9 | U | |
| 98-95-3 | Nitrobenzene | 9.9 | U | |
| 78-59-1 | Isophorone | 9.9 | U | |
| 88-75-5 | 2-Nitrophenol | 9.9 | U | |
| 105-67-9 | 2,4-Dimethylphenol | 9.9 | U | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 9.9 | U | |
| 120-83-2 | 2,4-Dichlorophenol | 9.9 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 9.9 | U | |
| 91-20-3 | Naphthalene | 0.99 | U | |
| 98-55-5 | alpha-Terpineol | 9.9 | U | |
| 106-47-8 | 4-Chloroaniline | 9.9 | U | |
| 87-68-3 | Hexachlorobutadiene | 9.9 | U | |
| 59-50-7 | 4-Chloro-3-methylphenol | 9.9 | U | |
| 91-57-6 | 2-Methylnaphthalene | 0.99 | U | |
| 77-47-4 | Hexachlorocyclopentadiene | 9.9 | U | |
| 92-52-4 | 1,1'-Biphenyl | 9.9 | U | |
| 88-06-2 | 2,4,6-Trichlorophenol | 9.9 | U | |
| 95-95-4 | 2,4,5-Trichlorophenol | 9.9 | U | |
| 91-58-7 | 2-Chloronaphthalene | 0.99 | U | |
| 88-74-4 | o-Nitroaniline | 9.9 | U | |
| 99-09-2 | m-Nitroaniline | 9.9 | U | |
| 131-11-3 | Dimethylphthalate | 9.9 | U | |

FORM I SV-1 OLM03.0

DATA VALIDATION COPY

1C

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1052

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908001

Sample wt/vol: 1010 (g/mL) ML Lab File ID: S4H0121

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/01/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 9.9 | U | U |
| 208-96-8 | Acenaphthylene | 0.99 | U | |
| 83-32-9 | Acenaphthene | 0.99 | U | |
| 51-28-5 | 2,4-Dinitrophenol | 19.8 | U | |
| 132-64-9 | Dibenzofuran | 9.9 | U | |
| 121-14-2 | 2,4-Dinitrotoluene | 9.9 | U | |
| 84-66-2 | Diethylphthalate | 9.9 | U | |
| 100-02-7 | 4-Nitrophenol | 9.9 | U | |
| 86-73-7 | Fluorene | 0.99 | U | |
| 7005-72-3 | 4-Chlorophenylphenylether | 9.9 | U | |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 9.9 | U | |
| 100-01-6 | p-Nitroaniline | 9.9 | U | |
| 122-39-4 | Diphenylamine | 9.9 | U | |
| 101-55-3 | 4-Bromophenylphenylether | 9.9 | U | |
| 118-74-1 | Hexachlorobenzene | 9.9 | U | |
| 1912-24-9 | Atrazine | 9.9 | U | |
| 87-86-5 | Pentachlorophenol | 9.9 | U | |
| 85-01-8 | Phenanthrene | 0.99 | U | |
| 120-12-7 | Anthracene | 0.99 | U | |
| 84-74-2 | Di-n-butylphthalate | 9.9 | U | |
| 206-44-0 | Fluoranthene | 0.99 | U | |
| 129-00-0 | Pyrene | 0.99 | U | |
| 85-68-7 | Butylbenzylphthalate | 9.9 | U | |
| 56-55-3 | Benzo(a)anthracene | 0.99 | U | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 9.9 | U | |
| 218-01-9 | Chrysene | 0.99 | U | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 9.9 | U | |
| 117-84-0 | Di-n-octylphthalate | 9.9 | U | |
| 205-99-2 | Benzo(b)fluoranthene | 0.99 | U | |
| 207-08-9 | Benzo(k)fluoranthene | 0.99 | U | |
| 50-32-8 | Benzo(a)pyrene | 0.99 | U | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.99 | U | |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.99 | U | |

FORM I SV-2 OLM03.0

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1052

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908001

Sample wt/vol: 1010 (g/mL) ML Lab File ID: S4H0121

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/01/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 0.99 | U | | u |
| 86-74-8 | Carbazole | 9.9 | U | | u |

FORM I SV-3 OLM03.0

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METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 140903-2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908001 **CLIENT ID:** AC1052

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead<br>u | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |

DATA VALIDATION
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Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1152

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U345

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/28/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USR

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 3.2 | J | J cos |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 17.9 | | = |
| 79-01-6 | Trichloroethylene | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 0.27 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 15.9 | | = |
| 1330-20-7 | Xylenes (total) | 216 | | = |
| 100-42-5 | Styrene | 1.0 | U | U |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AC1152

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908009

Sample wt/vol: 975.0 (g/mL) ML Lab File ID: S4H0131

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10.2 | U | U |
| 108-95-2 | Phenol | 10.2 | U | |
| 111-44-4 | bis(2-Chloroethyl) ether | 10.2 | U | |
| 95-57-8 | 2-Chlorophenol | 10.2 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 10.2 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 10.2 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 10.2 | U | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.2 | U | |
| 95-48-7 | o-Cresol | 10.2 | U | |
| 621-64-7 | N-Nitrosodipropylamine | 10.2 | U | |
| 106-44-5 | m,p-Cresols | 10.2 | U | |
| 67-72-1 | Hexachloroethane | 10.2 | U | |
| 98-95-3 | Nitrobenzene | 10.2 | U | |
| 78-59-1 | Isophorone | 10.2 | U | |
| 88-75-5 | 2-Nitrophenol | 10.2 | U | |
| 105-67-9 | 2,4-Dimethylphenol | 10.2 | U | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10.2 | U | |
| 120-83-2 | 2,4-Dichlorophenol | 10.2 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.2 | U | |
| 91-20-3 | Naphthalene | 38.6 | | U |
| 98-55-5 | alpha-Terpineol | 10.2 | U | U |
| 106-47-8 | 4-Chloroaniline | 11.1 | | U |
| 87-68-3 | Hexachlorobutadiene | 10.2 | U | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.2 | U | U |
| 91-57-6 | 2-Methylnaphthalene | 10.3 | | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10.2 | U | U |
| 92-52-4 | 1,1'-Biphenyl | 10.2 | U | |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.2 | U | |
| 95-95-4 | 2,4,5-Trichlorophenol | 10.2 | U | |
| 91-58-7 | 2-Chloronaphthalene | 1.0 | U | |
| 88-74-4 | o-Nitroaniline | 10.2 | U | |
| 99-09-2 | m-Nitroaniline | 10.2 | U | |
| 131-11-3 | Dimethylphthalate | 10.2 | U | |



DATA VALIDATION COPY

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1152

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908009

Sample wt/vol: 975.0 (g/mL) ML Lab File ID: S4H0131

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 10.2 | U | u |
| 208-96-8 | Acenaphthylene | 1.0 | U | |
| 83-32-9 | Acenaphthene | 1.0 | U | |
| 51-28-5 | 2,4-Dinitrophenol | 20.5 | U | |
| 132-64-9 | Dibenzofuran | 10.2 | U | |
| 121-14-2 | 2,4-Dinitrotoluene | 10.2 | U | |
| 84-66-2 | Diethylphthalate | 10.2 | U | |
| 100-02-7 | 4-Nitrophenol | 10.2 | U | |
| 86-73-7 | Fluorene | 1.0 | U | |
| 7005-72-3 | 4-Chlorophenylphenylether | 10.2 | U | |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 10.2 | U | |
| 100-01-6 | p-Nitroaniline | 10.2 | U | |
| 122-39-4 | Diphenylamine | 10.2 | U | |
| 101-55-3 | 4-Bromophenylphenylether | 10.2 | U | |
| 118-74-1 | Hexachlorobenzene | 10.2 | U | |
| 1912-24-9 | Atrazine | 10.2 | U | |
| 87-86-5 | Pentachlorophenol | 10.2 | U | |
| 85-01-8 | Phenanthrene | 1.0 | U | |
| 120-12-7 | Anthracene | 1.0 | U | |
| 84-74-2 | Di-n-butylphthalate | 10.2 | U | |
| 206-44-0 | Fluoranthene | 1.0 | U | |
| 129-00-0 | Pyrene | 1.0 | U | |
| 85-68-7 | Butylbenzylphthalate | 10.2 | U | |
| 56-55-3 | Benzo(a)anthracene | 1.0 | U | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.2 | U | |
| 218-01-9 | Chrysene | 1.0 | U | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10.2 | U | |
| 117-84-0 | Di-n-octylphthalate | 10.2 | U | |
| 205-99-2 | Benzo(b)fluoranthene | 1.0 | U | |
| 207-08-9 | Benzo(k)fluoranthene | 1.0 | U | |
| 50-32-8 | Benzo(a)pyrene | 1.0 | U | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.0 | U | |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.0 | U | |

FORM I SV-2 OLM03.0

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1152

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908009

Sample wt/vol: 975.0 (g/mL) ML Lab File ID: S4H0131

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 1.0 | U | u |
| 86-74-8 | Carbazole | 10.2 | U | u |

FORM I SV-3 OLM03.0

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 140903-2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908009 **CLIENT ID:** AC1152

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |

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Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1352

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U338

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/28/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USQ

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | | 1.0 | U | U |
| 74-83-9 | Bromomethane | | 1.0 | U | U |
| 75-00-3 | Chloroethane | | 1.0 | U | U |
| 75-35-4 | 1,1-Dichloroethylene | | 1.0 | U | U |
| 67-64-1 | Acetone | | 102 | | J COS |
| 75-15-0 | Carbon disulfide | | 5.0 | U | U |
| 75-09-2 | Methylene chloride | | 5.0 | U | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | U |
| 78-93-3 | 2-Butanone | | 13.0 | | J COS |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 1.0 | U | U |
| 67-66-3 | Chloroform | | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | U |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U | U |
| 71-43-2 | Benzene | 219 | ~~214~~ E | D | = |
| 79-01-6 | Trichloroethylene | | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | | 2.0 | | = |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 2.2 | J | J COS |
| 108-88-3 | Toluene | | 0.44 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | U |
| 591-78-6 | 2-Hexanone | | 5.0 | U | U |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | U |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | U |
| 108-90-7 | Chlorobenzene | | 1.0 | U | U |
| 100-41-4 | Ethylbenzene | 120 | ~~136~~ E | D | = |
| 1330-20-7 | Xylenes (total) | 339 | ~~443~~ E | D | = |
| 100-42-5 | Styrene | | 1.0 | U | U |
| 75-25-2 | Bromoform | | 1.0 | U | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | U |

FORM I VOA OLM03.0

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1352

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908002

Sample wt/vol: 1010 (g/mL) ML Lab File ID: S4H0124

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | 9.9 | U | U |
| 108-95-2 | Phenol | 9.9 | U | |
| 111-44-4 | bis(2-Chloroethyl) ether | 9.9 | U | |
| 95-57-8 | 2-Chlorophenol | 9.9 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 9.9 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 9.9 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 9.9 | U | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 9.9 | U | |
| 95-48-7 | o-Cresol | 9.9 | U | |
| 621-64-7 | N-Nitrosodipropylamine | 9.9 | U | |
| 106-44-5 | m,p-Cresols | 9.9 | U | |
| 67-72-1 | Hexachloroethane | 9.9 | U | |
| 98-95-3 | Nitrobenzene | 9.9 | U | |
| 78-59-1 | Isophorone | 9.9 | U | |
| 88-75-5 | 2-Nitrophenol | 9.9 | U | |
| 105-67-9 | 2,4-Dimethylphenol | 9.9 | U | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 9.9 | U | |
| 120-83-2 | 2,4-Dichlorophenol | 9.9 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 9.9 | U | U |
| 91-20-3 | Naphthalene | 105 | E | ND3 |
| 98-55-5 | alpha-Terpineol | 9.9 | U | U |
| 106-47-8 | 4-Chloroaniline | 9.9 | U | |
| 87-68-3 | Hexachlorobutadiene | 9.9 | U | |
| 59-50-7 | 4-Chloro-3-methylphenol | 9.9 | U | |
| 91-57-6 | 2-Methylnaphthalene | 48.4 | | |
| 77-47-4 | Hexachlorocyclopentadiene | 9.9 | U | U |
| 92-52-4 | 1,1'-Biphenyl | 9.9 | U | |
| 88-06-2 | 2,4,6-Trichlorophenol | 9.9 | U | |
| 95-95-4 | 2,4,5-Trichlorophenol | 9.9 | U | |
| 91-58-7 | 2-Chloronaphthalene | 0.99 | U | |
| 88-74-4 | o-Nitroaniline | 9.9 | U | |
| 99-09-2 | m-Nitroaniline | 9.9 | U | |
| 131-11-3 | Dimethylphthalate | 9.9 | U | |

FORM I SV-1 OLM03.0

DATA VALIDATION COPY

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1352

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908002

Sample wt/vol: 1010 (g/mL) ML Lab File ID: S4H0124

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 9.9 | U |
| 208-96-8 | Acenaphthylene | 0.99 | U |
| 83-32-9 | Acenaphthene | 0.99 | U |
| 51-28-5 | 2,4-Dinitrophenol | 19.8 | U |
| 132-64-9 | Dibenzofuran | 9.9 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 9.9 | U |
| 84-66-2 | Diethylphthalate | 9.9 | U |
| 100-02-7 | 4-Nitrophenol | 9.9 | U |
| 86-73-7 | Fluorene | 0.44 | J |
| 7005-72-3 | 4-Chlorophenylphenylether | 9.9 | U |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 9.9 | U |
| 100-01-6 | p-Nitroaniline | 9.9 | U |
| 122-39-4 | Diphenylamine | 9.9 | U |
| 101-55-3 | 4-Bromophenylphenylether | 9.9 | U |
| 118-74-1 | Hexachlorobenzene | 9.9 | U |
| 1912-24-9 | Atrazine | 9.9 | U |
| 87-86-5 | Pentachlorophenol | 9.9 | U |
| 85-01-8 | Phenanthrene | 0.99 | U |
| 120-12-7 | Anthracene | 0.99 | U |
| 84-74-2 | Di-n-butylphthalate | 9.9 | U |
| 206-44-0 | Fluoranthene | 0.99 | U |
| 129-00-0 | Pyrene | 0.99 | U |
| 85-68-7 | Butylbenzylphthalate | 9.9 | U |
| 56-55-3 | Benzo(a)anthracene | 0.99 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 9.9 | U |
| 218-01-9 | Chrysene | 0.99 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 9.9 | U |
| 117-84-0 | Di-n-octylphthalate | 9.9 | U |
| 205-99-2 | Benzo(b)fluoranthene | 0.99 | U |
| 207-08-9 | Benzo(k)fluoranthene | 0.99 | U |
| 50-32-8 | Benzo(a)pyrene | 0.99 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.99 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.99 | U |

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FORM I SV-2 OLM03.0

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1352

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908002

Sample wt/vol: 1010 (g/mL) ML Lab File ID: S4H0124

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 0.99 | U | | U |
| 86-74-8 | Carbazole | 9.9 | U | | U |

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**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 140903-2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908002 **CLIENT ID:** AC1352

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead<br>U | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |

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Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2352

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U343

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/28/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

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| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | | 1.0 | U | U |
| 74-83-9 | Bromomethane | | 1.0 | U | U |
| 75-00-3 | Chloroethane | | 1.0 | U | U |
| 75-35-4 | 1,1-Dichloroethylene | | 1.0 | U | U |
| 67-64-1 | Acetone | | 4.4 | J | J COS |
| 75-15-0 | Carbon disulfide | | 5.0 | U | U |
| 75-09-2 | Methylene chloride | | 5.0 | U | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | U |
| 78-93-3 | 2-Butanone | | 5.0 | U | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 1.0 | U | U |
| 67-66-3 | Chloroform | | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | U |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U | U |
| 71-43-2 | Benzene | 139 | 1.0 | U D | U |
| 79-01-6 | Trichloroethylene | | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | U |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | U |
| 108-88-3 | Toluene | | 1.0 | U | U |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | U |
| 591-78-6 | 2-Hexanone | | 5.0 | U | U |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | U |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | U |
| 108-90-7 | Chlorobenzene | | 1.0 | U | U |
| 100-41-4 | Ethylbenzene | | 9.4 | | U |
| 1330-20-7 | Xylenes (total) | | 3.7 | | U |
| 100-42-5 | Styrene | | 1.0 | U | U |
| 75-25-2 | Bromoform | | 1.0 | U | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | U |

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2352

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908007

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0129

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10.5 | U | U |
| 108-95-2 | Phenol | 10.5 | U | |
| 111-44-4 | bis(2-Chloroethyl) ether | 10.5 | U | |
| 95-57-8 | 2-Chlorophenol | 10.5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 10.5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 10.5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 10.5 | U | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.5 | U | |
| 95-48-7 | o-Cresol | 10.5 | U | |
| 621-64-7 | N-Nitrosodipropylamine | 10.5 | U | |
| 106-44-5 | m,p-Cresols | 10.5 | U | |
| 67-72-1 | Hexachloroethane | 10.5 | U | |
| 98-95-3 | Nitrobenzene | 10.5 | U | |
| 78-59-1 | Isophorone | 10.5 | U | |
| 88-75-5 | 2-Nitrophenol | 10.5 | U | |
| 105-67-9 | 2,4-Dimethylphenol | 10.5 | U | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10.5 | U | |
| 120-83-2 | 2,4-Dichlorophenol | 10.5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.5 | U | |
| 91-20-3 | Naphthalene | 73.8 | | = |
| 98-55-5 | alpha-Terpineol | 10.5 | U | U |
| 106-47-8 | 4-Chloroaniline | 10.5 | U | |
| 87-68-3 | Hexachlorobutadiene | 10.5 | U | |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.5 | U | |
| 91-57-6 | 2-Methylnaphthalene | 17.7 | | = |
| 77-47-4 | Hexachlorocyclopentadiene | 10.5 | U | U |
| 92-52-4 | 1,1'-Biphenyl | 10.5 | U | |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.5 | U | |
| 95-95-4 | 2,4,5-Trichlorophenol | 10.5 | U | |
| 91-58-7 | 2-Chloronaphthalene | 1.0 | U | |
| 88-74-4 | o-Nitroaniline | 10.5 | U | |
| 99-09-2 | m-Nitroaniline | 10.5 | U | |
| 131-11-3 | Dimethylphthalate | 10.5 | U | |



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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2352

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908007

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0129

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 10.5 | U |
| 208-96-8 | Acenaphthylene | 1.0 | U |
| 83-32-9 | Acenaphthene | 1.0 | U |
| 51-28-5 | 2,4-Dinitrophenol | 21.0 | U |
| 132-64-9 | Dibenzofuran | 10.5 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10.5 | U |
| 84-66-2 | Diethylphthalate | 10.5 | U |
| 100-02-7 | 4-Nitrophenol | 10.5 | U |
| 86-73-7 | Fluorene | 1.0 | U |
| 7005-72-3 | 4-Chlorophenylphenylether | 10.5 | U |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 10.5 | U |
| 100-01-6 | p-Nitroaniline | 10.5 | U |
| 122-39-4 | Diphenylamine | 10.5 | U |
| 101-55-3 | 4-Bromophenylphenylether | 10.5 | U |
| 118-74-1 | Hexachlorobenzene | 10.5 | U |
| 1912-24-9 | Atrazine | 10.5 | U |
| 87-86-5 | Pentachlorophenol | 10.5 | U |
| 85-01-8 | Phenanthrene | 1.0 | U |
| 120-12-7 | Anthracene | 1.0 | U |
| 84-74-2 | Di-n-butylphthalate | 10.5 | U |
| 206-44-0 | Fluoranthene | 1.0 | U |
| 129-00-0 | Pyrene | 1.0 | U |
| 85-68-7 | Butylbenzylphthalate | 10.5 | U |
| 56-55-3 | Benzo(a)anthracene | 1.0 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.5 | U |
| 218-01-9 | Chrysene | 1.0 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10.5 | U |
| 117-84-0 | Di-n-octylphthalate | 10.5 | U |
| 205-99-2 | Benzo(b)fluoranthene | 1.0 | U |
| 207-08-9 | Benzo(k)fluoranthene | 1.0 | U |
| 50-32-8 | Benzo(a)pyrene | 1.0 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.0 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.0 | U |

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2352

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908007

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0129

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 1.0 | U | U |
| 86-74-8 | Carbazole | 10.5 | U | U |



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**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 140903-2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908007 **CLIENT ID:** AC2352

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |

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Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2452

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U347

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/28/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 3.8 | J | J c05 |
| 75-15-0 | Carbon disulfide | 5.0 | U | |
| 75-09-2 | Methylene chloride | 5.0 | U | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 81.5 | | |
| 79-01-6 | Trichloroethylene | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 1.0 | U | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 18.4 | | |
| 1330-20-7 | Xylenes (total) | 16.8 | | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2452

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908011

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0133

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 100-52-7 | Benzaldehyde | 10.5 | U |
| 108-95-2 | Phenol | 10.5 | U |
| 111-44-4 | bis(2-Chloroethyl) ether | 10.5 | U |
| 95-57-8 | 2-Chlorophenol | 10.5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10.5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10.5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10.5 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10.5 | U |
| 95-48-7 | o-Cresol | 10.5 | U |
| 621-64-7 | N-Nitrosodipropylamine | 10.5 | U |
| 106-44-5 | m,p-Cresols | 10.5 | U |
| 67-72-1 | Hexachloroethane | 10.5 | U |
| 98-95-3 | Nitrobenzene | 10.5 | U |
| 78-59-1 | Isophorone | 10.5 | U |
| 88-75-5 | 2-Nitrophenol | 10.5 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10.5 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10.5 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10.5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.5 | U |
| 91-20-3 | Naphthalene | 15.6 | |
| 98-55-5 | alpha-Terpineol | 10.5 | U |
| 106-47-8 | 4-Chloroaniline | 10.5 | U |
| 87-68-3 | Hexachlorobutadiene | 10.5 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10.5 | U |
| 91-57-6 | 2-Methylnaphthalene | 3.2 | |
| 77-47-4 | Hexachlorocyclopentadiene | 10.5 | U |
| 92-52-4 | 1,1'-Biphenyl | 10.5 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10.5 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10.5 | U |
| 91-58-7 | 2-Chloronaphthalene | 1.0 | U |
| 88-74-4 | o-Nitroaniline | 10.5 | U |
| 99-09-2 | m-Nitroaniline | 10.5 | U |
| 131-11-3 | Dimethylphthalate | 10.5 | U |

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SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2452

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908011

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0133

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 10.5 | U | u |
| 208-96-8 | Acenaphthylene | 1.0 | U | |
| 83-32-9 | Acenaphthene | 1.0 | U | |
| 51-28-5 | 2,4-Dinitrophenol | 21.0 | U | |
| 132-64-9 | Dibenzofuran | 10.5 | U | |
| 121-14-2 | 2,4-Dinitrotoluene | 10.5 | U | |
| 84-66-2 | Diethylphthalate | 10.5 | U | |
| 100-02-7 | 4-Nitrophenol | 10.5 | U | |
| 86-73-7 | Fluorene | 1.0 | U | |
| 7005-72-3 | 4-Chlorophenylphenylether | 10.5 | U | |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 10.5 | U | |
| 100-01-6 | p-Nitroaniline | 10.5 | U | |
| 122-39-4 | Diphenylamine | 10.5 | U | |
| 101-55-3 | 4-Bromophenylphenylether | 10.5 | U | |
| 118-74-1 | Hexachlorobenzene | 10.5 | U | |
| 1912-24-9 | Atrazine | 10.5 | U | |
| 87-86-5 | Pentachlorophenol | 10.5 | U | |
| 85-01-8 | Phenanthrene | 1.0 | U | |
| 120-12-7 | Anthracene | 1.0 | U | |
| 84-74-2 | Di-n-butylphthalate | 10.5 | U | |
| 206-44-0 | Fluoranthene | 1.0 | U | |
| 129-00-0 | Pyrene | 1.0 | U | |
| 85-68-7 | Butylbenzylphthalate | 10.5 | U | |
| 56-55-3 | Benzo(a)anthracene | 1.0 | U | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 10.5 | U | |
| 218-01-9 | Chrysene | 1.0 | U | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10.5 | U | |
| 117-84-0 | Di-n-octylphthalate | 10.5 | U | |
| 205-99-2 | Benzo(b)fluoranthene | 1.0 | U | |
| 207-08-9 | Benzo(k)fluoranthene | 1.0 | U | |
| 50-32-8 | Benzo(a)pyrene | 1.0 | U | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.0 | U | |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.0 | U | |

FORM I SV-2 OLM03.0

DATA VALIDATION COPY

1C
SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AC2452

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908011

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: S4H0133

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 1.00(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 1.0 | U | U |
| 86-74-8 | Carbazole | 10.5 | U | U |

FORM I SV-3 OLM03.0

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 140903-2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908011 **CLIENT ID:** AC2452

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |

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DATA VALIDATION COPY

Comments:

DUPLICATE

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AC2454

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 9U518

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/30/05

GC Column: RTX-VOLATILES ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 0.58 | J | J |
| 75-01-4 | Vinyl chloride | 1.0 | U | U |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 6.1 | | J |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 89.8 | | J |
| 79-01-6 | Trichloroethylene | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 1.0 | U | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 19.7 | | J |
| 1330-20-7 | Xylenes (total) | 16.9 | | J |
| 100-42-5 | Styrene | 1.0 | U | U |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

DUPLICATE

1B
SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AC2454

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4H0132

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 0.64(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | 6.4 | U | U |
| 108-95-2 | Phenol | 6.4 | U | |
| 111-44-4 | bis(2-Chloroethyl) ether | 6.4 | U | |
| 95-57-8 | 2-Chlorophenol | 6.4 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 6.4 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 6.4 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 6.4 | U | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 6.4 | U | |
| 95-48-7 | o-Cresol | 6.4 | U | |
| 621-64-7 | N-Nitrosodipropylamine | 6.4 | U | |
| 106-44-5 | m,p-Cresols | 6.4 | U | |
| 67-72-1 | Hexachloroethane | 6.4 | U | |
| 98-95-3 | Nitrobenzene | 6.4 | U | |
| 78-59-1 | Isophorone | 6.4 | U | |
| 88-75-5 | 2-Nitrophenol | 6.4 | U | |
| 105-67-9 | 2,4-Dimethylphenol | 6.4 | U | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 6.4 | U | |
| 120-83-2 | 2,4-Dichlorophenol | 6.4 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6.4 | U | |
| 91-20-3 | Naphthalene | 11.6 | | |
| 98-55-5 | alpha-Terpineol | 6.4 | U | U |
| 106-47-8 | 4-Chloroaniline | 6.4 | U | |
| 87-68-3 | Hexachlorobutadiene | 6.4 | U | |
| 59-50-7 | 4-Chloro-3-methylphenol | 6.4 | U | |
| 91-57-6 | 2-Methylnaphthalene | 2.1 | | |
| 77-47-4 | Hexachlorocyclopentadiene | 6.4 | U | U |
| 92-52-4 | 1,1'-Biphenyl | 6.4 | U | |
| 88-06-2 | 2,4,6-Trichlorophenol | 6.4 | U | |
| 95-95-4 | 2,4,5-Trichlorophenol | 6.4 | U | |
| 91-58-7 | 2-Chloronaphthalene | 0.64 | U | |
| 88-74-4 | o-Nitroaniline | 6.4 | U | |
| 99-09-2 | m-Nitroaniline | 6.4 | U | |
| 131-11-3 | Dimethylphthalate | 6.4 | U | |



DATA VALIDATION COPY

1C
SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2454 DUPLICATE

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4H0132

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 0.64(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | 6.4 | U |
| 208-96-8 | Acenaphthylene | 0.64 | U |
| 83-32-9 | Acenaphthene | 0.64 | U |
| 51-28-5 | 2,4-Dinitrophenol | 12.8 | U |
| 132-64-9 | Dibenzofuran | 6.4 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 6.4 | U |
| 84-66-2 | Diethylphthalate | 6.4 | U |
| 100-02-7 | 4-Nitrophenol | 6.4 | U |
| 86-73-7 | Fluorene | 0.64 | U |
| 7005-72-3 | 4-Chlorophenylphenylether | 6.4 | U |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | 6.4 | U |
| 100-01-6 | p-Nitroaniline | 6.4 | U |
| 122-39-4 | Diphenylamine | 6.4 | U |
| 101-55-3 | 4-Bromophenylphenylether | 6.4 | U |
| 118-74-1 | Hexachlorobenzene | 6.4 | U |
| 1912-24-9 | Atrazine | 6.4 | U |
| 87-86-5 | Pentachlorophenol | 6.4 | U |
| 85-01-8 | Phenanthrene | 0.64 | U |
| 120-12-7 | Anthracene | 0.64 | U |
| 84-74-2 | Di-n-butylphthalate | 6.4 | U |
| 206-44-0 | Fluoranthene | 0.64 | U |
| 129-00-0 | Pyrene | 0.64 | U |
| 85-68-7 | Butylbenzylphthalate | 6.4 | U |
| 56-55-3 | Benzo(a)anthracene | 0.64 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 6.4 | U |
| 218-01-9 | Chrysene | 0.64 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 6.4 | U |
| 117-84-0 | Di-n-octylphthalate | 6.4 | U |
| 205-99-2 | Benzo(b)fluoranthene | 0.64 | U |
| 207-08-9 | Benzo(k)fluoranthene | 0.64 | U |
| 50-32-8 | Benzo(a)pyrene | 0.64 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.64 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.64 | U |

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FORM I SV-2 OLM03.0

DATA VALIDATION COPY

1C

SVOA ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2454

DUPLICATE

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-2

Matrix: (soil/water) WATER Lab Sample ID: 140908010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4H0132

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/21/05

Concentrated Extract Volume: 0.64(mL) Date Analyzed: 08/02/05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | 0.64 | U | | U |
| 86-74-8 | Carbazole | 6.4 | U | | U |



DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 140903-2 **METHOD TYPE:** SW846

**SAMPLE ID:** 140908010 **CLIENT ID:** AC2454
DUPLICATE

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JUL-05 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 4 | ug/L | U | | P | 4 | OPTIMA1 | 072005-1 |
| | u | | | | | | | | |

DATA VALIDATION COPY

Comments:

SAIC An Employee-Owned Company
Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830(423)481-4600



# CHAIN OF CUSTODY RECORD

COC NO.: HLTM 56

PROJECT NAME: HAAF Long Term Monitoring. D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Jim Dendy (Printed Name): James Dendy

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | PAH | PCE | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TH0412 | 7/16/05 | 700 | Water | 4 | 4 | | | | | 2 | 140903001 140906001 | Both says just BTEX, runs VOCs |
| AC1052 | 7/16/05 | 1625 | | | 2 | | | 2 | 1 | 5 | . | 140906001 |
| AN1982 | 7/16/05 | 1505 | | 2 | | | | | | 2 | | 140903002 |
| AN0282 | 7/16/05 | 1420 | | 2 | | | | | | 2 | | 140903003 |
| AK0682 | 7/16/05 | 1340 | | 2 | | | | | | 2 | | 140903004 |
| AC1352 | 7/16/05 | 1630 | | | 2 | | | 2 | 1 | 5 | . | 140906002 |
| AN1882 | 7/16/05 | 1525 | | 2 | | | | | | 2 | | 140903005 |
| AN0182 | 7/16/05 | 1440 | | 2 | | | | | | 2 | | 140903006 |
| AK0582 | 7/16/05 | 1345 | | 2 | | | | | | 2 | | 140903007 |
| AN2382 | 7/16/05 | 1100 | | 2 | | | | | | 2 | | 140903008 |
| AN2284 | 7/16/05 | 950 | | 2 | | | | | | 2 | | 140903009 |
| AN2282 | 7/16/05 | 950 | | 2 | . | | | | | 2 | | 140903010 |
| AS1432 | 7/16/05 | 1650 | | | 2 | | | | | 2 | | 140906002 |

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Jim Dendy | 7/18/05 1130 | Ben Watkins | 7/18/05 1130 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: | Date/Time | RELINQUISHED BY: Ben Watkins | Date/Time 7/18/05 1410 |
| COMPANY NAME: | | COMPANY NAME: | |
| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time 7.18.05 1410 |
| COMPANY NAME: | | COMPANY NAME: GEL | |

TOTAL NUMBER OF CONTAINERS: 32

Cooler ID:

Cooler Temperature:

FEDEX NUMBER: Courier

TH0412 gets BTEX and VOCs. Bottle label says only BTEX.

Call me at 865-300-8190 with questions

IV-105

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Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830(423)481-4600

Page 1 of 2

# CHAIN OF CUSTODY RECORD

COC NO.: HLIM36

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): James Dendy (Printed Name): James Dendy

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | PAH | PCE | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AS0132 | 7/17/05 | 1000 | Water | | 2 | | | | | 2 | | 140906003 |
| AC0952 | 7/17/05 | 1150 | | | 2 | | | 2 | 1 | 5 | . | 140908003 |
| AC0852 | 7/17/05 | 1055 | | | 2 | | | 2 | 1 | 5 | . | 140908004 |
| AC0456 | 7/17/05 | 0730 | | | 2 | | | 2 | 1 | 5 | . | 140908005 |
| AC0452 | 7/17/05 | 945 | | | 2 | | | 2 | 1 | 5 | | 140908006 |
| AC2352 | 7/17/05 | 1300 | | | 2 | | | 2 | 1 | 5 | . | 140908007 |

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 27 | Cooler Temperature: |
|---|---|---|---|---|---|
| COMPANY NAME: SAIC | 7/18/05 1130 | COMPANY NAME: GEL | 7/18/05 1130 | Cooler ID: | FEDEX NUMBER: Courier |
| RECEIVED BY: | Date/Time | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: | | COMPANY NAME: | 7/18/05 1410 | | |
| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: | | COMPANY NAME: GEL | 7/18/05 1410 | | |

IV-106

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM57

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): James Dendy (Printed Name): James Dendy

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| | Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | PAH | PCE | SVOC | Lead | MS/MSD (BTEX) | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | TH0413 | 7/17/05 | 0700 | water | 2 | | | | | | | 2 | | |
| 2 | AC0252 | 7/19/05 | 1005 | | | 2 | | | 2 | 1 | | 5 | | 141174 % |
| 3 | AMT004 | 7/19/05 | 1340 | | 2 | | 1 | | | | | 3 | | |
| 4 | AMT002 | 7/19/05 | 1340 | | 2 | | 1 | | | | | 3 | | |
| 5 | AMTA02 | 7/19/05 | 1245 | | 2 | | 1 | | | NA | 1 | 3 | B | ms/msd |
| 6 | AF05D2 | 7/19/05 | 1100 | | 2 | | | | | | | 2 | | |
| 7 | AMTS02 | 7/19/05 | 1525 | | 2 | | 1 | | | | | 3 | | |
| 8 | AMT102 | 7/19/05 | 1508 | | 2 | | 1 | | | | | 3 | | |
| 9 | AMT402 | 7/19/05 | 1448 | | 2 | | 1 | | | | | 3 | | |
| 10 | AMT602 | 7/19/05 | 1425 | | 2 | | 1 | | | | | 3 | | |
| 11 | AMT702 | 7/19/05 | 1400 | | 2 | | 1 | | | | | 3 | | |
| 12 | AMT902 | 7/19/05 | 1320 | | 2 | | 1 | | | | | 3 | | |
| 13 | AMT802 | 7/19/05 | 1305 | | 2 | | 1 | | | | | 3 | | |

| | | | | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: James Dendy | Date/Time 7/20/05 1130 | RECEIVED BY: Mike Taylor | Date/Time 7-20-05 1430 | TOTAL NUMBER OF CONTAINERS: 39 | Cooler Temperature: |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | Cooler ID: | FEDEX NUMBER: Courier |
| RECEIVED BY: Ben Whitten | Date/Time 7/20/05 1130 | RELINQUISHED BY: | Date/Time | The samples from Hunter - Pumphouse 2 only have One 1 Liter samples due to not enough bottles on site. An MS/MSD was collected for location AM-TMP-11. Also, there is a ms/msd included for BTEX for AMTA02, disregard this sample, it was accidentally collected and packed into shipping coolers. | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Whitten | Date/Time 7/20/05 1420 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |

# DAACG CHLORINATED SOLVENTS AREA

# JULY 2005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS0132

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U518

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U |
| 75-01-4 | Vinyl chloride | | 1.4 | |
| 74-83-9 | Bromomethane | | 1.0 | U |
| 75-00-3 | Chloroethane | | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethylene | | 1.0 | U |
| 67-64-1 | Acetone | | 3.1 | J |
| 75-15-0 | Carbon disulfide | | 5.0 | U |
| 75-09-2 | Methylene chloride | | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U |
| 78-93-3 | 2-Butanone | | 5.0 | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 70.6 | |
| 67-66-3 | Chloroform | | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U |
| 71-43-2 | Benzene | | 1.8 | |
| 79-01-6 | Trichloroethylene | | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U |
| 75-27-4 | Bromodichloromethane | | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U |
| 108-88-3 | Toluene | 1.0 | ~~0.75~~ | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U |
| 591-78-6 | 2-Hexanone | | 5.0 | U |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U |
| 124-48-1 | Dibromochloromethane | | 1.0 | U |
| 108-90-7 | Chlorobenzene | | 1.0 | U |
| 100-41-4 | Ethylbenzene | | 1.0 | U |
| 1330-20-7 | Xylenes (total) | | 3.7 | |
| 100-42-5 | Styrene | | 1.0 | U |
| 75-25-2 | Bromoform | | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U |

U = U

J COS

U

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U

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U. F04, F06

U

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FORM I VOA OLM03.1

DATA VALIDATION COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AS0232

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U516

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | |
| 75-01-4 | Vinyl chloride | 2.8 | | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 4.2 | J | C05 |
| 75-15-0 | Carbon disulfide | 5.0 | U | |
| 75-09-2 | Methylene chloride | 2.4 | J | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 188 | | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 2.8 | | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 1.0 | U | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

Use



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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS0332

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U449

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USR

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1000 | ~~702~~ | E D | = U |
| 74-83-9 | Bromomethane | | 1.0 | U | U |
| 75-00-3 | Chloroethane | | 1.0 | U | U |
| 75-35-4 | 1,1-Dichloroethylene | | 4.9 | | = U |
| 67-64-1 | Acetone | | 5.2 | | = U C05 |
| 75-15-0 | Carbon disulfide | | 2.3 | J | J |
| 75-09-2 | Methylene chloride | | 5.0 | U | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | U |
| 78-93-3 | 2-Butanone | | 5.0 | U | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | 8530 | ~~1990~~ | ~~E~~ D | = U |
| 67-66-3 | Chloroform | | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | U |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | | = U |
| 71-43-2 | Benzene | | 9.2 | | = U |
| 79-01-6 | Trichloroethylene | | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | U |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | U |
| 108-88-3 | Toluene | | 53.3 | | = F04, F08 |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | U |
| 591-78-6 | 2-Hexanone | | 5.0 | U | U |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | U |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | U |
| 108-90-7 | Chlorobenzene | | 1.0 | U | U |
| 100-41-4 | Ethylbenzene | | 1.0 | U | U |
| 1330-20-7 | Xylenes (total) | | 0.98 | J | J |
| 100-42-5 | Styrene | | 1.0 | U | U |
| 75-25-2 | Bromoform | | 1.0 | U | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | U |



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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AS0432

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U447

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USQ

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | | 30.7 | | |
| 74-83-9 | Bromomethane | | 1.0 | U | U |
| 75-00-3 | Chloroethane | | 1.0 | U | U |
| 75-35-4 | 1,1-Dichloroethylene | | 1.1 | | |
| 67-64-1 | Acetone | | 3.3 | J | J C05 |
| 75-15-0 | Carbon disulfide | | 5.0 | U | U |
| 75-09-2 | Methylene chloride | | 5.0 | U | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | U |
| 78-93-3 | 2-Butanone | | 5.0 | U | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | 744 | ~~500~~ BD | | U |
| 67-66-3 | Chloroform | | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | U |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U | U |
| 71-43-2 | Benzene | | 1.9 | | |
| 79-01-6 | Trichloroethylene | | 0.64 | J | J |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | U |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | U |
| 108-88-3 | Toluene | 1.0 | ~~0.70~~ | J | J F04, F06 |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | |
| 591-78-6 | 2-Hexanone | | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | |
| 108-90-7 | Chlorobenzene | | 1.0 | U | |
| 100-41-4 | Ethylbenzene | | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | | 1.0 | U | |
| 100-42-5 | Styrene | | 1.0 | U | |
| 75-25-2 | Bromoform | | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | |

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DUPLICATE

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS0434

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U446

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. ________ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:________(uL) Soil Aliquot Volume: ________(uL)

US

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 32.6 | | = |
| 74-83-9 | Bromomethane | 1.0 | U | U |
| 75-00-3 | Chloroethane | 1.0 | U | U |
| 75-35-4 | 1,1-Dichloroethylene | 1.1 | | = |
| 67-64-1 | Acetone | 3.5 | J | J C05 |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | ↓ |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | ↓ |
| 78-93-3 | 2-Butanone | 5.0 | U | ↓ |
| 540-59-0 | 1,2-Dichloroethylene (total) | ~~501~~ 706 | ~~E~~ D | = |
| 67-66-3 | Chloroform | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | ↓ |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | ↓ |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | ↓ |
| 71-43-2 | Benzene | 1.9 | | = |
| 79-01-6 | Trichloroethylene | 0.62 | J | J |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U | ↓ |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | ↓ |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | ↓ |
| 108-88-3 | Toluene | ~~0.59~~ 1.0 | J | U F04, F06 |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | ↓ |
| 591-78-6 | 2-Hexanone | 5.0 | U | ↓ |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | ↓ |
| 124-48-1 | Dibromochloromethane | 1.0 | U | ↓ |
| 108-90-7 | Chlorobenzene | 1.0 | U | ↓ |
| 100-41-4 | Ethylbenzene | 1.0 | U | ↓ |
| 1330-20-7 | Xylenes (total) | 1.0 | U | ↓ |
| 100-42-5 | Styrene | 1.0 | U | ↓ |
| 75-25-2 | Bromoform | 1.0 | U | ↓ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | ↓ |

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DATA VALIDATION COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS0532

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U521

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U |
| 75-01-4 | Vinyl chloride | 2.3 | |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U |
| 67-64-1 | Acetone | 5.0 | U |
| 75-15-0 | Carbon disulfide | 1.3 | J |
| 75-09-2 | Methylene chloride | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | 30.3 | |
| 67-66-3 | Chloroform | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 71-43-2 | Benzene | 1.0 | U |
| 79-01-6 | Trichloroethylene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 1.0 0.78 | J U F04, F06 |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 127-18-4 | Tetrachloroethylene | 1.0 | U |
| 124-48-1 | Dibromochloromethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 1.0 | U |
| 100-41-4 | Ethylbenzene | 1.0 | U |
| 1330-20-7 | Xylenes (total) | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |

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DATA VALIDATION COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AS0632

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U520

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U |
| 75-01-4 | Vinyl chloride | | 1.0 | U |
| 74-83-9 | Bromomethane | | 1.0 | U |
| 75-00-3 | Chloroethane | | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethylene | | 1.0 | U |
| 67-64-1 | Acetone | | 2.5 | J |
| 75-15-0 | Carbon disulfide | | 5.0 | U |
| 75-09-2 | Methylene chloride | | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U |
| 78-93-3 | 2-Butanone | | 5.0 | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 56.7 | |
| 67-66-3 | Chloroform | | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U |
| 71-43-2 | Benzene | | 1.0 | U |
| 79-01-6 | Trichloroethylene | | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U |
| 75-27-4 | Bromodichloromethane | | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U |
| 108-88-3 | Toluene | 1.0 | ~~0.40~~ | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U |
| 591-78-6 | 2-Hexanone | | 5.0 | U |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U |
| 124-48-1 | Dibromochloromethane | | 1.0 | U |
| 108-90-7 | Chlorobenzene | | 1.0 | U |
| 100-41-4 | Ethylbenzene | | 1.0 | U |
| 1330-20-7 | Xylenes (total) | | 1.0 | U |
| 100-42-5 | Styrene | | 1.0 | U |
| 75-25-2 | Bromoform | | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U |

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS0732

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U443

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USR

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U |
| 75-01-4 | Vinyl chloride | | 1.1 | |
| 74-83-9 | Bromomethane | | 1.0 | U |
| 75-00-3 | Chloroethane | | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethylene | | 7.0 | |
| 67-64-1 | Acetone | | 2.5 | J |
| 75-15-0 | Carbon disulfide | | 5.0 | U |
| 75-09-2 | Methylene chloride | | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U |
| 78-93-3 | 2-Butanone | | 5.0 | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1560 | ~~1000~~ | ED |
| 67-66-3 | Chloroform | | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | | 0.26 | J |
| 71-43-2 | Benzene | | 1.3 | |
| 79-01-6 | Trichloroethylene | | 0.58 | J |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U |
| 75-27-4 | Bromodichloromethane | | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U |
| 108-88-3 | Toluene | 1.0 | ~~0.95~~ | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U |
| 591-78-6 | 2-Hexanone | | 5.0 | U |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U |
| 124-48-1 | Dibromochloromethane | | 1.0 | U |
| 108-90-7 | Chlorobenzene | | 1.0 | U |
| 100-41-4 | Ethylbenzene | | 1.0 | U |
| 1330-20-7 | Xylenes (total) | | 1.0 | U |
| 100-42-5 | Styrene | | 1.0 | U |
| 75-25-2 | Bromoform | | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U |

C05

F04, F06

FORM I VOA OLM03.0

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AS0832

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U519

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U |
| 75-01-4 | Vinyl chloride | 1.0 | U |
| 74-83-9 | Bromomethane | 1.0 | U |
| 75-00-3 | Chloroethane | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U |
| 67-64-1 | Acetone | 2.3 | J |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 75-09-2 | Methylene chloride | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U |
| 78-93-3 | 2-Butanone | 5.0 | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | 2.4 | |
| 67-66-3 | Chloroform | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U |
| 71-43-2 | Benzene | 1.0 | U |
| 79-01-6 | Trichloroethylene | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U |
| 75-27-4 | Bromodichloromethane | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 1.0 ~~0.44~~ | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U |
| 591-78-6 | 2-Hexanone | 5.0 | U |
| 127-18-4 | Tetrachloroethylene | 1.0 | U |
| 124-48-1 | Dibromochloromethane | 1.0 | U |
| 108-90-7 | Chlorobenzene | 1.0 | U |
| 100-41-4 | Ethylbenzene | 1.0 | U |
| 1330-20-7 | Xylenes (total) | 1.0 | U |
| 100-42-5 | Styrene | 1.0 | U |
| 75-25-2 | Bromoform | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U |

U
J CO5
U
U
U
U F04, F06
U

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DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS1432

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U440

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USQ

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | | 0.96 | J | J |
| 74-83-9 | Bromomethane | | 1.0 | U | U |
| 75-00-3 | Chloroethane | | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | | 1.0 | U | |
| 67-64-1 | Acetone | | 4.9 | J | J CO5 |
| 75-15-0 | Carbon disulfide | | 5.0 | U | U |
| 75-09-2 | Methylene chloride | | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | |
| 78-93-3 | 2-Butanone | | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 276 | 272 | ~~E~~ D | = U |
| 67-66-3 | Chloroform | | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U | |
| 71-43-2 | Benzene | | 1.0 | U | |
| 79-01-6 | Trichloroethylene | | 0.55 | J | J |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | U |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | |
| 108-88-3 | Toluene | 1.0 | ~~0.59~~ | J | U FO4, FO6 |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | |
| 591-78-6 | 2-Hexanone | | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | |
| 108-90-7 | Chlorobenzene | | 1.0 | U | |
| 100-41-4 | Ethylbenzene | | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | | 1.0 | U | |
| 100-42-5 | Styrene | | 1.0 | U | |
| 75-25-2 | Bromoform | | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | |

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DATA VALIDATION COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AS2132

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 140903-1

Matrix: (soil/water) WATER Lab Sample ID: 140906004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 2U442

Level: (low/med) LOW Date Received: 07/18/05

% Moisture: not dec. _____ Date Analyzed: 07/29/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USQ

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | | 8.6 | | |
| 74-83-9 | Bromomethane | | 1.0 | U | U |
| 75-00-3 | Chloroethane | | 1.0 | U | U |
| 75-35-4 | 1,1-Dichloroethylene | | 2.4 | | |
| 67-64-1 | Acetone | | 5.0 | U | U COS |
| 75-15-0 | Carbon disulfide | | 5.0 | U | U |
| 75-09-2 | Methylene chloride | | 5.0 | U | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | U |
| 78-93-3 | 2-Butanone | | 5.0 | U | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | 805 | ~~648~~ | ~~E~~ D | |
| 67-66-3 | Chloroform | | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | U |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U | U |
| 71-43-2 | Benzene | | 0.95 | J | J |
| 79-01-6 | Trichloroethylene | | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | U |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | U |
| 108-88-3 | Toluene | 1.0 | ~~0.62~~ | J | U FO4, FO6 |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | |
| 591-78-6 | 2-Hexanone | | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | |
| 108-90-7 | Chlorobenzene | | 1.0 | U | |
| 100-41-4 | Ethylbenzene | | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | | 1.0 | U | |
| 100-42-5 | Styrene | | 1.0 | U | |
| 75-25-2 | Bromoform | | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | |

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DATA VALIDATION COPY

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Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830(423)481-4600

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM56

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): [signature] (Printed Name): James Dardy

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | PAH | PCE | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC0652 | 7/17/05 | 1500 | water | | 2 | | | 2 | 1 | 5 | | 140906007 |
| AC1152 | 7/17/05 | 1600 | water | | 2 | | | 2 | 1 | 5 | | 008 |
| AC2454 | 7/17/05 | 1400 | | | 2 | | | 2 | 1 | 5 | | 009 |
| AC2452 | 7/17/05 | 1400 | | | 2 | | | 2 | 1 | 5 | | 010 |
| AS2132 | 7/17/05 | 1600 | | | 2 | | | | | 2 | | 140906031 |
| AS0732 | 7/17/05 | 1400 | | | 2 | | | | | 2 | | 140906035 |
| AS0832 | 7/17/05 | 1340 | | | 2 | | | | | 2 | | 140906036 |
| AS0632 | 7/17/05 | 1300 | | | 2 | | | | | 2 | | 140906037 |
| AS0434 | 7/17/05 | 1225 | | | 2 | | | | | 2 | | 140906038 |
| AS0432 | 7/17/05 | 1225 | | | 2 | | | | | 2 | | 140906039 |
| AS0532 | 7/17/05 | 1145 | | | 2 | | | | | 2 | | 140906040 |
| AS0332 | 7/17/05 | 1105 | | | 2 | | | | | 2 | | 140906041 |
| AS0232 | 7/17/05 | 1030 | | | 2 | | | | | 2 | | 140906042 |

REQUESTED PARAMETERS

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 38 | Cooler Temperature: |
|---|---|---|---|---|---|
| COMPANY NAME: SAIC | 7/18/05 1130 | COMPANY NAME: GEL | 7/12/05 | Cooler ID: | FEDEX NUMBER: Courier |
| RECEIVED BY: | Date/Time | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: | | COMPANY NAME: | 7/18/05 1410 | | |
| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: | | COMPANY NAME: GEL | 7-18-05 1410 | | |

97 total bottles/vials

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM 56

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Jim Dendy (Printed Name): James Dendy

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843) 556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | PAH | PCE | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TH0412 | 7/16/05 | 700 | Water | 2 | 2 | | | | | 2 | 140903C01 140906D01 | Bottle says just BTEX, runs VOCs .1/.2 |
| AC1052 | 7/16/05 | 1625 | | | 2 | | | 2 | 1 | 5 | . | 140908001 .3/.50 |
| AN1982 | 7/16/05 | 1505 | | 2 | | | | | | 2 | | 140903002 .1 |
| AN0282 | 7/16/05 | 1420 | | 2 | | | | | | 2 | | 140903003 |
| AK0682 | 7/16/05 | 1340 | | 2 | | | | | | 2 | | 140903004 |
| AC1352 | 7/16/05 | 1630 | | | 2 | | | 2 | 1 | 5 | . | 140908002 .2 |
| AN1882 | 7/16/05 | 1525 | | 2 | | | | | | 2 | | 140903005 .1 |
| AN0182 | 7/16/05 | 1440 | | 2 | | | | | | 2 | | 140903006 |
| AK0582 | 7/16/05 | 1345 | | 2 | | | | | | 2 | | 140903007 |
| AN2382 | 7/16/05 | 1100 | | 2 | | | | | | 2 | | 140903008 |
| AN2284 | 7/16/05 | 950 | | 2 | | | | | | 2 | | 140903009 |
| AN2282 | 7/16/05 | 950 | | 2 | | | | | | 2 | | 140903010 |
| AS1432 | 7/16/05 | 1650 | | | 2 | | | | | 2 | | 140906002 .2 |

REQUESTED PARAMETERS

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Jim Dendy | 7/18/05 1130 | Ben Watkins | 7/18/05 1130 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: | Date/Time | RELINQUISHED BY: Ben Watkins | Date/Time 7/18/05 1410 |
| COMPANY NAME: | | COMPANY NAME: | |
| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time 7.18.05 1410 |
| COMPANY NAME: | | COMPANY NAME: GEL | |

TOTAL NUMBER OF CONTAINERS: 32

Cooler ID:

Cooler Temperature:

FEDEX NUMBER: Courier

TH0412 gets BTEX and VOCs. Bottle label says only BTEX.

Call me at 865-300-8190 with questions

Page 2 of 3

HLTM36

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PO Box 2501, 151 Lafayette Dr., Tennessee 37830(423)481-4600

# CHAIN OF CUSTODY RECORD

COC NO.:

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): James Dendy (Printed Name): James Dendy

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | PAH | PCE | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AS0132 | 7/17/05 | 1000 | Water | | 2 | | | | | 2 | | 140906003 |
| AC0952 | 7/17/05 | 1150 | | | 2 | | | 2 | 1 | 5 | . | 140904003 |
| AC0852 | 7/17/05 | 1055 | | | 2 | | | 2 | 1 | 5 | . | 140904004 |
| AC0456 | 7/17/05 | 0730 | | | 2 | | | 2 | 1 | 5 | . | 140908005 |
| AC0452 | 7/17/05 | 945 | | | 2 | | | 2 | 1 | 5 | | 140908006 |
| AC2352 | 7/17/05 | 1300 | | | 2 | | | 2 | 1 | 5 | . | 140908007 |

REQUESTED PARAMETERS

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 27 | Cooler Temperature: |
|---|---|---|---|---|---|
| COMPANY NAME: SAIC | 7/18/05 1130 | COMPANY NAME: GEL | 7/18/05 1130 | Cooler ID: | FEDEX NUMBER: Courier |
| RECEIVED BY: | Date/Time | RELINQUISHED BY: Ben Walters | Date/Time 7/18/05 1410 | | |
| COMPANY NAME: | | COMPANY NAME: | | | |
| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time 7/18/05 1410 | | |
| COMPANY NAME: | | COMPANY NAME: GEL | | | |

# ANALYTICAL LABORATORY INFORMATION AND DATA VALIDATION CODES

**STATE OF GEORGIA**
**ENVIRONMENTAL LABORATORY ACCREDITATION**

| | | |
|---|---|---|
| | Name of Laboratory: | **General Engineering Laboratories, Inc.** |
| | Address: | P.O. Box 30712<br>2040 Savage Road<br>Charleston, SC 29407 |
| | Contact: | Bob Pullano or Wendy Dimmick |
| | Telephone number: | (843) 556-8171 |
| | Fax number: | (843) 766-1178 |
| #1 | Accrediting Authority: | **State of South Carolina** |
| | Accreditation Number: | SC-10120001 |
| | Effective Date: | Extension granted while recertification in process; January 27, 2003 |
| | Expiration Date: | March 26, 2008 |
| | Accreditation Scope: | SDWA, CWA, RCRA, CERCLA |
| #2 | Accrediting Authority: | **State of Florida** |
| | Accreditation Number: | E-87156 |
| | Effective Date: | July 1, 2001 (initial and reaccredited on July 1 each year thereafter) |
| | Expiration Date: | June 30, 2008 |
| | Accreditation Scope: | SDWA, CWA, RCRA, CERCLA |

## DATA VALIDATION REASON CODES

### *Organic, Inorganic, and Radiological Analytical Data*

**Holding Times**

A01 Extraction holding times were exceeded.
A02 Extraction holding times were grossly exceeded.
A03 Analysis holding times were exceeded.
A04 Analysis holding times were grossly exceeded.
A05 Samples were not preserved properly.
A06 Professional judgment was used to qualify the data.

**GC/MS Tuning**

B01 Mass calibration was in error, even after applying expanded criteria.
B02 Mass calibration was not performed every 12 hours.
B03 Mass calibration did not meet ion abundance criteria.
B04 Professional judgment was used to qualify the data.

**Initial/Continuing Calibration – Organics**

C01 Initial calibration RRF was <0.05.
C02 Initial calibration RDS was >30%.
C03 Initial calibration sequence was not followed as required.
C04 Continuing calibration RRF was <0.05.
C05 Continuing calibration %D was >25%.
C06 Continuing calibration was not performed at the required frequency.
C07 Resolution criteria were not met.
C08 RPD criteria were not met.
C09 RDS criteria were not met.
C10 Retention time of compounds was outside windows.
C11 Compounds were not adequately resolved.
C12 Breakdown of endrin or DDT was >30%.
C13 Combined breakdown of endrin/DDT was >30%.
C14 Professional judgment was used to qualify the data.

**Initial/Continuing Calibration – Inorganics**

D01 ICV or CCV was not performed for every analyte.
D02 ICV recovery was above the upper control limit.
D03 ICV recovery was below the lower control limit.
D04 CCV recovery was above the upper control limit.
D05 CCV recovery was below the lower control limit.
D06 Standard curve was not established with the minimum number of standards.
D07 Instrument was not calibrated daily or each time the instrument was set up.
D08 Correlation coefficient was <0.995.
D09 Mid-range cyanide standard was not distilled.
D10 Professional judgment was used to qualify the data.

**ICP and Furnace Requirements**

E01 Interference check sample recovery was outside the control limit.
E02 Duplicate injections were outside the control limit.
E03 Post-digestion spike recovery was outside the control limit.
E04 MSA was required but not performed.
E05 MSA correlation coefficient was <0.995.
E06 MSA spikes were not at the correct concentration.
E07 Serial dilution criteria were not met.
E08 Professional judgment was used to qualify the data.

**Blanks**

F01 Sample data were qualified as a result of the method blank.
F02 Sample data were qualified as a result of the field blank.
F03 Sample data were qualified as a result of the equipment rinsate.
F04 Sample data were qualified as a result of the trip blank.
F05 Gross contamination exists.
F06 Concentration of the contaminant was detected at a level below the CRQL.
F07 Concentration of the contaminant was detected at a level less than the action limit, but greater than the CRQL.
F08 Concentration of the contaminant was detected at a level that exceeds the action level.
F09 No laboratory blanks were analyzed.
F10 Blank had a negative value >2 times the IDL.
F11 Blanks were not analyzed at required frequency.
F12 Professional judgment was used to qualify the data.

**Surrogate/Radiological Chemical Recovery**

G01 Surrogate/radiological chemical recovery was above the upper control limit.
G02 Surrogate/radiological chemical recovery was below the lower control limit.
G03 Surrogate recovery was <10%.
G04 Surrogate recovery was zero.
G05 Surrogate/radiological chemical recovery data were not present.
G06 Professional judgment was used to qualify the data.
G07 Radiological chemical recovery was <20%.
G08 Radiological chemical recovery was >150%.

**Matrix Spike/Matrix Spike Duplicate (MS/MSD)**

H01 MS/MSD recovery was above the upper control limit.
H02 MS/MSD recovery was below the lower control limit.
H03 MD/MSD recovery was <10%.
H04 MS/MSD pairs exceeded the RPD limit.
H05 No action was taken on MS/MSD limit.
H06 Professional judgment was used to qualify the data.
H07 Radiological MS/MSD recovery was <20%.
H08 Radiological MS/MSD recovery was >160%.
H09 Radiological MS/MSD samples were not analyzed at the required frequency.

## DATA VALIDATION REASON CODES

### *Organic, Inorganic, and Radiological Analytical Data (continued)*

| | |
|---|---|
| **Matrix Spike**<br>I01 MS recovery was above the upper control limit.<br>I02 MS recovery was below the lower control limit.<br>I03 MS recovery was <30%.<br>I04 No action was taken on MS data.<br>I05 Professional judgment was used to qualify the data. | **Laboratory Duplicate**<br>J01 Duplicate RPD/radiological duplicate error ratio (DER) was outside the control limit.<br>J02 Duplicate sample results were >5 times the CRDL.<br>J03 Duplicate sample results were <5 times the CRDL.<br>J04 Professional judgment was used to qualify the data.<br>J05 Duplicate was not analyzed at the required frequency. |
| **Internal Area Summary**<br>K01 Area counts were outside the control limits.<br>K02 Extremely low area counts or performance was exhibited by a major drop-off.<br>K03 IS retention time varied by more than 30 seconds.<br>K04 Professional judgment was used to qualify the data. | **Pesticide Cleanup Checks**<br>L01 10% recovery was obtained during either check.<br>L02 Recoveries during either check were >120%.<br>L03 GPC cleanup recoveries were outside the control limits.<br>L04 Florisil cartridge cleanup recoveries were outside the control limits.<br>L05 Professional judgment was used to qualify the data. |
| **Target Compound Identification**<br>M01 Incorrect identifications were made.<br>M02 Qualitative criteria were not met.<br>M03 Cross contamination occurred.<br>M04 Confirmatory analysis was not performed.<br>M05 No results were provided.<br>M06 Analysis occurred outside 12-hour GC/MS window.<br>M07 Professional judgment was used to qualify the data.<br>M08 The %D between the two pesticide/PCB column checks was >25%. | **Compound Quantitation and Reported CRQLs**<br>N01 Quantitation limits were affected by large, off-scale peaks.<br>N02 MDLs reported by the laboratory exceeded corresponding CRQLs.<br>N03 Professional judgment was used to qualify the data. |
| **Tentatively Identified Compounds (TICs)**<br>O01 Compound was suspected laboratory contaminant and was not detected in the blank.<br>O02 TIC result was not above 10 times the level found in the blank.<br>O03 Professional judgment was used to qualify analytical data. | **Laboratory Control Samples (LCSs)**<br>P01 LCS recovery was above upper control limit.<br>P02 LCS recovery was below lower control limit.<br>P03 LCS recovery was <50%.<br>P04 No action was taken on the LCS data.<br>P05 LCS was not analyzed at required frequency.<br>P06 Radiological LCS recovery was <50% for aqueous samples, <40% for solid samples.<br>P07 Radiological LCS recovery was >150% for aqueous samples, >160% for solid samples.<br>P08 Professional judgment was used to qualify the data. |
| **Field Duplicate**<br>Q01 Field duplicate RPDs were >30% for water and/or >50% for soil.<br>Q02 Radiological field duplicate error ratio (DER) was outside the control limit.<br>Q03 Duplicate sample results were >5 times the CRDL.<br>Q04 Duplicate sample results were <5 times the CRDL. | **Radiological Calibration**<br>R01 Efficiency calibration criteria were not met.<br>R02 Energy calibration criteria were not met.<br>R03 Resolution calibration criteria were not met.<br>R04 Background determination criteria were not met.<br>R05 Quench curve criteria were not met.<br>R06 Absorption curve criteria were not met.<br>R07 Plateau curve criteria were not met.<br>R08 Professional judgment was used to qualify the data. |
| **Radiological Calibration Verification**<br>S01 Efficiency verification criteria were not met.<br>S02 Energy verification criteria were not met.<br>S03 Resolution verification criteria were not met.<br>S04 Background verification criteria were not met.<br>S05 Cross-talk verification criteria were not met.<br>S06 Professional judgment was used to qualify the data. | |

# FORMER FIRE TRAINING AREA

# JANUARY 2007

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 10:40** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604002** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC0282** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **606702** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **02/01/2007 20:35** | **Analyst:** | **YS1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **02/01/2007 20:35** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | J | 0.326 J | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 10:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604002 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0282 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/01/2007 20:35 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/01/2007 20:35 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | ~~J~~ U | ~~0.315~~ 1.00 FQY, FQL | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.536 J | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 2.23 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 11:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604006 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0482 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/01/2007 22:22 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/01/2007 22:22 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 11:55** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604006** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SA1C085** | **Project:** | **SA1C08507** |
| **Client ID:** | **AC0482** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **606702** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **02/01/2007 22:22** | **Analyst:** | **YS1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **02/01/2007 22:22** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.276 J | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 1.16 = | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 11:55** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604006** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC0482** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **604865** | **Inst:** | **MSD2.I** | **Dilution:** | **1** |
| **Run Date:** | **01/26/2007 15:43** | **Analyst:** | **JMB3** | | |
| **Prep Date:** | **01/25/2007 17:53** | **Aliquot:** | **1030 mL** | **Final Volume:** | **1 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.71 U | ug/L | 0.971 | 9.71 |
| 95-57-8 | 2-Chlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.71 | ug/L | 1.94 | 9.71 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 83-32-9 | Acenaphthene | U | 0.971 | ug/L | 0.301 | 0.971 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-02-7 | 4-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 87-86-5 | Pentachlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 129-00-0 | Pyrene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-51-6 | Benzyl alcohol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-48-7 | o-Cresol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65794-96-9 | m,p-Cresols | U | 9.71 | ug/L | 2.91 | 9.71 |
| 67-72-1 | Hexachloroethane | U | 9.71 | ug/L | 1.94 | 9.71 |
| 98-95-3 | Nitrobenzene | U | 9.71 | ug/L | 2.91 | 9.71 |
| 78-59-1 | Isophorone | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-75-5 | 2-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |



DATA VALIDATION
COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 11:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604006 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0482 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 15:43 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1030 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.71 U | ug/L | 1.94 | 9.71 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.71 | ug/L | 2.91 | 9.71 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65-85-0 | Benzoic acid | U | 19.4 | ug/L | 5.83 | 19.4 |
| 91-20-3 | Naphthalene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 106-47-8 | 4-Chloroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 87-68-3 | Hexachlorobutadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.71 | ug/L | 0.971 | 9.71 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.971 | ug/L | 0.340 | 0.971 |
| 88-74-4 | o-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 99-09-2 | m-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 131-11-3 | Dimethylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 208-96-8 | Acenaphthylene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.4 | ug/L | 9.71 | 19.4 |
| 132-64-9 | Dibenzofuran | U | 9.71 | ug/L | 1.94 | 9.71 |
| 84-66-2 | Diethylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 86-73-7 | Fluorene | U | 0.971 | ug/L | 0.194 | 0.971 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 11:55 | Matrix: | WATER |
| Lab Sample ID: | 179604006 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC0482 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 15:43 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1030 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.71 | ug/L | 2.91 | 9.71 |
| 100-01-6 | p-Nitroaniline | U | 9.71 | ug/L | 2.91 | 9.71 |
| 122-39-4 | Diphenylamine | U | 9.71 | ug/L | 2.91 | 9.71 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 118-74-1 | Hexachlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 85-01-8 | Phenanthrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 120-12-7 | Anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 84-74-2 | Di-n-butylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 206-44-0 | Fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 85-68-7 | Butylbenzylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 56-55-3 | Benzo(a)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.71 | ug/L | 0.971 | 9.71 |
| 218-01-9 | Chrysene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 117-84-0 | Di-n-octylphthalate | U | 9.71 | ug/L | 2.91 | 9.71 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 50-32-8 | Benzo(a)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |



DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 11:55** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604006** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SA1C085** | **Project:** | **SA1C08507** |
| **Client ID:** | **AC0482** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL–OA–E–009** |
| **Batch ID:** | **604865** | **Inst:** | **MSD2.I** | **Dilution:** | **1** |
| **Run Date:** | **01/26/2007 15:43** | **Analyst:** | **JMB3** | | |
| **Prep Date:** | **01/25/2007 17:53** | **Aliquot:** | **1030 mL** | **Final Volume:** | **1 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 191–24–2 | Benzo(ghi)perylene | U | 0.971 U | ug/L | 0.194 | 0.971 |
| 86–74–8 | Carbazole | U | 0.971 | ug/L | 0.194 | 0.971 |
| 120–82–1 | 1,2,4–Trichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604006 **CLIENT ID:** AC0482

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3 | ug/L | U | | P | 3 | 1 | TRACE2 | 013007-2 |

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DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604007

Client ID: AC0486
Batch ID: 606702
Run Date: 02/01/2007 22:48
Prep Date: 02/01/2007 22:48

Date Collected: 01/21/2007 11:00
Date Received: 01/24/2007 14:14
Client: SAIC085
Method: SW846 8260B
Inst: VOA5.I
Analyst: YS1

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | | 14.5 = | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | J | 2.40 J | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 11:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604007 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC0486 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/01/2007 22:48 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/01/2007 22:48 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | U | 1.21 F04, | ug/L F07 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.328 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 11:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604007 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0486 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 16:03 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1030 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.71 U | ug/L | 0.971 | 9.71 |
| 95-57-8 | 2-Chlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.71 | ug/L | 1.94 | 9.71 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 83-32-9 | Acenaphthene | U | 0.971 | ug/L | 0.301 | 0.971 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-02-7 | 4-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 87-86-5 | Pentachlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 129-00-0 | Pyrene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-51-6 | Benzyl alcohol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-48-7 | o-Cresol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65794-96-9 | m,p-Cresols | U | 9.71 | ug/L | 2.91 | 9.71 |
| 67-72-1 | Hexachloroethane | U | 9.71 | ug/L | 1.94 | 9.71 |
| 98-95-3 | Nitrobenzene | U | 9.71 | ug/L | 2.91 | 9.71 |
| 78-59-1 | Isophorone | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-75-5 | 2-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 11:00 | Matrix: | WATER |
| Lab Sample ID: | 179604007 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SA1C085 | Project: | SA1C08507 |
| Client ID: | AC0486 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 16:03 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1030 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.71 U | ug/L | 1.94 | 9.71 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.71 | ug/L | 2.91 | 9.71 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65-85-0 | Benzoic acid | U | 19.4 | ug/L | 5.83 | 19.4 |
| 91-20-3 | Naphthalene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 106-47-8 | 4-Chloroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 87-68-3 | Hexachlorobutadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.71 | ug/L | 0.971 | 9.71 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.971 | ug/L | 0.340 | 0.971 |
| 88-74-4 | o-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 99-09-2 | m-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 131-11-3 | Dimethylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 208-96-8 | Acenaphthylene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.4 | ug/L | 9.71 | 19.4 |
| 132-64-9 | Dibenzofuran | U | 9.71 | ug/L | 1.94 | 9.71 |
| 84-66-2 | Diethylphthalate | J | 2.09 J | ug/L | 1.94 | 9.71 |
| 86-73-7 | Fluorene | U | 0.971 U | ug/L | 0.194 | 0.971 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 11:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604007 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0486 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 16:03 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1030 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.71 U | ug/L | 1.94 | 9.71 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.71 | ug/L | 2.91 | 9.71 |
| 100-01-6 | p-Nitroaniline | U | 9.71 | ug/L | 2.91 | 9.71 |
| 122-39-4 | Diphenylamine | U | 9.71 | ug/L | 2.91 | 9.71 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 118-74-1 | Hexachlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 85-01-8 | Phenanthrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 120-12-7 | Anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 84-74-2 | Di-n-butylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 206-44-0 | Fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 85-68-7 | Butylbenzylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 56-55-3 | Benzo(a)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.71 | ug/L | 0.971 | 9.71 |
| 218-01-9 | Chrysene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 117-84-0 | Di-n-octylphthalate | U | 9.71 | ug/L | 2.91 | 9.71 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 50-32-8 | Benzo(a)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 11:00** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604007** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC0486** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **604865** | **Inst:** | **MSD2.I** | **Dilution:** | **1** |
| **Run Date:** | **01/26/2007 16:03** | **Analyst:** | **JMB3** | | |
| **Prep Date:** | **01/25/2007 17:53** | **Aliquot:** | **1030 mL** | **Final Volume:** | **1 mL** |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 0.971 | U | ug/L | 0.194 | 0.971 |
| 86-74-8 | Carbazole | U | 0.971 | | ug/L | 0.194 | 0.971 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.71 | | ug/L | 1.94 | 9.71 |

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604007 **CLIENT ID:** AC0486

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | ~~10~~ 3 ~~3.8~~ | ug/L | B | U F06 | P | 3 | 1 | TRACE2 | 013007-2 |

DATA VALIDATION COPY

**Volatile**
**Certificate of Analysis**
**Sample Summary**

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/20/2007 10:15 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604003 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0682 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/01/2007 21:02 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/01/2007 21:02 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | J | 0.976 J | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 1.53 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 20.7 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/20/2007 10:15 | Matrix: | WATER |
| Lab Sample ID: | 179604003 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SA1C085 | Project: | SA1C08507 |
| Client ID: | AC0682 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 606702 | Inst: | VOA5.I | Dilution: | 1 |
| Run Date: | 02/01/2007 21:02 | Analyst: | YS1 | Purge Vol: | 5 mL |
| Prep Date: | 02/01/2007 21:02 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | U | ~~0.240~~ 1.00 F04, U F06 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.761 J | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | J | 0.711 J | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.577 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/20/2007 10:15 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604003 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0682 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 14:00 | **Analyst:** | JMB3 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1050 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.52 | ug/L | 0.952 | 9.52 |
| 95-57-8 | 2-Chlorophenol | U | 9.52 | ug/L | 1.90 | 9.52 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.52 | ug/L | 1.90 | 9.52 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.52 | ug/L | 1.90 | 9.52 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.52 | ug/L | 1.90 | 9.52 |
| 83-32-9 | Acenaphthene | U | 0.952 | ug/L | 0.295 | 0.952 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.52 | ug/L | 1.90 | 9.52 |
| 100-02-7 | 4-Nitrophenol | U | 9.52 | ug/L | 1.90 | 9.52 |
| 87-86-5 | Pentachlorophenol | U | 9.52 | ug/L | 1.90 | 9.52 |
| 129-00-0 | Pyrene | U | 0.952 | ug/L | 0.286 | 0.952 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.52 | ug/L | 1.90 | 9.52 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.52 | ug/L | 1.90 | 9.52 |
| 100-51-6 | Benzyl alcohol | U | 9.52 | ug/L | 1.90 | 9.52 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.52 | ug/L | 1.90 | 9.52 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.52 | ug/L | 1.90 | 9.52 |
| 95-48-7 | o-Cresol | U | 9.52 | ug/L | 1.90 | 9.52 |
| 65794-96-9 | m,p-Cresols | U | 9.52 | ug/L | 2.86 | 9.52 |
| 67-72-1 | Hexachloroethane | U | 9.52 | ug/L | 1.90 | 9.52 |
| 98-95-3 | Nitrobenzene | U | 9.52 | ug/L | 2.86 | 9.52 |
| 78-59-1 | Isophorone | U | 9.52 | ug/L | 1.90 | 9.52 |
| 88-75-5 | 2-Nitrophenol | U | 9.52 | ug/L | 1.90 | 9.52 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/20/2007 10:15 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604003 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0682 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 14:00 | **Analyst:** | JMB3 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1050 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.52 U | ug/L | 1.90 | 9.52 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.52 | ug/L | 2.86 | 9.52 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.52 | ug/L | 1.90 | 9.52 |
| 65-85-0 | Benzoic acid | U | 19.0 | ug/L | 5.71 | 19.0 |
| 91-20-3 | Naphthalene | | 28.6 = | ug/L | 0.286 | 0.952 |
| 106-47-8 | 4-Chloroaniline | U | 9.52 U | ug/L | 1.90 | 9.52 |
| 87-68-3 | Hexachlorobutadiene | U | 9.52 U | ug/L | 1.90 | 9.52 |
| 91-57-6 | 2-Methylnaphthalene | | 3.69 = | ug/L | 0.286 | 0.952 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.52 U | ug/L | 1.90 | 9.52 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.52 | ug/L | 1.90 | 9.52 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.52 | ug/L | 0.952 | 9.52 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.952 | ug/L | 0.333 | 0.952 |
| 88-74-4 | o-Nitroaniline | U | 9.52 | ug/L | 1.90 | 9.52 |
| 99-09-2 | m-Nitroaniline | U | 9.52 | ug/L | 1.90 | 9.52 |
| 131-11-3 | Dimethylphthalate | U | 9.52 | ug/L | 1.90 | 9.52 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.52 | ug/L | 1.90 | 9.52 |
| 208-96-8 | Acenaphthylene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.0 | ug/L | 9.52 | 19.0 |
| 132-64-9 | Dibenzofuran | U | 9.52 | ug/L | 1.90 | 9.52 |
| 84-66-2 | Diethylphthalate | U | 9.52 | ug/L | 1.90 | 9.52 |
| 86-73-7 | Fluorene | U | 0.952 | ug/L | 0.190 | 0.952 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/20/2007 10:15 | Matrix: | WATER |
| Lab Sample ID: | 179604003 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC0682 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 14:00 | Analyst: | JMB3 | Inj. Vol: | .5 uL |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1050 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.52 U | ug/L | 1.90 | 9.52 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.52 | ug/L | 2.86 | 9.52 |
| 100-01-6 | p-Nitroaniline | U | 9.52 | ug/L | 2.86 | 9.52 |
| 122-39-4 | Diphenylamine | U | 9.52 | ug/L | 2.86 | 9.52 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.52 | ug/L | 1.90 | 9.52 |
| 118-74-1 | Hexachlorobenzene | U | 9.52 | ug/L | 1.90 | 9.52 |
| 85-01-8 | Phenanthrene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 120-12-7 | Anthracene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 84-74-2 | Di-n-butylphthalate | U | 9.52 | ug/L | 1.90 | 9.52 |
| 206-44-0 | Fluoranthene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 85-68-7 | Butylbenzylphthalate | U | 9.52 | ug/L | 1.90 | 9.52 |
| 56-55-3 | Benzo(a)anthracene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.52 | ug/L | 0.952 | 9.52 |
| 218-01-9 | Chrysene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.52 | ug/L | 1.90 | 9.52 |
| 117-84-0 | Di-n-octylphthalate | U | 9.52 | ug/L | 2.86 | 9.52 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 50-32-8 | Benzo(a)pyrene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.952 | ug/L | 0.190 | 0.952 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/20/2007 10:15 | Matrix: | WATER |
| Lab Sample ID: | 179604003 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SA1C085 | Project: | SA1C08507 |
| Client ID: | AC0682 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 14:00 | Analyst: | JMB3 | Inj. Vol: | .5 uL |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1050 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 0.952 | ug/L | 0.190 | 0.952 |
| 86-74-8 | Carbazole | U | 0.952 | ug/L | 0.190 | 0.952 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.52 | ug/L | 1.90 | 9.52 |



DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604003 **CLIENT ID:** AC0682

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3 | ug/L | U | | P | 3 | 1 | TRACE2 | 012907-1 |

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DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 13:35** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604008** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC0882** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **606702** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **02/01/2007 23:15** | **Analyst:** | **YS1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **02/01/2007 23:15** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 13:35 | Matrix: | WATER |
| Lab Sample ID: | 179604008 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC0882 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 606702 | Inst: | VOA5.I | Dilution: | 1 |
| Run Date: | 02/01/2007 23:15 | Analyst: | YS1 | Purge Vol: | 5 mL |
| Prep Date: | 02/01/2007 23:15 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.295 J | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 13:35** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604008** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SA1C085** | **Project:** | **SA1C08507** |
| **Client ID:** | **AC0882** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **604865** | **Inst:** | **MSD2.1** | **Dilution:** | **1** |
| **Run Date:** | **01/26/2007 16:24** | **Analyst:** | **JMB3** | | |
| **Prep Date:** | **01/25/2007 17:53** | **Aliquot:** | **1030 mL** | **Final Volume:** | **1 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.71 U | ug/L | 0.971 | 9.71 |
| 95-57-8 | 2-Chlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.71 | ug/L | 1.94 | 9.71 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 83-32-9 | Acenaphthene | U | 0.971 | ug/L | 0.301 | 0.971 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-02-7 | 4-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 87-86-5 | Pentachlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 129-00-0 | Pyrene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-51-6 | Benzyl alcohol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-48-7 | o-Cresol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65794-96-9 | m,p-Cresols | U | 9.71 | ug/L | 2.91 | 9.71 |
| 67-72-1 | Hexachloroethane | U | 9.71 | ug/L | 1.94 | 9.71 |
| 98-95-3 | Nitrobenzene | U | 9.71 | ug/L | 2.91 | 9.71 |
| 78-59-1 | Isophorone | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-75-5 | 2-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 13:35 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604008 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0882 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 16:24 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1030 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.71 U | ug/L | 1.94 | 9.71 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.71 | ug/L | 2.91 | 9.71 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65-85-0 | Benzoic acid | U | 19.4 | ug/L | 5.83 | 19.4 |
| 91-20-3 | Naphthalene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 106-47-8 | 4-Chloroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 87-68-3 | Hexachlorobutadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.71 | ug/L | 0.971 | 9.71 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.971 | ug/L | 0.340 | 0.971 |
| 88-74-4 | o-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 99-09-2 | m-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 131-11-3 | Dimethylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 208-96-8 | Acenaphthylene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.4 | ug/L | 9.71 | 19.4 |
| 132-64-9 | Dibenzofuran | U | 9.71 | ug/L | 1.94 | 9.71 |
| 84-66-2 | Diethylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 86-73-7 | Fluorene | U | 0.971 | ug/L | 0.194 | 0.971 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 13:35 | Matrix: | WATER |
| Lab Sample ID: | 179604008 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC0882 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 16:24 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1030 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.71 U | ug/L | 1.94 | 9.71 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.71 | ug/L | 2.91 | 9.71 |
| 100-01-6 | p-Nitroaniline | U | 9.71 | ug/L | 2.91 | 9.71 |
| 122-39-4 | Diphenylamine | U | 9.71 | ug/L | 2.91 | 9.71 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 118-74-1 | Hexachlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 85-01-8 | Phenanthrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 120-12-7 | Anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 84-74-2 | Di-n-butylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 206-44-0 | Fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 85-68-7 | Butylbenzylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 56-55-3 | Benzo(a)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.71 | ug/L | 0.971 | 9.71 |
| 218-01-9 | Chrysene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 117-84-0 | Di-n-octylphthalate | U | 9.71 | ug/L | 2.91 | 9.71 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 50-32-8 | Benzo(a)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 13:35 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604008 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC0882 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 16:24 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1030 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 0.971 U | ug/L | 0.194 | 0.971 |
| 86-74-8 | Carbazole | U | 0.971 | ug/L | 0.194 | 0.971 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |



DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604008 **CLIENT ID:** AC0882

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3 | ug/L | U | | P | 3 | 1 | TRACE2 | 013007-2 |

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DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 14:40** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604009** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SA1C085** | **Project:** | **SA1C08507** |
| **Client ID:** | **AC0982** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **606702** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **02/01/2007 23:41** | **Analyst:** | **YS1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **02/01/2007 23:41** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 53.2 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 14:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604009 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0982 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/01/2007 23:41 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/01/2007 23:41 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1.3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 3.98 = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 3.00 = | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 14:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604009 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC0982 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.1 | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 16:44 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1010 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.90 U | ug/L | 0.990 | 9.90 |
| 95-57-8 | 2-Chlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.90 | ug/L | 1.98 | 9.90 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 83-32-9 | Acenaphthene | U | 0.990 | ug/L | 0.307 | 0.990 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 100-02-7 | 4-Nitrophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 87-86-5 | Pentachlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 129-00-0 | Pyrene | U | 0.990 | ug/L | 0.297 | 0.990 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 100-51-6 | Benzyl alcohol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-48-7 | o-Cresol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 65794-96-9 | m,p-Cresols | U | 9.90 | ug/L | 2.97 | 9.90 |
| 67-72-1 | Hexachloroethane | U | 9.90 | ug/L | 1.98 | 9.90 |
| 98-95-3 | Nitrobenzene | U | 9.90 | ug/L | 2.97 | 9.90 |
| 78-59-1 | Isophorone | U | 9.90 | ug/L | 1.98 | 9.90 |
| 88-75-5 | 2-Nitrophenol | U | 9.90 | ug/L | 1.98 | 9.90 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 14:40 | Matrix: | WATER |
| Lab Sample ID: | 179604009 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC0982 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 16:44 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1010 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.90 | ug/L | 2.97 | 9.90 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 65-85-0 | Benzoic acid | U | 19.8 | ug/L | 5.94 | 19.8 |
| 91-20-3 | Naphthalene | | 18.9 = | ug/L | 0.297 | 0.990 |
| 106-47-8 | 4-Chloroaniline | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 87-68-3 | Hexachlorobutadiene | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 91-57-6 | 2-Methylnaphthalene | | 1.08 = | ug/L | 0.297 | 0.990 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.90 | ug/L | 0.990 | 9.90 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.990 | ug/L | 0.347 | 0.990 |
| 88-74-4 | o-Nitroaniline | U | 9.90 | ug/L | 1.98 | 9.90 |
| 99-09-2 | m-Nitroaniline | U | 9.90 | ug/L | 1.98 | 9.90 |
| 131-11-3 | Dimethylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 208-96-8 | Acenaphthylene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.8 | ug/L | 9.90 | 19.8 |
| 132-64-9 | Dibenzofuran | U | 9.90 | ug/L | 1.98 | 9.90 |
| 84-66-2 | Diethylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 86-73-7 | Fluorene | U | 0.990 | ug/L | 0.198 | 0.990 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 14:40** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604009** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC0982** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **604865** | **Inst:** | **MSD2.I** | **Dilution:** | **1** |
| **Run Date:** | **01/26/2007 16:44** | **Analyst:** | **JMB3** | | |
| **Prep Date:** | **01/25/2007 17:53** | **Aliquot:** | **1010 mL** | **Final Volume:** | **1 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.90 | ug/L | 2.97 | 9.90 |
| 100-01-6 | p-Nitroaniline | U | 9.90 | ug/L | 2.97 | 9.90 |
| 122-39-4 | Diphenylamine | U | 9.90 | ug/L | 2.97 | 9.90 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 118-74-1 | Hexachlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 85-01-8 | Phenanthrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 120-12-7 | Anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 84-74-2 | Di-n-butylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 206-44-0 | Fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 85-68-7 | Butylbenzylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 56-55-3 | Benzo(a)anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.90 | ug/L | 0.990 | 9.90 |
| 218-01-9 | Chrysene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 117-84-0 | Di-n-octylphthalate | U | 9.90 | ug/L | 2.97 | 9.90 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 50-32-8 | Benzo(a)pyrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

**SDG Number:** 179604
**Lab Sample ID:** 179604009

**Client ID:** AC0982
**Batch ID:** 604865
**Run Date:** 01/26/2007 16:44
**Prep Date:** 01/25/2007 17:53

**Date Collected:** 01/21/2007 14:40
**Date Received:** 01/24/2007 14:14
**Client:** SA1C085
**Method:** SW846 8270C
**Inst:** MSD2.I
**Analyst:** JMB3
**Aliquot:** 1010 mL

**Matrix:** WATER
**Project:** SA1C08507
**SOP Ref:** GL-OA-E-009
**Dilution:** 1
**Final Volume:** 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 0.990 U | ug/L | 0.198 | 0.990 |
| 86-74-8 | Carbazole | U | 0.990 | ug/L | 0.198 | 0.990 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |



DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604009 **CLIENT ID:** AC0982

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | ~~3.5~~ 3 U F06 | ug/L | B | | P | 3 | 1 | TRACE2 | 013007-2 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 15:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604013 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC1082 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/02/2007 01:27 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/02/2007 01:27 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 64.1 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 15:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604013 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SAIC08507 |
| **Client ID:** | AC1082 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/02/2007 01:27 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/02/2007 01:27 | | | | |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | ~~J~~ U | ~~0.274~~ 1.00 | F04, | ug/L F06 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 1.29 | = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | J | 0.647 | J | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 26.3 | = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 15:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604013 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC1082 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 18:07 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1030 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.71 U | ug/L | 0.971 | 9.71 |
| 95-57-8 | 2-Chlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.71 | ug/L | 1.94 | 9.71 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 83-32-9 | Acenaphthene | U | 0.971 | ug/L | 0.301 | 0.971 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-02-7 | 4-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 87-86-5 | Pentachlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 129-00-0 | Pyrene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-51-6 | Benzyl alcohol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-48-7 | o-Cresol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65794-96-9 | m,p-Cresols | U | 9.71 | ug/L | 2.91 | 9.71 |
| 67-72-1 | Hexachloroethane | U | 9.71 | ug/L | 1.94 | 9.71 |
| 98-95-3 | Nitrobenzene | U | 9.71 | ug/L | 2.91 | 9.71 |
| 78-59-1 | Isophorone | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-75-5 | 2-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604013

Client ID: AC1082
Batch ID: 604865
Run Date: 01/26/2007 18:07
Prep Date: 01/25/2007 17:53

Date Collected: 01/21/2007 15:20
Date Received: 01/24/2007 14:14
Client: SAIC085
Method: SW846 8270C
Inst: MSD2.I
Analyst: JMB3
Aliquot: 1030 mL

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.71 U | ug/L | 1.94 | 9.71 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.71 | ug/L | 2.91 | 9.71 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65-85-0 | Benzoic acid | U | 19.4 | ug/L | 5.83 | 19.4 |
| 91-20-3 | Naphthalene | | 3.26 = | ug/L | 0.291 | 0.971 |
| 106-47-8 | 4-Chloroaniline | U | 9.71 U | ug/L | 1.94 | 9.71 |
| 87-68-3 | Hexachlorobutadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.71 | ug/L | 0.971 | 9.71 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.971 | ug/L | 0.340 | 0.971 |
| 88-74-4 | o-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 99-09-2 | m-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 131-11-3 | Dimethylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 208-96-8 | Acenaphthylene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.4 | ug/L | 9.71 | 19.4 |
| 132-64-9 | Dibenzofuran | U | 9.71 | ug/L | 1.94 | 9.71 |
| 84-66-2 | Diethylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 86-73-7 | Fluorene | U | 0.971 | ug/L | 0.194 | 0.971 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 15:20 | Matrix: | WATER |
| Lab Sample ID: | 179604013 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC1082 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 18:07 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1030 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.71 | ug/L | 2.91 | 9.71 |
| 100-01-6 | p-Nitroaniline | U | 9.71 | ug/L | 2.91 | 9.71 |
| 122-39-4 | Diphenylamine | U | 9.71 | ug/L | 2.91 | 9.71 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 118-74-1 | Hexachlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 85-01-8 | Phenanthrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 120-12-7 | Anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 84-74-2 | Di-n-butylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 206-44-0 | Fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 85-68-7 | Butylbenzylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 56-55-3 | Benzo(a)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.71 | ug/L | 0.971 | 9.71 |
| 218-01-9 | Chrysene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 117-84-0 | Di-n-octylphthalate | U | 9.71 | ug/L | 2.91 | 9.71 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 50-32-8 | Benzo(a)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 15:20 | Matrix: | WATER |
| Lab Sample ID: | 179604013 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC1082 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 18:07 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1030 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 0.971 | U | ug/L | 0.194 | 0.971 |
| 86-74-8 | Carbazole | U | 0.971 | | ug/L | 0.194 | 0.971 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.71 | | ug/L | 1.94 | 9.71 |



DATA VALIDATION
COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604013 **CLIENT ID:** AC1082

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3 | ug/L | U | | P | 3 | 1 | TRACE2 | 013007-2 |

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DATA VALIDATION
COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604004

Client ID: AC1182
Batch ID: 606702
Run Date: 02/01/2007 21:28
Prep Date: 02/01/2007 21:28

Date Collected: 01/20/2007 11:15
Date Received: 01/24/2007 14:14
Client: SAIC085
Method: SW846 8260B
Inst: VOA5.1
Analyst: YS1

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 2.06 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 8.30 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604004

Client ID: AC1182
Batch ID: 606702
Run Date: 02/01/2007 21:28
Prep Date: 02/01/2007 21:28

Date Collected: 01/20/2007 11:15
Date Received: 01/24/2007 14:14
Client: SAIC085
Method: SW846 8260B
Inst: VOA5.1
Analyst: YS1

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | ~~U~~ | ~~0.550~~ 1.00 F04, F06 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.627 J | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 5.10 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/20/2007 11:15** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604004** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC1182** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **604865** | **Inst:** | **MSD2.I** | **Dilution:** | **1** |
| **Run Date:** | **01/26/2007 14:21** | **Analyst:** | **JMB3** | | |
| **Prep Date:** | **01/25/2007 17:53** | **Aliquot:** | **1010 mL** | **Final Volume:** | **1 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.90 U | ug/L | 0.990 | 9.90 |
| 95-57-8 | 2-Chlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.90 | ug/L | 1.98 | 9.90 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 83-32-9 | Acenaphthene | U | 0.990 | ug/L | 0.307 | 0.990 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 100-02-7 | 4-Nitrophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 87-86-5 | Pentachlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 129-00-0 | Pyrene | U | 0.990 | ug/L | 0.297 | 0.990 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 100-51-6 | Benzyl alcohol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-48-7 | o-Cresol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 65794-96-9 | m,p-Cresols | U | 9.90 | ug/L | 2.97 | 9.90 |
| 67-72-1 | Hexachloroethane | U | 9.90 | ug/L | 1.98 | 9.90 |
| 98-95-3 | Nitrobenzene | U | 9.90 | ug/L | 2.97 | 9.90 |
| 78-59-1 | Isophorone | U | 9.90 | ug/L | 1.98 | 9.90 |
| 88-75-5 | 2-Nitrophenol | U | 9.90 | ug/L | 1.98 | 9.90 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/20/2007 11:15 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604004 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC1182 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 14:21 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1010 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.90 | ug/L | 2.97 | 9.90 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 65-85-0 | Benzoic acid | U | 19.8 | ug/L | 5.94 | 19.8 |
| 91-20-3 | Naphthalene | | 5.57 = | ug/L | 0.297 | 0.990 |
| 106-47-8 | 4-Chloroaniline | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 87-68-3 | Hexachlorobutadiene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.990 | ug/L | 0.297 | 0.990 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.90 | ug/L | 0.990 | 9.90 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.990 | ug/L | 0.347 | 0.990 |
| 88-74-4 | o-Nitroaniline | U | 9.90 | ug/L | 1.98 | 9.90 |
| 99-09-2 | m-Nitroaniline | U | 9.90 | ug/L | 1.98 | 9.90 |
| 131-11-3 | Dimethylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 208-96-8 | Acenaphthylene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.8 | ug/L | 9.90 | 19.8 |
| 132-64-9 | Dibenzofuran | U | 9.90 | ug/L | 1.98 | 9.90 |
| 84-66-2 | Diethylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 86-73-7 | Fluorene | U | 0.990 | ug/L | 0.198 | 0.990 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/20/2007 11:15 | Matrix: | WATER |
| Lab Sample ID: | 179604004 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC1182 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 14:21 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1010 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.90 | ug/L | 2.97 | 9.90 |
| 100-01-6 | p-Nitroaniline | U | 9.90 | ug/L | 2.97 | 9.90 |
| 122-39-4 | Diphenylamine | U | 9.90 | ug/L | 2.97 | 9.90 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 118-74-1 | Hexachlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 85-01-8 | Phenanthrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 120-12-7 | Anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 84-74-2 | Di-n-butylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 206-44-0 | Fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 85-68-7 | Butylbenzylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 56-55-3 | Benzo(a)anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.90 | ug/L | 0.990 | 9.90 |
| 218-01-9 | Chrysene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | J | 3.77 J COS | ug/L | 1.98 | 9.90 |
| 117-84-0 | Di-n-octylphthalate | U | 9.90 U | ug/L | 2.97 | 9.90 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 50-32-8 | Benzo(a)pyrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/20/2007 11:15 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604004 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC1182 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 14:21 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1010 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 0.990 U | ug/L | 0.198 | 0.990 |
| 86-74-8 | Carbazole | U | 0.990 | ug/L | 0.198 | 0.990 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604004 **CLIENT ID:** AC1182

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3 | ug/L | U | | P | 3 | 1 | TRACE2 | 012907-1 |

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DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604005

Client ID: AC1184
Batch ID: 606702
Run Date: 02/01/2007 21:55
Prep Date: 02/01/2007 21:55

Date Collected: 01/20/2007 11:55
Date Received: 01/24/2007 14:14
Client: SA1C085
Method: SW846 8260B
Inst: VOA5.I
Analyst: YS1

Matrix: WATER
Project: SA1C08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 8.80 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/20/2007 11:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604005 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC1184 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/01/2007 21:55 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/01/2007 21:55 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | ~~J~~ U | ~~0.442~~ 1.00 F04, | ug/L F06 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.550 J | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 4.55 = | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/20/2007 11:55 | Matrix: | WATER |
| Lab Sample ID: | 179604005 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC1184 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 14:41 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.0 U | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-51-6 | Benzyl alcohol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/20/2007 11:55** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604005** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC1184** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **604865** | **Inst:** | **MSD2.I** | **Dilution:** | **1** |
| **Run Date:** | **01/26/2007 14:41** | **Analyst:** | **JMB3** | | |
| **Prep Date:** | **01/25/2007 17:53** | **Aliquot:** | **1000 mL** | **Final Volume:** | **1 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65-85-0 | Benzoic acid | U | 20.0 U | ug/L | 6.00 | 20.0 |
| 91-20-3 | Naphthalene | | 7.73 = | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/20/2007 11:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604005 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC1184 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 14:41 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | J | 4.50 J CO5 | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 U | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/20/2007 11:55 | Matrix: | WATER |
| Lab Sample ID: | 179604005 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SA1C085 | Project: | SA1C08507 |
| Client ID: | AC1184 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 14:41 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 U | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604005 **CLIENT ID:** AC1184

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3 | ug/L | U | | P | 3 | 1 | TRACE2 | 013007-2 |

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DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604010

Client ID: AC1382
Batch ID: 606702
Run Date: 02/02/2007 00:08
Prep Date: 02/02/2007 00:08

Date Collected: 01/21/2007 16:00
Date Received: 01/24/2007 14:14
Client: SAIC085
Method: SW846 8260B
Inst: VOA5.I
Analyst: YS1

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 4.50 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 15.1 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 16:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604010 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC1382 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/02/2007 00:08 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/02/2007 00:08 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | ~~J~~ U | ~~0.320~~ 1.00 F04, F06 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 14.6 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 1.76 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179604** | **Date Collected:** | **01/21/2007 16:00** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179604010** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC1382** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **604865** | **Inst:** | **MSD2.I** | **Dilution:** | **1** |
| **Run Date:** | **01/26/2007 17:05** | **Analyst:** | **JMB3** | | |
| **Prep Date:** | **01/25/2007 17:53** | **Aliquot:** | **1020 mL** | **Final Volume:** | **1 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.80 U | ug/L | 0.980 | 9.80 |
| 95-57-8 | 2-Chlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.80 | ug/L | 1.96 | 9.80 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 83-32-9 | Acenaphthene | U | 0.980 | ug/L | 0.304 | 0.980 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 100-02-7 | 4-Nitrophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 87-86-5 | Pentachlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 129-00-0 | Pyrene | U | 0.980 | ug/L | 0.294 | 0.980 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 100-51-6 | Benzyl alcohol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 95-48-7 | o-Cresol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 65794-96-9 | m,p-Cresols | U | 9.80 | ug/L | 2.94 | 9.80 |
| 67-72-1 | Hexachloroethane | U | 9.80 | ug/L | 1.96 | 9.80 |
| 98-95-3 | Nitrobenzene | U | 9.80 | ug/L | 2.94 | 9.80 |
| 78-59-1 | Isophorone | U | 9.80 | ug/L | 1.96 | 9.80 |
| 88-75-5 | 2-Nitrophenol | U | 9.80 | ug/L | 1.96 | 9.80 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 16:00 | Matrix: | WATER |
| Lab Sample ID: | 179604010 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SA1C085 | Project: | SA1C08507 |
| Client ID: | AC1382 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 17:05 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1020 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.80 U | ug/L | 1.96 | 9.80 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.80 | ug/L | 2.94 | 9.80 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 65-85-0 | Benzoic acid | U | 19.6 | ug/L | 5.88 | 19.6 |
| 91-20-3 | Naphthalene | | 112 = | ug/L | 0.294 | 0.980 |
| 106-47-8 | 4-Chloroaniline | U | 9.80 U | ug/L | 1.96 | 9.80 |
| 87-68-3 | Hexachlorobutadiene | U | 9.80 U | ug/L | 1.96 | 9.80 |
| 91-57-6 | 2-Methylnaphthalene | | 31.9 = | ug/L | 0.294 | 0.980 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.80 U | ug/L | 1.96 | 9.80 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.80 | ug/L | 0.980 | 9.80 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.980 | ug/L | 0.343 | 0.980 |
| 88-74-4 | o-Nitroaniline | U | 9.80 | ug/L | 1.96 | 9.80 |
| 99-09-2 | m-Nitroaniline | U | 9.80 | ug/L | 1.96 | 9.80 |
| 131-11-3 | Dimethylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 208-96-8 | Acenaphthylene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.6 | ug/L | 9.80 | 19.6 |
| 132-64-9 | Dibenzofuran | U | 9.80 | ug/L | 1.96 | 9.80 |
| 84-66-2 | Diethylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 86-73-7 | Fluorene | U | 0.980 | ug/L | 0.196 | 0.980 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

SDG Number: 179604
Lab Sample ID: 179604010

Client ID: AC1382
Batch ID: 604865
Run Date: 01/26/2007 17:05
Prep Date: 01/25/2007 17:53

Date Collected: 01/21/2007 16:00
Date Received: 01/24/2007 14:14
Client: SA1C085
Method: SW846 8270C
Inst: MSD2.I
Analyst: JMB3
Aliquot: 1020 mL

Matrix: WATER
Project: SA1C08507
SOP Ref: GL-OA-E-009
Dilution: 1
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.80 | ug/L | 2.94 | 9.80 |
| 100-01-6 | p-Nitroaniline | U | 9.80 | ug/L | 2.94 | 9.80 |
| 122-39-4 | Diphenylamine | U | 9.80 | ug/L | 2.94 | 9.80 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 118-74-1 | Hexachlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 85-01-8 | Phenanthrene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 120-12-7 | Anthracene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 84-74-2 | Di-n-butylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 206-44-0 | Fluoranthene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 85-68-7 | Butylbenzylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 56-55-3 | Benzo(a)anthracene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.80 | ug/L | 0.980 | 9.80 |
| 218-01-9 | Chrysene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 117-84-0 | Di-n-octylphthalate | U | 9.80 | ug/L | 2.94 | 9.80 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 50-32-8 | Benzo(a)pyrene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.980 | ug/L | 0.196 | 0.980 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 16:00 | Matrix: | WATER |
| Lab Sample ID: | 179604010 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SA1C085 | Project: | SA1C08507 |
| Client ID: | AC1382 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 17:05 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1020 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 0.980 | U | ug/L | 0.196 | 0.980 |
| 86-74-8 | Carbazole | U | 0.980 | | ug/L | 0.196 | 0.980 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.80 | | ug/L | 1.96 | 9.80 |

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604010 **CLIENT ID:** AC1382

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | ~~10~~ 3 ~~3.6~~ U F06 | ug/L | B | | P | 3 | 1 | TRACE2 | 013007-2 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604012

Client ID: AC2382
Batch ID: 606702
Run Date: 02/02/2007 01:01
Prep Date: 02/02/2007 01:01

Date Collected: 01/21/2007 11:00
Date Received: 01/24/2007 14:14
Client: SA1C085
Method: SW846 8260B
Inst: VOA5.I
Analyst: YS1

Matrix: WATER
Project: SA1C08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 4.22 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 45.2 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 11:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604012 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC2382 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/02/2007 01:01 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/02/2007 01:01 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | ~~U~~ | ~~0.377~~ 1.00 F04, | ug/L F06 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 10.9 = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | | |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 11:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604012 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC2382 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 17:47 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1040 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.62 R G03 | ug/L | 0.962 | 9.62 |
| 95-57-8 | 2-Chlorophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 83-32-9 | Acenaphthene | U | 0.962 U | ug/L | 0.298 | 0.962 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 100-02-7 | 4-Nitrophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 87-86-5 | Pentachlorophenol | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 129-00-0 | Pyrene | U | 0.962 | ug/L | 0.288 | 0.962 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.62 | ug/L | 1.92 | 9.62 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 100-51-6 | Benzyl alcohol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 95-48-7 | o-Cresol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 65794-96-9 | m,p-Cresols | U | 9.62 R G03 | ug/L | 2.88 | 9.62 |
| 67-72-1 | Hexachloroethane | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 98-95-3 | Nitrobenzene | U | 9.62 | ug/L | 2.88 | 9.62 |
| 78-59-1 | Isophorone | U | 9.62 | ug/L | 1.92 | 9.62 |
| 88-75-5 | 2-Nitrophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 11:00 | Matrix: | WATER |
| Lab Sample ID: | 179604012 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC2382 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 17:47 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1040 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.62 U | ug/L | 2.88 | 9.62 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 65-85-0 | Benzoic acid | U | 19.2 R G03 | ug/L | 5.77 | 19.2 |
| 91-20-3 | Naphthalene | | 110 = | ug/L | 0.288 | 0.962 |
| 106-47-8 | 4-Chloroaniline | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 87-68-3 | Hexachlorobutadiene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 91-57-6 | 2-Methylnaphthalene | | 22.7 = | ug/L | 0.288 | 0.962 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.62 R G03 | ug/L | 0.962 | 9.62 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.962 U | ug/L | 0.337 | 0.962 |
| 88-74-4 | o-Nitroaniline | U | 9.62 | ug/L | 1.92 | 9.62 |
| 99-09-2 | m-Nitroaniline | U | 9.62 | ug/L | 1.92 | 9.62 |
| 131-11-3 | Dimethylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 208-96-8 | Acenaphthylene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.2 R G03 | ug/L | 9.62 | 19.2 |
| 132-64-9 | Dibenzofuran | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 84-66-2 | Diethylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 86-73-7 | Fluorene | U | 0.962 | ug/L | 0.192 | 0.962 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604012

Client ID: AC2382
Batch ID: 604865
Run Date: 01/26/2007 17:47
Prep Date: 01/25/2007 17:53

Date Collected: 01/21/2007 11:00
Date Received: 01/24/2007 14:14
Client: SA1C085
Method: SW846 8270C
Inst: MSD2.I
Analyst: JMB3
Aliquot: 1040 mL

Matrix: WATER
Project: SA1C08507
SOP Ref: GL-OA-E-009
Dilution: 1
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.62 R G03 | ug/L | 2.88 | 9.62 |
| 100-01-6 | p-Nitroaniline | U | 9.62 U | ug/L | 2.88 | 9.62 |
| 122-39-4 | Diphenylamine | U | 9.62 | ug/L | 2.88 | 9.62 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.62 | ug/L | 1.92 | 9.62 |
| 118-74-1 | Hexachlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 85-01-8 | Phenanthrene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 120-12-7 | Anthracene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 84-74-2 | Di-n-butylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 206-44-0 | Fluoranthene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 85-68-7 | Butylbenzylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 56-55-3 | Benzo(a)anthracene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.62 | ug/L | 0.962 | 9.62 |
| 218-01-9 | Chrysene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 117-84-0 | Di-n-octylphthalate | U | 9.62 | ug/L | 2.88 | 9.62 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 50-32-8 | Benzo(a)pyrene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.962 | ug/L | 0.192 | 0.962 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 11:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604012 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC2382 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.1 | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 17:47 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1040 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 0.962 U | ug/L | 0.192 | 0.962 |
| 86-74-8 | Carbazole | U | 0.962 | ug/L | 0.192 | 0.962 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604012 **CLIENT ID:** AC2382

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3 | ug/L | U | | P | 3 | 1 | TRACE2 | 013007-2 |

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DATA VALIDATION
COPY

# Volatile
## Certificate of Analysis
## Sample Summary

**SDG Number:** 179604
**Lab Sample ID:** 179604011

**Client ID:** AC2482
**Batch ID:** 606702
**Run Date:** 02/02/2007 00:35
**Prep Date:** 02/02/2007 00:35

**Date Collected:** 01/21/2007 09:40
**Date Received:** 01/24/2007 14:14
**Client:** SA1C085
**Method:** SW846 8260B
**Inst:** VOA5.I
**Analyst:** YS1

**Matrix:** WATER
**Project:** SA1C08507
**SOP Ref:** GL-OA-E-038
**Dilution:** 1
**Purge Vol:** 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 4.15 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 13.2 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 09:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604011 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC2482 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 606702 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/02/2007 00:35 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/02/2007 00:35 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 7.63 = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.267 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 09:40 | Matrix: | WATER |
| Lab Sample ID: | 179604011 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SA1C085 | Project: | SA1C08507 |
| Client ID: | AC2482 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 17:26 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1040 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.62 R G03 | ug/L | 0.962 | 9.62 |
| 95-57-8 | 2-Chlorophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 83-32-9 | Acenaphthene | U | 0.962 U | ug/L | 0.298 | 0.962 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 100-02-7 | 4-Nitrophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 87-86-5 | Pentachlorophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 129-00-0 | Pyrene | U | 0.962 U | ug/L | 0.288 | 0.962 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.62 | ug/L | 1.92 | 9.62 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 100-51-6 | Benzyl alcohol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 95-48-7 | o-Cresol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 65794-96-9 | m,p-Cresols | U | 9.62 R G03 | ug/L | 2.88 | 9.62 |
| 67-72-1 | Hexachloroethane | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 98-95-3 | Nitrobenzene | U | 9.62 | ug/L | 2.88 | 9.62 |
| 78-59-1 | Isophorone | U | 9.62 | ug/L | 1.92 | 9.62 |
| 88-75-5 | 2-Nitrophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 09:40 | Matrix: | WATER |
| Lab Sample ID: | 179604011 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SA1C085 | Project: | SA1C08507 |
| Client ID: | AC2482 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 17:26 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1040 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.62 U | ug/L | 2.88 | 9.62 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 65-85-0 | Benzoic acid | U | 19.2 R G03 | ug/L | 5.77 | 19.2 |
| 91-20-3 | Naphthalene | | 28.6 = | ug/L | 0.288 | 0.962 |
| 106-47-8 | 4-Chloroaniline | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 87-68-3 | Hexachlorobutadiene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 91-57-6 | 2-Methylnaphthalene | | 6.91 = | ug/L | 0.288 | 0.962 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.62 R G03 | ug/L | 1.92 | 9.62 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.62 R G03 | ug/L | 0.962 | 9.62 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.962 U | ug/L | 0.337 | 0.962 |
| 88-74-4 | o-Nitroaniline | U | 9.62 | ug/L | 1.92 | 9.62 |
| 99-09-2 | m-Nitroaniline | U | 9.62 | ug/L | 1.92 | 9.62 |
| 131-11-3 | Dimethylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 208-96-8 | Acenaphthylene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.2 R G03 | ug/L | 9.62 | 19.2 |
| 132-64-9 | Dibenzofuran | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 84-66-2 | Diethylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 86-73-7 | Fluorene | U | 0.962 | ug/L | 0.192 | 0.962 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179604 | Date Collected: | 01/21/2007 09:40 | Matrix: | WATER |
| Lab Sample ID: | 179604011 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC2482 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 604865 | Inst: | MSD2.I | Dilution: | 1 |
| Run Date: | 01/26/2007 17:26 | Analyst: | JMB3 | | |
| Prep Date: | 01/25/2007 17:53 | Aliquot: | 1040 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.62 U | ug/L | 1.92 | 9.62 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.62 R G03 | ug/L | 2.88 | 9.62 |
| 100-01-6 | p-Nitroaniline | U | 9.62 U | ug/L | 2.88 | 9.62 |
| 122-39-4 | Diphenylamine | U | 9.62 | ug/L | 2.88 | 9.62 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.62 | ug/L | 1.92 | 9.62 |
| 118-74-1 | Hexachlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 85-01-8 | Phenanthrene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 120-12-7 | Anthracene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 84-74-2 | Di-n-butylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 206-44-0 | Fluoranthene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 85-68-7 | Butylbenzylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 56-55-3 | Benzo(a)anthracene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.62 | ug/L | 0.962 | 9.62 |
| 218-01-9 | Chrysene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 117-84-0 | Di-n-octylphthalate | U | 9.62 | ug/L | 2.88 | 9.62 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 50-32-8 | Benzo(a)pyrene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.962 | ug/L | 0.192 | 0.962 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179604 | **Date Collected:** | 01/21/2007 09:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179604011 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC2482 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 604865 | **Inst:** | MSD2.I | **Dilution:** | 1 |
| **Run Date:** | 01/26/2007 17:26 | **Analyst:** | JMB3 | | |
| **Prep Date:** | 01/25/2007 17:53 | **Aliquot:** | 1040 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(ghi)perylene | U | 0.962 U | ug/L | 0.192 | 0.962 |
| 86-74-8 | Carbazole | U | 0.962 | ug/L | 0.192 | 0.962 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |

DATA VALIDATION

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 179604 **METHOD TYPE:** SW846

**SAMPLE ID:** 179604011 **CLIENT ID:** AC2482

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 24-JAN-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | ~~10.1~~ 3 U F06 | ug/L | B | | P | 3 | 1 | TRACE2 | 013007-2 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604001

Client ID: TH0604
Batch ID: 606702
Run Date: 02/01/2007 20:08
Prep Date: 02/01/2007 20:08

Date Collected: 01/20/2007 07:00
Date Received: 01/24/2007 14:14
Client: SA1C085
Method: SW846 8260B
Inst: VOA5.I
Analyst: YS1

Matrix: WATER
Project: SA1C08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179604
Lab Sample ID: 179604001

Client ID: TH0604
Batch ID: 606702
Run Date: 02/01/2007 20:08
Prep Date: 02/01/2007 20:08

Date Collected: 01/20/2007 07:00
Date Received: 01/24/2007 14:14
Client: SAIC085
Method: SW846 8260B
Inst: VOA5.I
Analyst: YS1

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | J | 0.282 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

SAIC An Employee-Owned Company
Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, TN 37831 (423)481-4600

# CHAIN OF CUSTODY RECORD 179604

COC NO.: FTA007

2 of 3 02

PROJECT NAME: Hunter Fire Training Area

CHARGE NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | VOC | SVOC | Lead | No. of Bottles/ Vials: | SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|
| TH0604 | 01/20/07 | 0700 | WATER | 2 | | | 2 | | |
| AC0682 | 01/20/07 | 1015 | WATER | 2 | 2 | 1 | 5 | | |
| AC1182 | 01/20/07 | 1115 | WATER | 2 | 2 | 1 | 5 | WHP 01/23/07 | |
| AC1184 | 01/20/07 | 1155 | WATER | 2 | 2 | 1 | 5 | 2 | no volume for SVOC, Lead |
| AC0282 | 01/21/07 | 1040 | WATER | 2 | 2 | 1 | 5 | | |
| AC0482 | 01/21/07 | 1155 | WATER | 2 | 2 | 1 | 5 | | |
| AC0486 | 01/21/07 | 1100 | WATER | 2 | 2 | 1 | 5 | | |
| AC0882 | 01/21/07 | 1335 | WATER | 2 | 2 | 1 | 5 | | |
| AC0982 | 01/21/07 | 1440 | WATER | 2 | 2 | 1 | 5 | | |
| AC1382 | 01/21/07 | 1600 | WATER | 2 | 2 | 1 | 5 | | |
| AC2482 | 01/21/07 | 0940 | WATER | 2 | 2 | 1 | 5 | | |
| AC2382 | 01/21/07 | 1100 | WATER | 2 | 2 | 1 | 5 | WHP 01/23/07 | |
| AC1082 | 01/21/07 | 1520 | WATER | 2 | 2 | 1 | 5 | | |

IV-92

| | Date/Time | | Date/Time | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: Wayne H. Parker | 01/24/07 1120 | RECEIVED BY: Tara Sizemore | 1-24-07 1414 | TOTAL NUMBER OF CONTAINERS: 62 | Cooler Temperature: 2 °C |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | Cooler ID: 59 | FEDEX NUMBER: |
| RECEIVED BY: Ben Watson | 01/24/07 1120 | RELINQUISHED BY: | | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Watson | 1/24/07 1414 | RECEIVED BY: | | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |

# DAACG CHLORINATED SOLVENTS AREA

## JANUARY 2007

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 12:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616002 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0162 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 01/31/2007 21:13 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 01/31/2007 21:13 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | J | 0.691 J | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.18 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 12:30** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616002** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SA1C085** | **Project:** | **SA1C08507** |
| **Client ID:** | **AS0162** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **01/31/2007 21:13** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **01/31/2007 21:13** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | J | 0.806 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 42.8 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 4.72 = | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 12:30** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616003** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AS0164** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **01/31/2007 21:39** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **01/31/2007 21:39** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | J | 0.720 J | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.16 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

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## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 12:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616003 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0164 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 01/31/2007 21:39 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 01/31/2007 21:39 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | J | 0.734 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 43.6 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 4.60 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179616 | Date Collected: | 01/20/2007 11:55 | Matrix: | WATER |
| Lab Sample ID: | 179616001 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AS0262 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 605918 | Inst: | VOA5.I | Dilution: | 1 |
| Run Date: | 01/30/2007 08:30 | Analyst: | DXK1 | Purge Vol: | 5 mL |
| Prep Date: | 01/30/2007 08:30 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 2.42 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 3.14 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 11:55** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616001** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AS0262** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **01/30/2007 08:30** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **01/30/2007 08:30** | | | | |

USP

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | J | 0.311 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | J | 248 ~~235~~ = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179616
Lab Sample ID: 179616004

Client ID: AS0362
Batch ID: 605918
Run Date: 01/30/2007 09:49
Prep Date: 01/30/2007 09:49

Date Collected: 01/20/2007 13:00
Date Received: 01/24/2007 14:14
Client: SAIC085
Method: SW846 8260B
Inst: VOA5.I
Analyst: DXK1

Matrix: WATER
Project: SA1C08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | D E | 388 ~~332~~ = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 3.12 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 3.24 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | J | 0.681 J | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 5.77 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |



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## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 13:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616004 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0362 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2007 09:49 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 01/30/2007 09:49 | | | | |

USR

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | | 27.3 = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | J | 0.428 J | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 U | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.400 J | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 4440 ~~1970~~ = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.751 J | ug/L | 0.250 | 1.00 |



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# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 14:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616007 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0462 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2007 11:09 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 01/30/2007 11:09 | | | | |

USD

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 u | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 33.4 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 u | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 1.60 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 u | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 2.07 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | | 1.18 = | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 u | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |



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## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 14:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616007 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AS0462 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2007 11:09 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 01/30/2007 11:09 | | | | |

USP

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | J | 0.326 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 898 ~~788~~ = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 13:30** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616005** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AS0562** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **01/31/2007 22:06** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **01/31/2007 22:06** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 2.37 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 13:30** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616005** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SA1C085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AS0562** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **01/31/2007 22:06** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **01/31/2007 22:06** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | J | 0.332 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 36.9 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 13:50 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616006 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0662 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 02/01/2007 03:25 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/01/2007 03:25 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | J | 0.503 J | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 13:50** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616006** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SA1C085** | **Project:** | **SA1C08507** |
| **Client ID:** | **AS0662** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **02/01/2007 03:25** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **02/01/2007 03:25** | | | | |

USD

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 109 ~~110~~ = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION

**Volatile**
**Certificate of Analysis**
**Sample Summary**

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 14:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616009 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0762 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2007 12:02 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 01/30/2007 12:02 | | | | |

USD

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | J | 0.877 J | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 5.38 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.10 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.295 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 14:55** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616009** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SA1C085** | **Project:** | **SA1C08507** |
| **Client ID:** | **AS0762** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **01/30/2007 12:02** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **01/30/2007 12:02** | | | | |

USR

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | J | 0.758 | J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 1500 ~~1470~~ | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 14:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616010 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0764 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2007 12:28 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 01/30/2007 12:28 | | | | |

USG

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | J | 0.901 J | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 5.27 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.06 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.287 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 14:55** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616010** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AS0764** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **01/30/2007 12:28** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **01/30/2007 12:28** | | | | |

USE

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | J | 0.754 | J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 1340 ~~1110~~ | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 179616 | Date Collected: | 01/20/2007 14:35 | Matrix: | WATER |
| Lab Sample ID: | 179616008 | Date Received: | 01/24/2007 14:14 | | |
| | | Client: | SA1C085 | Project: | SA1C08507 |
| Client ID: | AS0862 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 605918 | Inst: | VOA5.I | Dilution: | 1 |
| Run Date: | 01/31/2007 22:33 | Analyst: | DXK1 | Purge Vol: | 5 mL |
| Prep Date: | 01/31/2007 22:33 | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 14:35** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616008** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AS0862** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **01/31/2007 22:33** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **01/31/2007 22:33** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 6.55 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 16:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616012 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AS1462 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2007 13:22 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 01/30/2007 13:22 | | | | |

USR

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | J | 0.538 J | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **179616** | **Date Collected:** | **01/20/2007 16:20** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **179616012** | **Date Received:** | **01/24/2007 14:14** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AS1462** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **605918** | **Inst:** | **VOA5.I** | **Dilution:** | **1** |
| **Run Date:** | **01/30/2007 13:22** | **Analyst:** | **DXK1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **01/30/2007 13:22** | | | | |

USP

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 130 ~~125~~ = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 179616
Lab Sample ID: 179616011

Client ID: AS2162
Batch ID: 605918
Run Date: 01/30/2007 12:55
Prep Date: 01/30/2007 12:55

Date Collected: 01/20/2007 15:35
Date Received: 01/24/2007 14:14
Client: SAIC085
Method: SW846 8260B
Inst: VOA5.I
Analyst: DXK1

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

USE

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 10.8 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 2.47 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 3.46 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | | 19.8 = | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.22 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.419 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 179616 | **Date Collected:** | 01/20/2007 15:35 | **Matrix:** | WATER |
| **Lab Sample ID:** | 179616011 | **Date Received:** | 01/24/2007 14:14 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS2162 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 605918 | **Inst:** | VOA5.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2007 12:55 | **Analyst:** | DXK1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 01/30/2007 12:55 | | | | |

USR

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | J | 0.371 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | J | 0.294 J | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 1170 ~~962~~ = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

SAIC An Employee-Owned Company
Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, TN 37831 (423)481-4600

179616

# CHAIN OF CUSTODY RECORD

COC NO.: DAG013

(3 of 3)

PROJECT NAME: Hunter DAACG Chlorinated Solvent Plume

CHARGE NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | REQUESTED PARAMETERS: VOC | No. of Bottles/ Vials: | SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|
| AS0262 | 01/20/07 | 1155 | WATER | 2 | 2 | | |
| AS0162 | 01/20/07 | 1230 | WATER | 2 | 2 | | |
| AS0164 | 01/20/07 | 1230 | WATER | 2 | 2 | | |
| AS0362 | 01/20/07 | 1300 | WATER | 2 | 2 | | |
| AS0562 | 01/20/07 | 1330 | WATER | 2 | 2 | | |
| AS0662 | 01/20/07 | 1350 | WATER | 2 | 2 | | |
| AS0462 | 01/20/07 | 1410 | WATER | 2 | 2 | | |
| AS0862 | 01/20/07 | 1435 | WATER | 2 | 2 | | |
| AS0762 | 01/20/07 | 1455 | WATER | 2 | 2 | | |
| AS0764 | 01/20/07 | 1455 | WATER | 2 | 2 | | |
| AS2162 | 01/20/07 | 1535 | WATER | 2 | 2 | | |
| AS1462 | 01/20/07 | 1620 | WATER | 2 | 2 | | |

IV-119

| | Date/Time | | Date/Time | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: Wayne H. Parker | 01/24/07 1120 | RECEIVED BY: Tim Sato | 1-24-07 1414 | TOTAL NUMBER OF CONTAINERS: 24 | Cooler Temperature: 2 °C |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | Cooler ID: | FEDEX NUMBER: |
| RECEIVED BY: Ben Watkins | 01/24/07 1120 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Watkins | 1/24/07 1414 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |

# FORMER FIRE TRAINING AREA

# JULY 2007

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189637 | **Date Collected:** | 07/13/2007 16:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189637001 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0292 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653124 | **Inst:** | VOA9.I | **Dilution:** | 1 |
| **Run Date:** | 07/21/2007 10:20 | **Analyst:** | GRB2 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/21/2007 10:20 | | | | |
| **Data File:** | 9t613.d | **Column:** | RTX-Volatiles | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 189637 | Date Collected: | 07/13/2007 16:25 | Matrix: | WATER |
| Lab Sample ID: | 189637001 | Date Received: | 07/16/2007 14:20 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC0292 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 651470 | Inst: | MSD4.I | Dilution: | 1 |
| Run Date: | 07/18/2007 05:28 | Analyst: | AGS1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/17/2007 12:48 | Aliquot: | 980 mL | Final Volume: | .95 mL |
| Data File: | s4g1731.d | Column: | J&W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.69 U | ug/L | 0.969 | 9.69 |
| 95-57-8 | 2-Chlorophenol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.69 | ug/L | 1.94 | 9.69 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.69 | ug/L | 1.94 | 9.69 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 83-32-9 | Acenaphthene | U | 0.969 | ug/L | 0.301 | 0.969 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.69 | ug/L | 1.94 | 9.69 |
| 100-02-7 | 4-Nitrophenol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 87-86-5 | Pentachlorophenol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 129-00-0 | Pyrene | U | 0.969 | ug/L | 0.291 | 0.969 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.69 | ug/L | 1.94 | 9.69 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.69 | ug/L | 1.94 | 9.69 |
| 100-51-6 | Benzyl alcohol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.69 | ug/L | 1.94 | 9.69 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.69 | ug/L | 1.94 | 9.69 |
| 95-48-7 | o-Cresol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 65794-96-9 | m,p-Cresols | U | 9.69 | ug/L | 2.91 | 9.69 |
| 67-72-1 | Hexachloroethane | U | 9.69 | ug/L | 1.94 | 9.69 |
| 98-95-3 | Nitrobenzene | U | 9.69 | ug/L | 2.91 | 9.69 |
| 78-59-1 | Isophorone | U | 9.69 | ug/L | 1.94 | 9.69 |
| 88-75-5 | 2-Nitrophenol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.69 | ug/L | 2.91 | 9.69 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 65-85-0 | Benzoic acid | U | 19.4 | ug/L | 5.82 | 19.4 |
| 91-20-3 | Naphthalene | U | 0.969 | ug/L | 0.291 | 0.969 |
| 106-47-8 | 4-Chloroaniline | U | 9.69 | ug/L | 1.94 | 9.69 |
| 87-68-3 | Hexachlorobutadiene | U | 9.69 | ug/L | 1.94 | 9.69 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.969 | ug/L | 0.291 | 0.969 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.69 | ug/L | 1.94 | 9.69 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.69 | ug/L | 1.94 | 9.69 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.69 | ug/L | 0.969 | 9.69 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.969 | ug/L | 0.339 | 0.969 |
| 88-74-4 | o-Nitroaniline | U | 9.69 | ug/L | 1.94 | 9.69 |
| 99-09-2 | m-Nitroaniline | U | 9.69 | ug/L | 1.94 | 9.69 |
| 131-11-3 | Dimethylphthalate | U | 9.69 | ug/L | 1.94 | 9.69 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.69 | ug/L | 1.94 | 9.69 |
| 208-96-8 | Acenaphthylene | U | 0.969 | ug/L | 0.194 | 0.969 |



DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189637 | **Date Collected:** | 07/13/2007 16:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189637001 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0292 | **Method:** | SW846 8270C | **SOP Ref:** | GL–OA–E–009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/18/2007 05:28 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 980 mL | **Final Volume:** | .95 mL |
| **Data File:** | s4g1731.d | **Column:** | J&W DB–5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51–28–5 | 2,4–Dinitrophenol | U | 19.4 U | ug/L | 9.69 | 19.4 |
| 132–64–9 | Dibenzofuran | U | 9.69 | ug/L | 1.94 | 9.69 |
| 84–66–2 | Diethylphthalate | U | 9.69 | ug/L | 1.94 | 9.69 |
| 86–73–7 | Fluorene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 7005–72–3 | 4–Chlorophenylphenylether | U | 9.69 | ug/L | 1.94 | 9.69 |
| 534–52–1 | 2–Methyl–4,6–dinitrophenol | U | 9.69 | ug/L | 2.91 | 9.69 |
| 100–01–6 | p–Nitroaniline | U | 9.69 | ug/L | 2.91 | 9.69 |
| 122–39–4 | Diphenylamine | U | 9.69 | ug/L | 2.91 | 9.69 |
| 101–55–3 | 4–Bromophenylphenylether | U | 9.69 | ug/L | 1.94 | 9.69 |
| 118–74–1 | Hexachlorobenzene | U | 9.69 | ug/L | 1.94 | 9.69 |
| 85–01–8 | Phenanthrene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 120–12–7 | Anthracene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 84–74–2 | Di–n–butylphthalate | U | 9.69 | ug/L | 1.94 | 9.69 |
| 206–44–0 | Fluoranthene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 85–68–7 | Butylbenzylphthalate | U | 9.69 | ug/L | 1.94 | 9.69 |
| 56–55–3 | Benzo(a)anthracene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 91–94–1 | 3,3'–Dichlorobenzidine | U | 9.69 | ug/L | 0.969 | 9.69 |
| 218–01–9 | Chrysene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 117–81–7 | bis(2–Ethylhexyl)phthalate | J | 2.26 J | ug/L | 1.94 | 9.69 |
| 117–84–0 | Di–n–octylphthalate | U | 9.69 U | ug/L | 2.91 | 9.69 |
| 205–99–2 | Benzo(b)fluoranthene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 207–08–9 | Benzo(k)fluoranthene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 50–32–8 | Benzo(a)pyrene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 193–39–5 | Indeno(1,2,3–cd)pyrene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 53–70–3 | Dibenzo(a,h)anthracene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 191–24–2 | Benzo(ghi)perylene | U | 0.969 | ug/L | 0.194 | 0.969 |
| 86–74–8 | Carbazole | U | 0.969 | ug/L | 0.194 | 0.969 |
| 120–82–1 | 1,2,4–Trichlorobenzene | U | 9.69 | ug/L | 1.94 | 9.69 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189637 **METHOD TYPE:** SW846

**SAMPLE ID:** 189637001 **CLIENT ID:** AC0292

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 16-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | U | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072707-1 |

DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 14:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552001 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0492 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653406 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 07/24/2007 01:08 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/24/2007 01:08 | | | | |
| **Data File:** | 2u140.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 u | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 14:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552001 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0492 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/18/2007 00:42 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 1030 mL | **Final Volume:** | 1 mL |
| **Data File:** | s4g1718.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.71 U | ug/L | 0.971 | 9.71 |
| 95-57-8 | 2-Chlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.71 | ug/L | 1.94 | 9.71 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 83-32-9 | Acenaphthene | U | 0.971 | ug/L | 0.301 | 0.971 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-02-7 | 4-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 87-86-5 | Pentachlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 129-00-0 | Pyrene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 100-51-6 | Benzyl alcohol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-48-7 | o-Cresol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65794-96-9 | m,p-Cresols | U | 9.71 | ug/L | 2.91 | 9.71 |
| 67-72-1 | Hexachloroethane | U | 9.71 | ug/L | 1.94 | 9.71 |
| 98-95-3 | Nitrobenzene | U | 9.71 | ug/L | 2.91 | 9.71 |
| 78-59-1 | Isophorone | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-75-5 | 2-Nitrophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.71 | ug/L | 2.91 | 9.71 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 65-85-0 | Benzoic acid | U | 19.4 | ug/L | 5.83 | 19.4 |
| 91-20-3 | Naphthalene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 106-47-8 | 4-Chloroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 87-68-3 | Hexachlorobutadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.971 | ug/L | 0.291 | 0.971 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.71 | ug/L | 1.94 | 9.71 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.71 | ug/L | 0.971 | 9.71 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.971 | ug/L | 0.340 | 0.971 |
| 88-74-4 | o-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 99-09-2 | m-Nitroaniline | U | 9.71 | ug/L | 1.94 | 9.71 |
| 131-11-3 | Dimethylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 208-96-8 | Acenaphthylene | U | 0.971 | ug/L | 0.194 | 0.971 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 14:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552001 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0492 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/18/2007 00:42 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 1030 mL | **Final Volume:** | 1 mL |
| **Data File:** | s4g1718.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 19.4 U | ug/L | 9.71 | 19.4 |
| 132-64-9 | Dibenzofuran | U | 9.71 | ug/L | 1.94 | 9.71 |
| 84-66-2 | Diethylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 86-73-7 | Fluorene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.71 | ug/L | 2.91 | 9.71 |
| 100-01-6 | p-Nitroaniline | U | 9.71 | ug/L | 2.91 | 9.71 |
| 122-39-4 | Diphenylamine | U | 9.71 | ug/L | 2.91 | 9.71 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.71 | ug/L | 1.94 | 9.71 |
| 118-74-1 | Hexachlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |
| 85-01-8 | Phenanthrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 120-12-7 | Anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 84-74-2 | Di-n-butylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 206-44-0 | Fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 85-68-7 | Butylbenzylphthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 56-55-3 | Benzo(a)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.71 | ug/L | 0.971 | 9.71 |
| 218-01-9 | Chrysene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.71 | ug/L | 1.94 | 9.71 |
| 117-84-0 | Di-n-octylphthalate | U | 9.71 | ug/L | 2.91 | 9.71 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 50-32-8 | Benzo(a)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.971 | ug/L | 0.194 | 0.971 |
| 86-74-8 | Carbazole | U | 0.971 | ug/L | 0.194 | 0.971 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.71 | ug/L | 1.94 | 9.71 |

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 189552 **METHOD TYPE:** SW846

**SAMPLE ID:** 189552001 **CLIENT ID:** AC0492

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 13-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | U | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 13:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552003 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0496 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653406 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 07/26/2007 11:05 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/26/2007 11:05 | | | | |
| **Data File:** | 2u406.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 13:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552003 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC0496 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/18/2007 01:26 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 1030 mL | **Final Volume:** | .92 mL |
| **Data File:** | s4g1720.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 8.93 U | ug/L | 0.893 | 8.93 |
| 95-57-8 | 2-Chlorophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 621-64-7 | N-Nitrosodipropylamine | U | 8.93 | ug/L | 1.79 | 8.93 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 83-32-9 | Acenaphthene | U | 0.893 | ug/L | 0.277 | 0.893 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 100-02-7 | 4-Nitrophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 87-86-5 | Pentachlorophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 129-00-0 | Pyrene | U | 0.893 | ug/L | 0.268 | 0.893 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 8.93 | ug/L | 1.79 | 8.93 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 100-51-6 | Benzyl alcohol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 8.93 | ug/L | 1.79 | 8.93 |
| 95-48-7 | o-Cresol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 65794-96-9 | m,p-Cresols | U | 8.93 | ug/L | 2.68 | 8.93 |
| 67-72-1 | Hexachloroethane | U | 8.93 | ug/L | 1.79 | 8.93 |
| 98-95-3 | Nitrobenzene | U | 8.93 | ug/L | 2.68 | 8.93 |
| 78-59-1 | Isophorone | U | 8.93 | ug/L | 1.79 | 8.93 |
| 88-75-5 | 2-Nitrophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 105-67-9 | 2,4-Dimethylphenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 8.93 | ug/L | 2.68 | 8.93 |
| 120-83-2 | 2,4-Dichlorophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 65-85-0 | Benzoic acid | J | 7.48 J | ug/L | 5.36 | 17.9 |
| 91-20-3 | Naphthalene | U | 0.893 U | ug/L | 0.268 | 0.893 |
| 106-47-8 | 4-Chloroaniline | U | 8.93 | ug/L | 1.79 | 8.93 |
| 87-68-3 | Hexachlorobutadiene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.893 | ug/L | 0.268 | 0.893 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 8.93 | ug/L | 0.893 | 8.93 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.893 | ug/L | 0.313 | 0.893 |
| 88-74-4 | o-Nitroaniline | U | 8.93 | ug/L | 1.79 | 8.93 |
| 99-09-2 | m-Nitroaniline | U | 8.93 | ug/L | 1.79 | 8.93 |
| 131-11-3 | Dimethylphthalate | U | 8.93 | ug/L | 1.79 | 8.93 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 208-96-8 | Acenaphthylene | U | 0.893 | ug/L | 0.179 | 0.893 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **189552** | **Date Collected:** | **07/12/2007 13:00** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **189552003** | **Date Received:** | **07/13/2007 14:50** | | |
| | | **Client:** | **SA1C085** | **Project:** | **SA1C08507** |
| **Client ID:** | **AC0496** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **651470** | **Inst:** | **MSD4.I** | **Dilution:** | **1** |
| **Run Date:** | **07/18/2007 01:26** | **Analyst:** | **AGS1** | **Inj. Vol:** | **.5 uL** |
| **Prep Date:** | **07/17/2007 12:48** | **Aliquot:** | **1030 mL** | **Final Volume:** | **.92 mL** |
| **Data File:** | **s4g1720.d** | **Column:** | **J&W DB-5MS** | **Level:** | **LOW** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 17.9 U | ug/L | 8.93 | 17.9 |
| 132-64-9 | Dibenzofuran | U | 8.93 U | ug/L | 1.79 | 8.93 |
| 84-66-2 | Diethylphthalate | J | 2.90 J | ug/L | 1.79 | 8.93 |
| 86-73-7 | Fluorene | U | 0.893 U | ug/L | 0.179 | 0.893 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 8.93 | ug/L | 1.79 | 8.93 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 8.93 | ug/L | 2.68 | 8.93 |
| 100-01-6 | p-Nitroaniline | U | 8.93 | ug/L | 2.68 | 8.93 |
| 122-39-4 | Diphenylamine | U | 8.93 | ug/L | 2.68 | 8.93 |
| 101-55-3 | 4-Bromophenylphenylether | U | 8.93 | ug/L | 1.79 | 8.93 |
| 118-74-1 | Hexachlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 85-01-8 | Phenanthrene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 120-12-7 | Anthracene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 84-74-2 | Di-n-butylphthalate | U | 8.93 | ug/L | 1.79 | 8.93 |
| 206-44-0 | Fluoranthene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 85-68-7 | Butylbenzylphthalate | U | 8.93 | ug/L | 1.79 | 8.93 |
| 56-55-3 | Benzo(a)anthracene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 8.93 | ug/L | 0.893 | 8.93 |
| 218-01-9 | Chrysene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | | 28.5 = | ug/L | 1.79 | 8.93 |
| 117-84-0 | Di-n-octylphthalate | U | 8.93 U | ug/L | 2.68 | 8.93 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 50-32-8 | Benzo(a)pyrene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 86-74-8 | Carbazole | U | 0.893 | ug/L | 0.179 | 0.893 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189552 **METHOD TYPE:** SW846

**SAMPLE ID:** 189552003 **CLIENT ID:** AC0496

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 13-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | U | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

DATA VALIDATION
COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 189465 | Date Collected: | 07/11/2007 17:25 | Matrix: | WATER |
| Lab Sample ID: | 189465001 | Date Received: | 07/12/2007 13:00 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC0692 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 652916 | Inst: | VOA2.I | Dilution: | 1 |
| Run Date: | 07/20/2007 11:08 | Analyst: | CDS1 | Purge Vol: | 5 mL |
| Prep Date: | 07/20/2007 11:08 | | | | |
| Data File: | 2t510.d | Column: | DB-624 | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.21 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 4.40 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 1634-04-4 | tert-Butyl methyl ether | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 30.4 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.563 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 5.37 = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 1.45 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.827 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189465 | **Date Collected:** | 07/11/2007 17:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189465001 | **Date Received:** | 07/12/2007 13:00 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0692 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 652429 | **Inst:** | MSD1.I | **Dilution:** | 1 |
| **Run Date:** | 07/20/2007 09:35 | **Analyst:** | CAK | **Inj. Vol:** | .5 uL |
| **Prep Date:** | * 07/19/2007 17:33 - 1 DAY OUT. | **Aliquot:** | 1020 mL | **Final Volume:** | 1 mL |
| **Data File:** | s1g2009.d | **Column:** | Phenomenex ZB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | Uh | 9.80 UJ | ug/L A01 | 0.980 | 9.80 |
| 95-57-8 | 2-Chlorophenol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 106-46-7 | 1,4-Dichlorobenzene | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 621-64-7 | N-Nitrosodipropylamine | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 59-50-7 | 4-Chloro-3-methylphenol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 83-32-9 | Acenaphthene | Uh | 0.980 | ug/L | 0.304 | 0.980 |
| 121-14-2 | 2,4-Dinitrotoluene | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 100-02-7 | 4-Nitrophenol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 87-86-5 | Pentachlorophenol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 129-00-0 | Pyrene | Uh | 0.980 | ug/L | 0.294 | 0.980 |
| 111-44-4 | bis(2-Chloroethyl) ether | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 541-73-1 | 1,3-Dichlorobenzene | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 100-51-6 | Benzyl alcohol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 95-50-1 | 1,2-Dichlorobenzene | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 95-48-7 | o-Cresol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 65794-96-9 | m,p-Cresols | Uh | 9.80 | ug/L | 2.94 | 9.80 |
| 67-72-1 | Hexachloroethane | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 98-95-3 | Nitrobenzene | Uh | 9.80 | ug/L | 2.94 | 9.80 |
| 78-59-1 | Isophorone | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 88-75-5 | 2-Nitrophenol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 105-67-9 | 2,4-Dimethylphenol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 111-91-1 | bis(2-Chloroethoxy)methane | Uh | 9.80 | ug/L | 2.94 | 9.80 |
| 120-83-2 | 2,4-Dichlorophenol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 65-85-0 | Benzoic acid | Uh | 19.6 | ug/L | 5.88 | 19.6 |
| 91-20-3 | Naphthalene | Uh | 0.980 | ug/L | 0.294 | 0.980 |
| 106-47-8 | 4-Chloroaniline | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 87-68-3 | Hexachlorobutadiene | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 91-57-6 | 2-Methylnaphthalene | Uh | 0.980 | ug/L | 0.294 | 0.980 |
| 77-47-4 | Hexachlorocyclopentadiene | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 88-06-2 | 2,4,6-Trichlorophenol | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 95-95-4 | 2,4,5-Trichlorophenol | Uh | 9.80 | ug/L | 0.980 | 9.80 |
| 91-58-7 | 2-Chloronaphthalene | Uh | 0.980 | ug/L | 0.343 | 0.980 |
| 88-74-4 | o-Nitroaniline | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 99-09-2 | m-Nitroaniline | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 131-11-3 | Dimethylphthalate | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 606-20-2 | 2,6-Dinitrotoluene | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 208-96-8 | Acenaphthylene | Uh | 0.980 | ug/L | 0.196 | 0.980 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189465 | **Date Collected:** | 07/11/2007 17:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189465001 | **Date Received:** | 07/12/2007 13:00 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0692 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 652429 | **Inst:** | MSD1.I | **Dilution:** | 1 |
| **Run Date:** | 07/20/2007 09:35 | **Analyst:** | CAK | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/19/2007 17:33 4 1 DAY OUT | **Aliquot:** | 1020 mL | **Final Volume:** | 1 mL |
| **Data File:** | s1g2009.d | **Column:** | Phenomenex ZB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | Uh | 19.6 U5 | ug/L A01 | 9.80 | 19.6 |
| 132-64-9 | Dibenzofuran | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 84-66-2 | Diethylphthalate | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 86-73-7 | Fluorene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 7005-72-3 | 4-Chlorophenylphenylether | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | Uh | 9.80 | ug/L | 2.94 | 9.80 |
| 100-01-6 | p-Nitroaniline | Uh | 9.80 | ug/L | 2.94 | 9.80 |
| 122-39-4 | Diphenylamine | Uh | 9.80 | ug/L | 2.94 | 9.80 |
| 101-55-3 | 4-Bromophenylphenylether | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 118-74-1 | Hexachlorobenzene | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 85-01-8 | Phenanthrene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 120-12-7 | Anthracene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 84-74-2 | Di-n-butylphthalate | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 206-44-0 | Fluoranthene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 85-68-7 | Butylbenzylphthalate | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 56-55-3 | Benzo(a)anthracene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 91-94-1 | 3,3'-Dichlorobenzidine | Uh | 9.80 | ug/L | 0.980 | 9.80 |
| 218-01-9 | Chrysene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | Uh | 9.80 | ug/L | 1.96 | 9.80 |
| 117-84-0 | Di-n-octylphthalate | Uh | 9.80 | ug/L | 2.94 | 9.80 |
| 205-99-2 | Benzo(b)fluoranthene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 207-08-9 | Benzo(k)fluoranthene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 50-32-8 | Benzo(a)pyrene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 53-70-3 | Dibenzo(a,h)anthracene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 191-24-2 | Benzo(ghi)perylene | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 86-74-8 | Carbazole | Uh | 0.980 | ug/L | 0.196 | 0.980 |
| 120-82-1 | 1,2,4-Trichlorobenzene | Uh | 9.80 | ug/L | 1.96 | 9.80 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189465 **METHOD TYPE:** SW846

**SAMPLE ID:** 189465001 **CLIENT ID:** AC0692

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 12-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

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DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 12:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552004 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC0892 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653406 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 07/24/2007 02:36 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/24/2007 02:36 | | | | |
| **Data File:** | 2u143.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | J | 0.538 J | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 12:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552004 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0892 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/18/2007 01:48 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 1030 mL | **Final Volume:** | .97 mL |
| **Data File:** | s4g1721.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.42 U | ug/L | 0.942 | 9.42 |
| 95-57-8 | 2-Chlorophenol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.42 | ug/L | 1.88 | 9.42 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.42 | ug/L | 1.88 | 9.42 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 83-32-9 | Acenaphthene | U | 0.942 | ug/L | 0.292 | 0.942 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.42 | ug/L | 1.88 | 9.42 |
| 100-02-7 | 4-Nitrophenol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 87-86-5 | Pentachlorophenol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 129-00-0 | Pyrene | U | 0.942 | ug/L | 0.283 | 0.942 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.42 | ug/L | 1.88 | 9.42 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.42 | ug/L | 1.88 | 9.42 |
| 100-51-6 | Benzyl alcohol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.42 | ug/L | 1.88 | 9.42 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.42 | ug/L | 1.88 | 9.42 |
| 95-48-7 | o-Cresol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 65794-96-9 | m,p-Cresols | U | 9.42 | ug/L | 2.83 | 9.42 |
| 67-72-1 | Hexachloroethane | U | 9.42 | ug/L | 1.88 | 9.42 |
| 98-95-3 | Nitrobenzene | U | 9.42 | ug/L | 2.83 | 9.42 |
| 78-59-1 | Isophorone | U | 9.42 | ug/L | 1.88 | 9.42 |
| 88-75-5 | 2-Nitrophenol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.42 | ug/L | 2.83 | 9.42 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 65-85-0 | Benzoic acid | U | 18.8 | ug/L | 5.65 | 18.8 |
| 91-20-3 | Naphthalene | U | 0.942 | ug/L | 0.283 | 0.942 |
| 106-47-8 | 4-Chloroaniline | U | 9.42 | ug/L | 1.88 | 9.42 |
| 87-68-3 | Hexachlorobutadiene | U | 9.42 | ug/L | 1.88 | 9.42 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.942 | ug/L | 0.283 | 0.942 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.42 | ug/L | 1.88 | 9.42 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.42 | ug/L | 1.88 | 9.42 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.42 | ug/L | 0.942 | 9.42 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.942 | ug/L | 0.330 | 0.942 |
| 88-74-4 | o-Nitroaniline | U | 9.42 | ug/L | 1.88 | 9.42 |
| 99-09-2 | m-Nitroaniline | U | 9.42 | ug/L | 1.88 | 9.42 |
| 131-11-3 | Dimethylphthalate | U | 9.42 | ug/L | 1.88 | 9.42 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.42 | ug/L | 1.88 | 9.42 |
| 208-96-8 | Acenaphthylene | U | 0.942 | ug/L | 0.188 | 0.942 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 12:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552004 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SA1C085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0892 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/18/2007 01:48 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 1030 mL | **Final Volume:** | .97 mL |
| **Data File:** | s4g1721.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 18.8 U | ug/L | 9.42 | 18.8 |
| 132-64-9 | Dibenzofuran | U | 9.42 | ug/L | 1.88 | 9.42 |
| 84-66-2 | Diethylphthalate | U | 9.42 | ug/L | 1.88 | 9.42 |
| 86-73-7 | Fluorene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.42 | ug/L | 1.88 | 9.42 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.42 | ug/L | 2.83 | 9.42 |
| 100-01-6 | p-Nitroaniline | U | 9.42 | ug/L | 2.83 | 9.42 |
| 122-39-4 | Diphenylamine | U | 9.42 | ug/L | 2.83 | 9.42 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.42 | ug/L | 1.88 | 9.42 |
| 118-74-1 | Hexachlorobenzene | U | 9.42 | ug/L | 1.88 | 9.42 |
| 85-01-8 | Phenanthrene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 120-12-7 | Anthracene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 84-74-2 | Di-n-butylphthalate | U | 9.42 | ug/L | 1.88 | 9.42 |
| 206-44-0 | Fluoranthene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 85-68-7 | Butylbenzylphthalate | U | 9.42 | ug/L | 1.88 | 9.42 |
| 56-55-3 | Benzo(a)anthracene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.42 | ug/L | 0.942 | 9.42 |
| 218-01-9 | Chrysene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.42 | ug/L | 1.88 | 9.42 |
| 117-84-0 | Di-n-octylphthalate | U | 9.42 | ug/L | 2.83 | 9.42 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 50-32-8 | Benzo(a)pyrene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.942 | ug/L | 0.188 | 0.942 |
| 86-74-8 | Carbazole | U | 0.942 | ug/L | 0.188 | 0.942 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.42 | ug/L | 1.88 | 9.42 |

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189552 **METHOD TYPE:** SW846

**SAMPLE ID:** 189552004 **CLIENT ID:** AC0892

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 13-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | u | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

DATA VALIDATION

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 13:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552008 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0992 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653406 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 07/24/2007 04:34 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/24/2007 04:34 | | | | |
| **Data File:** | 2u147.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | | 27.1 = | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 5.03 = | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 13:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552008 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC0992 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/18/2007 03:16 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 950 mL | **Final Volume:** | .9 mL |
| **Data File:** | s4g1725.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.47 U | ug/L | 0.947 | 9.47 |
| 95-57-8 | 2-Chlorophenol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.47 | ug/L | 1.89 | 9.47 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.47 | ug/L | 1.89 | 9.47 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 83-32-9 | Acenaphthene | U | 0.947 | ug/L | 0.294 | 0.947 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.47 | ug/L | 1.89 | 9.47 |
| 100-02-7 | 4-Nitrophenol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 87-86-5 | Pentachlorophenol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 129-00-0 | Pyrene | U | 0.947 | ug/L | 0.284 | 0.947 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.47 | ug/L | 1.89 | 9.47 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.47 | ug/L | 1.89 | 9.47 |
| 100-51-6 | Benzyl alcohol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.47 | ug/L | 1.89 | 9.47 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.47 | ug/L | 1.89 | 9.47 |
| 95-48-7 | o-Cresol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 65794-96-9 | m,p-Cresols | U | 9.47 | ug/L | 2.84 | 9.47 |
| 67-72-1 | Hexachloroethane | U | 9.47 | ug/L | 1.89 | 9.47 |
| 98-95-3 | Nitrobenzene | U | 9.47 | ug/L | 2.84 | 9.47 |
| 78-59-1 | Isophorone | U | 9.47 | ug/L | 1.89 | 9.47 |
| 88-75-5 | 2-Nitrophenol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.47 | ug/L | 2.84 | 9.47 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 65-85-0 | Benzoic acid | U | 18.9 | ug/L | 5.68 | 18.9 |
| 91-20-3 | Naphthalene | | 48.5 = | ug/L | 0.284 | 0.947 |
| 106-47-8 | 4-Chloroaniline | U | 9.47 U | ug/L | 1.89 | 9.47 |
| 87-68-3 | Hexachlorobutadiene | U | 9.47 U | ug/L | 1.89 | 9.47 |
| 91-57-6 | 2-Methylnaphthalene | | 6.07 = | ug/L | 0.284 | 0.947 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.47 U | ug/L | 1.89 | 9.47 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.47 | ug/L | 1.89 | 9.47 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.47 | ug/L | 0.947 | 9.47 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.947 | ug/L | 0.332 | 0.947 |
| 88-74-4 | o-Nitroaniline | U | 9.47 | ug/L | 1.89 | 9.47 |
| 99-09-2 | m-Nitroaniline | U | 9.47 | ug/L | 1.89 | 9.47 |
| 131-11-3 | Dimethylphthalate | U | 9.47 | ug/L | 1.89 | 9.47 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.47 | ug/L | 1.89 | 9.47 |
| 208-96-8 | Acenaphthylene | U | 0.947 | ug/L | 0.189 | 0.947 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 189552 | Date Collected: | 07/12/2007 13:40 | Matrix: | WATER |
| Lab Sample ID: | 189552008 | Date Received: | 07/13/2007 14:50 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC0992 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 651470 | Inst: | MSD4.I | Dilution: | 1 |
| Run Date: | 07/18/2007 03:16 | Analyst: | AGS1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/17/2007 12:48 | Aliquot: | 950 mL | Final Volume: | .9 mL |
| Data File: | s4g1725.d | Column: | J&W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 18.9 U | ug/L | 9.47 | 18.9 |
| 132-64-9 | Dibenzofuran | U | 9.47 | ug/L | 1.89 | 9.47 |
| 84-66-2 | Diethylphthalate | U | 9.47 | ug/L | 1.89 | 9.47 |
| 86-73-7 | Fluorene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.47 | ug/L | 1.89 | 9.47 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.47 | ug/L | 2.84 | 9.47 |
| 100-01-6 | p-Nitroaniline | U | 9.47 | ug/L | 2.84 | 9.47 |
| 122-39-4 | Diphenylamine | U | 9.47 | ug/L | 2.84 | 9.47 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.47 | ug/L | 1.89 | 9.47 |
| 118-74-1 | Hexachlorobenzene | U | 9.47 | ug/L | 1.89 | 9.47 |
| 85-01-8 | Phenanthrene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 120-12-7 | Anthracene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 84-74-2 | Di-n-butylphthalate | U | 9.47 | ug/L | 1.89 | 9.47 |
| 206-44-0 | Fluoranthene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 85-68-7 | Butylbenzylphthalate | U | 9.47 | ug/L | 1.89 | 9.47 |
| 56-55-3 | Benzo(a)anthracene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.47 | ug/L | 0.947 | 9.47 |
| 218-01-9 | Chrysene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | J | 2.16 J | ug/L | 1.89 | 9.47 |
| 117-84-0 | Di-n-octylphthalate | U | 9.47 U | ug/L | 2.84 | 9.47 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 50-32-8 | Benzo(a)pyrene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.947 | ug/L | 0.189 | 0.947 |
| 86-74-8 | Carbazole | U | 0.947 | ug/L | 0.189 | 0.947 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.47 | ug/L | 1.89 | 9.47 |



DATA VALIDATION

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189552 **METHOD TYPE:** SW846

**SAMPLE ID:** 189552008 **CLIENT ID:** AC0992

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 13-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | U | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 189465 | Date Collected: | 07/11/2007 15:45 | Matrix: | WATER |
| Lab Sample ID: | 189465002 | Date Received: | 07/12/2007 13:00 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC1092 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 652916 | Inst: | VOA2.I | Dilution: | 1 |
| Run Date: | 07/20/2007 11:36 | Analyst: | CDS1 | Purge Vol: | 5 mL |
| Prep Date: | 07/20/2007 11:36 | | | | |
| Data File: | 2t511.d | Column: | DB-624 | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 3.58 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 1634-04-4 | tert-Butyl methyl ether | J | 0.599 J | ug/L | 0.250 | 1.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 73.6 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | J | 0.292 J | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.277 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 1.53 = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | J | 0.581 J | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 25.1 = | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189465 | **Date Collected:** | 07/11/2007 15:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189465002 | **Date Received:** | 07/12/2007 13:00 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC1092 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 652429 | **Inst:** | MSD1.1 | **Dilution:** | 1 |
| **Run Date:** | 07/20/2007 09:56 | **Analyst:** | CAK | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/19/2007 17:33 X 1 DAY OUT | **Aliquot:** | 920 mL | **Final Volume:** | 1 mL |
| **Data File:** | s1g2010.d | **Column:** | Phenomenex ZB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | Uh | 10.9 UJ | ug/L AO1 | 1.09 | 10.9 |
| 95-57-8 | 2-Chlorophenol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 106-46-7 | 1,4-Dichlorobenzene | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 621-64-7 | N-Nitrosodipropylamine | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 59-50-7 | 4-Chloro-3-methylphenol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 83-32-9 | Acenaphthene | Uh | 1.09 | ug/L | 0.337 | 1.09 |
| 121-14-2 | 2,4-Dinitrotoluene | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 100-02-7 | 4-Nitrophenol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 87-86-5 | Pentachlorophenol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 129-00-0 | Pyrene | Uh | 1.09 | ug/L | 0.326 | 1.09 |
| 111-44-4 | bis(2-Chloroethyl) ether | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 541-73-1 | 1,3-Dichlorobenzene | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 100-51-6 | Benzyl alcohol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 95-50-1 | 1,2-Dichlorobenzene | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 95-48-7 | o-Cresol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 65794-96-9 | m,p-Cresols | Uh | 10.9 | ug/L | 3.26 | 10.9 |
| 67-72-1 | Hexachloroethane | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 98-95-3 | Nitrobenzene | Uh | 10.9 | ug/L | 3.26 | 10.9 |
| 78-59-1 | Isophorone | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 88-75-5 | 2-Nitrophenol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 105-67-9 | 2,4-Dimethylphenol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 111-91-1 | bis(2-Chloroethoxy)methane | Uh | 10.9 | ug/L | 3.26 | 10.9 |
| 120-83-2 | 2,4-Dichlorophenol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 65-85-0 | Benzoic acid | Uh | 21.7 | ug/L | 6.52 | 21.7 |
| 91-20-3 | Naphthalene | Uh | 1.09 | ug/L | 0.326 | 1.09 |
| 106-47-8 | 4-Chloroaniline | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 87-68-3 | Hexachlorobutadiene | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 91-57-6 | 2-Methylnaphthalene | Uh | 1.09 | ug/L | 0.326 | 1.09 |
| 77-47-4 | Hexachlorocyclopentadiene | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 88-06-2 | 2,4,6-Trichlorophenol | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 95-95-4 | 2,4,5-Trichlorophenol | Uh | 10.9 | ug/L | 1.09 | 10.9 |
| 91-58-7 | 2-Chloronaphthalene | Uh | 1.09 | ug/L | 0.380 | 1.09 |
| 88-74-4 | o-Nitroaniline | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 99-09-2 | m-Nitroaniline | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 131-11-3 | Dimethylphthalate | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 606-20-2 | 2,6-Dinitrotoluene | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 208-96-8 | Acenaphthylene | Uh | 1.09 | ug/L | 0.217 | 1.09 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189465 | **Date Collected:** | 07/11/2007 15:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189465002 | **Date Received:** | 07/12/2007 13:00 | | |
| | | **Client:** | SA1C085 | **Project:** | SA1C08507 |
| **Client ID:** | AC1092 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 652429 | **Inst:** | MSD1.I | **Dilution:** | 1 |
| **Run Date:** | 07/20/2007 09:56 | **Analyst:** | CAK | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/19/2007 17:33 8 1 DAY OUT | **Aliquot:** | 920 mL | **Final Volume:** | 1 mL |
| **Data File:** | s1g2010.d | **Column:** | Phenomenex ZB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | Uh | 21.7 UJ | ug/L A01 | 10.9 | 21.7 |
| 132-64-9 | Dibenzofuran | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 84-66-2 | Diethylphthalate | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 86-73-7 | Fluorene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 7005-72-3 | 4-Chlorophenylphenylether | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | Uh | 10.9 | ug/L | 3.26 | 10.9 |
| 100-01-6 | p-Nitroaniline | Uh | 10.9 | ug/L | 3.26 | 10.9 |
| 122-39-4 | Diphenylamine | Uh | 10.9 | ug/L | 3.26 | 10.9 |
| 101-55-3 | 4-Bromophenylphenylether | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 118-74-1 | Hexachlorobenzene | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 85-01-8 | Phenanthrene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 120-12-7 | Anthracene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 84-74-2 | Di-n-butylphthalate | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 206-44-0 | Fluoranthene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 85-68-7 | Butylbenzylphthalate | Uh | 10.9 | ug/L | 2.17 | 10.9 |
| 56-55-3 | Benzo(a)anthracene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 91-94-1 | 3,3'-Dichlorobenzidine | Uh | 10.9 | ug/L | 1.09 | 10.9 |
| 218-01-9 | Chrysene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | Jh | 4.54 J | ug/L | 2.17 | 10.9 |
| 117-84-0 | Di-n-octylphthalate | Uh | 10.9 UJ | ug/L | 3.26 | 10.9 |
| 205-99-2 | Benzo(b)fluoranthene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 207-08-9 | Benzo(k)fluoranthene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 50-32-8 | Benzo(a)pyrene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 53-70-3 | Dibenzo(a,h)anthracene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 191-24-2 | Benzo(ghi)perylene | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 86-74-8 | Carbazole | Uh | 1.09 | ug/L | 0.217 | 1.09 |
| 120-82-1 | 1,2,4-Trichlorobenzene | Uh | 10.9 | ug/L | 2.17 | 10.9 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189465 **METHOD TYPE:** SW846

**SAMPLE ID:** 189465002 **CLIENT ID:** AC1092

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 12-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

u

DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 15:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552007 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC1192 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653406 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 07/24/2007 04:05 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/24/2007 04:05 | | | | |
| **Data File:** | 2u146.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 15:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552007 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SA1C085 | **Project:** | SAIC08507 |
| **Client ID:** | AC1192 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/18/2007 02:54 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 920 mL | **Final Volume:** | .95 mL |
| **Data File:** | s4g1724.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.3 U | ug/L | 1.03 | 10.3 |
| 95-57-8 | 2-Chlorophenol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.3 | ug/L | 2.07 | 10.3 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.3 | ug/L | 2.07 | 10.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 83-32-9 | Acenaphthene | U | 1.03 | ug/L | 0.320 | 1.03 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.3 | ug/L | 2.07 | 10.3 |
| 100-02-7 | 4-Nitrophenol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 87-86-5 | Pentachlorophenol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 129-00-0 | Pyrene | U | 1.03 | ug/L | 0.310 | 1.03 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.3 | ug/L | 2.07 | 10.3 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.3 | ug/L | 2.07 | 10.3 |
| 100-51-6 | Benzyl alcohol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.3 | ug/L | 2.07 | 10.3 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.3 | ug/L | 2.07 | 10.3 |
| 95-48-7 | o-Cresol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 65794-96-9 | m,p-Cresols | U | 10.3 | ug/L | 3.10 | 10.3 |
| 67-72-1 | Hexachloroethane | U | 10.3 | ug/L | 2.07 | 10.3 |
| 98-95-3 | Nitrobenzene | U | 10.3 | ug/L | 3.10 | 10.3 |
| 78-59-1 | Isophorone | U | 10.3 | ug/L | 2.07 | 10.3 |
| 88-75-5 | 2-Nitrophenol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.3 | ug/L | 3.10 | 10.3 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 65-85-0 | Benzoic acid | U | 20.7 | ug/L | 6.20 | 20.7 |
| 91-20-3 | Naphthalene | U | 1.03 | ug/L | 0.310 | 1.03 |
| 106-47-8 | 4-Chloroaniline | U | 10.3 | ug/L | 2.07 | 10.3 |
| 87-68-3 | Hexachlorobutadiene | U | 10.3 | ug/L | 2.07 | 10.3 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.03 | ug/L | 0.310 | 1.03 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.3 | ug/L | 2.07 | 10.3 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.3 | ug/L | 2.07 | 10.3 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.3 | ug/L | 1.03 | 10.3 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.03 | ug/L | 0.361 | 1.03 |
| 88-74-4 | o-Nitroaniline | U | 10.3 | ug/L | 2.07 | 10.3 |
| 99-09-2 | m-Nitroaniline | U | 10.3 | ug/L | 2.07 | 10.3 |
| 131-11-3 | Dimethylphthalate | U | 10.3 | ug/L | 2.07 | 10.3 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.3 | ug/L | 2.07 | 10.3 |
| 208-96-8 | Acenaphthylene | U | 1.03 | ug/L | 0.207 | 1.03 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 189552 | Date Collected: | 07/12/2007 15:20 | Matrix: | WATER |
| Lab Sample ID: | 189552007 | Date Received: | 07/13/2007 14:50 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC1192 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 651470 | Inst: | MSD4.I | Dilution: | 1 |
| Run Date: | 07/18/2007 02:54 | Analyst: | AGS1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/17/2007 12:48 | Aliquot: | 920 mL | Final Volume: | .95 mL |
| Data File: | s4g1724.d | Column: | J&W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.7 U | ug/L | 10.3 | 20.7 |
| 132-64-9 | Dibenzofuran | U | 10.3 | ug/L | 2.07 | 10.3 |
| 84-66-2 | Diethylphthalate | U | 10.3 | ug/L | 2.07 | 10.3 |
| 86-73-7 | Fluorene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.3 | ug/L | 2.07 | 10.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.3 | ug/L | 3.10 | 10.3 |
| 100-01-6 | p-Nitroaniline | U | 10.3 | ug/L | 3.10 | 10.3 |
| 122-39-4 | Diphenylamine | U | 10.3 | ug/L | 3.10 | 10.3 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.3 | ug/L | 2.07 | 10.3 |
| 118-74-1 | Hexachlorobenzene | U | 10.3 | ug/L | 2.07 | 10.3 |
| 85-01-8 | Phenanthrene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 120-12-7 | Anthracene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 84-74-2 | Di-n-butylphthalate | U | 10.3 | ug/L | 2.07 | 10.3 |
| 206-44-0 | Fluoranthene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 85-68-7 | Butylbenzylphthalate | U | 10.3 | ug/L | 2.07 | 10.3 |
| 56-55-3 | Benzo(a)anthracene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.3 | ug/L | 1.03 | 10.3 |
| 218-01-9 | Chrysene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | J | 10.3 J | ug/L | 2.07 | 10.3 |
| 117-84-0 | Di-n-octylphthalate | U | 10.3 U | ug/L | 3.10 | 10.3 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 50-32-8 | Benzo(a)pyrene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.03 | ug/L | 0.207 | 1.03 |
| 86-74-8 | Carbazole | U | 1.03 | ug/L | 0.207 | 1.03 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.3 | ug/L | 2.07 | 10.3 |

DATA VALIDATION

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189552 **METHOD TYPE:** SW846

**SAMPLE ID:** 189552007 **CLIENT ID:** AC1192

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 13-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | U | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 12:05 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552009 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC1392 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653406 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 07/24/2007 14:43 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/24/2007 14:43 | | | | |
| **Data File:** | 2u206.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | | 82.1 = | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | J | 0.356 J | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 37.2 = | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 47.3 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **189552** | **Date Collected:** | **07/12/2007 12:05** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **189552009** | **Date Received:** | **07/13/2007 14:50** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC1392** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **651470** | **Inst:** | **MSD4.I** | **Dilution:** | **4** |
| **Run Date:** | **07/25/2007 21:55** | **Analyst:** | **AGS1** | **Inj. Vol:** | **.5 uL** |
| **Prep Date:** | **07/17/2007 12:48** | **Aliquot:** | **1000 mL** | **Final Volume:** | **1 mL** |
| **Data File:** | **s4g2511.d** | **Column:** | **J&W DB-5MS** | **Level:** | **LOW** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 40.0 U | ug/L | 4.00 | 40.0 |
| 95-57-8 | 2-Chlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 40.0 | ug/L | 8.00 | 40.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 83-32-9 | Acenaphthene | U | 4.00 | ug/L | 1.24 | 4.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 100-02-7 | 4-Nitrophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 87-86-5 | Pentachlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 129-00-0 | Pyrene | U | 4.00 | ug/L | 1.20 | 4.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 100-51-6 | Benzyl alcohol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 95-48-7 | o-Cresol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 65794-96-9 | m,p-Cresols | U | 40.0 | ug/L | 12.0 | 40.0 |
| 67-72-1 | Hexachloroethane | U | 40.0 | ug/L | 8.00 | 40.0 |
| 98-95-3 | Nitrobenzene | U | 40.0 | ug/L | 12.0 | 40.0 |
| 78-59-1 | Isophorone | U | 40.0 | ug/L | 8.00 | 40.0 |
| 88-75-5 | 2-Nitrophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 105-67-9 | 2,4-Dimethylphenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 40.0 | ug/L | 12.0 | 40.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 65-85-0 | Benzoic acid | U | 80.0 | ug/L | 24.0 | 80.0 |
| 91-20-3 | Naphthalene | | 200 = | ug/L | 1.20 | 4.00 |
| 106-47-8 | 4-Chloroaniline | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 87-68-3 | Hexachlorobutadiene | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 91-57-6 | 2-Methylnaphthalene | | 67.6 = | ug/L | 1.20 | 4.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 40.0 | ug/L | 4.00 | 40.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 4.00 | ug/L | 1.40 | 4.00 |
| 88-74-4 | o-Nitroaniline | U | 40.0 | ug/L | 8.00 | 40.0 |
| 99-09-2 | m-Nitroaniline | U | 40.0 | ug/L | 8.00 | 40.0 |
| 131-11-3 | Dimethylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 208-96-8 | Acenaphthylene | U | 4.00 | ug/L | 0.800 | 4.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 12:05 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552009 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC1392 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 4 |
| **Run Date:** | 07/25/2007 21:55 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |
| **Data File:** | s4g2511.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 80.0 U | ug/L | 40.0 | 80.0 |
| 132-64-9 | Dibenzofuran | U | 40.0 | ug/L | 8.00 | 40.0 |
| 84-66-2 | Diethylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 86-73-7 | Fluorene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 40.0 | ug/L | 12.0 | 40.0 |
| 100-01-6 | p-Nitroaniline | U | 40.0 | ug/L | 12.0 | 40.0 |
| 122-39-4 | Diphenylamine | U | 40.0 | ug/L | 12.0 | 40.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 118-74-1 | Hexachlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 85-01-8 | Phenanthrene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 120-12-7 | Anthracene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 84-74-2 | Di-n-butylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 206-44-0 | Fluoranthene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 85-68-7 | Butylbenzylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 56-55-3 | Benzo(a)anthracene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 40.0 | ug/L | 4.00 | 40.0 |
| 218-01-9 | Chrysene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 117-84-0 | Di-n-octylphthalate | U | 40.0 | ug/L | 12.0 | 40.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 50-32-8 | Benzo(a)pyrene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 86-74-8 | Carbazole | U | 4.00 | ug/L | 0.800 | 4.00 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189552 **METHOD TYPE:** SW846

**SAMPLE ID:** 189552009 **CLIENT ID:** AC1392

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 13-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | U | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 18:45 | **Matrix:** | **WATER** |
| **Lab Sample ID:** | 189552002 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | **SAIC08507** |
| **Client ID:** | AC2392 | **Method:** | SW846 8260B | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | 653406 | **Inst:** | VOA2.I | **Dilution:** | **1** |
| **Run Date:** | 07/24/2007 01:37 | **Analyst:** | CDS1 | **Purge Vol:** | **5 mL** |
| **Prep Date:** | 07/24/2007 01:37 | | | | |
| **Data File:** | 2u141.d | **Column:** | DB-624 | **Level:** | **LOW** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | | 26.9 = | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | J | 0.251 J | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 10.3 = | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **189552** | **Date Collected:** | **07/12/2007 18:45** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **189552002** | **Date Received:** | **07/13/2007 14:50** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AC2392** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **651470** | **Inst:** | **MSD4.I** | **Dilution:** | **2** |
| **Run Date:** | **07/18/2007 23:01** | **Analyst:** | **AGS1** | **Inj. Vol:** | **.5 uL** |
| **Prep Date:** | **07/17/2007 12:48** | **Aliquot:** | **1030 mL** | **Final Volume:** | **1 mL** |
| **Data File:** | **s4g1813.d** | **Column:** | **J&W DB-5MS** | **Level:** | **LOW** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 19.4 U | ug/L | 1.94 | 19.4 |
| 95-57-8 | 2-Chlorophenol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 19.4 | ug/L | 3.88 | 19.4 |
| 621-64-7 | N-Nitrosodipropylamine | U | 19.4 | ug/L | 3.88 | 19.4 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 83-32-9 | Acenaphthene | U | 1.94 | ug/L | 0.602 | 1.94 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 19.4 | ug/L | 3.88 | 19.4 |
| 100-02-7 | 4-Nitrophenol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 87-86-5 | Pentachlorophenol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 129-00-0 | Pyrene | U | 1.94 | ug/L | 0.583 | 1.94 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 19.4 | ug/L | 3.88 | 19.4 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 19.4 | ug/L | 3.88 | 19.4 |
| 100-51-6 | Benzyl alcohol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 19.4 | ug/L | 3.88 | 19.4 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 19.4 | ug/L | 3.88 | 19.4 |
| 95-48-7 | o-Cresol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 65794-96-9 | m,p-Cresols | U | 19.4 | ug/L | 5.83 | 19.4 |
| 67-72-1 | Hexachloroethane | U | 19.4 | ug/L | 3.88 | 19.4 |
| 98-95-3 | Nitrobenzene | U | 19.4 | ug/L | 5.83 | 19.4 |
| 78-59-1 | Isophorone | U | 19.4 | ug/L | 3.88 | 19.4 |
| 88-75-5 | 2-Nitrophenol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 105-67-9 | 2,4-Dimethylphenol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 19.4 | ug/L | 5.83 | 19.4 |
| 120-83-2 | 2,4-Dichlorophenol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 65-85-0 | Benzoic acid | U | 38.8 | ug/L | 11.7 | 38.8 |
| 91-20-3 | Naphthalene | | 126 = | ug/L | 0.583 | 1.94 |
| 106-47-8 | 4-Chloroaniline | U | 19.4 U | ug/L | 3.88 | 19.4 |
| 87-68-3 | Hexachlorobutadiene | U | 19.4 U | ug/L | 3.88 | 19.4 |
| 91-57-6 | 2-Methylnaphthalene | | 20.0 = | ug/L | 0.583 | 1.94 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 19.4 U | ug/L | 3.88 | 19.4 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 19.4 | ug/L | 3.88 | 19.4 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 19.4 | ug/L | 1.94 | 19.4 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.94 | ug/L | 0.680 | 1.94 |
| 88-74-4 | o-Nitroaniline | U | 19.4 | ug/L | 3.88 | 19.4 |
| 99-09-2 | m-Nitroaniline | U | 19.4 | ug/L | 3.88 | 19.4 |
| 131-11-3 | Dimethylphthalate | U | 19.4 | ug/L | 3.88 | 19.4 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 19.4 | ug/L | 3.88 | 19.4 |
| 208-96-8 | Acenaphthylene | U | 1.94 | ug/L | 0.388 | 1.94 |

DATA VALIDATION

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 18:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552002 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC2392 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 2 |
| **Run Date:** | 07/18/2007 23:01 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 1030 mL | **Final Volume:** | 1 mL |
| **Data File:** | s4g1813.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 38.8 U | ug/L | 19.4 | 38.8 |
| 132-64-9 | Dibenzofuran | U | 19.4 | ug/L | 3.88 | 19.4 |
| 84-66-2 | Diethylphthalate | U | 19.4 | ug/L | 3.88 | 19.4 |
| 86-73-7 | Fluorene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 19.4 | ug/L | 3.88 | 19.4 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 19.4 | ug/L | 5.83 | 19.4 |
| 100-01-6 | p-Nitroaniline | U | 19.4 | ug/L | 5.83 | 19.4 |
| 122-39-4 | Diphenylamine | U | 19.4 | ug/L | 5.83 | 19.4 |
| 101-55-3 | 4-Bromophenylphenylether | U | 19.4 | ug/L | 3.88 | 19.4 |
| 118-74-1 | Hexachlorobenzene | U | 19.4 | ug/L | 3.88 | 19.4 |
| 85-01-8 | Phenanthrene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 120-12-7 | Anthracene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 84-74-2 | Di-n-butylphthalate | U | 19.4 | ug/L | 3.88 | 19.4 |
| 206-44-0 | Fluoranthene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 85-68-7 | Butylbenzylphthalate | U | 19.4 | ug/L | 3.88 | 19.4 |
| 56-55-3 | Benzo(a)anthracene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 19.4 | ug/L | 1.94 | 19.4 |
| 218-01-9 | Chrysene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 19.4 | ug/L | 3.88 | 19.4 |
| 117-84-0 | Di-n-octylphthalate | U | 19.4 | ug/L | 5.83 | 19.4 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 50-32-8 | Benzo(a)pyrene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.94 | ug/L | 0.388 | 1.94 |
| 86-74-8 | Carbazole | U | 1.94 | ug/L | 0.388 | 1.94 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 19.4 | ug/L | 3.88 | 19.4 |

DATA VALIDATION

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189552 **METHOD TYPE:** SW846

**SAMPLE ID:** 189552002 **CLIENT ID:** AC2392

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 13-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | u | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 17:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552006 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC2492 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653406 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 07/24/2007 03:35 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/24/2007 03:35 | | | | |
| **Data File:** | 2u145.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | | 84.5 = | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 25.4 = | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 12.6 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 17:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552006 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SA1C085 | **Project:** | SAIC08507 |
| **Client ID:** | AC2492 | **Mcthod:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 652319 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/20/2007 00:20 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/19/2007 15:27 | **Aliquot:** | 990 mL | **Final Volume:** | .98 mL |
| **Data File:** | s4g1916.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.90 U | ug/L | 0.990 | 9.90 |
| 95-57-8 | 2-Chlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.90 | ug/L | 1.98 | 9.90 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 83-32-9 | Acenaphthene | U | 0.990 | ug/L | 0.307 | 0.990 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 100-02-7 | 4-Nitrophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 87-86-5 | Pentachlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 129-00-0 | Pyrene | U | 0.990 | ug/L | 0.297 | 0.990 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 100-51-6 | Benzyl alcohol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-48-7 | o-Cresol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 65794-96-9 | m,p-Cresols | U | 9.90 | ug/L | 2.97 | 9.90 |
| 67-72-1 | Hexachloroethane | U | 9.90 | ug/L | 1.98 | 9.90 |
| 98-95-3 | Nitrobenzene | U | 9.90 | ug/L | 2.97 | 9.90 |
| 78-59-1 | Isophorone | U | 9.90 | ug/L | 1.98 | 9.90 |
| 88-75-5 | 2-Nitrophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.90 | ug/L | 2.97 | 9.90 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 65-85-0 | Benzoic acid | U | 19.8 | ug/L | 5.94 | 19.8 |
| 91-20-3 | Naphthalene | | 33.7 = | ug/L | 0.297 | 0.990 |
| 106-47-8 | 4-Chloroaniline | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 87-68-3 | Hexachlorobutadiene | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 91-57-6 | 2-Methylnaphthalene | | 6.46 = | ug/L | 0.297 | 0.990 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.90 | ug/L | 0.990 | 9.90 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.990 | ug/L | 0.346 | 0.990 |
| 88-74-4 | o-Nitroaniline | U | 9.90 | ug/L | 1.98 | 9.90 |
| 99-09-2 | m-Nitroaniline | U | 9.90 | ug/L | 1.98 | 9.90 |
| 131-11-3 | Dimethylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 208-96-8 | Acenaphthylene | U | 0.990 | ug/L | 0.198 | 0.990 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 189552 | Date Collected: | 07/12/2007 17:25 | Matrix: | WATER |
| Lab Sample ID: | 189552006 | Date Received: | 07/13/2007 14:50 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC2492 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 652319 | Inst: | MSD4.I | Dilution: | 1 |
| Run Date: | 07/20/2007 00:20 | Analyst: | AGS1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/19/2007 15:27 | Aliquot: | 990 mL | Final Volume: | .98 mL |
| Data File: | s4g1916.d | Column: | J&W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 19.8 U | ug/L | 9.90 | 19.8 |
| 132-64-9 | Dibenzofuran | U | 9.90 | ug/L | 1.98 | 9.90 |
| 84-66-2 | Diethylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 86-73-7 | Fluorene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.90 | ug/L | 2.97 | 9.90 |
| 100-01-6 | p-Nitroaniline | U | 9.90 | ug/L | 2.97 | 9.90 |
| 122-39-4 | Diphenylamine | U | 9.90 | ug/L | 2.97 | 9.90 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 118-74-1 | Hexachlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 85-01-8 | Phenanthrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 120-12-7 | Anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 84-74-2 | Di-n-butylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 206-44-0 | Fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 85-68-7 | Butylbenzylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 56-55-3 | Benzo(a)anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.90 | ug/L | 0.990 | 9.90 |
| 218-01-9 | Chrysene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 117-84-0 | Di-n-octylphthalate | U | 9.90 | ug/L | 2.97 | 9.90 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 50-32-8 | Benzo(a)pyrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 86-74-8 | Carbazole | U | 0.990 | ug/L | 0.198 | 0.990 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189552 **METHOD TYPE:** SW846

**SAMPLE ID:** 189552006 **CLIENT ID:** AC2492

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 13-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | U | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 17:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552005 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SA1C085 | **Project:** | SAIC08507 |
| **Client ID:** | AC2494 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653406 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 07/24/2007 03:06 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/24/2007 03:06 | | | | |
| **Data File:** | 2u144.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | | 77.0 = | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 23.3 = | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 10.5 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189552 | **Date Collected:** | 07/12/2007 17:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189552005 | **Date Received:** | 07/13/2007 14:50 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AC2494 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 651470 | **Inst:** | MSD4.I | **Dilution:** | 1 |
| **Run Date:** | 07/18/2007 02:10 | **Analyst:** | AGS1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/17/2007 12:48 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |
| **Data File:** | s4g1722.d | **Column:** | J&W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.0 U | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-51-6 | Benzyl alcohol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65-85-0 | Benzoic acid | U | 20.0 | ug/L | 6.00 | 20.0 |
| 91-20-3 | Naphthalene | | 34.9 = | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | | 6.89 = | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 189552 | Date Collected: | 07/12/2007 17:25 | Matrix: | WATER |
| Lab Sample ID: | 189552005 | Date Received: | 07/13/2007 14:50 | | |
| | | Client: | SAIC085 | Project: | SAIC08507 |
| Client ID: | AC2494 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 651470 | Inst: | MSD4.I | Dilution: | 1 |
| Run Date: | 07/18/2007 02:10 | Analyst: | AGS1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/17/2007 12:48 | Aliquot: | 1000 mL | Final Volume: | 1 mL |
| Data File: | s4g1722.d | Column: | J&W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 u | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 189552 **METHOD TYPE:** SW846

**SAMPLE ID:** 189552005 **CLIENT ID:** AC2494

**CONTRACT:** SAIC08507

**MATRIX:** W **DATE RECEIVED** 13-JUL-07 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | U | 5 | ug/L | U | | P | 5 | 1 | TRACE2 | 072607-1 |

DATA VALIDATION
COPY

Science Applications International Corporation
An Employee-Owned Company
151 Lafayette Dr., Oak Ridge, Tennessee 37830 (865)481-4600

# CHAIN OF CUSTODY RECORD 189465

COC NO.: HLTM76

PROJECT NAME: Hunter-FTA

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): P A Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|
| AC0692 | 7/11/07 | 1725 | Water | 2 | 2 | 1 | 5 | | |
| AC1092 | ↓ | 1545 | ↓ | 2 | 2 | 1 | 5 | | |
| TH0609 | ↓ | 0745 | ↓ | 2 | | | 2 | | |

P Stoll 7/12/07

IV-171

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 12 | Cooler Temperature: 4 °C |
|---|---|---|---|---|---|
| P A Stoll | 7/12/07 1040 | Linda Reynolds | 7/12/07 1040 | Cooler ID: #212 | FEDEX NUMBER: N/A |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | | |
| RECEIVED BY: | Date/Time | RELINQUISHED BY: Linda Reynolds | Date/Time 7/12/07 1300 | | |
| COMPANY NAME: | | COMPANY NAME: GEL | | | |
| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time 7/12/07 13:00 | | |
| COMPANY NAME: | | COMPANY NAME: GEL | | | |

189550

189552

SAIC An Employee-Owned Company
Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, Tennessee 37830 (865)481-4600

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM77

PROJECT NAME: Hunter-FTA

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | SVOC | Lead | VOC | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|
| TH0610 | 07/12/07 | 0800 | WATER | | | | 2 | 2 | | |
| AC0492 | 07/12/07 | 1430 | WATER | 2 | 2 | 1 | | 5 | | |
| AC2392 | 07/12/07 | 1845 | WATER | 2 | 2 | 1 | | 5 | | WHP 07/13/07 |
| AC0496 | 07/12/07 | 1300 | WATER | 2 | 2 | 1 | | 5 | | |
| AC0892 | 07/12/07 | 1220 | WATER | 2 | 2 | 1 | | 5 | | |
| AC2494 | 07/12/07 | 1725 | WATER | 2 | 2 | 1 | | 5 | | |
| AC2492 | 07/12/07 | 1725 | WATER | 2 | 2 | 1 | | 5 | | |
| AC1192 | 07/12/07 | 1520 | WATER | 2 | 2 | 1 | | 5 | | |
| AC0992 | 07/12/07 | 1340 | WATER | 2 | 2 | 1 | | 5 | | |
| ~~AC09~~AC1392 | 07/12/07 | 1205 | WATER | 2 | 2 | 1 | | 5 | | WHP 07/13/07 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

IV-172

| | | | | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: Wayne H. Parker | Date/Time 07/13/07 1130 | RECEIVED BY: Andrew Thomas | Date/Time 7/13/07 1450 | TOTAL NUMBER OF CONTAINERS: 47 | Cooler Temperature: 4 °C |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | Cooler ID: | FEDEX NUMBER: |
| RECEIVED BY: Ben Watkins | Date/Time 07/13/07 1130 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Watkins | Date/Time 7/13/07 1450 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |

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Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, Tennessee 37830 (865)481-4600

189636 1. 189637 1.

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM80

PROJECT NAME: Hunter-FTA

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | SVOC | Lead | VOC | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|
| TH0611 | 07/13/07 | 0800 | WATER | | | | 2 | 2 | | |
| AC0292 | 07/13/07 | 1625 | WATER | 2 | 2 | 1 | | 5 | | |

IV-173

5

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 7 | Cooler Temperature: 4°C |
|---|---|---|---|---|---|
| Wayne H. Parker | 07/16/07 1125 | Andrea Mes | 7/16/07 1420 | Cooler ID: | FEDEX NUMBER: |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | | |
| RECEIVED BY: Ben Watkins | Date/Time 7/16/07 1125 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Watkins | Date/Time 7/16/07 1420 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |

# DAACG CHLORINATED SOLVENTS AREA

# JULY 2007

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 10:35 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639013 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SA1C085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0172 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/25/2007 21:08 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/25/2007 21:08 | | | | |
| **Data File:** | 6u309.d | **Column:** | RTX | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | J | 0.899 J | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 2.44 J C05 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.20 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | B | 1.01 U F01, | ug/L F07 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 52.0 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 5.27 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 10:35 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639012 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0174 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/25/2007 20:41 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/25/2007 20:41 | | | | |
| **Data File:** | 6u308.d | **Column:** | RTX | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | J | 0.913 J | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | I | 1.58 J C05 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.10 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | BJ | 1.00 0.951 U F01, | ug/L F06 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 46.7 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 4.64 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 11:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639011 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0272 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/26/2007 03:20 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/26/2007 03:20 | | | | |
| **Data File:** | 6u323.d | **Column:** | RTX | **Level:** | LOW |

USQ

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 3.85 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 1.26 J COS | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 3.34 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | BJ | 1.0 ~~0.251~~ U FO1, | ug/L FO6 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D E | ~~293~~ 274 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 11:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639010 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0372 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/25/2007 03:19 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/25/2007 03:19 | | | | |
| **Data File:** | 6u226.d | **Column:** | RTX | **Level:** | LOW |

USR

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | D E1230 | ~~1070~~ = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 1.78 J C05 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 4.99 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | J | 0.904 J | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 8.80 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 47.8 = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D E9010 | ~~2930~~ = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.963 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 11:35 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639009 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0376 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/25/2007 20:15 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/25/2007 20:15 | | | | |
| **Data File:** | 6u307.d | **Column:** | RTX | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | | 14.2 J C05 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | J | 2.66 J | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | BJ | 1.0 ~~0.470~~ U F01, | ug/L F06 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.579 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 12:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639008 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0472 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/25/2007 02:26 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/25/2007 02:26 | | | | |
| **Data File:** | 6u224.d | **Column:** | RTX | **Level:** | LOW |

USP

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 50.9 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 1.36 J C05 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 1.61 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 2.04 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | | 1.35 = | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.434 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D R 1080905 = | | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **189639** | **Date Collected:** | **07/14/2007 12:35** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **189639007** | **Date Received:** | **07/16/2007 14:20** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AS0572** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **653920** | **Inst:** | **VOA6.I** | **Dilution:** | **1** |
| **Run Date:** | **07/25/2007 19:48** | **Analyst:** | **DXR1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **07/25/2007 19:48** | | | | |
| **Data File:** | **6u306.d** | **Column:** | **RTX** | **Level:** | **LOW** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 3.61 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 1.35 J COS | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | BJ | 1.0 ~~0.513~~ U F01, | ug/L F06 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 47.7 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.453 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 12:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639006 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0672 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/25/2007 01:33 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/25/2007 01:33 | | | | |
| **Data File:** | 6u222.d | **Column:** | RTX | **Level:** | LOW |

USQ

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 1.31 J C05 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | J | 0.345 J | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | E 132 J05 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 13:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639005 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0772 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/25/2007 01:06 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/25/2007 01:06 | | | | |
| **Data File:** | 6u221.d | **Column:** | RTX | **Level:** | LOW |

USA

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.11 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 1.46 J COS | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 5.08 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | J | 0.959 J | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.354 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.677 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | E 1590 1560 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 13:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639004 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0774 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/25/2007 00:40 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/25/2007 00:40 | | | | |
| **Data File:** | 6u220.d | **Column:** | RTX | **Level:** | LOW |

USR

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.21 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 4.97 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.02 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.338 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.688 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D E | 1500 ~~1190~~ = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/14/2007 13:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639003 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SAIC085 | **Project:** | SAIC08507 |
| **Client ID:** | AS0872 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/25/2007 19:22 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/25/2007 19:22 | | | | |
| **Data File:** | 6u305.d | **Column:** | RTX | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | BJ | 1.0 0.466 U F01, | ug/L F06 | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 9.74 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.489 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 189639 | **Date Collected:** | 07/13/2007 12:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 189639001 | **Date Received:** | 07/16/2007 14:20 | | |
| | | **Client:** | SA1C085 | **Project:** | SAIC08507 |
| **Client ID:** | AS1472 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 653920 | **Inst:** | VOA6.I | **Dilution:** | 1 |
| **Run Date:** | 07/24/2007 23:20 | **Analyst:** | DXR1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 07/24/2007 23:20 | | | | |
| **Data File:** | 6u217.d | **Column:** | RTX | **Level:** | LOW |

USR

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 1.33 J C05 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | J | 0.316 J | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.799 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D J 439 = | | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

DATA VALIDATION

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **189639** | **Date Collected:** | **07/14/2007 14:50** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **189639002** | **Date Received:** | **07/16/2007 14:20** | | |
| | | **Client:** | **SAIC085** | **Project:** | **SAIC08507** |
| **Client ID:** | **AS2172** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **653920** | **Inst:** | **VOA6.I** | **Dilution:** | **1** |
| **Run Date:** | **07/24/2007 23:46** | **Analyst:** | **DXR1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **07/24/2007 23:46** | | | | |
| **Data File:** | **6u218.d** | **Column:** | **RTX** | **Level:** | **LOW** |

USR

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 20.7 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 3.71 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.50 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.520 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.432 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D E 1630 ~~1200~~ | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

SAIC An Employee-Owned Company
Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, TN 37830 (865)481-4600

189639

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM79

PROJECT NAME: Hunter DAACG

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | REQUESTED PARAMETERS: VOC | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|
| AS1472 | 07/13/07 | 1245 | WATER | 2 | 2 | | |
| AS2172 | 07/14/07 | 1450 | WATER | 2 | 2 | | |
| AS0872 | 07/14/07 | 1355 | WATER | 2 | 2 | | |
| AS0774 | 07/14/07 | 1325 | WATER | 2 | 2 | | |
| AS0772 | 07/14/07 | 1325 | WATER | 2 | 2 | | |
| AS0672 | 07/14/07 | 1255 | WATER | 2 | 2 | | |
| AS0572 | 07/14/07 | 1235 | WATER | 2 | 2 | | |
| AS0472 | 07/14/07 | 1210 | WATER | 2 | 2 | | |
| AS0376 | 07/14/07 | 1135 | WATER | 2 | 2 | | |
| AS0372 | 07/14/07 | 1145 | WATER | 2 | 2 | | |
| AS0272 | 07/14/07 | 1110 | WATER | 2 | 2 | | |
| AS0174 | 07/14/07 | 1035 | WATER | 2 | 2 | | |
| AS0172 | 07/14/07 | 1035 | WATER | 2 | 2 | | |

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 36 | Cooler Temperature: 4°C |
|---|---|---|---|---|---|
| Wayne H. Parker | 07/16/07 | Ben Watkins | 7/16/07 | | |
| COMPANY NAME: SAIC | 1125 | COMPANY NAME: GEL | 1420 | Cooler ID: | FEDEX NUMBER: |
| RECEIVED BY: Ben Watkins | Date/Time 7/16/07 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: GEL | 1125 | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Watkins | Date/Time 7/16/07 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: GEL | 1420 | COMPANY NAME: | | | |

# ANALYTICAL LABORATORY INFORMATION AND DATA VALIDATION CODES

**STATE OF GEORGIA**
**ENVIRONMENTAL LABORATORY ACCREDITATION**

| | | |
|---|---|---|
| | Name of Laboratory: | **General Engineering Laboratories, Inc.** |
| | Address: | P.O. Box 30712<br>2040 Savage Road<br>Charleston, SC 29407 |
| | Contact: | Bob Pullano or Wendy Dimmick |
| | Telephone number: | (843) 556-8171 |
| | Fax number: | (843) 766-1178 |
| #1 | Accrediting Authority: | **State of South Carolina** |
| | Accreditation Number: | SC-10120001 |
| | Effective Date: | Extension granted while recertification in process; January 27, 2003 |
| | Expiration Date: | March 26, 2009 |
| | Accreditation Scope: | SDWA, CWA, RCRA, CERCLA |
| #2 | Accrediting Authority: | **State of Florida** |
| | Accreditation Number: | E-87156 |
| | Effective Date: | July 1, 2001 (initial and reaccredited on July 1 each year thereafter) |
| | Expiration Date: | June 30, 2008 |
| | Accreditation Scope: | SDWA, CWA, RCRA, CERCLA |

## DATA VALIDATION REASON CODES

### *Organic, Inorganic, and Radiological Analytical Data*

**Holding Times**

A01 Extraction holding times were exceeded.
A02 Extraction holding times were grossly exceeded.
A03 Analysis holding times were exceeded.
A04 Analysis holding times were grossly exceeded.
A05 Samples were not preserved properly.
A06 Professional judgment was used to qualify the data.

**GC/MS Tuning**

B01 Mass calibration was in error, even after applying expanded criteria.
B02 Mass calibration was not performed every 12 hr.
B03 Mass calibration did not meet ion abundance criteria.
B04 Professional judgment was used to qualify the data.

**Initial/Continuing Calibration – Organics**

C01 Initial calibration RRF was <0.05.
C02 Initial calibration RDS was >30%.
C03 Initial calibration sequence was not followed as required.
C04 Continuing calibration RRF was <0.05.
C05 Continuing calibration %D was >25%.
C06 Continuing calibration was not performed at the required frequency.
C07 Resolution criteria were not met.
C08 RPD criteria were not met.
C09 RDS criteria were not met.
C10 Retention time of compounds was outside windows.
C11 Compounds were not adequately resolved.
C12 Breakdown of endrin or DDT was >30%.
C13 Combined breakdown of endrin/DDT was >30%.
C14 Professional judgment was used to qualify the data.

**Initial/Continuing Calibration – Inorganics**

D01 ICV or CCV was not performed for every analyte.
D02 ICV recovery was above the upper control limit.
D03 ICV recovery was below the lower control limit.
D04 CCV recovery was above the upper control limit.
D05 CCV recovery was below the lower control limit.
D06 Standard curve was not established with the minimum number of standards.
D07 Instrument was not calibrated daily or each time the instrument was set up.
D08 Correlation coefficient was <0.995.
D09 Mid-range cyanide standard was not distilled.
D10 Professional judgment was used to qualify the data.

**ICP and Furnace Requirements**

E01 Interference check sample recovery was outside the control limit.
E02 Duplicate injections were outside the control limit.
E03 Post-digestion spike recovery was outside the control limit.
E04 MSA was required but not performed.
E05 MSA correlation coefficient was <0.995.
E06 MSA spikes were not at the correct concentration.
E07 Serial dilution criteria were not met.
E08 Professional judgment was used to qualify the data.

**Blanks**

F01 Sample data were qualified as a result of the method blank.
F02 Sample data were qualified as a result of the field blank.
F03 Sample data were qualified as a result of the equipment rinsate.
F04 Sample data were qualified as a result of the trip blank.
F05 Gross contamination exists.
F06 Concentration of the contaminant was detected at a level below the CRQL.
F07 Concentration of the contaminant was detected at a level less than the action limit, but greater than the CRQL.
F08 Concentration of the contaminant was detected at a level that exceeds the action level.
F09 No laboratory blanks were analyzed.
F10 Blank had a negative value >2 times the IDL.
F11 Blanks were not analyzed at required frequency.
F12 Professional judgment was used to qualify the data.

**Surrogate/Radiological Chemical Recovery**

G01 Surrogate/radiological chemical recovery was above the upper control limit.
G02 Surrogate/radiological chemical recovery was below the lower control limit.
G03 Surrogate recovery was <10%.
G04 Surrogate recovery was zero.
G05 Surrogate/radiological chemical recovery data were not present.
G06 Professional judgment was used to qualify the data.
G07 Radiological chemical recovery was <20%.
G08 Radiological chemical recovery was >150%.

**Matrix Spike/Matrix Spike Duplicate (MS/MSD)**

H01 MS/MSD recovery was above the upper control limit.
H02 MS/MSD recovery was below the lower control limit.
H03 MD/MSD recovery was <10%.
H04 MS/MSD pairs exceeded the RPD limit.
H05 No action was taken on MS/MSD limit.
H06 Professional judgment was used to qualify the data.
H07 Radiological MS/MSD recovery was <20%.
H08 Radiological MS/MSD recovery was >160%.
H09 Radiological MS/MSD samples were not analyzed at the required frequency.

## DATA VALIDATION REASON CODES

### *Organic, Inorganic, and Radiological Analytical Data (continued)*

| | |
|---|---|
| **Matrix Spike**<br>I01 MS recovery was above the upper control limit.<br>I02 MS recovery was below the lower control limit.<br>I03 MS recovery was <30%.<br>I04 No action was taken on MS data.<br>I05 Professional judgment was used to qualify the data. | **Laboratory Duplicate**<br>J01 Duplicate RPD/radiological duplicate error ratio (DER) was outside the control limit.<br>J02 Duplicate sample results were >5 times the CRDL.<br>J03 Duplicate sample results were <5 times the CRDL.<br>J04 Professional judgment was used to qualify the data.<br>J05 Duplicate was not analyzed at the required frequency. |
| **Internal Area Summary**<br>K01 Area counts were outside the control limits.<br>K02 Extremely low area counts or performance was exhibited by a major drop-off.<br>K03 IS retention time varied by more than 30 seconds.<br>K04 Professional judgment was used to qualify the data. | **Pesticide Cleanup Checks**<br>L01 10% recovery was obtained during either check.<br>L02 Recoveries during either check were >120%.<br>L03 GPC cleanup recoveries were outside the control limits.<br>L04 Florisil cartridge cleanup recoveries were outside the control limits.<br>L05 Professional judgment was used to qualify the data. |
| **Target Compound Identification**<br>M01 Incorrect identifications were made.<br>M02 Qualitative criteria were not met.<br>M03 Cross contamination occurred.<br>M04 Confirmatory analysis was not performed.<br>M05 No results were provided.<br>M06 Analysis occurred outside 12-hr GC/MS window.<br>M07 Professional judgment was used to qualify the data.<br>M08 The %D between the two pesticide/PCB column checks was >25%. | **Compound Quantitation and Reported CRQLs**<br>N01 Quantitation limits were affected by large, off-scale peaks.<br>N02 MDLs reported by the laboratory exceeded corresponding CRQLs.<br>N03 Professional judgment was used to qualify the data. |
| **Tentatively Identified Compounds (TICs)**<br>O01 Compound was suspected laboratory contaminant and was not detected in the blank.<br>O02 TIC result was not above 10 times the level found in the blank.<br>O03 Professional judgment was used to qualify analytical data. | **Laboratory Control Samples (LCSs)**<br>P01 LCS recovery was above upper control limit.<br>P02 LCS recovery was below lower control limit.<br>P03 LCS recovery was <50%.<br>P04 No action was taken on the LCS data.<br>P05 LCS was not analyzed at required frequency.<br>P06 Radiological LCS recovery was <50% for aqueous samples, <40% for solid samples.<br>P07 Radiological LCS recovery was >150% for aqueous samples, >160% for solid samples.<br>P08 Professional judgment was used to qualify the data. |
| **Field Duplicate**<br>Q01 Field duplicate RPDs were >30% for water and/or >50% for soil.<br>Q02 Radiological field duplicate error ratio (DER) was outside the control limit.<br>Q03 Duplicate sample results were >5 times the CRDL.<br>Q04 Duplicate sample results were <5 times the CRDL. | **Radiological Calibration**<br>R01 Efficiency calibration criteria were not met.<br>R02 Energy calibration criteria were not met.<br>R03 Resolution calibration criteria were not met.<br>R04 Background determination criteria were not met.<br>R05 Quench curve criteria were not met.<br>R06 Absorption curve criteria were not met.<br>R07 Plateau curve criteria were not met.<br>R08 Professional judgment was used to qualify the data. |
| **Radiological Calibration Verification**<br>S01 Efficiency verification criteria were not met.<br>S02 Energy verification criteria were not met.<br>S03 Resolution verification criteria were not met.<br>S04 Background verification criteria were not met.<br>S05 Cross-talk verification criteria were not met.<br>S06 Professional judgment was used to qualify the data. | |

# FORMER FIRE TRAINING AREA

# JANUARY 2008

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201707 | Date Collected: | 01/26/2008 10:40 | Matrix: | WATER |
| Lab Sample ID: | 201707002 | Date Received: | 01/27/2008 14:30 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC0202 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 724714 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 02/08/2008 15:47 | Analyst: | SJW1 | Purge Vol: | 5 mL |
| Prep Date: | 02/08/2008 15:47 | Column: | DB-624 | Level: | LOW |
| Data File: | 7w510.d | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

SDG Number: 201707
Lab Sample ID: 201707002

Client ID: AC0202
Batch ID: 722157
Run Date: 01/30/2008 18:05
Prep Date: 01/29/2008 17:10
Data File: s7a3021.d

Date Collected: 01/26/2008 10:40
Date Received: 01/27/2008 14:30
Client: SAIC094
Method: SW846 8270C
Inst: MSD7.I
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER

Project: SAIC09400
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.0 U | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-51-6 | Benzyl alcohol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65-85-0 | Benzoic acid | U | 20.0 | ug/L | 6.00 | 20.0 |
| 91-20-3 | Naphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201707 | Date Collected: | 01/26/2008 10:40 | Matrix: | WATER |
| Lab Sample ID: | 201707002 | Date Received: | 01/27/2008 14:30 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC0202 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 722157 | Inst: | MSD7.I | Dilution: | 1 |
| Run Date: | 01/30/2008 18:05 | Analyst: | RMB | Inj. Vol: | .5 uL |
| Prep Date: | 01/29/2008 17:10 | Aliquot: | 1000 mL | Final Volume: | 1 mL |
| Data File: | s7a3021.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 U | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | J | 3.21 J | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 U | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 201707 **METHOD TYPE:** SW846

**SAMPLE ID:** 201707002 **CLIENT ID:** AC0202

**CONTRACT:** SAIC09400

**MATRIX:** W **DATE RECEIVED** 27-JAN-08 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.50 | ug/L | U | | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

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DATA VALIDATION COPY

Volatile
Certificate of Analysis
Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **201685** | Date Collected: | 01/24/2008 12:30 | Matrix: | WATER |
| **Lab Sample ID:** | **201685005** | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| **Client ID:** | **AC0402** | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| **Batch ID:** | **724237** | Inst: | VOA7.I | Dilution: | 1 |
| **Run Date:** | **02/05/2008 17:27** | Analyst: | SJW1 | Purge Vol: | 5 mL |
| **Prep Date:** | **02/05/2008 17:27** | | | | |
| **Data File:** | **7w220.d** | Column: | DB-624 | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes,(total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | Date Collected: | 01/24/2008 12:30 | Matrix: | WATER |
| **Lab Sample ID:** | 201685005 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| **Client ID:** | AC0402 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| **Batch ID:** | 722157 | Inst: | MSD7.I | Dilution: | 1 |
| **Run Date:** | 01/30/2008 16:19 | Analyst: | RMB | Inj. Vol: | .5 uL |
| **Prep Date:** | 01/29/2008 17:10 | Aliquot: | 1000 mL | Final Volume: | 1 mL |
| **Data File:** | s7a3016.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.0 U | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-51-6 | Benzyl alcohol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65-85-0 | Benzoic acid | U | 20.0 | ug/L | 6.00 | 20.0 |
| 91-20-3 | Naphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | **Date Collected:** | 01/24/2008 12:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201685005 | **Date Received:** | 01/25/2008 14:07 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AC0402 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 722157 | **Inst:** | MSD7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2008 16:19 | **Analyst:** | RMB | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 01/29/2008 17:10 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |
| **Data File:** | s7a3016.d | **Column:** | J & W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 U | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 201685 **METHOD TYPE:** SW846

**SAMPLE ID:** 201685005 **CLIENT ID:** AC0402

**CONTRACT:** SAIC09400

**MATRIX:** W **DATE RECEIVED** 25-JAN-08 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.50 | ug/L | U | U | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | **Date Collected:** | 01/24/2008 11:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201685006 | **Date Received:** | 01/25/2008 14:07 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AC0406 RINSATE | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724237 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 02/05/2008 17:54 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/05/2008 17:54 | **Column:** | DB-624 | **Level:** | LOW |
| **Data File:** | 7w221.d | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 U | ug/L | 0.30 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.25 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.25 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.25 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 201685
Lab Sample ID: 201685006

Client ID: AC0406 RINSATE
Batch ID: 722157
Run Date: 01/30/2008 16:40
Prep Date: 01/29/2008 17:10
Data File: s7a3017.d

Date Collected: 01/24/2008 11:20
Date Received: 01/25/2008 14:07
Client: SAIC094
Method: SW846 8270C
Inst: MSD7.I
Analyst: RMB
Aliquot: 980 mL
Column: J & W DB-5MS

Matrix: WATER

Project: SAIC09400
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | J | 5.69 J | ug/L | 1.02 | 10.2 |
| 95-57-8 | 2-Chlorophenol | U | 10.2 U | ug/L | 2.04 | 10.2 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.2 | ug/L | 2.04 | 10.2 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 83-32-9 | Acenaphthene | U | 1.02 | ug/L | 0.316 | 1.02 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-02-7 | 4-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-86-5 | Pentachlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 129-00-0 | Pyrene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-51-6 | Benzyl alcohol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-48-7 | o-Cresol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 65794-96-9 | m,p-Cresols | U | 10.2 | ug/L | 3.06 | 10.2 |
| 67-72-1 | Hexachloroethane | U | 10.2 | ug/L | 2.04 | 10.2 |
| 98-95-3 | Nitrobenzene | U | 10.2 | ug/L | 3.06 | 10.2 |
| 78-59-1 | Isophorone | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-75-5 | 2-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.2 | ug/L | 3.06 | 10.2 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 65-85-0 | Benzoic acid | U | 20.4 | ug/L | 6.12 | 20.4 |
| 91-20-3 | Naphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 106-47-8 | 4-Chloroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-68-3 | Hexachlorobutadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.2 | ug/L | 1.02 | 10.2 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.02 | ug/L | 0.357 | 1.02 |
| 88-74-4 | o-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 99-09-2 | m-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 131-11-3 | Dimethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 208-96-8 | Acenaphthylene | U | 1.02 | ug/L | 0.204 | 1.02 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

**SDG Number:** 201685
**Lab Sample ID:** 201685006

**Client ID:** AC0406 RINSATE
**Batch ID:** 722157
**Run Date:** 01/30/2008 16:40
**Prep Date:** 01/29/2008 17:10
**Data File:** s7a3017.d

**Date Collected:** 01/24/2008 11:20
**Date Received:** 01/25/2008 14:07
**Client:** SAIC094
**Method:** SW846 8270C
**Inst:** MSD7.I
**Analyst:** RMB
**Aliquot:** 980 mL
**Column:** J & W DB-5MS

**Matrix:** WATER
**Project:** SAIC09400
**SOP Ref:** GL-OA-E-009
**Dilution:** 1
**Inj. Vol:** .5 uL
**Final Volume:** 1 mL
**Level:** LOW

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.4 U | ug/L | 10.2 | 20.4 |
| 132-64-9 | Dibenzofuran | U | 10.2 U | ug/L | 2.04 | 10.2 |
| 84-66-2 | Diethylphthalate | J | 4.15 J | ug/L | 2.04 | 10.2 |
| 86-73-7 | Fluorene | U | 1.02 U | ug/L | 0.204 | 1.02 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.2 | ug/L | 3.06 | 10.2 |
| 100-01-6 | p-Nitroaniline | U | 10.2 | ug/L | 3.06 | 10.2 |
| 122-39-4 | Diphenylamine | U | 10.2 | ug/L | 3.06 | 10.2 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 118-74-1 | Hexachlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 85-01-8 | Phenanthrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-12-7 | Anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 84-74-2 | Di-n-butylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 206-44-0 | Fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 85-68-7 | Butylbenzylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 56-55-3 | Benzo(a)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.2 | ug/L | 1.02 | 10.2 |
| 218-01-9 | Chrysene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 117-84-0 | Di-n-octylphthalate | U | 10.2 | ug/L | 3.06 | 10.2 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 50-32-8 | Benzo(a)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 86-74-8 | Carbazole | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 201685 **METHOD TYPE:** SW846

**SAMPLE ID:** 201685006 **CLIENT ID:** AC0406 RINSATE

**CONTRACT:** SAIC09400

**MATRIX:** W **DATE RECEIVED** 25-JAN-08 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.50 U | ug/L | U | | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | Date Collected: | 01/24/2008 09:45 | Matrix: | WATER |
| **Lab Sample ID:** | 201685003 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| **Client ID:** | AC0602 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| **Batch ID:** | 724237 | Inst: | VOA7.I | Dilution: | 1 |
| **Run Date:** | 02/05/2008 16:33 | Analyst: | SJW1 | Purge Vol: | 5 mL |
| **Prep Date:** | 02/05/2008 16:33 | | | | |
| **Data File:** | 7w218.d | Column: | DB-624 | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | | 9.25 = | ug/L | 0.308 | 1.0 |
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.0 |
| 100-41-4 | Ethylbenzene | | 1.58 = | ug/L | 0.250 | 1.0 |
| 1330-20-7 | Xylenes total | U | 1.00 U | ug/L | 0.250 | 1.0 |

DATA VALIDATION COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | **Date Collected:** | 01/24/2008 09:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201685003 | **Date Received:** | 01/25/2008 14:07 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AC0602 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 722157 | **Inst:** | MSD7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2008 15:37 | **Analyst:** | RMB | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 01/29/2008 17:10 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |
| **Data File:** | s7a3014.d | **Column:** | J & W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.0 U | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-51-6 | Benzyl alcohol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65-85-0 | Benzoic acid | U | 20.0 | ug/L | 6.00 | 20.0 |
| 91-20-3 | Naphthalene | | 19.3 = | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | | 1.84 = | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | **Date Collected:** | 01/24/2008 09:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201685003 | **Date Received:** | 01/25/2008 14:07 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AC0602 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 722157 | **Inst:** | MSD7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2008 15:37 | **Analyst:** | RMB | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 01/29/2008 17:10 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |
| **Data File:** | s7a3014.d | **Column:** | J & W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 U | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 201685 **METHOD TYPE:** SW846

**SAMPLE ID:** 201685003 **CLIENT ID:** AC0601

**CONTRACT:** SAIC09400

**MATRIX:** W **DATE RECEIVED** 25-JAN-08 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.550 J | ug/L | B | | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 13:40 | Matrix: | WATER |
| Lab Sample ID: | 201685007 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC0802 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 724237 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 02/05/2008 18:20 | Analyst: | SJW1 | Purge Vol: | 5 mL |
| Prep Date: | 02/05/2008 18:20 | Column: | DB-624 | Level: | LOW |
| Data File: | 7w222.d | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | **Date Collected:** | 01/24/2008 13:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201685007 | **Date Received:** | 01/25/2008 14:07 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AC0802 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 722157 | **Inst:** | MSD7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2008 17:01 | **Analyst:** | RMB | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 01/29/2008 17:10 | **Aliquot:** | 980 mL | **Final Volume:** | 1 mL |
| **Data File:** | s7a3018.d | **Column:** | J & W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.2 U | ug/L | 1.02 | 10.2 |
| 95-57-8 | 2-Chlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.2 | ug/L | 2.04 | 10.2 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 83-32-9 | Acenaphthene | U | 1.02 | ug/L | 0.316 | 1.02 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-02-7 | 4-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-86-5 | Pentachlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 129-00-0 | Pyrene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-51-6 | Benzyl alcohol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-48-7 | o-Cresol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 65794-96-9 | m,p-Cresols | U | 10.2 | ug/L | 3.06 | 10.2 |
| 67-72-1 | Hexachloroethane | U | 10.2 | ug/L | 2.04 | 10.2 |
| 98-95-3 | Nitrobenzene | U | 10.2 | ug/L | 3.06 | 10.2 |
| 78-59-1 | Isophorone | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-75-5 | 2-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.2 | ug/L | 3.06 | 10.2 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 65-85-0 | Benzoic acid | U | 20.4 | ug/L | 6.12 | 20.4 |
| 91-20-3 | Naphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 106-47-8 | 4-Chloroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-68-3 | Hexachlorobutadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.2 | ug/L | 1.02 | 10.2 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.02 | ug/L | 0.357 | 1.02 |
| 88-74-4 | o-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 99-09-2 | m-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 131-11-3 | Dimethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 208-96-8 | Acenaphthylene | U | 1.02 | ug/L | 0.204 | 1.02 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 13:40 | Matrix: | WATER |
| Lab Sample ID: | 201685007 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC0802 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 722157 | Inst: | MSD7.I | Dilution: | 1 |
| Run Date: | 01/30/2008 17:01 | Analyst: | RMB | Inj. Vol: | .5 uL |
| Prep Date: | 01/29/2008 17:10 | Aliquot: | 980 mL | Final Volume: | 1 mL |
| Data File: | s7a3018.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.4 U | ug/L | 10.2 | 20.4 |
| 132-64-9 | Dibenzofuran | U | 10.2 | ug/L | 2.04 | 10.2 |
| 84-66-2 | Diethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 86-73-7 | Fluorene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.2 | ug/L | 3.06 | 10.2 |
| 100-01-6 | p-Nitroaniline | U | 10.2 | ug/L | 3.06 | 10.2 |
| 122-39-4 | Diphenylamine | U | 10.2 | ug/L | 3.06 | 10.2 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 118-74-1 | Hexachlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 85-01-8 | Phenanthrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-12-7 | Anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 84-74-2 | Di-n-butylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 206-44-0 | Fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 85-68-7 | Butylbenzylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 56-55-3 | Benzo(a)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.2 | ug/L | 1.02 | 10.2 |
| 218-01-9 | Chrysene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 117-84-0 | Di-n-octylphthalate | U | 10.2 | ug/L | 3.06 | 10.2 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 50-32-8 | Benzo(a)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 86-74-8 | Carbazole | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |

DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 201685 **METHOD TYPE:** SW846

**SAMPLE ID:** 201685007 **CLIENT ID:** AC0802

**CONTRACT:** SAIC09400

**MATRIX:** W **DATE RECEIVED** 25-JAN-08 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.50 | ug/L | U | | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

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DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 15:20 | Matrix: | WATER |
| Lab Sample ID: | 201685008 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SA1C094 | Project: | SA1C09400 |
| Client ID: | AC0902 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 724237 | Inst: | VOA7.1 | Dilution: | 1 |
| Run Date: | 02/05/2008 18:47 | Analyst: | SJW1 | Purge Vol: | 5 mL |
| Prep Date: | 02/05/2008 18:47 | | | | |
| Data File: | 7w223.d | Column: | DB-624 | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | | 1.52 = | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.374 J | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | **Date Collected:** | 01/24/2008 15:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201685008 | **Date Received:** | 01/25/2008 14:07 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AC0902 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 722157 | **Inst:** | MSD7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2008 17:22 | **Analyst:** | RMB | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 01/29/2008 17:10 | **Aliquot:** | 980 mL | **Final Volume:** | 1 mL |
| **Data File:** | s7a3019.d | **Column:** | J & W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.0 | ug/L | 1.0 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.0 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.0 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.0 | ug/L | 0.310 | 1.0 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.0 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 129-00-0 | Pyrene | U | 1.0 | ug/L | 0.300 | 1.0 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.0 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.0 | 10.0 |
| 100-51-6 | Benzyl alcohol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.0 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.0 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.0 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.0 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.0 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.0 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.0 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 65-85-0 | Benzoic acid | U | 20.0 | ug/L | 6.1 | 20.0 |
| 91-20-3 | Naphthalene | | 2.0 | ug/L | 0.30 | 1.0 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 | ug/L | 2.0 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 | ug/L | 2.0 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.0 | ug/L | 0.30 | 1.0 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.0 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.0 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.0 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.0 | ug/L | 0.35 | 1.0 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.0 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.0 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.0 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.0 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.0 | ug/L | 0.20 | 1.0 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 15:20 | Matrix: | WATER |
| Lab Sample ID: | 201685008 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC0902 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 722157 | Inst: | MSD7.I | Dilution: | 1 |
| Run Date: | 01/30/2008 17:22 | Analyst: | RMB | Inj. Vol: | .5 uL |
| Prep Date: | 01/29/2008 17:10 | Aliquot: | 980 mL | Final Volume: | 1 mL |
| Data File: | s7a3019.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.4 U | ug/L | 10.2 | 20.4 |
| 132-64-9 | Dibenzofuran | U | 10.2 | ug/L | 2.04 | 10.2 |
| 84-66-2 | Diethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 86-73-7 | Fluorene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.2 | ug/L | 3.06 | 10.2 |
| 100-01-6 | p-Nitroaniline | U | 10.2 | ug/L | 3.06 | 10.2 |
| 122-39-4 | Diphenylamine | U | 10.2 | ug/L | 3.06 | 10.2 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 118-74-1 | Hexachlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 85-01-8 | Phenanthrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-12-7 | Anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 84-74-2 | Di-n-butylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 206-44-0 | Fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 85-68-7 | Butylbenzylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 56-55-3 | Benzo(a)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.2 | ug/L | 1.02 | 10.2 |
| 218-01-9 | Chrysene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 117-84-0 | Di-n-octylphthalate | U | 10.2 | ug/L | 3.06 | 10.2 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 50-32-8 | Benzo(a)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 86-74-8 | Carbazole | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 201685 **METHOD TYPE:** SW846

**SAMPLE ID:** 201685008 **CLIENT ID:** AC0902

**CONTRACT:** SAIC09400

**MATRIX:** W **DATE RECEIVED** 25-JAN-08 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.50 | ug/L | U | | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201545 | Date Collected: | 01/23/2008 12:15 | Matrix: | WATER |
| **Lab Sample ID:** | 201545001 | Date Received: | 01/24/2008 15:05 | | |
| | | Client: | SA1C094 | Project: | SA1C09400 |
| **Client ID:** | AC1002 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| **Batch ID:** | 723384 | Inst: | VOA2.I | Dilution: | 1 |
| **Run Date:** | 02/04/2008 15:54 | Analyst: | CDS1 | Purge Vol: | 5 mL |
| **Prep Date:** | 02/04/2008 15:54 | Column: | DB-624 | Level: | LOW |
| **Data File:** | 2w118.d | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201545 | Date Collected: | 01/23/2008 12:15 | Matrix: | WATER |
| Lab Sample ID: | 201545001 | Date Received: | 01/24/2008 15:05 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC1002 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 721970 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/29/2008 16:28 | Analyst: | BJB1 | Inj. Vol: | .5 uL |
| Prep Date: | 01/28/2008 17:06 | Aliquot: | 980 mL | Final Volume: | 1 mL |
| Data File: | s5a2923.d | Column: | J&W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.2 U | ug/L | 1.02 | 10.2 |
| 95-57-8 | 2-Chlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.2 | ug/L | 2.04 | 10.2 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 83-32-9 | Acenaphthene | U | 1.02 | ug/L | 0.316 | 1.02 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-02-7 | 4-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-86-5 | Pentachlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 129-00-0 | Pyrene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-51-6 | Benzyl alcohol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.2 U5 CO5 | ug/L | 2.04 | 10.2 |
| 95-48-7 | o-Cresol | U | 10.2 U | ug/L | 2.04 | 10.2 |
| 65794-96-9 | m,p-Cresols | U | 10.2 | ug/L | 3.06 | 10.2 |
| 67-72-1 | Hexachloroethane | U | 10.2 | ug/L | 2.04 | 10.2 |
| 98-95-3 | Nitrobenzene | U | 10.2 | ug/L | 3.06 | 10.2 |
| 78-59-1 | Isophorone | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-75-5 | 2-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.2 | ug/L | 3.06 | 10.2 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 65-85-0 | Benzoic acid | U | 20.4 | ug/L | 6.12 | 20.4 |
| 91-20-3 | Naphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 106-47-8 | 4-Chloroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-68-3 | Hexachlorobutadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.2 | ug/L | 1.02 | 10.2 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.02 | ug/L | 0.357 | 1.02 |
| 88-74-4 | o-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 99-09-2 | m-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 131-11-3 | Dimethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 208-96-8 | Acenaphthylene | U | 1.02 | ug/L | 0.204 | 1.02 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201545 | Date Collected: | 01/23/2008 12:15 | Matrix: | WATER |
| Lab Sample ID: | 201545001 | Date Received: | 01/24/2008 15:05 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC1002 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 721970 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/29/2008 16:28 | Analyst: | BJB1 | Inj. Vol: | .5 uL |
| Prep Date: | 01/28/2008 17:06 | Aliquot: | 980 mL | Final Volume: | 1 mL |
| Data File: | s5a2923.d | Column: | J&W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.4 U | ug/L | 10.2 | 20.4 |
| 132-64-9 | Dibenzofuran | U | 10.2 | ug/L | 2.04 | 10.2 |
| 84-66-2 | Diethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 86-73-7 | Fluorene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.2 | ug/L | 3.06 | 10.2 |
| 100-01-6 | p-Nitroaniline | U | 10.2 | ug/L | 3.06 | 10.2 |
| 122-39-4 | Diphenylamine | U | 10.2 | ug/L | 3.06 | 10.2 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 118-74-1 | Hexachlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 85-01-8 | Phenanthrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-12-7 | Anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 84-74-2 | Di-n-butylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 206-44-0 | Fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 85-68-7 | Butylbenzylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 56-55-3 | Benzo(a)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.2 | ug/L | 1.02 | 10.2 |
| 218-01-9 | Chrysene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | BJ | 10.2 ~~9~~ U F01, | ug/L F06 | 2.04 | 10.2 |
| 117-84-0 | Di-n-octylphthalate | U | 10.2 U | ug/L | 3.06 | 10.2 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 50-32-8 | Benzo(a)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 86-74-8 | Carbazole | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |

DATA VALIDATION
COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 201545 **METHOD TYPE:** SW846

**SAMPLE ID:** 201545001 **CLIENT ID:** AC1002

**CONTRACT:** SAIC09400

**MATRIX:** W **DATE RECEIVED** 24-JAN-08 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.630 | ug/L | B | J | MS | 0.5 | 1 | ICPMS6 | 080131-1 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | **Date Collected:** | 01/24/2008 08:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201685001 | **Date Received:** | 01/25/2008 14:07 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AC1102 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724237 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 02/05/2008 15:40 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/05/2008 15:40 | | | | |
| **Data File:** | 7w216.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 u | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 08:30 | Matrix: | WATER |
| Lab Sample ID: | 201685001 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC1102 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 722157 | Inst: | MSD7.I | Dilution: | 1 |
| Run Date: | 01/30/2008 14:13 | Analyst: | RMB | Inj. Vol: | .5 uL |
| Prep Date: | 01/29/2008 17:10 | Aliquot: | 980 ml | Final Volume: | 1 mL |
| Data File: | s7a3010.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.2 | ug/L | 1.02 | 10.2 |
| 95-57-8 | 2-Chlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.2 | ug/L | 2.04 | 10.2 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 83-32-9 | Acenaphthene | U | 1.02 | ug/L | 0.316 | 1.02 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-02-7 | 4-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-86-5 | Pentachlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 129-00-0 | Pyrene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-51-6 | Benzyl alcohol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-48-7 | o-Cresol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 65794-96-9 | m,p-Cresols | U | 10.2 | ug/L | 3.06 | 10.2 |
| 67-72-1 | Hexachloroethane | U | 10.2 | ug/L | 2.04 | 10.2 |
| 98-95-3 | Nitrobenzene | U | 10.2 | ug/L | 3.06 | 10.2 |
| 78-59-1 | Isophorone | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-75-5 | 2-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.2 | ug/L | 3.06 | 10.2 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 65-85-0 | Benzoic acid | U | 20.4 | ug/L | 6.12 | 20.4 |
| 91-20-3 | Naphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 106-47-8 | 4-Chloroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-68-3 | Hexachlorobutadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.2 | ug/L | 1.02 | 10.2 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.02 | ug/L | 0.357 | 1.02 |
| 88-74-4 | o-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 99-09-2 | m-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 131-11-3 | Dimethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 208-96-8 | Acenaphthylene | U | 1.02 | ug/L | 0.204 | 1.02 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201685 | Date Collected: | 01/24/2008 08:30 | Matrix: | WATER |
| **Lab Sample ID:** | 201685003 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| **Client ID:** | AC1102 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| **Batch ID:** | 722157 | Inst: | MSD7.I | Dilution: | 1 |
| **Run Date:** | 01/30/2008 14:13 | Analyst: | RMB | Inj. Vol: | .5 uL |
| **Prep Date:** | 01/29/2008 17:10 | Aliquot: | 980 mL | Final Volume: | 1 mL |
| **Data File:** | s7a3010.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.4 U | ug/L | 10.2 | 20.4 |
| 132-64-9 | Dibenzofuran | U | 10.2 | ug/L | 2.04 | 10.2 |
| 84-66-2 | Diethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 86-73-7 | Fluorene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.2 | ug/L | 3.06 | 10.2 |
| 100-01-6 | p-Nitroaniline | U | 10.2 | ug/L | 3.06 | 10.2 |
| 122-39-4 | Diphenylamine | U | 10.2 | ug/L | 3.06 | 10.2 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 118-74-1 | Hexachlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 85-01-8 | Phenanthrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-12-7 | Anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 84-74-2 | Di-n-butylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 206-44-0 | Fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 85-68-7 | Butylbenzylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 56-55-3 | Benzo(a)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.2 | ug/L | 1.02 | 10.2 |
| 218-01-9 | Chrysene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 117-84-0 | Di-n-octylphthalate | U | 10.2 | ug/L | 3.06 | 10.2 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 50-32-8 | Benzo(a)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 86-74-8 | Carbazole | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 201685 **METHOD TYPE:** SW846

**SAMPLE ID:** 201685001 **CLIENT ID:** AC1102

**CONTRACT:** SAIC09400

**MATRIX:** W **DATE RECEIVED** 25-JAN-08 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.530 J | ug/L | E | | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 08:30 | Matrix: | WATER |
| Lab Sample ID: | 201685002 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC1104 DUPLICATE | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 724237 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 02/05/2008 16:07 | Analyst: | SJW1 | Purge Vol: | 5 mL |
| Prep Date: | 02/05/2008 16:07 | | | | |
| Data File: | 7w217.d | Column: | DB-624 | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | J | 0.832 J | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 \| | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 ↓ | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

**SDG Number:** 201685
**Lab Sample ID:** 201685002

**Client ID:** AC1104 DUPLICATE
**Batch ID:** 722966
**Run Date:** 02/01/2008 12:11
**Prep Date:** 01/31/2008 17:05
**Data File:** s7b0112.d

**Date Collected:** 01/24/2008 08:30
**Date Received:** 01/25/2008 14:07
**Client:** SAIC094
**Method:** SW846 8270C
**Inst:** MSD7.I
**Analyst:** RMB
**Aliquot:** 1020 mL
**Column:** J & W DB-5MS

**Matrix:** WATER
**Project:** SAIC09400
**SOP Ref:** GL-OA-E-009
**Dilution:** 1
**Inj. Vol:** .5 uL
**Final Volume:** 1 mL
**Level:** LOW

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 9.80 U | ug/L | 0.980 | 9.80 |
| 95-57-8 | 2-Chlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.80 | ug/L | 1.96 | 9.80 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 83-32-9 | Acenaphthene | U | 0.980 | ug/L | 0.304 | 0.980 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 100-02-7 | 4-Nitrophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 87-86-5 | Pentachlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 129-00-0 | Pyrene | U | 0.980 | ug/L | 0.294 | 0.980 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 100-51-6 | Benzyl alcohol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 95-48-7 | o-Cresol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 65794-96-9 | m,p-Cresols | U | 9.80 | ug/L | 2.94 | 9.80 |
| 67-72-1 | Hexachloroethane | U | 9.80 | ug/L | 1.96 | 9.80 |
| 98-95-3 | Nitrobenzene | U | 9.80 | ug/L | 2.94 | 9.80 |
| 78-59-1 | Isophorone | U | 9.80 | ug/L | 1.96 | 9.80 |
| 88-75-5 | 2-Nitrophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.80 | ug/L | 2.94 | 9.80 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 65-85-0 | Benzoic acid | U | 19.6 | ug/L | 5.88 | 19.6 |
| 91-20-3 | Naphthalene | U | 0.980 | ug/L | 0.294 | 0.980 |
| 106-47-8 | 4-Chloroaniline | U | 9.80 | ug/L | 1.96 | 9.80 |
| 87-68-3 | Hexachlorobutadiene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.980 | ug/L | 0.294 | 0.980 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.80 | ug/L | 0.980 | 9.80 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.980 | ug/L | 0.343 | 0.980 |
| 88-74-4 | o-Nitroaniline | U | 9.80 | ug/L | 1.96 | 9.80 |
| 99-09-2 | m-Nitroaniline | U | 9.80 | ug/L | 1.96 | 9.80 |
| 131-11-3 | Dimethylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 208-96-8 | Acenaphthylene | U | 0.980 | ug/L | 0.196 | 0.980 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 08:30 | Matrix: | WATER |
| Lab Sample ID: | 201685002 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC1104 DUPLICATE | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 722966 | Inst: | MSD7.I | Dilution: | 1 |
| Run Date: | 02/01/2008 12:11 | Analyst: | RMB | Inj. Vol: | .5 uL |
| Prep Date: | 01/31/2008 17:05 | Aliquot: | 1020 mL | Final Volume: | 1 mL |
| Data File: | s7b0112.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 19.6 u | ug/L | 9.80 | 19.6 |
| 132-64-9 | Dibenzofuran | U | 9.80 | ug/L | 1.96 | 9.80 |
| 84-66-2 | Diethylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 86-73-7 | Fluorene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.80 | ug/L | 2.94 | 9.80 |
| 100-01-6 | p-Nitroaniline | U | 9.80 | ug/L | 2.94 | 9.80 |
| 122-39-4 | Diphenylamine | U | 9.80 | ug/L | 2.94 | 9.80 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 118-74-1 | Hexachlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 85-01-8 | Phenanthrene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 120-12-7 | Anthracene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 84-74-2 | Di-n-butylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 206-44-0 | Fluoranthene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 85-68-7 | Butylbenzylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 56-55-3 | Benzo(a)anthracene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.80 | ug/L | 0.980 | 9.80 |
| 218-01-9 | Chrysene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 117-84-0 | Di-n-octylphthalate | U | 9.80 | ug/L | 2.94 | 9.80 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 50-32-8 | Benzo(a)pyrene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 86-74-8 | Carbazole | U | 0.980 | ug/L | 0.196 | 0.980 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201685 METHOD TYPE: SW846

SAMPLE ID: 201685002 CLIENT ID: AC1104 DUPLICATE

CONTRACT: SAIC09400

MATRIX: W DATE RECEIVED 25-JAN-08 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.540 J | ug/L | B | | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201703 | Date Collected: | 01/25/2008 18:10 | Matrix: | WATER |
| Lab Sample ID: | 201703001 | Date Received: | 01/26/2008 14:15 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC1302 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 724348 | Inst: | VOA1.I | Dilution: | 1 |
| Run Date: | 02/08/2008 11:38 | Analyst: | ACJ | Purge Vol: | 5 mL |
| Prep Date: | 02/08/2008 11:38 | | | | |
| Data File: | 1w508.d | Column: | RTX-Volatiles | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | | 18.7 = | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | J | 0.283 J | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 17.9 = | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | B | 13.0 = F01, | ug/L F08 | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201703 | Date Collected: | 01/25/2008 18:10 | Matrix: | WATER |
| Lab Sample ID: | 201703001 | Date Received: | 01/26/2008 14:15 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC1302 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 722157 | Inst: | MSD7.I | Dilution: | 1 |
| Run Date: | 01/30/2008 17:44 | Analyst: | RMB | Inj. Vol: | .5 uL |
| Prep Date: | 01/29/2008 17:10 | Aliquot: | 970 mL | Final Volume: | 1 mL |
| Data File: | s7a3020.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.3 U | ug/L | 1.03 | 10.3 |
| 95-57-8 | 2-Chlorophenol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.3 | ug/L | 2.06 | 10.3 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.3 | ug/L | 2.06 | 10.3 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 83-32-9 | Acenaphthene | U | 1.03 | ug/L | 0.320 | 1.03 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.3 | ug/L | 2.06 | 10.3 |
| 100-02-7 | 4-Nitrophenol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 87-86-5 | Pentachlorophenol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 129-00-0 | Pyrene | U | 1.03 | ug/L | 0.309 | 1.03 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.3 | ug/L | 2.06 | 10.3 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.3 | ug/L | 2.06 | 10.3 |
| 100-51-6 | Benzyl alcohol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.3 | ug/L | 2.06 | 10.3 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.3 | ug/L | 2.06 | 10.3 |
| 95-48-7 | o-Cresol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 65794-96-9 | m,p-Cresols | U | 10.3 | ug/L | 3.09 | 10.3 |
| 67-72-1 | Hexachloroethane | U | 10.3 | ug/L | 2.06 | 10.3 |
| 98-95-3 | Nitrobenzene | U | 10.3 | ug/L | 3.09 | 10.3 |
| 78-59-1 | Isophorone | U | 10.3 | ug/L | 2.06 | 10.3 |
| 88-75-5 | 2-Nitrophenol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.3 | ug/L | 3.09 | 10.3 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 65-85-0 | Benzoic acid | U | 20.6 | ug/L | 6.19 | 20.6 |
| 91-20-3 | Naphthalene | | 92.7 = | ug/L | 0.309 | 1.03 |
| 106-47-8 | 4-Chloroaniline | U | 10.3 U | ug/L | 2.06 | 10.3 |
| 87-68-3 | Hexachlorobutadiene | U | 10.3 U | ug/L | 2.06 | 10.3 |
| 91-57-6 | 2-Methylnaphthalene | | 29.9 = | ug/L | 0.309 | 1.03 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.3 U | ug/L | 2.06 | 10.3 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.3 | ug/L | 2.06 | 10.3 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.3 | ug/L | 1.03 | 10.3 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.03 | ug/L | 0.361 | 1.03 |
| 88-74-4 | o-Nitroaniline | U | 10.3 | ug/L | 2.06 | 10.3 |
| 99-09-2 | m-Nitroaniline | U | 10.3 | ug/L | 2.06 | 10.3 |
| 131-11-3 | Dimethylphthalate | U | 10.3 | ug/L | 2.06 | 10.3 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.3 | ug/L | 2.06 | 10.3 |
| 208-96-8 | Acenaphthylene | U | 1.03 | ug/L | 0.206 | 1.03 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201703 | **Date Collected:** | 01/25/2008 18:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201703001 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AC1302 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 722157 | **Inst:** | MSD7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2008 17:44 | **Analyst:** | RMB | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 01/29/2008 17:10 | **Aliquot:** | 970 mL | **Final Volume:** | 1 mL |
| **Data File:** | s7a3020.d | **Column:** | J & W DB-5MS | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.6 ul | ug/L | 10.3 | 20.6 |
| 132-64-9 | Dibenzofuran | U | 10.3 | ug/L | 2.06 | 10.3 |
| 84-66-2 | Diethylphthalate | U | 10.3 | ug/L | 2.06 | 10.3 |
| 86-73-7 | Fluorene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.3 | ug/L | 2.06 | 10.3 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.3 | ug/L | 3.09 | 10.3 |
| 100-01-6 | p-Nitroaniline | U | 10.3 | ug/L | 3.09 | 10.3 |
| 122-39-4 | Diphenylamine | U | 10.3 | ug/L | 3.09 | 10.3 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.3 | ug/L | 2.06 | 10.3 |
| 118-74-1 | Hexachlorobenzene | U | 10.3 | ug/L | 2.06 | 10.3 |
| 85-01-8 | Phenanthrene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 120-12-7 | Anthracene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 84-74-2 | Di-n-butylphthalate | U | 10.3 | ug/L | 2.06 | 10.3 |
| 206-44-0 | Fluoranthene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 85-68-7 | Butylbenzylphthalate | U | 10.3 | ug/L | 2.06 | 10.3 |
| 56-55-3 | Benzo(a)anthracene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.3 | ug/L | 1.03 | 10.3 |
| 218-01-9 | Chrysene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.3 | ug/L | 2.06 | 10.3 |
| 117-84-0 | Di-n-octylphthalate | U | 10.3 | ug/L | 3.09 | 10.3 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 50-32-8 | Benzo(a)pyrene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.03 | ug/L | 0.206 | 1.03 |
| 86-74-8 | Carbazole | U | 1.03 | ug/L | 0.206 | 1.03 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.3 | ug/L | 2.06 | 10.3 |

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 201703 **METHOD TYPE:** SW846

**SAMPLE ID:** 201703001 **CLIENT ID:** AC1302

**CONTRACT:** SAIC09400

**MATRIX:** W **DATE RECEIVED** 26-JAN-08 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.50 | ug/L | U | | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

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DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201545 | Date Collected: | 01/23/2008 16:50 | Matrix: | WATER |
| Lab Sample ID: | 201545002 | Date Received: | 01/24/2008 15:05 | | |
| | | Client: | SA1C094 | Project: | SA1C09400 |
| Client ID: | AC2302 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 723384 | Inst: | VOA2.I | Dilution: | 1 |
| Run Date: | 02/04/2008 16:23 | Analyst: | CDS1 | Purge Vol: | 5 mL |
| Prep Date: | 02/04/2008 16:23 | Column: | DB-624 | Level: | LOW |
| Data File: | 2w119.d | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | | 8.52 = | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 10.4 = | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

# Semi-Volatile
# Certificate of Analysis
## Sample Summary

**SDG Number:** 201545
**Lab Sample ID:** 201545002

**Client ID:** AC2302
**Batch ID:** 721970
**Run Date:** 01/29/2008 15:23
**Prep Date:** 01/28/2008 17:06
**Data File:** s5a2920.d

**Date Collected:** 01/23/2008 16:50
**Date Received:** 01/24/2008 15:05
**Client:** SAIC094
**Method:** SW846 8270C
**Inst:** MSD5.I
**Analyst:** BJB1
**Aliquot:** 980 mL
**Column:** J&W DB-5MS

**Matrix:** WATER

**Project:** SAIC09400
**SOP Ref:** GL-OA-E-009
**Dilution:** 4
**Inj. Vol:** .5 uL
**Final Volume:** 1 mL
**Level:** LOW

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 40.8 U | ug/L | 4.08 | 40.8 |
| 95-57-8 | 2-Chlorophenol | U | 40.8 | ug/L | 8.16 | 40.8 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 40.8 | ug/L | 8.16 | 40.8 |
| 621-64-7 | N-Nitrosodipropylamine | U | 40.8 | ug/L | 8.16 | 40.8 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 40.8 | ug/L | 8.16 | 40.8 |
| 83-32-9 | Acenaphthene | U | 4.08 | ug/L | 1.27 | 4.08 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 40.8 | ug/L | 8.16 | 40.8 |
| 100-02-7 | 4-Nitrophenol | U | 40.8 | ug/L | 8.16 | 40.8 |
| 87-86-5 | Pentachlorophenol | U | 40.8 | ug/L | 8.16 | 40.8 |
| 129-00-0 | Pyrene | U | 4.08 | ug/L | 1.22 | 4.08 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 40.8 | ug/L | 8.16 | 40.8 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 40.8 | ug/L | 8.16 | 40.8 |
| 100-51-6 | Benzyl alcohol | U | 40.8 | ug/L | 8.16 | 40.8 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 40.8 | ug/L | 8.16 | 40.8 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 40.8 UJ CO5 | ug/L | 8.16 | 40.8 |
| 95-48-7 | o-Cresol | U | 40.8 U | ug/L | 8.16 | 40.8 |
| 65794-96-9 | m,p-Cresols | U | 40.8 | ug/L | 12.2 | 40.8 |
| 67-72-1 | Hexachloroethane | U | 40.8 | ug/L | 8.16 | 40.8 |
| 98-95-3 | Nitrobenzene | U | 40.8 | ug/L | 12.2 | 40.8 |
| 78-59-1 | Isophorone | U | 40.8 | ug/L | 8.16 | 40.8 |
| 88-75-5 | 2-Nitrophenol | U | 40.8 | ug/L | 8.16 | 40.8 |
| 105-67-9 | 2,4-Dimethylphenol | U | 40.8 | ug/L | 8.16 | 40.8 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 40.8 | ug/L | 12.2 | 40.8 |
| 120-83-2 | 2,4-Dichlorophenol | U | 40.8 | ug/L | 8.16 | 40.8 |
| 65-85-0 | Benzoic acid | U | 81.6 | ug/L | 24.5 | 81.6 |
| 91-20-3 | Naphthalene | | 108 = | ug/L | 1.22 | 4.08 |
| 106-47-8 | 4-Chloroaniline | U | 40.8 U | ug/L | 8.16 | 40.8 |
| 87-68-3 | Hexachlorobutadiene | U | 40.8 U | ug/L | 8.16 | 40.8 |
| 91-57-6 | 2-Methylnaphthalene | | 20.1 = | ug/L | 1.22 | 4.08 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 40.8 U | ug/L | 8.16 | 40.8 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 40.8 | ug/L | 8.16 | 40.8 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 40.8 | ug/L | 4.08 | 40.8 |
| 91-58-7 | 2-Chloronaphthalene | U | 4.08 | ug/L | 1.43 | 4.08 |
| 88-74-4 | o-Nitroaniline | U | 40.8 | ug/L | 8.16 | 40.8 |
| 99-09-2 | m-Nitroaniline | U | 40.8 | ug/L | 8.16 | 40.8 |
| 131-11-3 | Dimethylphthalate | U | 40.8 | ug/L | 8.16 | 40.8 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 40.8 | ug/L | 8.16 | 40.8 |
| 208-96-8 | Acenaphthylene | U | 4.08 | ug/L | 0.816 | 4.08 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

SDG Number: 201545
Lab Sample ID: 201545002

Client ID: AC2302
Batch ID: 721970
Run Date: 01/29/2008 15:23
Prep Date: 01/28/2008 17:06
Data File: s5a2920.d

Date Collected: 01/23/2008 16:50
Date Received: 01/24/2008 15:05
Client: SAIC094
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 980 mL
Column: J&W DB-5MS

Matrix: WATER

Project: SAIC09400
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 81.6 u | ug/L | 40.8 | 81.6 |
| 132-64-9 | Dibenzofuran | U | 40.8 | ug/L | 8.16 | 40.8 |
| 84-66-2 | Diethylphthalate | U | 40.8 | ug/L | 8.16 | 40.8 |
| 86-73-7 | Fluorene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 40.8 | ug/L | 8.16 | 40.8 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 40.8 | ug/L | 12.2 | 40.8 |
| 100-01-6 | p-Nitroaniline | U | 40.8 | ug/L | 12.2 | 40.8 |
| 122-39-4 | Diphenylamine | U | 40.8 | ug/L | 12.2 | 40.8 |
| 101-55-3 | 4-Bromophenylphenylether | U | 40.8 | ug/L | 8.16 | 40.8 |
| 118-74-1 | Hexachlorobenzene | U | 40.8 | ug/L | 8.16 | 40.8 |
| 85-01-8 | Phenanthrene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 120-12-7 | Anthracene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 84-74-2 | Di-n-butylphthalate | U | 40.8 | ug/L | 8.16 | 40.8 |
| 206-44-0 | Fluoranthene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 85-68-7 | Butylbenzylphthalate | U | 40.8 | ug/L | 8.16 | 40.8 |
| 56-55-3 | Benzo(a)anthracene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 40.8 | ug/L | 4.08 | 40.8 |
| 218-01-9 | Chrysene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 40.8 | ug/L | 8.16 | 40.8 |
| 117-84-0 | Di-n-octylphthalate | U | 40.8 | ug/L | 12.2 | 40.8 |
| 205-99-2 | Benzo(b)fluoranthene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 207-08-9 | Benzo(k)fluoranthene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 50-32-8 | Benzo(a)pyrene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 191-24-2 | Benzo(ghi)perylene | U | 4.08 | ug/L | 0.816 | 4.08 |
| 86-74-8 | Carbazole | U | 4.08 | ug/L | 0.816 | 4.08 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 40.8 | ug/L | 8.16 | 40.8 |



DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201545 METHOD TYPE: SW846

SAMPLE ID: 201545002 CLIENT ID: AC2302

CONTRACT: SAIC09400

MATRIX: W DATE RECEIVED 24-JAN-08 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.50 | ug/L | U | | MS | 0.5 | 1 | ICPMS6 | 080131-1 |

VL

DATA VALIDATION COPY

Volatile

## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 10:55 | Matrix: | WATER |
| Lab Sample ID: | 201685004 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AC2402 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 724237 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 02/05/2008 17:00 | Analyst: | SJWJ | Purge Vol: | 5 mL |
| Prep Date: | 02/05/2008 17:00 | Column: | DB-624 | Level: | LOW |
| Data File: | 7w219.d | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Semi-Volatile
# Certificate of Analysis
# Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 10:55 | Matrix: | WATER |
| Lab Sample ID: | 201685004 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SA1C094 | Project: | SA1C09400 |
| Client ID: | AC2402 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 722157 | Inst: | MSD7.1 | Dilution: | 1 |
| Run Date: | 01/30/2008 15:58 | Analyst: | RMB | Inj. Vol: | .5 uL |
| Prep Date: | 01/29/2008 17:10 | Aliquot: | 980 mL | Final Volume: | 1 mL |
| Data File: | s7a3015.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | U | 10.2 U | ug/L | 1.02 | 10.2 |
| 95-57-8 | 2-Chlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.2 | ug/L | 2.04 | 10.2 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 83-32-9 | Acenaphthene | U | 1.02 | ug/L | 0.316 | 1.02 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-02-7 | 4-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-86-5 | Pentachlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 129-00-0 | Pyrene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 100-51-6 | Benzyl alcohol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-48-7 | o-Cresol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 65794-96-9 | m,p-Cresols | U | 10.2 | ug/L | 3.06 | 10.2 |
| 67-72-1 | Hexachloroethane | U | 10.2 | ug/L | 2.04 | 10.2 |
| 98-95-3 | Nitrobenzene | U | 10.2 | ug/L | 3.06 | 10.2 |
| 78-59-1 | Isophorone | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-75-5 | 2-Nitrophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.2 | ug/L | 3.06 | 10.2 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 65-85-0 | Benzoic acid | U | 20.4 | ug/L | 6.12 | 20.4 |
| 91-20-3 | Naphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 106-47-8 | 4-Chloroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 87-68-3 | Hexachlorobutadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.02 | ug/L | 0.306 | 1.02 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.2 | ug/L | 2.04 | 10.2 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.2 | ug/L | 1.02 | 10.2 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.02 | ug/L | 0.357 | 1.02 |
| 88-74-4 | o-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 99-09-2 | m-Nitroaniline | U | 10.2 | ug/L | 2.04 | 10.2 |
| 131-11-3 | Dimethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 208-96-8 | Acenaphthylene | U | 1.02 | ug/L | 0.204 | 1.02 |

DATA VALIDATION COPY

# Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201685 | Date Collected: | 01/24/2008 10:55 | Matrix: | WATER |
| Lab Sample ID: | 201685004 | Date Received: | 01/25/2008 14:07 | | |
| | | Client: | SAIC096 | Project: | SAIC09400 |
| Client ID: | AC2402 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 722157 | Inst: | MSD7.I | Dilution: | 1 |
| Run Date: | 01/30/2008 15:58 | Analyst: | RMB | Inj. Vol: | .5 ul. |
| Prep Date: | 01/29/2008 17:10 | Aliquot: | 980 ml. | Final Volume: | 1 ml. |
| Data File: | s7a3015.d | Column: | J & W DB-5MS | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | U | 20.4 U | ug/L | 10.2 | 20.4 |
| 132-64-9 | Dibenzofuran | U | 10.2 | ug/L | 2.04 | 10.2 |
| 84-66-2 | Diethylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 86-73-7 | Fluorene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.2 | ug/L | 3.06 | 10.2 |
| 100-01-6 | p-Nitroaniline | U | 10.2 | ug/L | 3.06 | 10.2 |
| 122-39-4 | Diphenylamine | U | 10.2 | ug/L | 3.06 | 10.2 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.2 | ug/L | 2.04 | 10.2 |
| 118-74-1 | Hexachlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |
| 85-01-8 | Phenanthrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-12-7 | Anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 84-74-2 | Di-n-butylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 206-44-0 | Fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 85-68-7 | Butylbenzylphthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 56-55-3 | Benzo(a)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.2 | ug/L | 1.02 | 10.2 |
| 218-01-9 | Chrysene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.2 | ug/L | 2.04 | 10.2 |
| 117-84-0 | Di-n-octylphthalate | U | 10.2 | ug/L | 3.06 | 10.2 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 50-32-8 | Benzo(a)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.02 | ug/L | 0.204 | 1.02 |
| 86-74-8 | Carbazole | U | 1.02 | ug/L | 0.204 | 1.02 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.2 | ug/L | 2.04 | 10.2 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201685 METHOD TYPE: SW846

SAMPLE ID: 201685004 CLIENT ID: AC2402

CONTRACT: SAIC09400

MATRIX: W DATE RECEIVED 25-JAN-08 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | MDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 1.1 J | ug/L | B | | MS | 0.5 | 1 | ICPMS5 | 080205-1 |

DATA VALIDATION COPY

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Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, TN 37830 (865)481-4600

200801302 99

201545

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM 82

PROJECT NAME: ~~Ft. Stewart Tanker Purge~~ Fire training Area LTM

PROJECT NUMBER: 01-1055-04-~~8750 200~~ 0511-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature) Wayne H. Parker (Printed Name) WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|
| AC1002 | 01/23/08 | 1215 | WATER | 2 | 2 | 1 | 5 | | |
| AC2302 | 01/23/08 | 1650 | WATER | 2 | 2 | 1 | 5 | | |

IV-59

| | | | | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: Wayne H. Parker | Date/Time 01/24/08 1200 | RECEIVED BY: P. Trent | Date/Time 1/24/08 15:05 | TOTAL NUMBER OF CONTAINERS: 10 | Cooler Temperature: |
| COMPANY NAME: SAIC | | COMPANY NAME: G.E.L. | | Cooler ID: | FEDEX NUMBER: |
| RECEIVED BY: Ben Watkins | Date/Time 01/24/08 1200 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/24/08 1505 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |

Science Applications International Corporation
An Employee-Owned Company
151 Lafayette Dr., Oak Ridge, TN 37831 (423)481-4600

# CHAIN OF CUSTODY RECORD 201685.1

COC NO.: HLTM 83

PROJECT NAME: Hunter ~~DAACG~~ Fire Trging Grds LTM

CHARGE NUMBER: 01-1055-04-~~3056-200~~ 0511-200 WHP 01/24/08

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | ~~TOC~~ | BTEX | SVOC | Lead | No. of Bottles/ Vials: | SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|
| AC1102 | 01/24/08 | 0830 | WATER | | 2 | 2 | 1 | 5 | | |
| AC1104 | 01/24/08 | 0830 | WATER | | 2 | 2 | 1 | 5 | | |
| AC0602 | 01/24/08 | 0445 | WATER | | 2 | 2 | 1 | 5 | | |
| AC2402 | 01/24/08 | 1055 | WATER | | 2 | 2 | 1 | 5 | | |
| AC0402 | 01/24/08 | 1230 | WATER | | 2 | 2 | 1 | 5 | | |
| AC0406 | 01/24/08 | 1120 | WATER | | 2 | 2 | 1 | 5 | | |
| AC0802 | 01/24/08 | 1340 | WATER | | 2 | 2 | 1 | 5 | | |
| AC0902 | 01/24/08 | 1520 | WATER | | 2 | 2 | 1 | 5 | | |
| | | | | | | WHP | | | | |

IA-60

| | | | | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: Wayne H. Parker | Date/Time 01/25/08 1120 | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: | Cooler Temperature: |
| COMPANY NAME: SAIC | | COMPANY NAME: | | Cooler ID: | FEDEX NUMBER: |
| RECEIVED BY: Ben Watkins | Date/Time 01/25/08 1120 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Watkins | Date/Time 01/25/08 1407 | RECEIVED BY: M. Smith | Date/Time 1-25-08 1407 | | |
| COMPANY NAME: GEL | | COMPANY NAME: GEL | | | |

SAIC An Employee-Owned Company
Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, TN 37831 (423)481-4600

# CHAIN OF CUSTODY RECORD 201703?

COC NO.: HLTM85

PROJECT NAME: Hunter DAACG Fire Training Area

CHARGE NUMBER: 01-1055-04-~~3058-200~~ 0511-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

| Sample ID | Date Collected | Time Collected | Matrix | VOC | BTEX | SVOC | Lead | No. of Bottles/ Vials: | SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|
| AC1302 | 01/25/08 | 1810 | WATER | | 2 | 2 | 1 | 5 | | |

REQUESTED PARAMETERS

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

IV-61

WHP

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Wayne H. Parker | 01/26/08 1120 | M. Smith MS / P. Nent | 1/26/08 1415 MS |
| COMPANY NAME: SAIC | | COMPANY NAME: ~~S. & GEL~~ MS | |
| RECEIVED BY: P. Nent | Date/Time 01/26/08 1120 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: P. Nent | Date/Time 1/26/14:15 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

TOTAL NUMBER OF CONTAINERS: 5

Cooler ID:

Cooler Temperature:

FEDEX NUMBER:

An Employee-Owned Company
Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, TN 37831 (423)481-4600

# CHAIN OF CUSTODY RECORD

201707 1

COC NO.: HLTM186

PROJECT NAME: Hunter DAACG Fire Training Area

CHARGE NUMBER: 01-1055-04-~~3056-200~~ 0511-2~~00~~

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| | Sample ID | Date Collected | Time Collected | Matrix | VOC | BTEX | SVOC | Lead | No. of Bottles/ Vials: | SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .1 | TA0622 | 01/26/08 | 0730 | WATER | | 2 | | | 2 | | |
| .2 | ACO202 | 01/26/08 | 1040 | WATER | | 2 | 2 | 1 | 5 | | |

IV-62

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 7 | Cooler Temperature: |
|---|---|---|---|---|---|
| Wayne H. Parker | 01/27/08 | | | Cooler ID: | FEDEX NUMBER: |
| COMPANY NAME: SAIC | 1200 | COMPANY NAME: | | | |
| RECEIVED BY: P. Went | Date/Time 01/27/08 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: GEL | 1200 | COMPANY NAME: | | | |
| RELINQUISHED BY: P. Went | Date/Time 1/27/08 | RECEIVED BY: Mellie Smith | Date/Time 1-27-08 | | |
| COMPANY NAME: G.E.L. | 14:30 | COMPANY NAME: GEL | 1430 | | |

# DAACG CHLORINATED SOLVENTS AREA

# JANUARY 2008

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **201704** | Date Collected: | 01/25/2008 08:30 | Matrix: | WATER |
| **Lab Sample ID:** | **201704002** | Date Received: | 01/26/2008 14:15 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| **Client ID:** | **AS0182** | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| **Batch ID:** | **724340** | Inst: | VOA7.I | Dilution: | 1 |
| **Run Date:** | **02/06/2008 01:26** | Analyst: | SJW1 | Purge Vol: | 5 mL |
| **Prep Date:** | **02/06/2008 01:26** | | | | |
| **Data File:** | **7w238.d** | Column: | DB-624 | Level: | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.16 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.52 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 1.07 = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 123 J N03 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 3.62 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201704 | **Date Collected:** | 01/25/2008 08:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201704003 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AS0184 DUPLICATE | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724340 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 02/06/2008 01:52 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/06/2008 01:52 | **Column:** | DB-624 | **Level:** | LOW |
| **Data File:** | 7w239.d | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.31 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.54 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 1.03 = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 130 J ND3 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 3.65 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **201704** | **Date Collected:** | **01/25/2008 09:00** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **201704004** | **Date Received:** | **01/26/2008 14:15** | | |
| | | **Client:** | **SAIC094** | **Project:** | **SAIC09400** |
| **Client ID:** | **AS0282** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **724340** | **Inst:** | **VOA7.I** | **Dilution:** | **1** |
| **Run Date:** | **02/06/2008 02:19** | **Analyst:** | **SJW1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **02/06/2008 02:19** | **Column:** | **DB-624** | **Level:** | **LOW** |
| **Data File:** | **7w240.d** | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.81 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 126 J NO3 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201704 | **Date Collected:** | 01/25/2008 09:35 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201704005 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SA1C094 | **Project:** | SA1C09400 |
| **Client ID:** | AS0382 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724340 | **Inst:** | VOA7.1 | **Dilution:** | 1 |
| **Run Date:** | 02/06/2008 02:45 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/06/2008 02:45 | **Column:** | DB-624 | **Level:** | LOW |
| **Data File:** | 7w241.d | | | | |

U SD

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.50 | 1.00 |
| 75-01-4 | Vinyl chloride | D E 578 | 6[illegible] = | ug/L | 0.50 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.50 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.50 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 4.06 = | ug/L | 0.30 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.30 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.25 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.30 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.30 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.25 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.25 | 1.00 |
| 71-43-2 | Benzene | | 7.60 = | ug/L | 0.30 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.25 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.25 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.25 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.25 | 1.00 |
| 108-88-3 | Toluene | | 35.6 = | ug/L | 0.25 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.25 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.25 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.25 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.25 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.25 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.25 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.25 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.25 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.25 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.25 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D E 6710 ~~3460~~ = | | ug/L | 0.30 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.831 J | ug/L | 0.25 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201704 | **Date Collected:** | 01/25/2008 09:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201704006 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AS0386 RINSATE | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724340 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 02/06/2008 19:35 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/06/2008 19:35 | | | | |
| **Data File:** | 7w319.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | | 12.0 J COS | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | BJ | 5.0 ~~3.18~~ U F01, | ug/L F06 | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 U | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | | 9.35 = | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | ug/L | | |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201704 | **Date Collected:** | 01/25/2008 10:05 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201704007 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AS0482 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724340 | **Inst:** | VOA7.1 | **Dilution:** | 1 |
| **Run Date:** | 02/06/2008 03:38 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/06/2008 03:38 | | | | |
| **Data File:** | 7w243.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 44.0 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 1.51 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 2.06 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | | 1.08 = | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.375 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) (E) | | 1100 J NO3 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 201704 | Date Collected: | 01/25/2008 10:35 | Matrix: | WATER |
| Lab Sample ID: | 201704008 | Date Received: | 01/26/2008 14:15 | | |
| | | Client: | SAIC094 | Project: | SAIC09400 |
| Client ID: | AS0582 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 724340 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 02/06/2008 20:03 | Analyst: | SJW1 | Purge Vol: | 5 mL |
| Prep Date: | 02/06/2008 20:03 | Column: | DB-624 | Level: | LOW |
| Data File: | 7w320.d | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 2.39 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 UJ COS | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | BJ | 5.03 U FOI, | ug/L FO6 | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 U | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 45.1 = | ug/L | 0.300 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 1330-20-7 | Xylenes (total) | | | | | |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201704 | **Date Collected:** | 01/25/2008 11:05 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201704009 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SA1C094 | **Project:** | SA1C09400 |
| **Client ID:** | AS0682 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724340 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 02/06/2008 04:32 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/06/2008 04:32 | **Column:** | DB-624 | **Level:** | LOW |
| **Data File:** | 7w245.d | | | | |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) (E) | | 187 J ND3 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **201704** | **Date Collected:** | **01/25/2008 11:30** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **201704010** | **Date Received:** | **01/26/2008 14:15** | | |
| | | **Client:** | **SAIC094** | **Project:** | **SAIC09400** |
| **Client ID:** | **AS0782** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **724340** | **Inst:** | **VOA7.I** | **Dilution:** | **1** |
| **Run Date:** | **02/06/2008 04:58** | **Analyst:** | **SJW1** | **Purge Vol:** | **5 mL** |
| **Prep Date:** | **02/06/2008 04:58** | | | | |
| **Data File:** | **7w246.d** | **Column:** | **DB-624** | **Level:** | **LOW** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 3.84 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | J | 0.796 J | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.306 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.478 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) (E) | | 1160 J No3 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201704 | **Date Collected:** | 01/25/2008 11:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201704011 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AS0784 DUPLICATE | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724340 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 02/06/2008 05:25 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/06/2008 05:25 | | | | |
| **Data File:** | 7w247.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 4.05 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | J | 0.806 J | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.308 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.486 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) (E) | | 1230 J N03 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201704 | **Date Collected:** | 01/25/2008 11:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201704012 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SA1C094 | **Project:** | SA1C09400 |
| **Client ID:** | AS0882 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724340 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 02/06/2008 20:29 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/06/2008 20:29 | | | | |
| **Data File:** | 7w321.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 UJ CO5 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | BJ | 5.0 ~~2.90~~ U F01, | ug/L F06 | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 U | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 7.17 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201704 | **Date Collected:** | 01/25/2008 14:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201704014 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AS1482 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724340 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 02/06/2008 06:44 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/06/2008 06:44 | | | | |
| **Data File:** | 7w250.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | J | 0.306 J | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | | 1.92 = | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) (E) | | 710 J ND3 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 201704 | **Date Collected:** | 01/25/2008 13:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 201704013 | **Date Received:** | 01/26/2008 14:15 | | |
| | | **Client:** | SAIC094 | **Project:** | SAIC09400 |
| **Client ID:** | AS2182 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 724340 | **Inst:** | VOA7.1 | **Dilution:** | 1 |
| **Run Date:** | 02/06/2008 20:56 | **Analyst:** | SJW1 | **Purge Vol:** | 5 mL |
| **Prep Date:** | 02/06/2008 20:56 | | | | |
| **Data File:** | 7w322.d | **Column:** | DB-624 | **Level:** | LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 U5 C05 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | BJ | 5.0 ~~2.85~~ U F01, | ug/L F06 | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 U | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 74-97-5 | Bromochloromethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-93-4 | 1,2-Dibromoethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 9.60 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

SAIC An Employee-Owned Company
Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, TN 37831 (423)481-4600

PAGE 1 OF 2

# CHAIN OF CUSTODY RECORD 20170401

COC NO.: HLTM184

PROJECT NAME: Hunter DAACG Chlorinated Solvent Plume

CHARGE NUMBER: 01-1055-04-~~3056-200~~ 0511-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | REQUESTED PARAMETERS: VOC | BTEX | SVOC | Lead | No. of Bottles/ Vials: | SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|
| TH0621 | 01/25/08 | 0730 | WATER | 2 | | | | 2 | | |
| AS0182 | 01/25/08 | 0830 | WATER | 2 | | | | 2 | | |
| AS0184 | 01/25/08 | 0830 | WATER | 2 | | | | 2 | | |
| AS0282 | 01/25/08 | 0900 | WATER | 2 | | | | 2 | | |
| AS0382 | 01/25/08 | 0935 | WATER | 2 | | | | 2 | | |
| AS0386 | 01/25/08 | 0925 | WATER | 2 | | | | 2 | | |
| AS0482 | 01/25/08 | 1005 | WATER | 2 | | | | 2 | | |
| AS0582 | 01/25/08 | 1035 | WATER | 2 | | | | 2 | | |
| AS0682 | 01/25/08 | 1105 | WATER | 2 | | | | 2 | | |
| AS0782 | 01/25/08 | 1130 | WATER | 2 | | | | 2 | | |
| AS0784 | 01/25/08 | 1130 | WATER | 2 | | | | 2 | | |
| AS0882 | 01/25/08 | 1155 | WATER | 2 | | | | 2 | | |
| AS2182 | 01/25/08 | 1345 | WATER | 2 | | | | 2 | | |

| | | | | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: Wayne H. Parker | Date/Time 01/26/08 1120 | RECEIVED BY: Mellie Smith | Date/Time 1-26-08 1415 | TOTAL NUMBER OF CONTAINERS: See Page 2 | Cooler Temperature: |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | Cooler ID: | FEDEX NUMBER: |
| RECEIVED BY: P. Nent | Date/Time 01/26/08 1120 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: S.B.L. | | COMPANY NAME: | | | |
| RELINQUISHED BY: P. Nent | Date/Time 1/26/08 14:15 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: S.B.L. | | COMPANY NAME: | | | |

IV-78

An Employee-Owned Company
Science Applications International Corporation
151 Lafayette Dr., Oak Ridge, TN 37831 (423)481-4600



# CHAIN OF CUSTODY RECORD

COC NO.: HLTM84

PROJECT NAME: Hunter DAACG Chlorinated Solvent Plume

CHARGE NUMBER: 01-1055-04-~~3056.200~~ 0511-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | REQUESTED PARAMETERS: VOC | BTEX | SVOC | Lead | No. of Bottles/ Vials: | SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|
| AS1482 | 01/25/08 | 1440 | 1440 | 2 | | | | 2 | | |

IV-79

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 28 | Cooler Temperature: |
|---|---|---|---|---|---|
| Wayne H. Parker | 01/28/08 1120 | Melba Smith | 1-26-08 1415 | Cooler ID: | FEDEX NUMBER: |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | | |
| RECEIVED BY: P. Nent | Date/Time 01/28/08 1120 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: S. B. S. | | COMPANY NAME: | | | |
| RELINQUISHED BY: P. Nent | Date/Time 1/26/08 14:15 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: S. B. S. | | COMPANY NAME: | | | |

# ANALYTICAL LABORATORY INFORMATION AND DATA VALIDATION CODES

**STATE OF GEORGIA**
**ENVIRONMENTAL LABORATORY ACCREDITATION**

| | | |
|---|---|---|
| | Name of Laboratory: | **General Engineering Laboratories, Inc.** |
| | Address: | P.O. Box 30712<br>2040 Savage Road<br>Charleston, SC 29407 |
| | Contact: | Bob Pullano or Wendy Dimmick |
| | Telephone number: | (843) 556-8171 |
| | Fax number: | (843) 766-1178 |
| #1 | Accrediting Authority: | **State of South Carolina** |
| | Accreditation Number: | SC-10120001 |
| | Effective Date: | Extension granted while recertification in process; January 27, 2003 |
| | Expiration Date: | March 26, 2007 |
| | Accreditation Scope: | SDWA, CWA, RCRA, CERCLA |
| #2 | Accrediting Authority: | **State of Florida** |
| | Accreditation Number: | E-87156 |
| | Effective Date: | July 1, 2001 (initial and reaccredited on July 1 each year thereafter) |
| | Expiration Date: | June 30, 2007 |
| | Accreditation Scope: | SDWA, CWA, RCRA, CERCLA |

## DATA VALIDATION REASON CODES

### *Organic, Inorganic, and Radiological Analytical Data*

**Holding Times**

A01 Extraction holding times were exceeded.
A02 Extraction holding times were grossly exceeded.
A03 Analysis holding times were exceeded.
A04 Analysis holding times were grossly exceeded.
A05 Samples were not preserved properly.
A06 Professional judgment was used to qualify the data.

**GC/MS Tuning**

B01 Mass calibration was in error, even after applying expanded criteria.
B02 Mass calibration was not performed every 12 hours.
B03 Mass calibration did not meet ion abundance criteria.
B04 Professional judgment was used to qualify the data.

**Initial/Continuing Calibration – Organics**

C01 Initial calibration RRF was <0.05.
C02 Initial calibration RDS was >30%.
C03 Initial calibration sequence was not followed as required.
C04 Continuing calibration RRF was <0.05.
C05 Continuing calibration %D was >25%.
C06 Continuing calibration was not performed at the required frequency.
C07 Resolution criteria were not met.
C08 RPD criteria were not met.
C09 RDS criteria were not met.
C10 Retention time of compounds was outside windows.
C11 Compounds were not adequately resolved.
C12 Breakdown of endrin or DDT was >30%.
C13 Combined breakdown of endrin/DDT was >30%.
C14 Professional judgment was used to qualify the data.

**Initial/Continuing Calibration – Inorganics**

D01 ICV or CCV was not performed for every analyte.
D02 ICV recovery was above the upper control limit.
D03 ICV recovery was below the lower control limit.
D04 CCV recovery was above the upper control limit.
D05 CCV recovery was below the lower control limit.
D06 Standard curve was not established with the minimum number of standards.
D07 Instrument was not calibrated daily or each time the instrument was set up.
D08 Correlation coefficient was <0.995.
D09 Mid-range cyanide standard was not distilled.
D10 Professional judgment was used to qualify the data.

**ICP and Furnace Requirements**

E01 Interference check sample recovery was outside the control limit.
E02 Duplicate injections were outside the control limit.
E03 Post-digestion spike recovery was outside the control limit.
E04 MSA was required but not performed.
E05 MSA correlation coefficient was <0.995.
E06 MSA spikes were not at the correct concentration.
E07 Serial dilution criteria were not met.
E08 Professional judgment was used to qualify the data.

**Blanks**

F01 Sample data were qualified as a result of the method blank.
F02 Sample data were qualified as a result of the field blank.
F03 Sample data were qualified as a result of the equipment rinsate.
F04 Sample data were qualified as a result of the trip blank.
F05 Gross contamination exists.
F06 Concentration of the contaminant was detected at a level below the CRQL.
F07 Concentration of the contaminant was detected at a level less than the action limit, but greater than the CRQL.
F08 Concentration of the contaminant was detected at a level that exceeds the action level.
F09 No laboratory blanks were analyzed.
F10 Blank had a negative value >2 times the IDL.
F11 Blanks were not analyzed at required frequency.
F12 Professional judgment was used to qualify the data.

**Surrogate/Radiological Chemical Recovery**

G01 Surrogate/radiological chemical recovery was above the upper control limit.
G02 Surrogate/radiological chemical recovery was below the lower control limit.
G03 Surrogate recovery was <10%.
G04 Surrogate recovery was zero.
G05 Surrogate/radiological chemical recovery data were not present.
G06 Professional judgment was used to qualify the data.
G07 Radiological chemical recovery was <20%.
G08 Radiological chemical recovery was >150%.

**Matrix Spike/Matrix Spike Duplicate (MS/MSD)**

H01 MS/MSD recovery was above the upper control limit.
H02 MS/MSD recovery was below the lower control limit.
H03 MD/MSD recovery was <10%.
H04 MS/MSD pairs exceeded the RPD limit.
H05 No action was taken on MS/MSD limit.
H06 Professional judgment was used to qualify the data.
H07 Radiological MS/MSD recovery was <20%.
H08 Radiological MS/MSD recovery was >160%.
H09 Radiological MS/MSD samples were not analyzed at the required frequency.

## DATA VALIDATION REASON CODES

### *Organic, Inorganic, and Radiological Analytical Data (continued)*

| | |
|---|---|
| **Matrix Spike**<br>I01 MS recovery was above the upper control limit.<br>I02 MS recovery was below the lower control limit.<br>I03 MS recovery was <30%.<br>I04 No action was taken on MS data.<br>I05 Professional judgment was used to qualify the data. | **Laboratory Duplicate**<br>J01 Duplicate RPD/radiological duplicate error ratio (DER) was outside the control limit.<br>J02 Duplicate sample results were >5 times the CRDL.<br>J03 Duplicate sample results were <5 times the CRDL.<br>J04 Professional judgment was used to qualify the data.<br>J05 Duplicate was not analyzed at the required frequency. |
| **Internal Area Summary**<br>K01 Area counts were outside the control limits.<br>K02 Extremely low area counts or performance was exhibited by a major drop-off.<br>K03 IS retention time varied by more than 30 seconds.<br>K04 Professional judgment was used to qualify the data. | **Pesticide Cleanup Checks**<br>L01 10% recovery was obtained during either check.<br>L02 Recoveries during either check were >120%.<br>L03 GPC cleanup recoveries were outside the control limits.<br>L04 Florisil cartridge cleanup recoveries were outside the control limits.<br>L05 Professional judgment was used to qualify the data. |
| **Target Compound Identification**<br>M01 Incorrect identifications were made.<br>M02 Qualitative criteria were not met.<br>M03 Cross contamination occurred.<br>M04 Confirmatory analysis was not performed.<br>M05 No results were provided.<br>M06 Analysis occurred outside 12-hour GC/MS window.<br>M07 Professional judgment was used to qualify the data.<br>M08 The %D between the two pesticide/PCB column checks was >25%. | **Compound Quantitation and Reported CRQLs**<br>N01 Quantitation limits were affected by large, off-scale peaks.<br>N02 MDLs reported by the laboratory exceeded corresponding CRQLs.<br>N03 Professional judgment was used to qualify the data. |
| **Tentatively Identified Compounds (TICs)**<br>O01 Compound was suspected laboratory contaminant and was not detected in the blank.<br>O02 TIC result was not above 10 times the level found in the blank.<br>O03 Professional judgment was used to qualify analytical data. | **Laboratory Control Samples (LCSs)**<br>P01 LCS recovery was above upper control limit.<br>P02 LCS recovery was below lower control limit.<br>P03 LCS recovery was <50%.<br>P04 No action was taken on the LCS data.<br>P05 LCS was not analyzed at required frequency.<br>P06 Radiological LCS recovery was <50% for aqueous samples, <40% for solid samples.<br>P07 Radiological LCS recovery was >150% for aqueous samples, >160% for solid samples.<br>P08 Professional judgment was used to qualify the data. |
| **Field Duplicate**<br>Q01 Field duplicate RPDs were >30% for water and/or >50% for soil.<br>Q02 Radiological field duplicate error ratio (DER) was outside the control limit.<br>Q03 Duplicate sample results were >5 times the CRDL.<br>Q04 Duplicate sample results were <5 times the CRDL. | **Radiological Calibration**<br>R01 Efficiency calibration criteria were not met.<br>R02 Energy calibration criteria were not met.<br>R03 Resolution calibration criteria were not met.<br>R04 Background determination criteria were not met.<br>R05 Quench curve criteria were not met.<br>R06 Absorption curve criteria were not met.<br>R07 Plateau curve criteria were not met.<br>R08 Professional judgment was used to qualify the data. |
| **Radiological Calibration Verification**<br>S01 Efficiency verification criteria were not met.<br>S02 Energy verification criteria were not met.<br>S03 Resolution verification criteria were not met.<br>S04 Background verification criteria were not met.<br>S05 Cross-talk verification criteria were not met.<br>S06 Professional judgment was used to qualify the data. | |

# FORMER FIRE TRAINING AREA

# JANUARY 2006

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0262

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986012

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U453

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 5.0 | U | |
| 75-15-0 | Carbon disulfide | 2.2 | J | J |
| 75-09-2 | Methylene chloride | 5.0 | U | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 1.0 | U | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/15/2006 12:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995017 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0262 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 23:19 | **Analyst:** | PAM | **Aliquot:** | 1060 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1060 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 9.43 | ug/L | 2.83 | 9.43 |
| 108-95-2 | Phenol | U | 9.43 | ug/L | 0.943 | 9.43 |
| 95-57-8 | 2-Chlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.43 | ug/L | 1.89 | 9.43 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 83-32-9 | Acenaphthene | U | 0.943 | ug/L | 0.292 | 0.943 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 100-02-7 | 4-Nitrophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 87-86-5 | Pentachlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 129-00-0 | Pyrene | U | 0.943 | ug/L | 0.283 | 0.943 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 95-48-7 | o-Cresol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 65794-96-9 | m,p-Cresols | U | 9.43 | ug/L | 2.83 | 9.43 |
| 67-72-1 | Hexachloroethane | U | 9.43 | ug/L | 1.89 | 9.43 |
| 98-95-3 | Nitrobenzene | U | 9.43 | ug/L | 2.83 | 9.43 |
| 78-59-1 | Isophorone | U | 9.43 | ug/L | 1.89 | 9.43 |



DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/15/2006 12:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995017 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0262 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 23:19 | **Analyst:** | PAM | **Aliquot:** | 1060 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1060 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.43 | ug/L | 2.83 | 9.43 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 91-20-3 | Naphthalene | U | 0.943 | ug/L | 0.283 | 0.943 |
| 106-47-8 | 4-Chloroaniline | U | 9.43 | ug/L | 1.89 | 9.43 |
| 87-68-3 | Hexachlorobutadiene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.943 | ug/L | 0.283 | 0.943 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 92-52-4 | 1,1'-Biphenyl | U | 9.43 | ug/L | 2.83 | 9.43 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.43 | ug/L | 0.943 | 9.43 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.943 | ug/L | 0.330 | 0.943 |
| 88-74-4 | o-Nitroaniline | U | 9.43 | ug/L | 1.89 | 9.43 |
| 99-09-2 | m-Nitroaniline | U | 9.43 | ug/L | 1.89 | 9.43 |
| 131-11-3 | Dimethylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 208-96-8 | Acenaphthylene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 51-28-5 | 2,4-Dinitrophenol | U | 18.9 | ug/L | 9.43 | 18.9 |
| 132-64-9 | Dibenzofuran | U | 9.43 | ug/L | 1.89 | 9.43 |
| 84-66-2 | Diethylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |

DATA VALIDATION
COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/15/2006 12:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995017 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SA1C072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0262 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 23:19 | **Analyst:** | PAM | **Aliquot:** | 1060 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1060 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 0.943 U | ug/L | 0.189 | 0.943 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.43 | ug/L | 2.83 | 9.43 |
| 100-01-6 | p-Nitroaniline | U | 9.43 | ug/L | 2.83 | 9.43 |
| 122-39-4 | Diphenylamine | U | 9.43 | ug/L | 2.83 | 9.43 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 118-74-1 | Hexachlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 1912-24-9 | Atrazine | U | 9.43 | ug/L | 1.89 | 9.43 |
| 85-01-8 | Phenanthrene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 120-12-7 | Anthracene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 84-74-2 | Di-n-butylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 206-44-0 | Fluoranthene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 85-68-7 | Butylbenzylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 56-55-3 | Benzo(a)anthracene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.43 | ug/L | 0.943 | 9.43 |
| 218-01-9 | Chrysene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 117-84-0 | Di-n-octylphthalate | U | 9.43 | ug/L | 2.83 | 9.43 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 50-32-8 | Benzo(a)pyrene | U | 0.943 | ug/L | 0.189 | 0.943 |



DATA VALIDATION
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## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/15/2006 12:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995017 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SA1C072 | **Project:** | SA1C07200 |
| **Client ID:** | AC0262 | **Method:** | SW846 8270C | **SOP Ref:** | GL–OA–E–009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 23:19 | **Analyst:** | PAM | **Aliquot:** | 1060 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1060 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 193–39–5 | Indeno(1,2,3–cd)pyrene | U | 0.943 | U | ug/L | 0.189 | 0.943 |
| 53–70–3 | Dibenzo(a,h)anthracene | U | 0.943 | | ug/L | 0.189 | 0.943 |
| 191–24–2 | Benzo(ghi)perylene | U | 0.943 | | ug/L | 0.189 | 0.943 |
| 86–74–8 | Carbazole | U | 9.43 | | ug/L | 0.189 | 9.43 |
| 98–55–5 | alpha–Terpineol | U | 9.43 | | ug/L | 2.83 | 9.43 |

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995004 CLIENT ID: AC0262

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2.6 J | ug/L | B | | P | 2 | 1 | TRACE2 | 012006 |

DATA VALIDATION
COPY

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0266

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U419

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 4.2 | J | J |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 0.37 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 15:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995015 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0266 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 22:38 | **Analyst:** | PAM | **Aliquot:** | 1060 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1060 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 9.43 U | ug/L | 2.83 | 9.43 |
| 108-95-2 | Phenol | U | 9.43 | ug/L | 0.943 | 9.43 |
| 95-57-8 | 2-Chlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.43 | ug/L | 1.89 | 9.43 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 83-32-9 | Acenaphthene | U | 0.943 | ug/L | 0.292 | 0.943 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 100-02-7 | 4-Nitrophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 87-86-5 | Pentachlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 129-00-0 | Pyrene | U | 0.943 | ug/L | 0.283 | 0.943 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 95-48-7 | o-Cresol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 65794-96-9 | m,p-Cresols | U | 9.43 | ug/L | 2.83 | 9.43 |
| 67-72-1 | Hexachloroethane | U | 9.43 | ug/L | 1.89 | 9.43 |
| 98-95-3 | Nitrobenzene | U | 9.43 | ug/L | 2.83 | 9.43 |
| 78-59-1 | Isophorone | U | 9.43 | ug/L | 1.89 | 9.43 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 15:30 | Matrix: | WATER |
| Lab Sample ID: | 153995015 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SA1C072 | Project: | SA1C07200 |
| Client ID: | AC0266 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 22:38 | Analyst: | PAM | Aliquot: | 1060 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 1060 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.43 | ug/L | 2.83 | 9.43 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 91-20-3 | Naphthalene | U | 0.943 | ug/L | 0.283 | 0.943 |
| 106-47-8 | 4-Chloroaniline | U | 9.43 | ug/L | 1.89 | 9.43 |
| 87-68-3 | Hexachlorobutadiene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.943 | ug/L | 0.283 | 0.943 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 92-52-4 | 1,1'-Biphenyl | U | 9.43 | ug/L | 2.83 | 9.43 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.43 | ug/L | 0.943 | 9.43 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.943 | ug/L | 0.330 | 0.943 |
| 88-74-4 | o-Nitroaniline | U | 9.43 | ug/L | 1.89 | 9.43 |
| 99-09-2 | m-Nitroaniline | U | 9.43 | ug/L | 1.89 | 9.43 |
| 131-11-3 | Dimethylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 208-96-8 | Acenaphthylene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 51-28-5 | 2,4-Dinitrophenol | U | 18.9 | ug/L | 9.43 | 18.9 |
| 132-64-9 | Dibenzofuran | U | 9.43 | ug/L | 1.89 | 9.43 |
| 84-66-2 | Diethylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |



DATA VALIDATION
COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 15:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995015 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0266 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 22:38 | **Analyst:** | PAM | **Aliquot:** | 1060 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1060 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 0.943 U | ug/L | 0.189 | 0.943 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.43 | ug/L | 2.83 | 9.43 |
| 100-01-6 | p-Nitroaniline | U | 9.43 | ug/L | 2.83 | 9.43 |
| 122-39-4 | Diphenylamine | U | 9.43 | ug/L | 2.83 | 9.43 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 118-74-1 | Hexachlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 1912-24-9 | Atrazine | U | 9.43 | ug/L | 1.89 | 9.43 |
| 85-01-8 | Phenanthrene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 120-12-7 | Anthracene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 84-74-2 | Di-n-butylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 206-44-0 | Fluoranthene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 85-68-7 | Butylbenzylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 56-55-3 | Benzo(a)anthracene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.43 | ug/L | 0.943 | 9.43 |
| 218-01-9 | Chrysene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 117-84-0 | Di-n-octylphthalate | U | 9.43 | ug/L | 2.83 | 9.43 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 50-32-8 | Benzo(a)pyrene | U | 0.943 | ug/L | 0.189 | 0.943 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 15:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995015 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0266 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 22:38 | **Analyst:** | PAM | **Aliquot:** | 1060 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1060 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.943 U | ug/L | 0.189 | 0.943 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 86-74-8 | Carbazole | U | 9.43 | ug/L | 0.189 | 9.43 |
| 98-55-5 | alpha-Terpineol | U | 9.43 | ug/L | 2.83 | 9.43 |

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995001 CLIENT ID: AC0266

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 012006 |

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Comments:

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0462

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986011

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U425

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 5.0 | U | |
| 75-15-0 | Carbon disulfide | 5.0 | U | |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 0.38 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

Semi-Volatile
Certificate of Analysis
Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 11:45 | Matrix: | WATER |
| Lab Sample ID: | 153995012 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SA1C072 | Project: | SA1C07200 |
| Client ID: | AC0462 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 21:36 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.1 U | ug/L | 3.03 | 10.1 |
| 108-95-2 | Phenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 95-57-8 | 2-Chlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 83-32-9 | Acenaphthene | U | 1.01 | ug/L | 0.313 | 1.01 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 100-02-7 | 4-Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-86-5 | Pentachlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 129-00-0 | Pyrene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-48-7 | o-Cresol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 65794-96-9 | m,p-Cresols | U | 10.1 | ug/L | 3.03 | 10.1 |
| 67-72-1 | Hexachloroethane | U | 10.1 | ug/L | 2.02 | 10.1 |
| 98-95-3 | Nitrobenzene | U | 10.1 | ug/L | 3.03 | 10.1 |
| 78-59-1 | Isophorone | U | 10.1 | ug/L | 2.02 | 10.1 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 11:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995012 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0462 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 21:36 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 10.1 U | ug/L | 2.02 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 111-91-1 | bis(2-Chlorocthoxy)methane | U | 10.1 | ug/L | 3.03 | 10.1 |
| 120-83-2 | 2,4-Dichlorophcnol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 91-20-3 | Naphthalene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 106-47-8 | 4-Chloroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.1 | ug/L | 3.03 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.01 | ug/L | 0.354 | 1.01 |
| 88-74-4 | o-Nitroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 99-09-2 | m-Nitroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 131-11-3 | Dimethylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 208-96-8 | Acenaphthylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.2 | ug/L | 10.1 | 20.2 |
| 132-64-9 | Dibenzofuran | U | 10.1 | ug/L | 2.02 | 10.1 |
| 84-66-2 | Diethylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 11:45 | Matrix: | WATER |
| Lab Sample ID: | 153995012 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SA1C072 | Project: | SA1C07200 |
| Client ID: | AC0462 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 21:36 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.1 | ug/L | 3.03 | 10.1 |
| 100-01-6 | p-Nitroaniline | U | 10.1 | ug/L | 3.03 | 10.1 |
| 122-39-4 | Diphenylamine | U | 10.1 | ug/L | 3.03 | 10.1 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 118-74-1 | Hexachlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 1912-24-9 | Atrazine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 85-01-8 | Phenanthrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 120-12-7 | Anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 84-74-2 | Di-n-butylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 206-44-0 | Fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 85-68-7 | Butylbenzylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.1 | ug/L | 1.01 | 10.1 |
| 218-01-9 | Chrysene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | U | 10.1 | ug/L | 3.03 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 50-32-8 | Benzo(a)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 11:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995012 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SA1C072 | **Project:** | SA1C07200 |
| **Client ID:** | AC0462 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 21:36 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.01 U | ug/L | 0.202 | 1.01 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 86-74-8 | Carbazole | U | 10.1 | ug/L | 0.202 | 10.1 |
| 98-55-5 | alpha-Terpineol | U | 10.1 | ug/L | 3.03 | 10.1 |

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995012 CLIENT ID: AC0462

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 012006 |

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Comments:

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0662

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U417

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | u |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 5.0 | U | |
| 75-15-0 | Carbon disulfide | 5.0 | U | |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 8.1 | | = |
| 79-01-6 | Trichloroethylene | 1.0 | U | u |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 0.60 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | u |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 5.3 | | = |
| 1330-20-7 | Xylenes (total) | 0.48 | J | J |
| 100-42-5 | Styrene | 1.0 | U | u |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

Semi-Volatile
Certificate of Analysis
Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 12:50 | Matrix: | WATER |
| Lab Sample ID: | 153995006 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC0662 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 18:52 | Analyst: | PAM | Aliquot: | 1120 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 1120 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 8.93 U | ug/L | 2.68 | 8.93 |
| 108-95-2 | Phenol | U | 8.93 | ug/L | 0.893 | 8.93 |
| 95-57-8 | 2-Chlorophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 621-64-7 | N-Nitrosodipropylamine | U | 8.93 | ug/L | 1.79 | 8.93 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 83-32-9 | Acenaphthene | U | 0.893 | ug/L | 0.277 | 0.893 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 100-02-7 | 4-Nitrophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 87-86-5 | Pentachlorophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 129-00-0 | Pyrene | U | 0.893 | ug/L | 0.268 | 0.893 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 8.93 | ug/L | 1.79 | 8.93 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 8.93 | ug/L | 1.79 | 8.93 |
| 95-48-7 | o-Cresol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 65794-96-9 | m,p-Cresols | U | 8.93 | ug/L | 2.68 | 8.93 |
| 67-72-1 | Hexachloroethane | U | 8.93 | ug/L | 1.79 | 8.93 |
| 98-95-3 | Nitrobenzene | U | 8.93 | ug/L | 2.68 | 8.93 |
| 78-59-1 | Isophorone | U | 8.93 | ug/L | 1.79 | 8.93 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 12:50 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995006 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0662 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 18:52 | **Analyst:** | PAM | **Aliquot:** | 1120 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1120 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 105-67-9 | 2,4-Dimethylphenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 8.93 | ug/L | 2.68 | 8.93 |
| 120-83-2 | 2,4-Dichlorophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 91-20-3 | Naphthalene | | 47.3 | ug/L | 0.268 | 0.893 |
| 106-47-8 | 4-Chloroaniline | U | 8.93 | ug/L | 1.79 | 8.93 |
| 87-68-3 | Hexachlorobutadiene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 91-57-6 | 2-Methylnaphthalene | | 8.49 | ug/L | 0.268 | 0.893 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 92-52-4 | 1,1'-Biphenyl | U | 8.93 | ug/L | 2.68 | 8.93 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 8.93 | ug/L | 1.79 | 8.93 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 8.93 | ug/L | 0.893 | 8.93 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.893 | ug/L | 0.313 | 0.893 |
| 88-74-4 | o-Nitroaniline | U | 8.93 | ug/L | 1.79 | 8.93 |
| 99-09-2 | m-Nitroaniline | U | 8.93 | ug/L | 1.79 | 8.93 |
| 131-11-3 | Dimethylphthalate | U | 8.93 | ug/L | 1.79 | 8.93 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 208-96-8 | Acenaphthylene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 51-28-5 | 2,4-Dinitrophenol | U | 17.9 | ug/L | 8.93 | 17.9 |
| 132-64-9 | Dibenzofuran | U | 8.93 | ug/L | 1.79 | 8.93 |
| 84-66-2 | Diethylphthalate | U | 8.93 | ug/L | 1.79 | 8.93 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 12:50 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995006 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SA1C072 | **Project:** | SA1C07200 |
| **Client ID:** | AC0662 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 18:52 | **Analyst:** | PAM | **Aliquot:** | 1120 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1120 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 8.93 | ug/L | 1.79 | 8.93 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 8.93 | ug/L | 2.68 | 8.93 |
| 100-01-6 | p-Nitroaniline | U | 8.93 | ug/L | 2.68 | 8.93 |
| 122-39-4 | Diphenylamine | U | 8.93 | ug/L | 2.68 | 8.93 |
| 101-55-3 | 4-Bromophenylphenylether | U | 8.93 | ug/L | 1.79 | 8.93 |
| 118-74-1 | Hexachlorobenzene | U | 8.93 | ug/L | 1.79 | 8.93 |
| 1912-24-9 | Atrazine | U | 8.93 | ug/L | 1.79 | 8.93 |
| 85-01-8 | Phenanthrene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 120-12-7 | Anthracene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 84-74-2 | Di-n-butylphthalate | U | 8.93 | ug/L | 1.79 | 8.93 |
| 206-44-0 | Fluoranthene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 85-68-7 | Butylbenzylphthalate | U | 8.93 | ug/L | 1.79 | 8.93 |
| 56-55-3 | Benzo(a)anthracene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 8.93 | ug/L | 0.893 | 8.93 |
| 218-01-9 | Chrysene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 8.93 | ug/L | 1.79 | 8.93 |
| 117-84-0 | Di-n-octylphthalate | U | 8.93 | ug/L | 2.68 | 8.93 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 50-32-8 | Benzo(a)pyrene | U | 0.893 | ug/L | 0.179 | 0.893 |

DATA VALIDATION
COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 12:50 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995006 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0662 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 18:52 | **Analyst:** | PAM | **Aliquot:** | 1120 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1120 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.893 | ug/L | 0.179 | 0.893 |
| 86-74-8 | Carbazole | U | 8.93 | ug/L | 0.179 | 8.93 |
| 98-55-5 | alpha-Terpineol | U | 8.93 | ug/L | 2.68 | 8.93 |

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DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 153995 **METHOD TYPE:** SW846

**SAMPLE ID:** 153995006 **CLIENT ID:** AC0662

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JAN-06 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 012006 |

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Comments:

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0862

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U424

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | u |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 5.0 | U | |
| 75-15-0 | Carbon disulfide | 5.0 | U | |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 0.41 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | u |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 14:15 | Matrix: | WATER |
| Lab Sample ID: | 153995008 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC0862 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 20:14 | Analyst: | PAM | Aliquot: | 1060 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 1060 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 9.43 | ug/L | 2.83 | 9.43 |
| 108-95-2 | Phenol | U | 9.43 | ug/L | 0.943 | 9.43 |
| 95-57-8 | 2-Chlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.43 | ug/L | 1.89 | 9.43 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 83-32-9 | Acenaphthene | U | 0.943 | ug/L | 0.292 | 0.943 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 100-02-7 | 4-Nitrophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 87-86-5 | Pentachlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 129-00-0 | Pyrene | U | 0.943 | ug/L | 0.283 | 0.943 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 95-48-7 | o-Cresol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 65794-96-9 | m,p-Cresols | U | 9.43 | ug/L | 2.83 | 9.43 |
| 67-72-1 | Hexachloroethane | U | 9.43 | ug/L | 1.89 | 9.43 |
| 98-95-3 | Nitrobenzene | U | 9.43 | ug/L | 2.83 | 9.43 |
| 78-59-1 | Isophorone | U | 9.43 | ug/L | 1.89 | 9.43 |



DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 14:15 | Matrix: | WATER |
| Lab Sample ID: | 153995008 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC0862 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 20:14 | Analyst: | PAM | Aliquot: | 1060 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 1060 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 9.43 U | ug/L | 1.89 | 9.43 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.43 | ug/L | 2.83 | 9.43 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 91-20-3 | Naphthalene | U | 0.943 | ug/L | 0.283 | 0.943 |
| 106-47-8 | 4-Chloroaniline | U | 9.43 | ug/L | 1.89 | 9.43 |
| 87-68-3 | Hexachlorobutadiene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 91-57-6 | 2-Methylnaphthalene | U | 0.943 | ug/L | 0.283 | 0.943 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 92-52-4 | 1,1'-Biphenyl | U | 9.43 | ug/L | 2.83 | 9.43 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.43 | ug/L | 1.89 | 9.43 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.43 | ug/L | 0.943 | 9.43 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.943 | ug/L | 0.330 | 0.943 |
| 88-74-4 | o-Nitroaniline | U | 9.43 | ug/L | 1.89 | 9.43 |
| 99-09-2 | m-Nitroaniline | U | 9.43 | ug/L | 1.89 | 9.43 |
| 131-11-3 | Dimethylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 208-96-8 | Acenaphthylene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 51-28-5 | 2,4-Dinitrophenol | U | 18.9 | ug/L | 9.43 | 18.9 |
| 132-64-9 | Dibenzofuran | U | 9.43 | ug/L | 1.89 | 9.43 |
| 84-66-2 | Diethylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 14:15 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995008 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0862 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 20:14 | **Analyst:** | PAM | **Aliquot:** | 1060 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1060 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 0.943 U | ug/L | 0.189 | 0.943 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.43 | ug/L | 2.83 | 9.43 |
| 100-01-6 | p-Nitroaniline | U | 9.43 | ug/L | 2.83 | 9.43 |
| 122-39-4 | Diphenylamine | U | 9.43 | ug/L | 2.83 | 9.43 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.43 | ug/L | 1.89 | 9.43 |
| 118-74-1 | Hexachlorobenzene | U | 9.43 | ug/L | 1.89 | 9.43 |
| 1912-24-9 | Atrazine | U | 9.43 | ug/L | 1.89 | 9.43 |
| 85-01-8 | Phenanthrene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 120-12-7 | Anthracene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 84-74-2 | Di-n-butylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 206-44-0 | Fluoranthene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 85-68-7 | Butylbenzylphthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 56-55-3 | Benzo(a)anthracene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.43 | ug/L | 0.943 | 9.43 |
| 218-01-9 | Chrysene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.43 | ug/L | 1.89 | 9.43 |
| 117-84-0 | Di-n-octylphthalate | U | 9.43 | ug/L | 2.83 | 9.43 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 50-32-8 | Benzo(a)pyrene | U | 0.943 | ug/L | 0.189 | 0.943 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 14:15 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995008 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SA1C072 | **Project:** | SA1C07200 |
| **Client ID:** | AC0862 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 20:14 | **Analyst:** | PAM | **Aliquot:** | 1060 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1060 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.943 | ug/L | 0.189 | 0.943 |
| 86-74-8 | Carbazole | U | 9.43 | ug/L | 0.189 | 9.43 |
| 98-55-5 | alpha-Terpineol | U | 9.43 | ug/L | 2.83 | 9.43 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995008 CLIENT ID: AC0862

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 012006 |

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Comments:

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC0962

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U422

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 5.0 | U | |
| 75-15-0 | Carbon disulfide | 5.0 | U | |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 16.8 | | = |
| 79-01-6 | Trichloroethylene | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 0.50 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 4.7 | | = |
| 1330-20-7 | Xylenes (total) | 2.2 | | = |
| 100-42-5 | Styrene | 1.0 | U | U |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 16:20 | Matrix: | WATER |
| Lab Sample ID: | 153995007 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC0962 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 19:54 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.1 | ug/L | 3.03 | 10.1 |
| 108-95-2 | Phenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 95-57-8 | 2-Chlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 83-32-9 | Acenaphthene | U | 1.01 | ug/L | 0.313 | 1.01 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 100-02-7 | 4-Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-86-5 | Pentachlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 129-00-0 | Pyrene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-48-7 | o-Cresol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 65794-96-9 | m,p-Cresols | U | 10.1 | ug/L | 3.03 | 10.1 |
| 67-72-1 | Hexachloroethane | U | 10.1 | ug/L | 2.02 | 10.1 |
| 98-95-3 | Nitrobenzene | U | 10.1 | ug/L | 3.03 | 10.1 |
| 78-59-1 | Isophorone | U | 10.1 | ug/L | 2.02 | 10.1 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 16:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995007 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0962 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 19:54 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.1 | | ug/L | 3.03 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 91-20-3 | Naphthalene | | 33.6 | = | ug/L | 0.303 | 1.01 |
| 106-47-8 | 4-Chloroaniline | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | | 4.92 | = | ug/L | 0.303 | 1.01 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.1 | | ug/L | 3.03 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.1 | | ug/L | 1.01 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.01 | | ug/L | 0.354 | 1.01 |
| 88-74-4 | o-Nitroaniline | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 99-09-2 | m-Nitroaniline | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 131-11-3 | Dimethylphthalate | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 208-96-8 | Acenaphthylene | U | 1.01 | | ug/L | 0.202 | 1.01 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.2 | | ug/L | 10.1 | 20.2 |
| 132-64-9 | Dibenzofuran | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 84-66-2 | Diethylphthalate | U | 10.1 | | ug/L | 2.02 | 10.1 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 16:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995007 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SA1C072 | **Project:** | SA1C07200 |
| **Client ID:** | AC0962 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 19:54 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.1 | ug/L | 3.03 | 10.1 |
| 100-01-6 | p-Nitroaniline | U | 10.1 | ug/L | 3.03 | 10.1 |
| 122-39-4 | Diphenylamine | U | 10.1 | ug/L | 3.03 | 10.1 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 118-74-1 | Hexachlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 1912-24-9 | Atrazine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 85-01-8 | Phenanthrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 120-12-7 | Anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 84-74-2 | Di-n-butylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 206-44-0 | Fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 85-68-7 | Butylbenzylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.1 | ug/L | 1.01 | 10.1 |
| 218-01-9 | Chrysene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | U | 10.1 | ug/L | 3.03 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 50-32-8 | Benzo(a)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |



DATA VALIDATION
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## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 16:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995007 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC0962 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 19:54 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 86-74-8 | Carbazole | U | 10.1 | ug/L | 0.202 | 10.1 |
| 98-55-5 | alpha-Terpineol | U | 10.1 | ug/L | 3.03 | 10.1 |



DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

**SDG No:** 153995 **METHOD TYPE:** SW846

**SAMPLE ID:** 153995007 **CLIENT ID:** AC0962

**CONTRACT:** SAIC07200

**MATRIX:** W **DATE RECEIVED** 18-JAN-06 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 4.1 J | ug/L | B | | P | 2 | 1 | OPTIMA2 | 011906 |

Comments:

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1062

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U508

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 5.0 | U | |
| 75-15-0 | Carbon disulfide | 1.6 | J | J |
| 75-09-2 | Methylene chloride | 5.0 | U | U |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | U |
| 108-88-3 | Toluene | 0.42 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995010 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1062 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 20:55 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.1 | ug/L | 3.03 | 10.1 |
| 108-95-2 | Phenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 95-57-8 | 2-Chlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 83-32-9 | Acenaphthene | U | 1.01 | ug/L | 0.313 | 1.01 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 100-02-7 | 4-Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-86-5 | Pentachlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 129-00-0 | Pyrene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-48-7 | o-Cresol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 65794-96-9 | m,p-Cresols | U | 10.1 | ug/L | 3.03 | 10.1 |
| 67-72-1 | Hexachloroethane | U | 10.1 | ug/L | 2.02 | 10.1 |
| 98-95-3 | Nitrobenzene | U | 10.1 | ug/L | 3.03 | 10.1 |
| 78-59-1 | Isophorone | U | 10.1 | ug/L | 2.02 | 10.1 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995010 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1062 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 20:55 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.1 | ug/L | 3.03 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 91-20-3 | Naphthalene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 106-47-8 | 4-Chloroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.1 | ug/L | 3.03 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.01 | ug/L | 0.354 | 1.01 |
| 88-74-4 | o-Nitroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 99-09-2 | m-Nitroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 131-11-3 | Dimethylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 208-96-8 | Acenaphthylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.2 | ug/L | 10.1 | 20.2 |
| 132-64-9 | Dibenzofuran | U | 10.1 | ug/L | 2.02 | 10.1 |
| 84-66-2 | Diethylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |

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DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995010 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1062 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 20:55 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 1.01 U | ug/L | 0.202 | 1.01 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.1 | ug/L | 3.03 | 10.1 |
| 100-01-6 | p-Nitroaniline | U | 10.1 | ug/L | 3.03 | 10.1 |
| 122-39-4 | Diphenylamine | U | 10.1 | ug/L | 3.03 | 10.1 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 118-74-1 | Hexachlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 1912-24-9 | Atrazine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 85-01-8 | Phenanthrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 120-12-7 | Anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 84-74-2 | Di-n-butylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 206-44-0 | Fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 85-68-7 | Butylbenzylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.1 | ug/L | 1.01 | 10.1 |
| 218-01-9 | Chrysene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | U | 10.1 | ug/L | 3.03 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 50-32-8 | Benzo(a)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995010 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SA1C072 | **Project:** | SA1C07200 |
| **Client ID:** | AC1062 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 20:55 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.01 U | ug/L | 0.202 | 1.01 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 86-74-8 | Carbazole | U | 10.1 | ug/L | 0.202 | 10.1 |
| 98-55-5 | alpha-Terpineol | U | 10.1 | ug/L | 3.03 | 10.1 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995010 CLIENT ID: AC1062

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 U | ug/L | U | | P | 2 | 1 | TRACE2 | 012006 |

Comments:

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1064

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U423

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 5.0 | U | |
| 75-15-0 | Carbon disulfide | 5.0 | U | |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | U | |
| 79-01-6 | Trichloroethylene | 1.0 | U | |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 5.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 0.50 | J | J |
| 108-88-3 | Toluene | 1.0 | U | U |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U | |
| 591-78-6 | 2-Hexanone | 1.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | 1.0 | U | |
| 100-42-5 | Styrene | 1.0 | U | |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995009 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1064 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 20:35 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.1 | ug/L | 3.03 | 10.1 |
| 108-95-2 | Phenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 95-57-8 | 2-Chlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 83-32-9 | Acenaphthene | U | 1.01 | ug/L | 0.313 | 1.01 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 100-02-7 | 4-Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-86-5 | Pentachlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 129-00-0 | Pyrene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-48-7 | o-Cresol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 65794-96-9 | m,p-Cresols | U | 10.1 | ug/L | 3.03 | 10.1 |
| 67-72-1 | Hexachloroethane | U | 10.1 | ug/L | 2.02 | 10.1 |
| 98-95-3 | Nitrobenzene | U | 10.1 | ug/L | 3.03 | 10.1 |
| 78-59-1 | Isophorone | U | 10.1 | ug/L | 2.02 | 10.1 |

DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 10:00 | Matrix: | WATER |
| Lab Sample ID: | 153995009 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC1064 | Method: | SW846 8270C | SOP Ref: | GL–OA–E–009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 20:35 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 88–75–5 | 2–Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 105–67–9 | 2,4–Dimethylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 111–91–1 | bis(2–Chloroethoxy)methane | U | 10.1 | ug/L | 3.03 | 10.1 |
| 120–83–2 | 2,4–Dichlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 91–20–3 | Naphthalene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 106–47–8 | 4–Chloroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87–68–3 | Hexachlorobutadiene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 91–57–6 | 2–Methylnaphthalene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 77–47–4 | Hexachlorocyclopentadiene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 92–52–4 | 1,1'–Biphenyl | U | 10.1 | ug/L | 3.03 | 10.1 |
| 88–06–2 | 2,4,6–Trichlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95–95–4 | 2,4,5–Trichlorophenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 91–58–7 | 2–Chloronaphthalene | U | 1.01 | ug/L | 0.354 | 1.01 |
| 88–74–4 | o–Nitroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 99–09–2 | m–Nitroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 131–11–3 | Dimethylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 606–20–2 | 2,6–Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 208–96–8 | Acenaphthylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 51–28–5 | 2,4–Dinitrophenol | U | 20.2 | ug/L | 10.1 | 20.2 |
| 132–64–9 | Dibenzofuran | U | 10.1 | ug/L | 2.02 | 10.1 |
| 84–66–2 | Diethylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995009 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1064 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 20:35 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 1.01 U | ug/L | 0.202 | 1.01 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.1 | ug/L | 3.03 | 10.1 |
| 100-01-6 | p-Nitroaniline | U | 10.1 | ug/L | 3.03 | 10.1 |
| 122-39-4 | Diphenylamine | U | 10.1 | ug/L | 3.03 | 10.1 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 118-74-1 | Hexachlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 1912-24-9 | Atrazine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 85-01-8 | Phenanthrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 120-12-7 | Anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 84-74-2 | Di-n-butylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 206-44-0 | Fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 85-68-7 | Butylbenzylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.1 | ug/L | 1.01 | 10.1 |
| 218-01-9 | Chrysene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | U | 10.1 | ug/L | 3.03 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 50-32-8 | Benzo(a)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |

EPA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995009 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1064 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 20:35 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.01 U | ug/L | 0.202 | 1.01 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 86-74-8 | Carbazole | U | 10.1 | ug/L | 0.202 | 10.1 |
| 98-55-5 | alpha-Terpineol | U | 10.1 | ug/L | 3.03 | 10.1 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995009 CLIENT ID: AC1064

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 U | ug/L | U | | P | 2 | 1 | TRACE2 | 012006 |

DATA VALIDATION COPY

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1162

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U415

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USD

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | | 1.0 | U | |
| 74-83-9 | Bromomethane | | 1.0 | U | |
| 75-00-3 | Chloroethane | | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | | 1.0 | U | |
| 67-64-1 | Acetone | | 5.0 | U | |
| 75-15-0 | Carbon disulfide | | 5.0 | U | |
| 75-09-2 | Methylene chloride | | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | |
| 78-93-3 | 2-Butanone | | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 1.0 | U | |
| 67-66-3 | Chloroform | | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U | |
| 71-43-2 | Benzene | | 17.5 | | = |
| 79-01-6 | Trichloroethylene | | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | |
| 108-88-3 | Toluene | | 1.2 | | = |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | |
| 591-78-6 | 2-Hexanone | | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | |
| 108-90-7 | Chlorobenzene | | 1.0 | U | |
| 100-41-4 | Ethylbenzene | | 14.6 | | = |
| 1330-20-7 | Xylenes (total) | 160 | ~~245~~ 230 | D | = |
| 100-42-5 | Styrene | | 1.0 | U | U |
| 75-25-2 | Bromoform | | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 14:35 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995014 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1162 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 22:17 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.1 U | ug/L | 3.03 | 10.1 |
| 108-95-2 | Phenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 95-57-8 | 2-Chlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 83-32-9 | Acenaphthene | U | 1.01 | ug/L | 0.313 | 1.01 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 100-02-7 | 4-Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-86-5 | Pentachlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 129-00-0 | Pyrene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-48-7 | o-Cresol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 65794-96-9 | m,p-Cresols | U | 10.1 | ug/L | 3.03 | 10.1 |
| 67-72-1 | Hexachloroethane | U | 10.1 | ug/L | 2.02 | 10.1 |
| 98-95-3 | Nitrobenzene | U | 10.1 | ug/L | 3.03 | 10.1 |
| 78-59-1 | Isophorone | U | 10.1 | ug/L | 2.02 | 10.1 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 14:35 | Matrix: | WATER |
| Lab Sample ID: | 153995014 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SA1C07200 |
| Client ID: | AC1162 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 22:17 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.1 | | ug/L | 3.03 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 91-20-3 | Naphthalene | | 47.5 | = | ug/L | 0.303 | 1.01 |
| 106-47-8 | 4-Chloroaniline | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | | 12.4 | = | ug/L | 0.303 | 1.01 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.1 | | ug/L | 3.03 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.1 | | ug/L | 1.01 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.01 | | ug/L | 0.354 | 1.01 |
| 88-74-4 | o-Nitroaniline | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 99-09-2 | m-Nitroaniline | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 131-11-3 | Dimethylphthalate | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 208-96-8 | Acenaphthylene | U | 1.01 | | ug/L | 0.202 | 1.01 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.2 | | ug/L | 10.1 | 20.2 |
| 132-64-9 | Dibenzofuran | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 84-66-2 | Diethylphthalate | U | 10.1 | | ug/L | 2.02 | 10.1 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 14:35 | Matrix: | WATER |
| Lab Sample ID: | 153995014 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC1162 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 22:17 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 1.01 U | ug/L | 0.202 | 1.01 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.1 | ug/L | 3.03 | 10.1 |
| 100-01-6 | p-Nitroaniline | U | 10.1 | ug/L | 3.03 | 10.1 |
| 122-39-4 | Diphenylamine | U | 10.1 | ug/L | 3.03 | 10.1 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 118-74-1 | Hexachlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 1912-24-9 | Atrazine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 85-01-8 | Phenanthrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 120-12-7 | Anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 84-74-2 | Di-n-butylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 206-44-0 | Fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 85-68-7 | Butylbenzylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.1 | ug/L | 1.01 | 10.1 |
| 218-01-9 | Chrysene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | U | 10.1 | ug/L | 3.03 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 50-32-8 | Benzo(a)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 14:35 | Matrix: | WATER |
| Lab Sample ID: | 153995014 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC1162 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 22:17 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.01 U | ug/L | 0.202 | 1.01 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 86-74-8 | Carbazole | U | 10.1 | ug/L | 0.202 | 10.1 |
| 98-55-5 | alpha-Terpineol | U | 10.1 | ug/L | 3.03 | 10.1 |

DATA VALIDATION

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995002 CLIENT ID: AC1162

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 012006 |

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DATA VALIDATION COPY

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC1362

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U506

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 6.4 | | = U |
| 75-15-0 | Carbon disulfide | 5.0 | U | |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 78.3 | | = U |
| 79-01-6 | Trichloroethylene | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 0.94 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 50.2 | | = U |
| 1330-20-7 | Xylenes (total) | 119 | | = U |
| 100-42-5 | Styrene | 1.0 | U | U |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995013 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1362 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 21:57 | **Analyst:** | PAM | **Aliquot:** | 1040 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1040 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 9.62 U | ug/L | 2.88 | 9.62 |
| 108-95-2 | Phenol | U | 9.62 | ug/L | 0.962 | 9.62 |
| 95-57-8 | 2-Chlorophenol | U | 9.62 | ug/L | 1.92 | 9.62 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.62 | ug/L | 1.92 | 9.62 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.62 | ug/L | 1.92 | 9.62 |
| 83-32-9 | Acenaphthene | U | 0.962 | ug/L | 0.298 | 0.962 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 100-02-7 | 4-Nitrophenol | U | 9.62 | ug/L | 1.92 | 9.62 |
| 87-86-5 | Pentachlorophenol | U | 9.62 | ug/L | 1.92 | 9.62 |
| 129-00-0 | Pyrene | U | 0.962 | ug/L | 0.288 | 0.962 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.62 | ug/L | 1.92 | 9.62 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.62 | ug/L | 1.92 | 9.62 |
| 95-48-7 | o-Cresol | U | 9.62 | ug/L | 1.92 | 9.62 |
| 65794-96-9 | m,p-Cresols | U | 9.62 | ug/L | 2.88 | 9.62 |
| 67-72-1 | Hexachloroethane | U | 9.62 | ug/L | 1.92 | 9.62 |
| 98-95-3 | Nitrobenzene | U | 9.62 | ug/L | 2.88 | 9.62 |
| 78-59-1 | Isophorone | U | 9.62 | ug/L | 1.92 | 9.62 |

DATA VALIDATION

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995013 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1362 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 21:57 | **Analyst:** | PAM | **Aliquot:** | 1040 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1040 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 9.62 | ug/L | 1.92 | 9.62 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.62 | ug/L | 1.92 | 9.62 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.62 | ug/L | 2.88 | 9.62 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.62 | ug/L | 1.92 | 9.62 |
| 106-47-8 | 4-Chloroaniline | U | 9.62 | ug/L | 1.92 | 9.62 |
| 87-68-3 | Hexachlorobutadiene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 91-57-6 | 2-Methylnaphthalene | | 42.8 | ug/L | 0.288 | 0.962 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 92-52-4 | 1,1'-Biphenyl | U | 9.62 | ug/L | 2.88 | 9.62 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.62 | ug/L | 1.92 | 9.62 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.62 | ug/L | 0.962 | 9.62 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.962 | ug/L | 0.337 | 0.962 |
| 88-74-4 | o-Nitroaniline | U | 9.62 | ug/L | 1.92 | 9.62 |
| 99-09-2 | m-Nitroaniline | U | 9.62 | ug/L | 1.92 | 9.62 |
| 131-11-3 | Dimethylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 208-96-8 | Acenaphthylene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.2 | ug/L | 9.62 | 19.2 |
| 132-64-9 | Dibenzofuran | U | 9.62 | ug/L | 1.92 | 9.62 |
| 84-66-2 | Diethylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 86-73-7 | Fluorene | U | 0.962 | ug/L | 0.192 | 0.962 |

DATA VALIDATION

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995013 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SA1C072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1362 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 21:57 | **Analyst:** | PAM | **Aliquot:** | 1040 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1040 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.62 | ug/L | 1.92 | 9.62 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.62 | ug/L | 2.88 | 9.62 |
| 100-01-6 | p-Nitroaniline | U | 9.62 | ug/L | 2.88 | 9.62 |
| 122-39-4 | Diphenylamine | U | 9.62 | ug/L | 2.88 | 9.62 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.62 | ug/L | 1.92 | 9.62 |
| 118-74-1 | Hexachlorobenzene | U | 9.62 | ug/L | 1.92 | 9.62 |
| 1912-24-9 | Atrazine | U | 9.62 | ug/L | 1.92 | 9.62 |
| 85-01-8 | Phenanthrene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 120-12-7 | Anthracene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 84-74-2 | Di-n-butylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 206-44-0 | Fluoranthene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 85-68-7 | Butylbenzylphthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 56-55-3 | Benzo(a)anthracene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.62 | ug/L | 0.962 | 9.62 |
| 218-01-9 | Chrysene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.62 | ug/L | 1.92 | 9.62 |
| 117-84-0 | Di-n-octylphthalate | U | 9.62 | ug/L | 2.88 | 9.62 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 50-32-8 | Benzo(a)pyrene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.962 | ug/L | 0.192 | 0.962 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 10:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995013 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC1362 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 21:57 | **Analyst:** | PAM | **Aliquot:** | 1040 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1040 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.962 U | ug/L | 0.192 | 0.962 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.962 | ug/L | 0.192 | 0.962 |
| 86-74-8 | Carbazole | U | 9.62 | ug/L | 0.192 | 9.62 |
| 98-55-5 | alpha-Terpineol | U | 9.62 | ug/L | 2.88 | 9.62 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 10:55 | Matrix: | WATER |
| Lab Sample ID: | 153995013 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SA1C072 | Project: | SA1C07200 |
| Client ID: | AC1362DL | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.1 | Dilution: | 2 |
| Run Date: | 02/02/2006 15:53 | Analyst: | PAM | Aliquot: | 1040 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 1040 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 91-20-3 | Naphthalene | | 133 = | ug/L | 0.577 | 1.92 |

DATA VALIDATION

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995003 CLIENT ID: AC1362

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 U | ug/L | U | | P | 2 | 1 | TRACE2 | 012006 |

Comments:

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2362

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U420

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USR

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | | 1.0 | U | |
| 74-83-9 | Bromomethane | | 1.0 | U | |
| 75-00-3 | Chloroethane | | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | | 1.0 | U | |
| 67-64-1 | Acetone | | 4.3 | J | J |
| 75-15-0 | Carbon disulfide | | 1.4 | J | J |
| 75-09-2 | Methylene chloride | | 5.0 | U | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | |
| 78-93-3 | 2-Butanone | | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 1.0 | U | |
| 67-66-3 | Chloroform | | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U | |
| 71-43-2 | Benzene | 134 | ~~138~~ | D | |
| 79-01-6 | Trichloroethylene | | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | |
| 108-88-3 | Toluene | | 1.4 | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | |
| 591-78-6 | 2-Hexanone | | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | |
| 108-90-7 | Chlorobenzene | | 1.0 | U | |
| 100-41-4 | Ethylbenzene | | 16.1 | | |
| 1330-20-7 | Xylenes (total) | | 1.0 | U | U |
| 100-42-5 | Styrene | | 1.0 | U | |
| 75-25-2 | Bromoform | | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 16:50 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995011 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC2362 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 21:16 | **Analyst:** | PAM | **Aliquot:** | 1010 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1010 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 9.90 U | ug/L | 2.97 | 9.90 |
| 108-95-2 | Phenol | U | 9.90 | ug/L | 0.990 | 9.90 |
| 95-57-8 | 2-Chlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 621-64-7 | N-Nitrosodipropylamine | U | 9.90 | ug/L | 1.98 | 9.90 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 83-32-9 | Acenaphthene | U | 0.990 | ug/L | 0.307 | 0.990 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 100-02-7 | 4-Nitrophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 87-86-5 | Pentachlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 129-00-0 | Pyrene | U | 0.990 | ug/L | 0.297 | 0.990 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-48-7 | o-Cresol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 65794-96-9 | m,p-Cresols | U | 9.90 | ug/L | 2.97 | 9.90 |
| 67-72-1 | Hexachloroethane | U | 9.90 | ug/L | 1.98 | 9.90 |
| 98-95-3 | Nitrobenzene | U | 9.90 | ug/L | 2.97 | 9.90 |
| 78-59-1 | Isophorone | U | 9.90 | ug/L | 1.98 | 9.90 |



DATA VALIDATION
COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 16:50 | Matrix: | WATER |
| Lab Sample ID: | 153995011 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC2362 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 21:16 | Analyst: | PAM | Aliquot: | 1010 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 1010 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 105-67-9 | 2,4-Dimethylphenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.90 | ug/L | 2.97 | 9.90 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 106-47-8 | 4-Chloroaniline | U | 9.90 | ug/L | 1.98 | 9.90 |
| 87-68-3 | Hexachlorobutadiene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 91-57-6 | 2-Methylnaphthalene | | 23.6 | ug/L | 0.297 | 0.990 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 92-52-4 | 1,1'-Biphenyl | U | 9.90 | ug/L | 2.97 | 9.90 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.90 | ug/L | 1.98 | 9.90 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.90 | ug/L | 0.990 | 9.90 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.990 | ug/L | 0.347 | 0.990 |
| 88-74-4 | o-Nitroaniline | U | 9.90 | ug/L | 1.98 | 9.90 |
| 99-09-2 | m-Nitroaniline | U | 9.90 | ug/L | 1.98 | 9.90 |
| 131-11-3 | Dimethylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 208-96-8 | Acenaphthylene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.8 | ug/L | 9.90 | 19.8 |
| 132-64-9 | Dibenzofuran | U | 9.90 | ug/L | 1.98 | 9.90 |
| 84-66-2 | Diethylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 86-73-7 | Fluorene | U | 0.990 | ug/L | 0.198 | 0.990 |



VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 16:50 | Matrix: | WATER |
| Lab Sample ID: | 153995011 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SA1C072 | Project: | SA1C07200 |
| Client ID: | AC2362 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 21:16 | Analyst: | PAM | Aliquot: | 1010 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 1010 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.90 U | ug/L | 1.98 | 9.90 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.90 | ug/L | 2.97 | 9.90 |
| 100-01-6 | p-Nitroaniline | U | 9.90 | ug/L | 2.97 | 9.90 |
| 122-39-4 | Diphenylamine | U | 9.90 | ug/L | 2.97 | 9.90 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.90 | ug/L | 1.98 | 9.90 |
| 118-74-1 | Hexachlorobenzene | U | 9.90 | ug/L | 1.98 | 9.90 |
| 1912-24-9 | Atrazine | U | 9.90 | ug/L | 1.98 | 9.90 |
| 85-01-8 | Phenanthrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 120-12-7 | Anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 84-74-2 | Di-n-butylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 206-44-0 | Fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 85-68-7 | Butylbenzylphthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 56-55-3 | Benzo(a)anthracene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.90 | ug/L | 0.990 | 9.90 |
| 218-01-9 | Chrysene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.90 | ug/L | 1.98 | 9.90 |
| 117-84-0 | Di-n-octylphthalate | U | 9.90 | ug/L | 2.97 | 9.90 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 50-32-8 | Benzo(a)pyrene | U | 0.990 | ug/L | 0.198 | 0.990 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.990 | ug/L | 0.198 | 0.990 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/14/2006 16:50 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995011 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SA1C072 | **Project:** | SA1C07200 |
| **Client ID:** | AC2362 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 21:16 | **Analyst:** | PAM | **Aliquot:** | 1010 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 1010 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.990 | U | ug/L | 0.198 | 0.990 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.990 | | ug/L | 0.198 | 0.990 |
| 86-74-8 | Carbazole | U | 9.90 | | ug/L | 0.198 | 9.90 |
| 98-55-5 | alpha-Terpineol | U | 9.90 | | ug/L | 2.97 | 9.90 |



DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary



| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/14/2006 16:50 | Matrix: | WATER |
| Lab Sample ID: | 153995011 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC2362DL | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 2 |
| Run Date: | 02/02/2006 15:32 | Analyst: | PAM | Aliquot: | 1010 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 1010 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 91-20-3 | Naphthalene | | 108 = | ug/L | 0.594 | 1.98 |

QA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995011 CLIENT ID: AC2362

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2.2 J | ug/L | B | | P | 2 | 1 | TRACE2 | 012006 |

Comments:

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AC2462

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986013

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U454

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 1.0 | U | |
| 74-83-9 | Bromomethane | 1.0 | U | |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 1.9 | J | J |
| 75-15-0 | Carbon disulfide | 5.0 | U | U |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 1.0 | U | |
| 67-66-3 | Chloroform | 1.0 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 14.0 | | = |
| 79-01-6 | Trichloroethylene | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 0.39 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 3.9 | | = |
| 1330-20-7 | Xylenes (total) | 1.1 | | = |
| 100-42-5 | Styrene | 1.0 | U | U |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/15/2006 12:30 | Matrix: | WATER |
| Lab Sample ID: | 153995016 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC2462 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 22:58 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.1 U | ug/L | 3.03 | 10.1 |
| 108-95-2 | Phenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 95-57-8 | 2-Chlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 83-32-9 | Acenaphthene | U | 1.01 | ug/L | 0.313 | 1.01 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 100-02-7 | 4-Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-86-5 | Pentachlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 129-00-0 | Pyrene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-48-7 | o-Cresol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 65794-96-9 | m,p-Cresols | U | 10.1 | ug/L | 3.03 | 10.1 |
| 67-72-1 | Hexachloroethane | U | 10.1 | ug/L | 2.02 | 10.1 |
| 98-95-3 | Nitrobenzene | U | 10.1 | ug/L | 3.03 | 10.1 |
| 78-59-1 | Isophorone | U | 10.1 | ug/L | 2.02 | 10.1 |

DATA VALIDATION

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/15/2006 12:30 | Matrix: | WATER |
| Lab Sample ID: | 153995016 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC2462 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 22:58 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 105-67-9 | 2,4-Dimethylphenol | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.1 | | ug/L | 3.03 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 91-20-3 | Naphthalene | | 4.95 | = | ug/L | 0.303 | 1.01 |
| 106-47-8 | 4-Chloroaniline | U | 10.1 | U | ug/L | 2.02 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.01 | | ug/L | 0.303 | 1.01 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.1 | | ug/L | 3.03 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.1 | | ug/L | 1.01 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.01 | | ug/L | 0.354 | 1.01 |
| 88-74-4 | o-Nitroaniline | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 99-09-2 | m-Nitroaniline | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 131-11-3 | Dimethylphthalate | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 208-96-8 | Acenaphthylene | U | 1.01 | | ug/L | 0.202 | 1.01 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.2 | | ug/L | 10.1 | 20.2 |
| 132-64-9 | Dibenzofuran | U | 10.1 | | ug/L | 2.02 | 10.1 |
| 84-66-2 | Diethylphthalate | U | 10.1 | | ug/L | 2.02 | 10.1 |

DATA VALIDATION

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153995 | Date Collected: | 01/15/2006 12:30 | Matrix: | WATER |
| Lab Sample ID: | 153995016 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AC2462 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 495692 | Inst: | MSD5.I | Dilution: | 1 |
| Run Date: | 01/25/2006 22:58 | Analyst: | PAM | Aliquot: | 990 mL |
| Prep Date: | 01/19/2006 17:00 | Aliquot: | 990 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.1 | ug/L | 3.03 | 10.1 |
| 100-01-6 | p-Nitroaniline | U | 10.1 | ug/L | 3.03 | 10.1 |
| 122-39-4 | Diphenylamine | U | 10.1 | ug/L | 3.03 | 10.1 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 118-74-1 | Hexachlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 1912-24-9 | Atrazine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 85-01-8 | Phenanthrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 120-12-7 | Anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 84-74-2 | Di-n-butylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 206-44-0 | Fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 85-68-7 | Butylbenzylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.1 | ug/L | 1.01 | 10.1 |
| 218-01-9 | Chrysene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | U | 10.1 | ug/L | 3.03 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 50-32-8 | Benzo(a)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |

VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153995 | **Date Collected:** | 01/15/2006 12:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153995016 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AC2462 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 495692 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 01/25/2006 22:58 | **Analyst:** | PAM | **Aliquot:** | 990 mL |
| **Prep Date:** | 01/19/2006 17:00 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 86-74-8 | Carbazole | U | 10.1 | ug/L | 0.202 | 10.1 |
| 98-55-5 | alpha-Terpineol | U | 10.1 | ug/L | 3.03 | 10.1 |

DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 153995 METHOD TYPE: SW846

SAMPLE ID: 153995005 CLIENT ID: AC2462

CONTRACT: SAIC07200

MATRIX: W DATE RECEIVED 18-JAN-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3.1 J | ug/L | B | | P | 2 | 1 | TRACE2 | 012006 |

DATA VALIDATION COPY

Comments:

Saturday 1/14

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM58

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: ~~Patty Stoll~~ Sharon Stiller

Sampler (Signature): Patricia A Stoll (Printed Name): PATRICIA A. STOLL

COA 163907. REQUESTED PARAMETERS

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AF12E2 | 1/11/06 | 1450 | Water | 2 | | | | | | | | | | | 2 | | |
| AFØ7E2 | | 1435 | | 2 | | | | | | | | | | | 2 | | |
| AFØ2E2 | | 1420 | | 2 | | | | | | | | | | | 2 | | |
| AFØ5E2 | | 1430 | | 2 | | | | | | | | | | | 2 | | |
| THØ414 | | 0745 | | 2 | | | | | | | | | | | 2 | | |
| AFØ2E6 | | 1410 | | 2 | | | | | | | | | | | 2 | | |
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IV-85

RSD 1/14/06

TOTAL NUMBER OF CONTAINERS: 12

Cooler Temperature: 4°C

Cooler ID: #78

FEDEX NUMBER: N/A

| | | | | |
|---|---|---|---|---|
| RELINQUISHED BY: Patricia A Stoll | Date/Time 1/14/06 1230 | RECEIVED BY: | Date/Time 1/18/06 1505 | |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | |
| RECEIVED BY: Ben Watkins | Date/Time 1/14/06 1230 | RELINQUISHED BY: | Date/Time | |
| COMPANY NAME: GEL | | COMPANY NAME: | | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/17/05 1505 | RECEIVED BY: | Date/Time | |
| COMPANY NAME: GEL | | COMPANY NAME: | | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM60

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | PAH | LEAD | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AMT2A2 | 1/16/06 | 1610 | water | | | | | | | | | | | | 2 | | 2 | | |
| AMT3A2 | | 1555 | | | | | | | | | | | | | 2 | | 2 | | |
| AMT7A2 | | 1535 | | | | | | | | | | | | | 2 | | 2 | | |
| AMT9A2 | | 1500 | | | | | | | | | | | | | 2 | | 2 | | |
| AMTBA2 | | 1450 | | | | | | | | | | | | | 2 | | 2 | | |
| AC0206 | 1/14/06 | 1530 | | | | | | | | | | | | | | 1 | 1 | | |
| AC1162 | | 1435 | | | | | | | | | | | | | | 1 | 1 | | |
| AC1362 | | 1055 | | | | | | | | | | | | | | 1 | 1 | | |
| TA86 | | | | | | | | | | | | | | | | | | | |

REQUESTED PARAMETERS

RQH 1/18/06

Cooler Temperature: 4°C

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 13 |
|---|---|---|---|---|
| Patricia A Stoll | 1/18/06 1110 | | 1/18/06 1400 | Cooler ID: 506 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | FEDEX NUMBER: N/A |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time | |
| COMPANY NAME: GEL | | COMPANY NAME: | | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time | |
| COMPANY NAME: GEL | | COMPANY NAME: | | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM61

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | PAH | LEAD | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AMTBA2 | 1/16/06 | 1425 | water | | | | | | | | | | | | 2 | | 2 | | |
| AMT6A2 | ↓ | 1400 | ↓ | | | | | | | | | | | | 2 | | 2 | | |
| AC0662 | 1/14/06 | 1250 | | | | 2 | | | | | | | | | | 1 | 3 | | |
| AC1362 | ↓ | 1055 | | | | 2 | | | | | | | | | | | 2 | | |
| AC1162 | ↓ | 1435 | | | | 2 | | | | | | | | | | | 2 | | |
| AC0262 | 1/15/06 | 1230 | | | | | | | | | | | | | | 1 | 1 | | |
| AC2462 | ↓ | 1230 | ↓ | | | | | | | | | | | | | 1 | 1 | | |

IV-87

P Stoll 1/18/06

TOTAL NUMBER OF CONTAINERS: 13

Cooler Temperature: 4 °C

Cooler ID: 510.

FEDEX NUMBER: N/A

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patricia A Stoll | 1/18/06 1110 | | 1/18/06 14cc |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 1810 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM62

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): P Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | LEAD | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACØ266 | 1/14/06 | 1530 | water | | | 2 | | | | | | | | | | 2 | | |
| ACØ962 | ↓ | 1620 | ↓ | | | 2 | | | | | | | | | 1 | 3 | | |
| ACØ862 | ↓ | 1415 | | | | 2 | | | | | | | | | 1 | 3 | | |
| AC2462 | 1/15/06 | 1230 | | | | 2 | | | | | | | | | | 2 | | |
| ACØ262 | ↓ | 1230 | ↓ | | | 2 | | | | | | | | | | 2 | | |
| | | | | | | | | | | | | | | | | | | |
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IV-88

P Stoll 1/18/06

J

Cooler Temperature: 4°C

TOTAL NUMBER OF CONTAINERS: 12

Cooler ID: 102

FEDEX NUMBER: N/A

| | | | |
|---|---|---|---|
| RELINQUISHED BY: P Stoll | Date/Time 1/18/06 1110 | RECEIVED BY: | Date/Time 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Don Watters | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watters | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM63

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): P. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | LEAD | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC1864 | 1/14/06 | 1000 | water | | | 2 | | | | | | | | | 1 | 3 | | |
| AC1062 | ↓ | 1000 | ↓ | | | 2 | | | | | | | | | 1 | 3 | | |
| AC2362 | | 1650 | | | | 2 | | | | | | | | | 1 | 3 | | |
| AC0462 | | 1145 | | | | 2 | | | | | | | | | 1 | 3 | | |

P. Stoll 1/18/06

IV-89

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| P. Stoll | 1/18/06 1116 | | 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

TOTAL NUMBER OF CONTAINERS: 12

Cooler ID: 222

Cooler Temperature: 4°C

FEDEX NUMBER: N/A

page 1 of 4

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM64

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia Q Stoll (Printed Name): PATRICIA A. STOLL

1539867. REQUESTED PARAMETERS

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC1162 | 1/14/06 | 1435 | water | | 2 | | | | | | | | | | 2 | | |
| AC1362 | | 1055 | | | 2 | | | | | | | | | | 2 | | |
| ACØ662 | | 1250 | | | 2 | | | | | | | | | | 2 | | |
| THØ415 | | 0745 | | | 2 | | | | | | | | | | 2 | | |
| ACØ266 | | 1530 | | | 2 | | | | | | | | | | 2 | | |
| AC2362 | | 1650 | | | 2 | | | | | | | | | | 2 | | |
| AC1062 | | 1000 | | | 2 | | | | | | | | | | 2 | | |
| ACØ962 | | 1620 | | | 2 | | | | | | | | | | 2 | | |
| AC1Ø64 | | 1000 | | | 2 | | | | | | | | | | 2 | | |
| ACØ862 | | 1415 | | | 2 | | | | | | | | | | 2 | | |
| ACØ462 | | 1145 | | | 2 | | | | | | | | | | 2 | | |
| ACØ262 | 1/15/06 | 1230 | | | 2 | | | | | | | | | | 2 | | |
| AC2462 | | 1230 | | | 2 | | | | | | | | | | 2 | | |

IV90

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road Charleston, SC 29407

PHONE NO: (843)556-8171

TOTAL NUMBER OF CONTAINERS: 90

Cooler Temperature: 4 °C

Cooler ID: 125

FEDEX NUMBER: N/A

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patricia Q Stoll | 1/18/06 1110 | | 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watts | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watts | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM64

ROJECT NAME: Fort Stewart LTM, DO 54

ROJECT NUMBER: 01-1055-04-2945-200

ROJECT MANAGER: Patty Stoll

Sampler (Signature): [signature] (Printed Name): PATRICIA A STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road Charleston, SC 29407

PHONE NO: (843)556-8171

REQUESTED PARAMETERS

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AS0242 | 1/15/06 | 1515 | water | | 2 | | | | | | | | | | 2 | | |
| AS0142 | | 1445 | | | 2 | | | | | | | | | | 2 | | |
| AS0342 | | 1550 | | | 2 | | | | | | | | | | 2 | | |
| AS7142 | | 1345 | | | 2 | | | | | | | | | | 2 | | |
| AS0244 | | 1515 | | | 2 | | | | | | | | | | 2 | | |
| AK0692 | 1/16/06 | 0940 | | 2 | | | | | | | | | | | 2 | | |
| AK0592 | | 1040 | | 2 | | | | | | | | | | | 2 | | |
| AK0594 | | 1040 | | 2 | | | | | | | | | | | 2 | | |
| AN1992 | | 0945 | | 2 | | | | | | | | | | | 2 | | |
| AN0192 | | 1120 | | 2 | | | | | | | | | | | 2 | | |
| AN2292 | | 0845 | | 2 | | | | | | | | | | | 2 | | |
| AN0292 | | 1350 | | 2 | | | | | | | | | | | 2 | | |
| AN1B92 | | 1030 | | 2 | | | | | | | | | | | 2 | | |

IV-91

| | | | | |
|---|---|---|---|---|
| RELINQUISHED BY: [signature] | Date/Time 1/18/06 1110 | RECEIVED BY: [signature] | Date/Time 1/18/06 1400 | TOTAL NUMBER OF CONTAINERS: 90 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | Cooler ID: 125 |
| RECEIVED BY: Ben Watts | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time | |
| COMPANY NAME: GEL | | COMPANY NAME: | | |
| RELINQUISHED BY: Ben Watts | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time | |
| COMPANY NAME: GEL | | COMPANY NAME: | | |

Cooler Temperature: 4°C

FEDEX NUMBER: NA

Page 3 of 4

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM64

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): [signature] (Printed Name): PATRICIA A. STOLL

153987. REQUESTED PARAMETERS

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AN2392 | 1/16/06 | 1135 | water | 2 | | | | | | | | | | | 2 | | |
| AMT4A4 | | 1635 | | 2 | | | | | | | | | | | 2 | | |
| AMT4A2 | | 1635 | | 2 | | | | | | | | | | | 2 | | |
| AMTØA2 | | 1515 | | 2 | | | | | | | | | | | 2 | | |
| AMT2A2 | | 1610 | | 2 | | | | | | | | | | | 2 | | |
| AMT3A2 | | 1555 | | 2 | | | | | | | | | | | 2 | | |
| AMT5A2 | | 1545 | | 2 | | | | | | | | | | | 2 | | |
| AMT1A2 | | 1620 | | 2 | | | | | | | | | | | 2 | | |
| AMTAA2 | | 1440 | | 2 | | | | | | | | | | | 2 | | |
| AMTBA2 | | 1425 | | 2 | | | | | | | | | | | 2 | | |
| AMT9A2 | | 1500 | | 2 | | | | | | | | | | | 2 | | |
| AMTBA2 | | 1450 | | 2 | | | | | | | | | | | 2 | | |
| AMT6A2 | 1/16/06 | 1400 | | 2 | | | | | | | | | | | 2 | | |

AN92

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road Charleston, SC 29407

PHONE NO: (843)556-8171

TOTAL NUMBER OF CONTAINERS: 98

Cooler Temperature: 4°C

Cooler ID: 125

FEDEX NUMBER: N/A

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| [signature] | 1/18/06 1110 | [signature] | 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: ALTM164

1539917

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): [signature] (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AS0542 | 1/16/06 | 0910 | water | | 2 | | | | | | | | | | 2 | | |
| AS1442 | | 1140 | | | 2 | | | | | | | | | | 2 | | |
| AS0842 | | 1020 | | | 2 | | | | | | | | | | 2 | | |
| AS0742 | | 1045 | | | 2 | | | | | | | | | | 2 | | |
| AS0442 | | 0935 | | | 2 | | | | | | | | | | 2 | | |
| AS0642 | | 0955 | | | 2 | | | | | | | | | | 2 | | |

IV-93

[signature] 1/18/06

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| [signature] | 1/18/06 | [signature] | 1/18/06 |
| COMPANY NAME: SAIC | 1110 | COMPANY NAME: GEL | 1400 |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | 1110 | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 | RECEIVED BY: | Date/Time |
| COMPANY NAME: Gel | 1400 | COMPANY NAME: | |

TOTAL NUMBER OF CONTAINERS: 24/290

Cooler ID: 125

Cooler Temperature: 4.2°C

FEDEX NUMBER: N/A

# DAACG CHLORINATED SOLVENTS AREA

# JANUARY 2006

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS0142

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986015

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U510

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q | |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 0.74 | J | J |
| 74-83-9 | Bromomethane | 1.0 | U | U |
| 75-00-3 | Chloroethane | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | 1.0 | U | |
| 67-64-1 | Acetone | 5.0 | U | |
| 75-15-0 | Carbon disulfide | 5.0 | U | |
| 75-09-2 | Methylene chloride | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | 1.0 | U | |
| 78-93-3 | 2-Butanone | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 46.4 | | |
| 67-66-3 | Chloroform | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 | U | |
| 71-43-2 | Benzene | 1.0 | | |
| 79-01-6 | Trichloroethylene | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U | |
| 108-88-3 | Toluene | 1.9 | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 | U | |
| 591-78-6 | 2-Hexanone | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | 1.0 | U | |
| 108-90-7 | Chlorobenzene | 1.0 | U | |
| 100-41-4 | Ethylbenzene | 2.2 | | |
| 1330-20-7 | Xylenes (total) | 3.3 | | |
| 100-42-5 | Styrene | 1.0 | U | U |
| 75-25-2 | Bromoform | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS0242

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986014

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U455

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

use

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | | 2.1 | | |
| 74-83-9 | Bromomethane | | 1.0 | U | U |
| 75-00-3 | Chloroethane | | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | | 1.0 | U | |
| 67-64-1 | Acetone | | 5.0 | U | |
| 75-15-0 | Carbon disulfide | | 5.0 | U | |
| 75-09-2 | Methylene chloride | | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | |
| 78-93-3 | 2-Butanone | | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 156 | ~~188~~ | ED | = |
| 67-66-3 | Chloroform | | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U | |
| 71-43-2 | Benzene | | 2.4 | | = |
| 79-01-6 | Trichloroethylene | | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | |
| 108-88-3 | Toluene | | 2.0 | | = |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | |
| 591-78-6 | 2-Hexanone | | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | |
| 108-90-7 | Chlorobenzene | | 1.0 | U | |
| 100-41-4 | Ethylbenzene | | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | | 1.0 | U | |
| 100-42-5 | Styrene | | 1.0 | U | |
| 75-25-2 | Bromoform | | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | |

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DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS0244

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986018

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U520

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USQ

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | | 1.4 | | |
| 74-83-9 | Bromomethane | | 1.0 | U | U |
| 75-00-3 | Chloroethane | | 1.0 | U | |
| 75-35-4 | 1,1-Dichloroethylene | | 1.0 | U | |
| 67-64-1 | Acetone | | 5.0 | U | |
| 75-15-0 | Carbon disulfide | | 5.0 | U | |
| 75-09-2 | Methylene chloride | | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | |
| 78-93-3 | 2-Butanone | | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 160 | ~~159~~ E D | | |
| 67-66-3 | Chloroform | | 1.0 | U | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U | |
| 71-43-2 | Benzene | | 1.9 | | |
| 79-01-6 | Trichloroethylene | | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | |
| 108-88-3 | Toluene | | 0.86 | J | J |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | |
| 591-78-6 | 2-Hexanone | | 5.0 | U | |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | |
| 108-90-7 | Chlorobenzene | | 1.0 | U | |
| 100-41-4 | Ethylbenzene | | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | | 1.0 | U | |
| 100-42-5 | Styrene | | 1.0 | U | |
| 75-25-2 | Bromoform | | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | |

OLM03.0

FORM I VOA

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS0342

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986016

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U457

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

USR

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q | |
|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U | U |
| 75-01-4 | Vinyl chloride | 921 | ~~821~~ 921 | ~~E~~ D | |
| 74-83-9 | Bromomethane | | 1.0 | U | U |
| 75-00-3 | Chloroethane | | 1.0 | U | U |
| 75-35-4 | 1,1-Dichloroethylene | | 4.4 | | |
| 67-64-1 | Acetone | | 5.0 | U | U |
| 75-15-0 | Carbon disulfide | | 5.0 | U | |
| 75-09-2 | Methylene chloride | | 5.0 | U | |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U | |
| 78-93-3 | 2-Butanone | | 5.0 | U | |
| 540-59-0 | 1,2-Dichloroethylene (total) | 10600 | ~~5790~~ 10600 | ~~E~~ D | |
| 67-66-3 | Chloroform | | 0.26 | J | J |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U | |
| 107-06-2 | 1,2-Dichloroethane | | 1.3 | | |
| 71-43-2 | Benzene | | 8.7 | | |
| 79-01-6 | Trichloroethylene | | 1.0 | U | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U | |
| 75-27-4 | Bromodichloromethane | | 1.0 | U | |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 1.0 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | | 5.0 | U | |
| 108-88-3 | Toluene | | 51.4 | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.0 | U | |
| 591-78-6 | 2-Hexanone | | 3.7 | J | J |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U | U |
| 124-48-1 | Dibromochloromethane | | 1.0 | U | |
| 108-90-7 | Chlorobenzene | | 1.0 | U | |
| 100-41-4 | Ethylbenzene | | 1.0 | U | |
| 1330-20-7 | Xylenes (total) | | 0.99 | J | J |
| 100-42-5 | Styrene | | 1.0 | U | U |
| 75-25-2 | Bromoform | | 1.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U | |

FORM I VOA OLM03.0

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153991 | **Date Collected:** | 01/16/2006 09:35 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153991005 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AS0442 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 498803 | **Inst:** | VOA7.1 | **Dilution:** | 1 |
| **Run Date:** | 01/30/2006 15:43 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

USE

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 34.6 | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 1.33 | = | ug/L | 0.300 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | U | ug/L | 1.25 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | | ug/L | 2.00 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 2.00 | = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.878 | J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153991 | Date Collected: | 01/16/2006 09:35 | Matrix: | WATER |
| Lab Sample ID: | 153991005 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AS0442 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 498803 | Inst: | VOA7.1 | Dilution: | 1 |
| Run Date: | 01/30/2006 15:43 | Analyst: | YS1 | Purge Vol: | 5 mL |

USQ

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | U | ug/L | 1.25 | 5.00 |
| 108-88-3 | Toluene | | 1.08 | = | ug/L | 0.250 | 1.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | ~~ED~~ | 948 ~~1030~~ | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153991 | **Date Collected:** | 01/16/2006 09:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153991001 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AS0542 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 498803 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2006 13:07 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 2.51 | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-15-0 | Carbon disulfide | J | 3.98 | J | ug/L | 1.25 | 5.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | U | ug/L | 2.00 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |



DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153991 | **Date Collected:** | 01/16/2006 09:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153991001 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AS0542 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 498803 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2006 13:07 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | U | ug/L | 1.25 | 5.00 |
| 108-88-3 | Toluene | J | 0.885 | J | ug/L | 0.250 | 1.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 27.8 | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153991 | Date Collected: | 01/16/2006 09:55 | Matrix: | WATER |
| Lab Sample ID: | 153991006 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AS0642 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 498803 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 01/30/2006 19:43 | Analyst: | YS1 | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |



DATA VALIDATION
COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153991 | Date Collected: | 01/16/2006 09:55 | Matrix: | WATER |
| Lab Sample ID: | 153991006 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SA1C072 | Project: | SA1C07200 |
| Client ID: | AS0642 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 498803 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 01/30/2006 19:43 | Analyst: | YS1 | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | U | ug/L | 1.25 | 5.00 |
| 108-88-3 | Toluene | | 1.22 | = | ug/L | 0.250 | 1.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 87.1 | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153991 | **Date Collected:** | 01/16/2006 10:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153991004 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AS0742 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 498803 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2006 15:17 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

USE

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.20 | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 6.02 | = | ug/L | 0.300 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | U | ug/L | 1.25 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | | ug/L | 2.00 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.20 | = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153991 | Date Collected: | 01/16/2006 10:45 | Matrix: | WATER |
| Lab Sample ID: | 153991004 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AS0742 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 498803 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 01/30/2006 15:17 | Analyst: | YS1 | Purge Vol: | 5 mL |

USD

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | U | ug/L | 1.25 | 5.00 |
| 108-88-3 | Toluene | | 1.92 | = | ug/L | 0.250 | 1.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | ~~U~~ D | 1980 ~~2200~~ | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153991 | Date Collected: | 01/16/2006 10:20 | Matrix: | WATER |
| Lab Sample ID: | 153991003 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AS0842 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 498803 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 01/30/2006 18:00 | Analyst: | YS1 | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-15-0 | Carbon disulfide | | 13.6 | ug/L | 1.25 | 5.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153991 | Date Collected: | 01/16/2006 10:20 | Matrix: | WATER |
| Lab Sample ID: | 153991003 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AS0842 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 498803 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 01/30/2006 18:00 | Analyst: | YS1 | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 U | ug/L | 1.25 | 5.00 |
| 108-88-3 | Toluene | | 1.25 = | ug/L | 0.250 | 1.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 2.84 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION
COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 153991 | **Date Collected:** | 01/16/2006 11:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 153991002 | **Date Received:** | 01/18/2006 14:00 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC07200 |
| **Client ID:** | AS1442 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 498803 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 01/30/2006 14:25 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

USR

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.06 | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | | ug/L | 2.00 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | J | 0.399 | J | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | | 1.33 | = | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 153991 | Date Collected: | 01/16/2006 11:40 | Matrix: | WATER |
| Lab Sample ID: | 153991002 | Date Received: | 01/18/2006 14:00 | | |
| | | Client: | SAIC072 | Project: | SAIC07200 |
| Client ID: | AS1442 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 498803 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 01/30/2006 14:25 | Analyst: | YS1 | Purge Vol: | 5 mL |

USR

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | U | ug/L | 1.25 | 5.00 |
| 108-88-3 | Toluene | J | 0.858 | J | ug/L | 0.250 | 1.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | ~~ED~~ | ~~538~~ 553 | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AS2142

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 153986

Matrix: (soil/water) WATER Lab Sample ID: 153986017

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 7U516

Level: (low/med) LOW Date Received: 01/18/06

% Moisture: not dec. _____ Date Analyzed: 01/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

USQ

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|---|---|---|---|---|
| 74-87-3 | Chloromethane | | 1.0 | U |
| 75-01-4 | Vinyl chloride | | 2.2 | |
| 74-83-9 | Bromomethane | | 1.0 | U |
| 75-00-3 | Chloroethane | | 1.0 | U |
| 75-35-4 | 1,1-Dichloroethylene | | 0.77 | J |
| 67-64-1 | Acetone | | 5.0 | U |
| 75-15-0 | Carbon disulfide | | 5.0 | U |
| 75-09-2 | Methylene chloride | | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | | 1.0 | U |
| 78-93-3 | 2-Butanone | | 5.0 | U |
| 540-59-0 | 1,2-Dichloroethylene (total) | 442 | ~~585~~ 585 | E D |
| 67-66-3 | Chloroform | | 1.0 | U |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.0 | U |
| 56-23-5 | Carbon tetrachloride | | 1.0 | U |
| 107-06-2 | 1,2-Dichloroethane | | 1.0 | U |
| 71-43-2 | Benzene | | 1.0 | U |
| 79-01-6 | Trichloroethylene | | 1.0 | U |
| 78-87-5 | 1,2-Dichloropropane | | 1.0 | U |
| 75-27-4 | Bromodichloromethane | | 1.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropylene | | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 1.6 | |
| 108-88-3 | Toluene | | 1.0 | U |
| 10061-02-6 | trans-1,3-Dichloropropylene | | 1.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 5.0 | U |
| 591-78-6 | 2-Hexanone | | 1.0 | U |
| 127-18-4 | Tetrachloroethylene | | 1.0 | U |
| 124-48-1 | Dibromochloromethane | | 1.0 | U |
| 108-90-7 | Chlorobenzene | | 1.0 | U |
| 100-41-4 | Ethylbenzene | | 1.0 | U |
| 1330-20-7 | Xylenes (total) | | 1.0 | U |
| 100-42-5 | Styrene | | 1.0 | U |
| 75-25-2 | Bromoform | | 1.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.0 | U |

U U U J U U U U U U

OLM03.0

FORM I VOA

DATA VALIDATION COPY

Saturday 1/14

SAIC An Employee-Owned Company
Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Oak Ridge, TN 37831 (423)481-4600

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM58

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: ~~Patty Stoll~~ Sharon Stiller

Sampler (Signature): Patricia A Stoll (Printed Name): PATRICIA A. STOLL

COJ 153907. REQUESTED PARAMETERS

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AF12E2 | 1/11/06 | 1450 | Water | 2 | | | | | | | | | | | 2 | | |
| AF07E2 | | 1435 | | 2 | | | | | | | | | | | 2 | | |
| AF02E2 | | 1420 | | 2 | | | | | | | | | | | 2 | | |
| AF05E2 | | 1430 | | 2 | | | | | | | | | | | 2 | | |
| TH0414 | | 0745 | | 2 | | | | | | | | | | | 2 | | |
| AF02E6 | | 1410 | | 2 | | | | | | | | | | | 2 | | |

JV-114

RSO 1/14/06

| | | | | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: Patricia A Stoll | Date/Time 1/14/06 1230 | RECEIVED BY: | Date/Time 1/18/06 1505 | TOTAL NUMBER OF CONTAINERS: 12 | Cooler Temperature: 4°C |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | | Cooler ID: #78 | FEDEX NUMBER: N/A |
| RECEIVED BY: Ben Watkins | Date/Time 1/14/06 1230 | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: Gel | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/17/05 1505 | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: Gel | | COMPANY NAME: | | | |

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road Charleston, SC 29407

PHONE NO: (843)556-8171

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Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Oak Ridge, TN 37831 (423)481-4600

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM60

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

REQUESTED PARAMETERS

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | PAH | LEAD | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AMT2A2 | 1/16/06 | 1610 | water | | | | | | | | | | | | 2 | | 2 | | |
| AMT3A2 | | 1555 | | | | | | | | | | | | | 2 | | 2 | | |
| AMT7A2 | | 1535 | | | | | | | | | | | | | 2 | | 2 | | |
| AMT9A2 | | 1500 | | | | | | | | | | | | | 2 | | 2 | | |
| AMTBA2 | | 1450 | | | | | | | | | | | | | 2 | | 2 | | |
| AC0266 | 1/14/06 | 1530 | | | | | | | | | | | | | | 1 | 1 | | |
| AC1162 | | 1435 | | | | | | | | | | | | | | 1 | 1 | | |
| AC1362 | | 1055 | | | | | | | | | | | | | | 1 | 1 | | |

RSH 1/18/06

TOTAL NUMBER OF CONTAINERS: 13

Cooler Temperature: 4°C

Cooler ID: 506

FEDEX NUMBER: N/A

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patricia A. Stoll | 1/18/06 1110 | | 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM61

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | PAH | LEAD | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AMT8A2 | 1/16/06 | 1425 | water | | | | | | | | | | | | 2 | | 2 | | |
| AMT6A2 | ↓ | 1400 | ↓ | | | | | | | | | | | | 2 | | 2 | | |
| AC0662 | 1/14/06 | 1250 | | | | 2 | | | | | | | | | | 1 | 3 | | |
| AC1362 | ↓ | 1055 | | | | 2 | | | | | | | | | | | 2 | | |
| AC1162 | ↓ | 1435 | | | | 2 | | | | | | | | | | | 2 | | |
| AC0262 | 1/15/06 | 1230 | | | | | | | | | | | | | | 1 | 1 | | |
| AC2462 | ↓ | 1230 | ↓ | | | | | | | | | | | | | 1 | 1 | | |

P Stoll 1/18/06

IV-116

REQUESTED PARAMETERS

TOTAL NUMBER OF CONTAINERS: 13

Cooler Temperature: 4 °C

Cooler ID: 510.

FEDEX NUMBER: N/A

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patricia A Stoll | 1/18/06 1110 | | 1/18/06 14 °C |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watters | Date/Time 1/18/06 1810 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watters | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM62

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): P Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACØ266 | 1/14/06 | 1530 | water | | | 2 | | | | | | | | | | 2 | | |
| ACØ962 | ↓ | 1620 | | | | 2 | | | | | | | | | 1 | 3 | | |
| ACØ862 | ↓ | 1415 | | | | 2 | | | | | | | | | 1 | 3 | | |
| AC2462 | 1/15/06 | 1230 | | | | 2 | | | | | | | | | | 2 | | |
| ACØ262 | ↓ | 1230 | ↓ | | | 2 | | | | | | | | | | 2 | | |
| | | | | | | | | | | | | | | | | | J | |

P Stoll 1/18/06

IV-117

TOTAL NUMBER OF CONTAINERS: 12

Cooler Temperature: 4°C

Cooler ID: 102

FEDEX NUMBER: N/A

| | | | |
|---|---|---|---|
| RELINQUISHED BY: P Stoll | Date/Time 1/18/06 1110 | RECEIVED BY: | Date/Time 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Don Watters | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watters | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: Gel | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM63

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): P. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | LEAD | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC1064 | 1/14/06 | 1000 | water | | | 2 | | | | | | | | | 1 | 3 | | |
| AC1062 | ↓ | 1000 | ↓ | | | 2 | | | | | | | | | 1 | 3 | | |
| AC2362 | | 1650 | | | | 2 | | | | | | | | | 1 | 3 | | |
| AC0462 | | 1145 | | | | 2 | | | | | | | | | 1 | 3 | | |

P. Stoll 1/18/06

IV-118

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| P. Stoll | 1/18/06 1116 | | 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

TOTAL NUMBER OF CONTAINERS: 12

Cooler ID: 222

Cooler Temperature: 4°C

FEDEX NUMBER: N/A

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM64

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia Q Stoll (Printed Name): PATRICIA A. STOLL

153986%. REQUESTED PARAMETERS

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC1162 | 1/14/06 | 1435 | water | | 2 | | | | | | | | | | 2 | | |
| AC1362 | | 1055 | | | 2 | | | | | | | | | | 2 | | |
| AC0602 | | 1250 | | | 2 | | | | | | | | | | 2 | | |
| TH0415 | | 0745 | | | 2 | | | | | | | | | | 2 | | |
| AC0206 | | 1530 | | | 2 | | | | | | | | | | 2 | | |
| AC2362 | | 1650 | | | 2 | | | | | | | | | | 2 | | |
| AC1062 | | 1000 | | | 2 | | | | | | | | | | 2 | | |
| AC0962 | | 1620 | | | 2 | | | | | | | | | | 2 | | |
| AC1064 | | 1000 | | | 2 | | | | | | | | | | 2 | | |
| AC0862 | | 1415 | | | 2 | | | | | | | | | | 2 | | |
| AC0462 | | 1145 | | | 2 | | | | | | | | | | 2 | | |
| AC0262 | 1/15/06 | 1230 | | | 2 | | | | | | | | | | 2 | | |
| AC2462 | | 1230 | | | 2 | | | | | | | | | | 2 | | |

IV-119

TOTAL NUMBER OF CONTAINERS: 90

Cooler Temperature: 4 °C

Cooler ID: 125

FEDEX NUMBER: N/A

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patricia Q Stoll | 1/18/06 1110 | | 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watts | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watts | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM64

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia O Stoll (Printed Name): PATRICIA A STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AS0242 | 1/15/06 | 1515 | water | | 2 | | | | | | | | | | 2 | | |
| AS0142 | | 1445 | | | 2 | | | | | | | | | | 2 | | |
| AS0342 | | 1550 | | | 2 | | | | | | | | | | 2 | | |
| AS7142 | | 1345 | | | 2 | | | | | | | | | | 2 | | |
| AS0244 | | 1515 | | | 2 | | | | | | | | | | 2 | | |
| AK0692 | 1/16/06 | 0940 | | 2 | | | | | | | | | | | 2 | | |
| AK0592 | | 1040 | | 2 | | | | | | | | | | | 2 | | |
| AK0594 | | 1040 | | 2 | | | | | | | | | | | 2 | | |
| AN1992 | | 0945 | | 2 | | | | | | | | | | | 2 | | |
| AN0192 | | 1120 | | 2 | | | | | | | | | | | 2 | | |
| AN2292 | | 0845 | | 2 | | | | | | | | | | | 2 | | |
| AN0292 | | 1350 | | 2 | | | | | | | | | | | 2 | | |
| AN1892 | | 1030 | | 2 | | | | | | | | | | | 2 | | |

TV-120

REQUESTED PARAMETERS

TOTAL NUMBER OF CONTAINERS: 90

Cooler Temperature: 4°C

Cooler ID: 125

FEDEX NUMBER: NA

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patricia O Stoll | 1/18/06 1110 | | 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: HLTM64

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patty Stoll (Printed Name): PATRICIA A. STOLL

153987. REQUESTED PARAMETERS

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AN2392 | 1/16/06 | 1135 | water | 2 | | | | | | | | | | | 2 | | |
| AMT4A4 | | 1635 | | 2 | | | | | | | | | | | 2 | | |
| AMT4A2 | | 1635 | | 2 | | | | | | | | | | | 2 | | |
| AMTØA2 | | 1515 | | 2 | | | | | | | | | | | 2 | | |
| AMT2A2 | | 1610 | | 2 | | | | | | | | | | | 2 | | |
| AMT3A2 | | 1555 | | 2 | | | | | | | | | | | 2 | | |
| AMT5A2 | | 1545 | | 2 | | | | | | | | | | | 2 | | |
| AMT1A2 | | 1620 | | 2 | | | | | | | | | | | 2 | | |
| AMTAA2 | | 1440 | | 2 | | | | | | | | | | | 2 | | |
| AMT8A2 | | 1425 | | 2 | | | | | | | | | | | 2 | | |
| AMT9A2 | | 1500 | | 2 | | | | | | | | | | | 2 | | |
| AMTBA2 | | 1450 | | 2 | | | | | | | | | | | 2 | | |
| AMT6A2 | 1/3/1990 | 1400 | ↓ | 2 | | | | | | | | | | | 2 | | |

IN-121

Cooler Temperature: 4°C

TOTAL NUMBER OF CONTAINERS: 98

Cooler ID: 125

FEDEX NUMBER: N/A

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patty Stoll | 1/18/06 1110 | | 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |

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# CHAIN OF CUSTODY RECORD

COC NO.: FLTM164

1539917

PROJECT NAME: Fort Stewart LTM, DO 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Road, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Nitrate, Nitrite, Sulfate | Sulfide | Total Iron | Methane | Carbon Dioxide | Total Phosphorus | MTBE | Hexavalent Chromium | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AS0542 | 1/16/06 | 0910 | water | | 2 | | | | | | | | | | 2 | | |
| AS1442 | | 1140 | | | 2 | | | | | | | | | | 2 | | |
| AS0842 | | 1020 | | | 2 | | | | | | | | | | 2 | | |
| AS0742 | | 1045 | | | 2 | | | | | | | | | | 2 | | |
| AS0442 | | 0935 | | | 2 | | | | | | | | | | 2 | | |
| AS0642 | | 0955 | | | 2 | | | | | | | | | | 2 | | |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |

AV-122

1/18/06
PS Stoll

REQUESTED PARAMETERS

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patricia A Stoll | 1/18/06 1110 | | 1/18/06 1400 |
| COMPANY NAME: SAIC | | COMPANY NAME: GEL | |
| RECEIVED BY: Ben Watkins | Date/Time 1/18/06 1110 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL Ben Watkins | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Watkins | Date/Time 1/18/06 1400 | RECEIVED BY: | Date/Time |
| COMPANY NAME: Gel | | COMPANY NAME: | |

TOTAL NUMBER OF CONTAINERS: ~~12~~ 90

Cooler ID: 125

Cooler Temperature: 4 °C

FEDEX NUMBER: N/A

# FORMER FIRE TRAINING AREA

# JULY 2006

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167957
Lab Sample ID: 167957001

Client ID: AC0272
Batch ID: 556074
Run Date: 08/08/2006 19:29

Date Collected: 07/26/2006 09:00
Date Received: 07/27/2006 10:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA5.1
Analyst: DXK1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | U | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 1.04 | = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167957 | Date Collected: | 07/26/2006 09:00 | Matrix: | WATER |
| Lab Sample ID: | 167957001 | Date Received: | 07/27/2006 10:30 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0272 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 556074 | Inst: | VOA5.I | Dilution: | 1 |
| Run Date: | 08/08/2006 19:29 | Analyst: | DXK1 | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.836 | J | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 4.70 | = | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167957
Lab Sample ID: 167957001

Client ID: AC0272
Batch ID: 552943
Run Date: 08/08/2006 23:20
Prep Date: 07/31/2006 16:45

Date Collected: 07/26/2006 09:00
Date Received: 07/27/2006 10:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 1000 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.0 | ug/L | 3.00 | 10.0 |
| 108-95-2 | Phenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167957 | **Date Collected:** | 07/26/2006 09:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167957001 | **Date Received:** | 07/27/2006 10:30 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0272 | **Method:** | SW846 8270C | **SOP Ref:** | GL–OA–E–009 |
| **Batch ID:** | 552943 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 08/08/2006 23:20 | **Analyst:** | JMB3 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/31/2006 16:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105–67–9 | 2,4–Dimethylphenol | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 111–91–1 | bis(2–Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120–83–2 | 2,4–Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91–20–3 | Naphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 106–47–8 | 4–Chloroaniline | U | 10.0 U5 | ug/L C05 | 2.00 | 10.0 |
| 87–68–3 | Hexachlorobutadiene | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 91–57–6 | 2–Methylnaphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 77–47–4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 92–52–4 | 1,1'–Biphenyl | U | 10.0 | ug/L | 3.00 | 10.0 |
| 88–06–2 | 2,4,6–Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95–95–4 | 2,4,5–Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91–58–7 | 2–Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88–74–4 | o–Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99–09–2 | m–Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131–11–3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606–20–2 | 2,6–Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208–96–8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 51–28–5 | 2,4–Dinitrophenol | U | 20.0 | ug/L | 10.0 | 20.0 |
| 132–64–9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84–66–2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86–73–7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167957
Lab Sample ID: 167957001

Client ID: AC0272
Batch ID: 552943
Run Date: 08/08/2006 23:20
Prep Date: 07/31/2006 16:45

Date Collected: 07/26/2006 09:00
Date Received: 07/27/2006 10:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 1000 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 1912-24-9 | Atrazine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | | 30.1 | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167957
Lab Sample ID: 167957001

Client ID: AC0272
Batch ID: 552943
Run Date: 08/08/2006 23:20
Prep Date: 07/31/2006 16:45

Date Collected: 07/26/2006 09:00
Date Received: 07/27/2006 10:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 1000 mL

Matrix: WATER

Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 U | ug/L | 0.200 | 1.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 10.0 | ug/L | 0.200 | 10.0 |
| 98-55-5 | alpha-Terpineol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

METHOD TYPE: SW846

SDG No: 167957

CLIENT ID: AC0272

SAMPLE ID: 167957001

CONTRACT: SAIC007202

MATRIX: W

DATE RECEIVED 27-JUL-06

LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080906-1 |

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DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804023

Client ID: AC0472
Batch ID: 554322
Run Date: 08/03/2006 00:00

Date Collected: 07/24/2006 16:55
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 16:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804023 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0472 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554322 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 08/03/2006 00:00 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | ~~U~~ | 1.00 ~~0.592~~ | U | ug/L F01, F06 | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 16:55 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804002 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0472 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 552480 | **Inst:** | MSD6.I | **Dilution:** | 1 |
| **Run Date:** | 07/31/2006 19:09 | **Analyst:** | JLD1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/28/2006 15:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.0 U | ug/L | 3.00 | 10.0 |
| 108-95-2 | Phenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 16:55 | Matrix: | WATER |
| Lab Sample ID: | 167804002 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0472 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.1 | Dilution: | 1 |
| Run Date: | 07/31/2006 19:09 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-20-3 | Naphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.0 | ug/L | 3.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **167804** | **Date Collected:** | **07/24/2006 16:55** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **167804002** | **Date Received:** | **07/25/2006 11:55** | | |
| | | **Client:** | **SAIC072** | **Project:** | **SAIC007202** |
| **Client ID:** | **AC0472** | **Method:** | **SW846 8270C** | **SOP Ref:** | **GL-OA-E-009** |
| **Batch ID:** | **552480** | **Inst:** | **MSD6.I** | **Dilution:** | **1** |
| **Run Date:** | **07/31/2006 19:09** | **Analyst:** | **JLD1** | **Inj. Vol:** | **.5 uL** |
| **Prep Date:** | **07/28/2006 15:45** | **Aliquot:** | **1000 mL** | **Final Volume:** | **1 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 1912-24-9 | Atrazine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 16:55 | Matrix: | WATER |
| Lab Sample ID: | 167804002 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0472 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 19:09 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 10.0 | ug/L | 0.200 | 10.0 |
| 98-55-5 | alpha-Terpineol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

SDG No: 167804 METHOD TYPE: SW846

SAMPLE ID: 167804013 CLIENT ID: AC0472

CONTRACT: SAIC007202

MATRIX: W DATE RECEIVED 25-JUL-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080806-1 |

4

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **167804** | **Date Collected:** | **07/24/2006 16:05** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **167804022** | **Date Received:** | **07/25/2006 11:55** | | |
| | | **Client:** | **SAIC072** | **Project:** | **SAIC007202** |
| **Client ID:** | **AC0476** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **554322** | **Inst:** | **VOA7.I** | **Dilution:** | **1** |
| **Run Date:** | **08/02/2006 23:31** | **Analyst:** | **YS1** | **Purge Vol:** | **5 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | | 9.83 = | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | J | 1.70 J | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804022

Client ID: AC0476
Batch ID: 554322
Run Date: 08/02/2006 23:31

Date Collected: 07/24/2006 16:05
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | B | 1.02 | U | ug/L F01, F07 | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 16:05 | Matrix: | WATER |
| Lab Sample ID: | 167804001 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0476 | Method: | SW846 8270C | SOP Ref: | GL–OA–E–009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 18:46 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100–52–7 | Benzaldehyde | U | 10.0 | ug/L | 3.00 | 10.0 |
| 108–95–2 | Phenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 95–57–8 | 2–Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106–46–7 | 1,4–Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621–64–7 | N–Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59–50–7 | 4–Chloro–3–methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83–32–9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121–14–2 | 2,4–Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100–02–7 | 4–Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87–86–5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129–00–0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111–44–4 | bis(2–Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541–73–1 | 1,3–Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95–50–1 | 1,2–Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108–60–1 | bis(2–Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95–48–7 | o–Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794–96–9 | m,p–Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67–72–1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98–95–3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78–59–1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88–75–5 | 2–Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 16:05 | Matrix: | WATER |
| Lab Sample ID: | 167804001 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0476 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 18:46 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-20-3 | Naphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.0 | ug/L | 3.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 16:05 | Matrix: | WATER |
| Lab Sample ID: | 167804001 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0476 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6J | Dilution: | 1 |
| Run Date: | 07/31/2006 18:46 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 1912-24-9 | Atrazine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 16:05 | Matrix: | WATER |
| Lab Sample ID: | 167804001 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0476 | Method: | SW846 8270C | SOP Ref: | GL–OA–E–009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 18:46 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53–70–3 | Dibenzo(a,h)anthracene | U | 1.00 U | ug/L | 0.200 | 1.00 |
| 191–24–2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86–74–8 | Carbazole | U | 10.0 | ug/L | 0.200 | 10.0 |
| 98–55–5 | alpha–Terpineol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120–82–1 | 1,2,4–Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 167804 METHOD TYPE: SW846

SAMPLE ID: 167804012 CLIENT ID: AC0476

CONTRACT: SAIC007202

MATRIX: W DATE RECEIVED 25-JUL-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080806-1 |

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DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167868 | Date Collected: | 07/25/2006 10:30 | Matrix: | WATER |
| Lab Sample ID: | 167868003 | Date Received: | 07/26/2006 14:40 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0672 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 554798 | Inst: | VOA2.I | Dilution: | 1 |
| Run Date: | 08/04/2006 21:56 | Analyst: | CDS1 | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.46 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 24.8 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 5.50 = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 10:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868003 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0672 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554798 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 08/04/2006 21:56 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 5.76 = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | J | 0.645 J | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 12.1 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868003

Client ID: AC0672
Batch ID: 552943
Run Date: 08/04/2006 06:08
Prep Date: 07/31/2006 16:45

Date Collected: 07/25/2006 10:30
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 990 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.1 U | ug/L | 3.03 | 10.1 |
| 108-95-2 | Phenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 95-57-8 | 2-Chlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 83-32-9 | Acenaphthene | U | 1.01 | ug/L | 0.313 | 1.01 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 100-02-7 | 4-Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-86-5 | Pentachlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 129-00-0 | Pyrene | U | 1.01 | ug/L | 0.303 | 1.01 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-48-7 | o-Cresol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 65794-96-9 | m,p-Cresols | U | 10.1 | ug/L | 3.03 | 10.1 |
| 67-72-1 | Hexachloroethane | U | 10.1 | ug/L | 2.02 | 10.1 |
| 98-95-3 | Nitrobenzene | U | 10.1 | ug/L | 3.03 | 10.1 |
| 78-59-1 | Isophorone | U | 10.1 | ug/L | 2.02 | 10.1 |
| 88-75-5 | 2-Nitrophenol | U | 10.1 | ug/L | 2.02 | 10.1 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 10:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868003 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0672 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 552943 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 08/04/2006 06:08 | **Analyst:** | JMB3 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/31/2006 16:45 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.1 | ug/L | 3.03 | 10.1 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 91-20-3 | Naphthalene | | 42.5 | ug/L | 0.303 | 1.01 |
| 106-47-8 | 4-Chloroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 87-68-3 | Hexachlorobutadiene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 91-57-6 | 2-Methylnaphthalene | | 4.27 | ug/L | 0.303 | 1.01 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.1 | ug/L | 3.03 | 10.1 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.1 | ug/L | 2.02 | 10.1 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.1 | ug/L | 1.01 | 10.1 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.01 | ug/L | 0.354 | 1.01 |
| 88-74-4 | o-Nitroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 99-09-2 | m-Nitroaniline | U | 10.1 | ug/L | 2.02 | 10.1 |
| 131-11-3 | Dimethylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 208-96-8 | Acenaphthylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.2 | ug/L | 10.1 | 20.2 |
| 132-64-9 | Dibenzofuran | U | 10.1 | ug/L | 2.02 | 10.1 |
| 84-66-2 | Diethylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 86-73-7 | Fluorene | U | 1.01 | ug/L | 0.202 | 1.01 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868003

Client ID: AC0672
Batch ID: 552943
Run Date: 08/04/2006 06:08
Prep Date: 07/31/2006 16:45

Date Collected: 07/25/2006 10:30
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 990 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.1 U | ug/L | 2.02 | 10.1 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.1 | ug/L | 3.03 | 10.1 |
| 100-01-6 | p-Nitroaniline | U | 10.1 | ug/L | 3.03 | 10.1 |
| 122-39-4 | Diphenylamine | U | 10.1 | ug/L | 3.03 | 10.1 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.1 | ug/L | 2.02 | 10.1 |
| 118-74-1 | Hexachlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |
| 1912-24-9 | Atrazine | U | 10.1 | ug/L | 2.02 | 10.1 |
| 85-01-8 | Phenanthrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 120-12-7 | Anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 84-74-2 | Di-n-butylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 206-44-0 | Fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 85-68-7 | Butylbenzylphthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 56-55-3 | Benzo(a)anthracene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.1 | ug/L | 1.01 | 10.1 |
| 218-01-9 | Chrysene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.1 | ug/L | 2.02 | 10.1 |
| 117-84-0 | Di-n-octylphthalate | U | 10.1 | ug/L | 3.03 | 10.1 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 50-32-8 | Benzo(a)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.01 | ug/L | 0.202 | 1.01 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 10:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868003 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0672 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 552943 | **Inst:** | MSD5.I | **Dilution:** | 1 |
| **Run Date:** | 08/04/2006 06:08 | **Analyst:** | JMB3 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/31/2006 16:45 | **Aliquot:** | 990 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.01 U | ug/L | 0.202 | 1.01 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.01 | ug/L | 0.202 | 1.01 |
| 86-74-8 | Carbazole | U | 10.1 | ug/L | 0.202 | 10.1 |
| 98-55-5 | alpha-Terpineol | U | 10.1 | ug/L | 3.03 | 10.1 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.1 | ug/L | 2.02 | 10.1 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 167868 METHOD TYPE: SW846

SAMPLE ID: 167868003 CLIENT ID: AC0672

CONTRACT: SAIC007202

MATRIX: W DATE RECEIVED 26-JUL-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080706-1 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804019

Client ID: AC0872
Batch ID: 554322
Run Date: 08/03/2006 08:46

Date Collected: 07/24/2006 14:50
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 2.66 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | J | 3.28 J | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 26.0 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.749 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 14:50 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804019 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0872 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554322 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 08/03/2006 08:46 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.625 J | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | ~~U~~ | 1.00 ~~0.957~~ U | ug/L F91, F96 | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.828 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 14:50 | Matrix: | WATER |
| Lab Sample ID: | 167804008 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0872 | Method: | SW846 8270C | SOP Ref: | GL–OA–E–009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 08/01/2006 12:09 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1020 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100–52–7 | Benzaldehyde | U | 9.80 U | ug/L | 2.94 | 9.80 |
| 108–95–2 | Phenol | U | 9.80 | ug/L | 0.980 | 9.80 |
| 95–57–8 | 2–Chlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 106–46–7 | 1,4–Dichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 621–64–7 | N–Nitrosodipropylamine | U | 9.80 | ug/L | 1.96 | 9.80 |
| 59–50–7 | 4–Chloro–3–methylphenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 83–32–9 | Acenaphthene | U | 0.980 | ug/L | 0.304 | 0.980 |
| 121–14–2 | 2,4–Dinitrotoluene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 100–02–7 | 4–Nitrophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 87–86–5 | Pentachlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 129–00–0 | Pyrene | U | 0.980 | ug/L | 0.294 | 0.980 |
| 111–44–4 | bis(2–Chloroethyl) ether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 541–73–1 | 1,3–Dichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 95–50–1 | 1,2–Dichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 108–60–1 | bis(2–Chloroisopropyl)ether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 95–48–7 | o–Cresol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 65794–96–9 | m,p–Cresols | U | 9.80 | ug/L | 2.94 | 9.80 |
| 67–72–1 | Hexachloroethane | U | 9.80 | ug/L | 1.96 | 9.80 |
| 98–95–3 | Nitrobenzene | U | 9.80 | ug/L | 2.94 | 9.80 |
| 78–59–1 | Isophorone | U | 9.80 | ug/L | 1.96 | 9.80 |
| 88–75–5 | 2–Nitrophenol | U | 9.80 | ug/L | 1.96 | 9.80 |



DATA VALIDATION
COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 14:50 | Matrix: | WATER |
| Lab Sample ID: | 167804008 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0872 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 08/01/2006 12:09 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1020 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 9.80 | ug/L | 2.94 | 9.80 |
| 120-83-2 | 2,4-Dichlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 91-20-3 | Naphthalene | | 4.96 | ug/L | 0.294 | 0.980 |
| 106-47-8 | 4-Chloroaniline | U | 9.80 | ug/L | 1.96 | 9.80 |
| 87-68-3 | Hexachlorobutadiene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 91-57-6 | 2-Methylnaphthalene | J | 0.315 | ug/L | 0.294 | 0.980 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 92-52-4 | 1,1'-Biphenyl | U | 9.80 | ug/L | 2.94 | 9.80 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 9.80 | ug/L | 1.96 | 9.80 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 9.80 | ug/L | 0.980 | 9.80 |
| 91-58-7 | 2-Chloronaphthalene | U | 0.980 | ug/L | 0.343 | 0.980 |
| 88-74-4 | o-Nitroaniline | U | 9.80 | ug/L | 1.96 | 9.80 |
| 99-09-2 | m-Nitroaniline | U | 9.80 | ug/L | 1.96 | 9.80 |
| 131-11-3 | Dimethylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 208-96-8 | Acenaphthylene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 51-28-5 | 2,4-Dinitrophenol | U | 19.6 | ug/L | 9.80 | 19.6 |
| 132-64-9 | Dibenzofuran | U | 9.80 | ug/L | 1.96 | 9.80 |
| 84-66-2 | Diethylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 86-73-7 | Fluorene | U | 0.980 | ug/L | 0.196 | 0.980 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 14:50 | Matrix: | WATER |
| Lab Sample ID: | 167804008 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0872 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 08/01/2006 12:09 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1020 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 9.80 U | ug/L | 1.96 | 9.80 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 9.80 | ug/L | 2.94 | 9.80 |
| 100-01-6 | p-Nitroaniline | U | 9.80 | ug/L | 2.94 | 9.80 |
| 122-39-4 | Diphenylamine | U | 9.80 | ug/L | 2.94 | 9.80 |
| 101-55-3 | 4-Bromophenylphenylether | U | 9.80 | ug/L | 1.96 | 9.80 |
| 118-74-1 | Hexachlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |
| 1912-24-9 | Atrazine | U | 9.80 | ug/L | 1.96 | 9.80 |
| 85-01-8 | Phenanthrene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 120-12-7 | Anthracene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 84-74-2 | Di-n-butylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 206-44-0 | Fluoranthene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 85-68-7 | Butylbenzylphthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 56-55-3 | Benzo(a)anthracene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 9.80 | ug/L | 0.980 | 9.80 |
| 218-01-9 | Chrysene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 9.80 | ug/L | 1.96 | 9.80 |
| 117-84-0 | Di-n-octylphthalate | U | 9.80 | ug/L | 2.94 | 9.80 |
| 205-99-2 | Benzo(b)fluoranthene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 207-08-9 | Benzo(k)fluoranthene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 50-32-8 | Benzo(a)pyrene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 0.980 | ug/L | 0.196 | 0.980 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 14:50 | Matrix: | WATER |
| Lab Sample ID: | 167804008 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0872 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 08/01/2006 12:09 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1020 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 0.980 U | ug/L | 0.196 | 0.980 |
| 191-24-2 | Benzo(ghi)perylene | U | 0.980 | ug/L | 0.196 | 0.980 |
| 86-74-8 | Carbazole | U | 9.80 | ug/L | 0.196 | 9.80 |
| 98-55-5 | alpha-Terpineol | U | 9.80 | ug/L | 2.94 | 9.80 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 9.80 | ug/L | 1.96 | 9.80 |



DATA VALIDATION

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**SDG No:** 167804 **METHOD TYPE:** SW846

**SAMPLE ID:** 167804008 **CLIENT ID:** AC0872

**CONTRACT:** SAIC007202

**MATRIX:** W **DATE RECEIVED** 25-JUL-06 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080806-1 |

4

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804017

Client ID: AC0972
Batch ID: 554322
Run Date: 08/03/2006 04:20

Date Collected: 07/24/2006 12:10
Date Received: 07/25/2006 11:55
Client: SA1C072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SA1C007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 4.24 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | D = 242 229 = | | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.841 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 12:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804017 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0972 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554322 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 08/03/2006 04:20 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

USB

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 7.23 = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 1.30 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 12:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804007 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0972 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 552480 | **Inst:** | MSD6.I | **Dilution:** | 1 |
| **Run Date:** | 08/02/2006 19:09 | **Analyst:** | JLD1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/28/2006 15:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.0 U | ug/L | 3.00 | 10.0 |
| 108-95-2 | Phenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 12:10 | Matrix: | WATER |
| Lab Sample ID: | 167804007 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC0972 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 08/02/2006 19:09 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-20-3 | Naphthalene | | 42.2 | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | | 8.81 | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.0 | ug/L | 3.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 12:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804007 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0972 | **Method:** | SW846 8270C | **SOP Ref:** | GL–OA–E–009 |
| **Batch ID:** | 552480 | **Inst:** | MSD6.I | **Dilution:** | 1 |
| **Run Date:** | 08/02/2006 19:09 | **Analyst:** | JLD1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/28/2006 15:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005–72–3 | 4–Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534–52–1 | 2–Methyl–4,6–dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100–01–6 | p–Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122–39–4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101–55–3 | 4–Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118–74–1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 1912–24–9 | Atrazine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85–01–8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120–12–7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84–74–2 | Di–n–butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206–44–0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85–68–7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56–55–3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91–94–1 | 3,3'–Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218–01–9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117–81–7 | bis(2–Ethylhexyl)phthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 117–84–0 | Di–n–octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205–99–2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207–08–9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50–32–8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193–39–5 | Indeno(1,2,3–cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 12:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804007 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC0972 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 552480 | **Inst:** | MSD6.1 | **Dilution:** | 1 |
| **Run Date:** | 08/02/2006 19:09 | **Analyst:** | JLDI | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/28/2006 15:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 10.0 | ug/L | 0.200 | 10.0 |
| 98-55-5 | alpha-Terpineol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 167804 METHOD TYPE: SW846

SAMPLE ID: 167804007 CLIENT ID: AC0972

CONTRACT: SAIC007202

MATRIX: W DATE RECEIVED 25-JUL-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080806-1 |

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DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804026

Client ID: AC1072
Batch ID: 554322
Run Date: 08/03/2006 01:27

Date Collected: 07/23/2006 17:30
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | | 5.41 = | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | D | E 167 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.756 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/23/2006 17:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804026 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC1072 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554322 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 08/03/2006 01:27 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

USQ

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | J | 0.268 | J | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 3.88 | = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | B | 1.60 | U | ug/L Fo1, Fo7 | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 61.1 | = | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/23/2006 17:30 | Matrix: | WATER |
| Lab Sample ID: | 167804004 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC1072 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 19:53 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.0 U | ug/L | 3.00 | 10.0 |
| 108-95-2 | Phenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/23/2006 17:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804004 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC1072 | **Method:** | SW846 8270C | **SOP Ref:** | GL–OA–E–009 |
| **Batch ID:** | 552480 | **Inst:** | MSD6.I | **Dilution:** | 1 |
| **Run Date:** | 07/31/2006 19:53 | **Analyst:** | JLD1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/28/2006 15:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105–67–9 | 2,4–Dimethylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 111–91–1 | bis(2–Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120–83–2 | 2,4–Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91–20–3 | Naphthalene | | 3.49 | ug/L | 0.300 | 1.00 |
| 106–47–8 | 4–Chloroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87–68–3 | Hexachlorobutadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91–57–6 | 2–Methylnaphthalene | J | 0.326 | ug/L | 0.300 | 1.00 |
| 77–47–4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 92–52–4 | 1,1'–Biphenyl | U | 10.0 | ug/L | 3.00 | 10.0 |
| 88–06–2 | 2,4,6–Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95–95–4 | 2,4,5–Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91–58–7 | 2–Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88–74–4 | o–Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99–09–2 | m–Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131–11–3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606–20–2 | 2,6–Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208–96–8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 51–28–5 | 2,4–Dinitrophenol | U | 20.0 | ug/L | 10.0 | 20.0 |
| 132–64–9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84–66–2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86–73–7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/23/2006 17:30 | Matrix: | WATER |
| Lab Sample ID: | 167804004 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC1072 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 19:53 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 1912-24-9 | Atrazine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/23/2006 17:30 | Matrix: | WATER |
| Lab Sample ID: | 167804004 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC1072 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 19:53 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 10.0 | ug/L | 0.200 | 10.0 |
| 98-55-5 | alpha-Terpineol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 167804 METHOD TYPE: SW846

SAMPLE ID: 167804010 CLIENT ID: AC1072

CONTRACT: SAIC007202

MATRIX: W DATE RECEIVED 25-JUL-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080806-1 |

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DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804025

Client ID: AC1172
Batch ID: 554322
Run Date: 08/03/2006 00:58

Date Collected: 07/23/2006 12:30
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 3.68 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.27 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.564 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/23/2006 12:30 | Matrix: | WATER |
| Lab Sample ID: | 167804025 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC1172 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 554322 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 08/03/2006 00:58 | Analyst: | YS1 | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 u | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | J | 0.392 J | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 u | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 1.98 = | ug/L | 0.250 | 1.00 |

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/23/2006 12:30 | Matrix: | WATER |
| Lab Sample ID: | 167804003 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC1172 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 19:31 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.0 U | ug/L | 3.00 | 10.0 |
| 108-95-2 | Phenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/23/2006 12:30 | Matrix: | WATER |
| Lab Sample ID: | 167804003 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC1172 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 19:31 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-20-3 | Naphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.0 | ug/L | 3.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/23/2006 12:30 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804003 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC1172 | **Method:** | SW846 8270C | **SOP Ref:** | GL–OA–E–009 |
| **Batch ID:** | 552480 | **Inst:** | MSD6J | **Dilution:** | 1 |
| **Run Date:** | 07/31/2006 19:31 | **Analyst:** | JLD1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/28/2006 15:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005–72–3 | 4–Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534–52–1 | 2–Methyl–4,6–dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100–01–6 | p–Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122–39–4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101–55–3 | 4–Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118–74–1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 1912–24–9 | Atrazine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85–01–8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120–12–7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84–74–2 | Di–n–butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206–44–0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85–68–7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56–55–3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91–94–1 | 3,3'–Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218–01–9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117–81–7 | bis(2–Ethylhexyl)phthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 117–84–0 | Di–n–octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205–99–2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207–08–9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50–32–8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193–39–5 | Indeno(1,2,3–cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/23/2006 12:30 | Matrix: | WATER |
| Lab Sample ID: | 167804003 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC1172 | Method: | SW846 8270C | SOP Ref: | GL–OA–E–009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 1 |
| Run Date: | 07/31/2006 19:31 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53–70–3 | Dibenzo(a,h)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 191–24–2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86–74–8 | Carbazole | U | 10.0 | ug/L | 0.200 | 10.0 |
| 98–55–5 | alpha–Terpineol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120–82–1 | 1,2,4–Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 167804 METHOD TYPE: SW846

SAMPLE ID: 167804009 CLIENT ID: AC1172

CONTRACT: SAIC007202

MATRIX: W DATE RECEIVED 25-JUL-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080806-1 |

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DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804015

Client ID: AC1372
Batch ID: 554322
Run Date: 08/03/2006 02:25

Date Collected: 07/24/2006 10:00
Date Received: 07/25/2006 11:55
Client: SA1C072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SA1C007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | | 6.76 = | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | D | 105 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 1.05 = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 10:00 | Matrix: | WATER |
| Lab Sample ID: | 167804015 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC1372 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 554322 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 08/03/2006 02:25 | Analyst: | YS1 | Purge Vol: | 5 mL |

USR

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 39.9 | = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | ~~U~~ U | 1.00 0.778 | U | ug/L | F01, F06 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 134 | = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804005 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC1372 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 552480 | **Inst:** | MSD6.I | **Dilution:** | 4 |
| **Run Date:** | 08/02/2006 19:52 | **Analyst:** | JLD1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/28/2006 15:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 40.0 | ug/L | 12.0 | 40.0 |
| 108-95-2 | Phenol | U | 40.0 | ug/L | 4.00 | 40.0 |
| 95-57-8 | 2-Chlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 40.0 | ug/L | 8.00 | 40.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 83-32-9 | Acenaphthene | U | 4.00 | ug/L | 1.24 | 4.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 100-02-7 | 4-Nitrophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 87-86-5 | Pentachlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 129-00-0 | Pyrene | U | 4.00 | ug/L | 1.20 | 4.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 95-48-7 | o-Cresol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 65794-96-9 | m,p-Cresols | U | 40.0 | ug/L | 12.0 | 40.0 |
| 67-72-1 | Hexachloroethane | U | 40.0 | ug/L | 8.00 | 40.0 |
| 98-95-3 | Nitrobenzene | U | 40.0 | ug/L | 12.0 | 40.0 |
| 78-59-1 | Isophorone | U | 40.0 | ug/L | 8.00 | 40.0 |
| 88-75-5 | 2-Nitrophenol | U | 40.0 | ug/L | 8.00 | 40.0 |



DATA VALIDATION

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804005

Client ID: AC1372
Batch ID: 552480
Run Date: 08/02/2006 19:52
Prep Date: 07/28/2006 15:45

Date Collected: 07/24/2006 10:00
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8270C
Inst: MSD6.I
Analyst: JLD1
Aliquot: 1000 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 40.0 | ug/L | 12.0 | 40.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 91-20-3 | Naphthalene | | 131 = | ug/L | 1.20 | 4.00 |
| 106-47-8 | 4-Chloroaniline | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 87-68-3 | Hexachlorobutadiene | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 91-57-6 | 2-Methylnaphthalene | | 51.0 = | ug/L | 1.20 | 4.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 92-52-4 | 1,1'-Biphenyl | U | 40.0 | ug/L | 12.0 | 40.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 40.0 | ug/L | 4.00 | 40.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 4.00 | ug/L | 1.40 | 4.00 |
| 88-74-4 | o-Nitroaniline | U | 40.0 | ug/L | 8.00 | 40.0 |
| 99-09-2 | m-Nitroaniline | U | 40.0 | ug/L | 8.00 | 40.0 |
| 131-11-3 | Dimethylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 208-96-8 | Acenaphthylene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 51-28-5 | 2,4-Dinitrophenol | U | 80.0 | ug/L | 40.0 | 80.0 |
| 132-64-9 | Dibenzofuran | U | 40.0 | ug/L | 8.00 | 40.0 |
| 84-66-2 | Diethylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 86-73-7 | Fluorene | U | 4.00 | ug/L | 0.800 | 4.00 |



DATA VALIDATION

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804005 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC1372 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 552480 | **Inst:** | MSD6.I | **Dilution:** | 4 |
| **Run Date:** | 08/02/2006 19:52 | **Analyst:** | JLD1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/28/2006 15:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 40.0 | ug/L | 12.0 | 40.0 |
| 100-01-6 | p-Nitroaniline | U | 40.0 | ug/L | 12.0 | 40.0 |
| 122-39-4 | Diphenylamine | U | 40.0 | ug/L | 12.0 | 40.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 118-74-1 | Hexachlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 1912-24-9 | Atrazine | U | 40.0 | ug/L | 8.00 | 40.0 |
| 85-01-8 | Phenanthrene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 120-12-7 | Anthracene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 84-74-2 | Di-n-butylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 206-44-0 | Fluoranthene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 85-68-7 | Butylbenzylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 56-55-3 | Benzo(a)anthracene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 40.0 | ug/L | 4.00 | 40.0 |
| 218-01-9 | Chrysene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 117-84-0 | Di-n-octylphthalate | U | 40.0 | ug/L | 12.0 | 40.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 50-32-8 | Benzo(a)pyrene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 4.00 | ug/L | 0.800 | 4.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 10:00 | Matrix: | WATER |
| Lab Sample ID: | 167804005 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC1372 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552480 | Inst: | MSD6.I | Dilution: | 4 |
| Run Date: | 08/02/2006 19:52 | Analyst: | JLD1 | Inj. Vol: | .5 uL |
| Prep Date: | 07/28/2006 15:45 | Aliquot: | 1000 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 4.00 U | ug/L | 0.800 | 4.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 86-74-8 | Carbazole | U | 40.0 | ug/L | 0.800 | 40.0 |
| 98-55-5 | alpha-Terpineol | U | 40.0 | ug/L | 12.0 | 40.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 167804 METHOD TYPE: SW846

SAMPLE ID: 167804011 CLIENT ID: AC1372

CONTRACT: SAIC007202

MATRIX: W DATE RECEIVED 25-JUL-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080806-1 |

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DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

**SDG Number:** 167804
**Lab Sample ID:** 167804016

**Client ID:** AC1374
**Batch ID:** 554322
**Run Date:** 08/03/2006 03:23

**Date Collected:** 07/24/2006 10:00
**Date Received:** 07/25/2006 11:55
**Client:** SAIC072
**Method:** SW846 8260B
**Inst:** VOA7.I
**Analyst:** YS1

**Matrix:** WATER
**Project:** SAIC007202
**SOP Ref:** GL-OA-E-038
**Dilution:** 1
**Purge Vol:** 5 mL

USE

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | | 6.35 | = | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | | 5.76 | = | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | U | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | D | 111 | = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 1.18 | = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804016

Client ID: AC1374
Batch ID: 554322
Run Date: 08/03/2006 03:23

Date Collected: 07/24/2006 10:00
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YSI

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

USR

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 41.4 = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 1.00 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 140 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 10:00 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804006 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC1374 | **Method:** | SW846 8270C | **SOP Ref:** | GL-OA-E-009 |
| **Batch ID:** | 552480 | **Inst:** | MSD6.I | **Dilution:** | 4 |
| **Run Date:** | 08/02/2006 20:15 | **Analyst:** | JLD1 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/28/2006 15:45 | **Aliquot:** | 1000 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 40.0 | ug/L | 12.0 | 40.0 |
| 108-95-2 | Phenol | U | 40.0 | ug/L | 4.00 | 40.0 |
| 95-57-8 | 2-Chlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 40.0 | ug/L | 8.00 | 40.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 83-32-9 | Acenaphthene | U | 4.00 | ug/L | 1.24 | 4.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 100-02-7 | 4-Nitrophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 87-86-5 | Pentachlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 129-00-0 | Pyrene | U | 4.00 | ug/L | 1.20 | 4.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 95-48-7 | o-Cresol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 65794-96-9 | m,p-Cresols | U | 40.0 | ug/L | 12.0 | 40.0 |
| 67-72-1 | Hexachloroethane | U | 40.0 | ug/L | 8.00 | 40.0 |
| 98-95-3 | Nitrobenzene | U | 40.0 | ug/L | 12.0 | 40.0 |
| 78-59-1 | Isophorone | U | 40.0 | ug/L | 8.00 | 40.0 |
| 88-75-5 | 2-Nitrophenol | U | 40.0 | ug/L | 8.00 | 40.0 |



DATA VALIDATION COPY

# Semi–Volatile
# Certificate of Analysis
# Sample Summary

SDG Number: 167804
Lab Sample ID: 167804006

Client ID: AC1374
Batch ID: 552480
Run Date: 08/02/2006 20:15
Prep Date: 07/28/2006 15:45

Date Collected: 07/24/2006 10:00
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8270C
Inst: MSD6.I
Analyst: JLD1
Aliquot: 1000 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL–OA–E–009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105–67–9 | 2,4–Dimethylphenol | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 111–91–1 | bis(2–Chloroethoxy)methane | U | 40.0 | ug/L | 12.0 | 40.0 |
| 120–83–2 | 2,4–Dichlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 91–20–3 | Naphthalene | | 123 = | ug/L | 1.20 | 4.00 |
| 106–47–8 | 4–Chloroaniline | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 87–68–3 | Hexachlorobutadiene | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 91–57–6 | 2–Methylnaphthalene | | 47.1 = | ug/L | 1.20 | 4.00 |
| 77–47–4 | Hexachlorocyclopentadiene | U | 40.0 U | ug/L | 8.00 | 40.0 |
| 92–52–4 | 1,1'–Biphenyl | U | 40.0 | ug/L | 12.0 | 40.0 |
| 88–06–2 | 2,4,6–Trichlorophenol | U | 40.0 | ug/L | 8.00 | 40.0 |
| 95–95–4 | 2,4,5–Trichlorophenol | U | 40.0 | ug/L | 4.00 | 40.0 |
| 91–58–7 | 2–Chloronaphthalene | U | 4.00 | ug/L | 1.40 | 4.00 |
| 88–74–4 | o–Nitroaniline | U | 40.0 | ug/L | 8.00 | 40.0 |
| 99–09–2 | m–Nitroaniline | U | 40.0 | ug/L | 8.00 | 40.0 |
| 131–11–3 | Dimethylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 606–20–2 | 2,6–Dinitrotoluene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 208–96–8 | Acenaphthylene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 51–28–5 | 2,4–Dinitrophenol | U | 80.0 | ug/L | 40.0 | 80.0 |
| 132–64–9 | Dibenzofuran | U | 40.0 | ug/L | 8.00 | 40.0 |
| 84–66–2 | Diethylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 86–73–7 | Fluorene | U | 4.00 | ug/L | 0.800 | 4.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804006

Client ID: AC1374
Batch ID: 552480
Run Date: 08/02/2006 20:15
Prep Date: 07/28/2006 15:45

Date Collected: 07/24/2006 10:00
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8270C
Inst: MSD6.I
Analyst: JLD1
Aliquot: 1000 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 40.0 | ug/L | 12.0 | 40.0 |
| 100-01-6 | p-Nitroaniline | U | 40.0 | ug/L | 12.0 | 40.0 |
| 122-39-4 | Diphenylamine | U | 40.0 | ug/L | 12.0 | 40.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 40.0 | ug/L | 8.00 | 40.0 |
| 118-74-1 | Hexachlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |
| 1912-24-9 | Atrazine | U | 40.0 | ug/L | 8.00 | 40.0 |
| 85-01-8 | Phenanthrene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 120-12-7 | Anthracene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 84-74-2 | Di-n-butylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 206-44-0 | Fluoranthene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 85-68-7 | Butylbenzylphthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 56-55-3 | Benzo(a)anthracene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 40.0 | ug/L | 4.00 | 40.0 |
| 218-01-9 | Chrysene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 40.0 | ug/L | 8.00 | 40.0 |
| 117-84-0 | Di-n-octylphthalate | U | 40.0 | ug/L | 12.0 | 40.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 50-32-8 | Benzo(a)pyrene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 4.00 | ug/L | 0.800 | 4.00 |



DATA VALIDATION

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804006

Client ID: AC1374
Batch ID: 552480
Run Date: 08/02/2006 20:15
Prep Date: 07/28/2006 15:45

Date Collected: 07/24/2006 10:00
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8270C
Inst: MSD6.I
Analyst: JLD1
Aliquot: 1000 mL

Matrix: WATER

Project: SAIC007202
SOP Ref: GL–OA–E–009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53–70–3 | Dibenzo(a,h)anthracene | U | 4.00 U | ug/L | 0.800 | 4.00 |
| 191–24–2 | Benzo(ghi)perylene | U | 4.00 | ug/L | 0.800 | 4.00 |
| 86–74–8 | Carbazole | U | 40.0 | ug/L | 0.800 | 40.0 |
| 98–55–5 | alpha–Terpineol | U | 40.0 | ug/L | 12.0 | 40.0 |
| 120–82–1 | 1,2,4–Trichlorobenzene | U | 40.0 | ug/L | 8.00 | 40.0 |



DATA VALIDATION
COPY

*General Engineering Laboratories, LLC*

**METALS**
**-1-**
**INORGANICS ANALYSIS DATA PACKAGE**

**METHOD TYPE:** SW846

**SDG No:** 167804 **CLIENT ID:** AC1374

**SAMPLE ID:** 167804006

**CONTRACT:** SAIC007202

**MATRIX:** W **DATE RECEIVED** 25-JUL-06 **LEVEL:** Low **%SOLIDS:**

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | U | P | 2 | 1 | TRACE2 | 080806-1 |

DATA VALIDATION COPY

**Volatile**
**Certificate of Analysis**
**Sample Summary**

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167868 | Date Collected: | 07/25/2006 11:40 | Matrix: | WATER |
| Lab Sample ID: | 167868002 | Date Received: | 07/26/2006 14:40 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC2372 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 554798 | Inst: | VOA2.I | Dilution: | 1 |
| Run Date: | 08/05/2006 04:05 | Analyst: | CDS1 | Purge Vol: | 5 mL |

USR

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | D | ~~142~~ 137 | = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 6.57 | = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 11:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868002 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC2372 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554798 | **Inst:** | VOA2.1 | **Dilution:** | 1 |
| **Run Date:** | 08/05/2006 04:05 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |

USQ

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | | 9.97 = | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | J | 0.318 J | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 17.6 = | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868002

Client ID: AC2372
Batch ID: 552943
Run Date: 08/08/2006 21:16
Prep Date: 07/31/2006 16:45

Date Collected: 07/25/2006 11:40
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 1000 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 10.0 U | ug/L | 3.00 | 10.0 |
| 108-95-2 | Phenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 95-57-8 | 2-Chlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 621-64-7 | N-Nitrosodipropylamine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 83-32-9 | Acenaphthene | U | 1.00 | ug/L | 0.310 | 1.00 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 100-02-7 | 4-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 87-86-5 | Pentachlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 129-00-0 | Pyrene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-48-7 | o-Cresol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 65794-96-9 | m,p-Cresols | U | 10.0 | ug/L | 3.00 | 10.0 |
| 67-72-1 | Hexachloroethane | U | 10.0 | ug/L | 2.00 | 10.0 |
| 98-95-3 | Nitrobenzene | U | 10.0 | ug/L | 3.00 | 10.0 |
| 78-59-1 | Isophorone | U | 10.0 | ug/L | 2.00 | 10.0 |
| 88-75-5 | 2-Nitrophenol | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868002

Client ID: AC2372
Batch ID: 552943
Run Date: 08/08/2006 21:16
Prep Date: 07/31/2006 16:45

Date Collected: 07/25/2006 11:40
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 1000 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-83-2 | 2,4-Dichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 91-20-3 | Naphthalene | | 49.1 = | ug/L | 0.300 | 1.00 |
| 106-47-8 | 4-Chloroaniline | U | 10.0 U5 | ug/L C05 | 2.00 | 10.0 |
| 87-68-3 | Hexachlorobutadiene | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | | 9.75 = | ug/L | 0.300 | 1.00 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 10.0 U | ug/L | 2.00 | 10.0 |
| 92-52-4 | 1,1'-Biphenyl | U | 10.0 | ug/L | 3.00 | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 10.0 | ug/L | 2.00 | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 10.0 | ug/L | 1.00 | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | U | 1.00 | ug/L | 0.350 | 1.00 |
| 88-74-4 | o-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 99-09-2 | m-Nitroaniline | U | 10.0 | ug/L | 2.00 | 10.0 |
| 131-11-3 | Dimethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 208-96-8 | Acenaphthylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 51-28-5 | 2,4-Dinitrophenol | U | 20.0 | ug/L | 10.0 | 20.0 |
| 132-64-9 | Dibenzofuran | U | 10.0 | ug/L | 2.00 | 10.0 |
| 84-66-2 | Diethylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 86-73-7 | Fluorene | U | 1.00 | ug/L | 0.200 | 1.00 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868002

Client ID: AC2372
Batch ID: 552943
Run Date: 08/08/2006 21:16
Prep Date: 07/31/2006 16:45

Date Collected: 07/25/2006 11:40
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 1000 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 100-01-6 | p-Nitroaniline | U | 10.0 | ug/L | 3.00 | 10.0 |
| 122-39-4 | Diphenylamine | U | 10.0 | ug/L | 3.00 | 10.0 |
| 101-55-3 | 4-Bromophenylphenylether | U | 10.0 | ug/L | 2.00 | 10.0 |
| 118-74-1 | Hexachlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |
| 1912-24-9 | Atrazine | U | 10.0 | ug/L | 2.00 | 10.0 |
| 85-01-8 | Phenanthrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 120-12-7 | Anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 84-74-2 | Di-n-butylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 206-44-0 | Fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 85-68-7 | Butylbenzylphthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 56-55-3 | Benzo(a)anthracene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 91-94-1 | 3,3'-Dichlorobenzidine | U | 10.0 | ug/L | 1.00 | 10.0 |
| 218-01-9 | Chrysene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | U | 10.0 | ug/L | 2.00 | 10.0 |
| 117-84-0 | Di-n-octylphthalate | U | 10.0 | ug/L | 3.00 | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 207-08-9 | Benzo(k)fluoranthene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 50-32-8 | Benzo(a)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | U | 1.00 | ug/L | 0.200 | 1.00 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868002

Client ID: AC2372
Batch ID: 552943
Run Date: 08/08/2006 21:16
Prep Date: 07/31/2006 16:45

Date Collected: 07/25/2006 11:40
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.1
Analyst: JMB3
Aliquot: 1000 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 1.00 U | ug/L | 0.200 | 1.00 |
| 191-24-2 | Benzo(ghi)perylene | U | 1.00 | ug/L | 0.200 | 1.00 |
| 86-74-8 | Carbazole | U | 10.0 | ug/L | 0.200 | 10.0 |
| 98-55-5 | alpha-Terpineol | U | 10.0 | ug/L | 3.00 | 10.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 10.0 | ug/L | 2.00 | 10.0 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 167868 METHOD TYPE: SW846

SAMPLE ID: 167868002 CLIENT ID: AC2372

CONTRACT: SAIC007202

MATRIX: W DATE RECEIVED 26-JUL-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080706-1 |

U

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167868 | Date Collected: | 07/25/2006 13:10 | Matrix: | WATER |
| Lab Sample ID: | 167868001 | Date Received: | 07/26/2006 14:40 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC2472 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 554798 | Inst: | VOA2.I | Dilution: | 10 |
| Run Date: | 08/05/2006 04:34 | Analyst: | CDS1 | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 10.0 | U | ug/L | 5.00 | 10.0 |
| 75-01-4 | Vinyl chloride | U | 10.0 | | ug/L | 5.00 | 10.0 |
| 74-83-9 | Bromomethane | U | 10.0 | | ug/L | 5.00 | 10.0 |
| 75-00-3 | Chloroethane | U | 10.0 | | ug/L | 5.00 | 10.0 |
| 67-64-1 | Acetone | U | 50.0 | | ug/L | 12.5 | 50.0 |
| 75-35-4 | 1,1-Dichloroethylene | U | 10.0 | | ug/L | 3.00 | 10.0 |
| 75-09-2 | Methylene chloride | U | 50.0 | | ug/L | 20.0 | 50.0 |
| 75-15-0 | Carbon disulfide | J | 14.9 | J | ug/L | 12.5 | 50.0 |
| 75-34-3 | 1,1-Dichloroethane | U | 10.0 | U | ug/L | 3.00 | 10.0 |
| 78-93-3 | 2-Butanone | U | 50.0 | | ug/L | 12.5 | 50.0 |
| 67-66-3 | Chloroform | U | 10.0 | | ug/L | 2.50 | 10.0 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 10.0 | | ug/L | 3.00 | 10.0 |
| 56-23-5 | Carbon tetrachloride | U | 10.0 | | ug/L | 2.50 | 10.0 |
| 107-06-2 | 1,2-Dichloroethane | U | 10.0 | | ug/L | 2.50 | 10.0 |
| 71-43-2 | Benzene | | 963 | = | ug/L | 3.00 | 10.0 |
| 79-01-6 | Trichloroethylene | U | 10.0 | U | ug/L | 2.50 | 10.0 |
| 78-87-5 | 1,2-Dichloropropane | U | 10.0 | | ug/L | 2.50 | 10.0 |
| 75-27-4 | Bromodichloromethane | U | 10.0 | | ug/L | 2.50 | 10.0 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 50.0 | | ug/L | 12.5 | 50.0 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 10.0 | | ug/L | 2.50 | 10.0 |
| 108-88-3 | Toluene | U | 10.0 | | ug/L | 2.50 | 10.0 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 10.0 | | ug/L | 2.50 | 10.0 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 13:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868001 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SA1C072 | **Project:** | SAIC007202 |
| **Client ID:** | AC2472 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554798 | **Inst:** | VOA2.I | **Dilution:** | 10 |
| **Run Date:** | 08/05/2006 04:34 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 10.0 U | ug/L | 2.50 | 10.0 |
| 591-78-6 | 2-Hexanone | U | 50.0 | ug/L | 12.5 | 50.0 |
| 127-18-4 | Tetrachloroethylene | U | 10.0 | ug/L | 2.50 | 10.0 |
| 124-48-1 | Dibromochloromethane | U | 10.0 | ug/L | 2.50 | 10.0 |
| 108-90-7 | Chlorobenzene | U | 10.0 | ug/L | 2.50 | 10.0 |
| 100-41-4 | Ethylbenzene | | 164 | ug/L | 2.50 | 10.0 |
| 100-42-5 | Styrene | U | 10.0 U | ug/L | 2.50 | 10.0 |
| 75-25-2 | Bromoform | U | 10.0 | ug/L | 2.50 | 10.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 10.0 | ug/L | 2.50 | 10.0 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | 10.0 | ug/L | 3.00 | 10.0 |
| 1330-20-7 | Xylenes (total) | | 443 | ug/L | 2.50 | 10.0 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167868 | Date Collected: | 07/25/2006 13:10 | Matrix: | WATER |
| Lab Sample ID: | 167868001 | Date Received: | 07/26/2006 14:40 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AC2472 | Method: | SW846 8270C | SOP Ref: | GL-OA-E-009 |
| Batch ID: | 552943 | Inst: | MSD5.I | Dilution: | 4 |
| Run Date: | 08/08/2006 20:55 | Analyst: | JMB3 | Inj. Vol: | .5 uL |
| Prep Date: | 07/31/2006 16:45 | Aliquot: | 1010 mL | Final Volume: | 1 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 100-52-7 | Benzaldehyde | U | 39.6 U | ug/L | 11.9 | 39.6 |
| 108-95-2 | Phenol | U | 39.6 R | ug/L G03 | 3.96 | 39.6 |
| 95-57-8 | 2-Chlorophenol | U | 39.6 R | ug/L G03 | 7.92 | 39.6 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 39.6 U | ug/L | 7.92 | 39.6 |
| 621-64-7 | N-Nitrosodipropylamine | U | 39.6 U | ug/L | 7.92 | 39.6 |
| 59-50-7 | 4-Chloro-3-methylphenol | U | 39.6 R | ug/L G03 | 7.92 | 39.6 |
| 83-32-9 | Acenaphthene | U | 3.96 U | ug/L | 1.23 | 3.96 |
| 121-14-2 | 2,4-Dinitrotoluene | U | 39.6 U | ug/L | 7.92 | 39.6 |
| 100-02-7 | 4-Nitrophenol | U | 39.6 R | ug/L G03 | 7.92 | 39.6 |
| 87-86-5 | Pentachlorophenol | U | 39.6 R | ug/L G03 | 7.92 | 39.6 |
| 129-00-0 | Pyrene | U | 3.96 U | ug/L | 1.19 | 3.96 |
| 111-44-4 | bis(2-Chloroethyl) ether | U | 39.6 | ug/L | 7.92 | 39.6 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 39.6 | ug/L | 7.92 | 39.6 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 39.6 | ug/L | 7.92 | 39.6 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | U | 39.6 | ug/L | 7.92 | 39.6 |
| 95-48-7 | o-Cresol | U | 39.6 R | ug/L G03 | 7.92 | 39.6 |
| 65794-96-9 | m,p-Cresols | U | 39.6 R | ug/L G03 | 11.9 | 39.6 |
| 67-72-1 | Hexachloroethane | U | 39.6 U | ug/L | 7.92 | 39.6 |
| 98-95-3 | Nitrobenzene | U | 39.6 | ug/L | 11.9 | 39.6 |
| 78-59-1 | Isophorone | U | 39.6 | ug/L | 7.92 | 39.6 |
| 88-75-5 | 2-Nitrophenol | U | 39.6 R | ug/L G03 | 7.92 | 39.6 |



DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868001

Client ID: AC2472
Batch ID: 552943
Run Date: 08/08/2006 20:55
Prep Date: 07/31/2006 16:45

Date Collected: 07/25/2006 13:10
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 1010 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | U | 39.6 R G03 | ug/L | 7.92 | 39.6 |
| 111-91-1 | bis(2-Chloroethoxy)methane | U | 39.6 U | ug/L | 11.9 | 39.6 |
| 120-83-2 | 2,4-Dichlorophenol | U | 39.6 R G03 | ug/L | 7.92 | 39.6 |
| 91-20-3 | Naphthalene | | 192 = | ug/L | 1.19 | 3.96 |
| 106-47-8 | 4-Chloroaniline | U | 39.6 UJ C05 | ug/L | 7.92 | 39.6 |
| 87-68-3 | Hexachlorobutadiene | U | 39.6 U | ug/L | 7.92 | 39.6 |
| 91-57-6 | 2-Methylnaphthalene | | 55.9 = | ug/L | 1.19 | 3.96 |
| 77-47-4 | Hexachlorocyclopentadiene | U | 39.6 U | ug/L | 7.92 | 39.6 |
| 92-52-4 | 1,1'-Biphenyl | U | 39.6 U | ug/L | 11.9 | 39.6 |
| 88-06-2 | 2,4,6-Trichlorophenol | U | 39.6 R G03 | ug/L | 7.92 | 39.6 |
| 95-95-4 | 2,4,5-Trichlorophenol | U | 39.6 R G03 | ug/L | 3.96 | 39.6 |
| 91-58-7 | 2-Chloronaphthalene | U | 3.96 U | ug/L | 1.39 | 3.96 |
| 88-74-4 | o-Nitroaniline | U | 39.6 | ug/L | 7.92 | 39.6 |
| 99-09-2 | m-Nitroaniline | U | 39.6 | ug/L | 7.92 | 39.6 |
| 131-11-3 | Dimethylphthalate | U | 39.6 | ug/L | 7.92 | 39.6 |
| 606-20-2 | 2,6-Dinitrotoluene | U | 39.6 | ug/L | 7.92 | 39.6 |
| 208-96-8 | Acenaphthylene | U | 3.96 | ug/L | 0.792 | 3.96 |
| 51-28-5 | 2,4-Dinitrophenol | U | 79.2 R G03 | ug/L | 39.6 | 79.2 |
| 132-64-9 | Dibenzofuran | U | 39.6 U | ug/L | 7.92 | 39.6 |
| 84-66-2 | Diethylphthalate | U | 39.6 | ug/L | 7.92 | 39.6 |
| 86-73-7 | Fluorene | U | 3.96 | ug/L | 0.792 | 3.96 |

DATA VALIDATION COPY

## Semi–Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 13:10 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868001 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AC2472 | **Method:** | SW846 8270C | **SOP Ref:** | GL–OA–E–009 |
| **Batch ID:** | 552943 | **Inst:** | MSD5.I | **Dilution:** | 4 |
| **Run Date:** | 08/08/2006 20:55 | **Analyst:** | JMB3 | **Inj. Vol:** | .5 uL |
| **Prep Date:** | 07/31/2006 16:45 | **Aliquot:** | 1010 mL | **Final Volume:** | 1 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 7005–72–3 | 4–Chlorophenylphenylether | U | 39.6 | U | ug/L | 7.92 | 39.6 |
| 534–52–1 | 2–Methyl–4,6–dinitrophenol | U | 39.6 | R | ug/L G03 | 11.9 | 39.6 |
| 100–01–6 | p–Nitroaniline | U | 39.6 | U | ug/L | 11.9 | 39.6 |
| 122–39–4 | Diphenylamine | U | 39.6 | | ug/L | 11.9 | 39.6 |
| 101–55–3 | 4–Bromophenylphenylether | U | 39.6 | | ug/L | 7.92 | 39.6 |
| 118–74–1 | Hexachlorobenzene | U | 39.6 | | ug/L | 7.92 | 39.6 |
| 1912–24–9 | Atrazine | U | 39.6 | | ug/L | 7.92 | 39.6 |
| 85–01–8 | Phenanthrene | U | 3.96 | | ug/L | 0.792 | 3.96 |
| 120–12–7 | Anthracene | U | 3.96 | | ug/L | 0.792 | 3.96 |
| 84–74–2 | Di–n–butylphthalate | U | 39.6 | | ug/L | 7.92 | 39.6 |
| 206–44–0 | Fluoranthene | U | 3.96 | | ug/L | 0.792 | 3.96 |
| 85–68–7 | Butylbenzylphthalate | U | 39.6 | | ug/L | 7.92 | 39.6 |
| 56–55–3 | Benzo(a)anthracene | U | 3.96 | | ug/L | 0.792 | 3.96 |
| 91–94–1 | 3,3'–Dichlorobenzidine | U | 39.6 | | ug/L | 3.96 | 39.6 |
| 218–01–9 | Chrysene | U | 3.96 | | ug/L | 0.792 | 3.96 |
| 117–81–7 | bis(2–Ethylhexyl)phthalate | U | 39.6 | | ug/L | 7.92 | 39.6 |
| 117–84–0 | Di–n–octylphthalate | U | 39.6 | | ug/L | 11.9 | 39.6 |
| 205–99–2 | Benzo(b)fluoranthene | U | 3.96 | | ug/L | 0.792 | 3.96 |
| 207–08–9 | Benzo(k)fluoranthene | U | 3.96 | | ug/L | 0.792 | 3.96 |
| 50–32–8 | Benzo(a)pyrene | U | 3.96 | | ug/L | 0.792 | 3.96 |
| 193–39–5 | Indeno(1,2,3–cd)pyrene | U | 3.96 | | ug/L | 0.792 | 3.96 |

DATA VALIDATION COPY

## Semi-Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868001

Client ID: AC2472
Batch ID: 552943
Run Date: 08/08/2006 20:55
Prep Date: 07/31/2006 16:45

Date Collected: 07/25/2006 13:10
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8270C
Inst: MSD5.I
Analyst: JMB3
Aliquot: 1010 mL

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 53-70-3 | Dibenzo(a,h)anthracene | U | 3.96 U | ug/L | 0.792 | 3.96 |
| 191-24-2 | Benzo(ghi)perylene | U | 3.96 | ug/L | 0.792 | 3.96 |
| 86-74-8 | Carbazole | U | 39.6 | ug/L | 0.792 | 39.6 |
| 98-55-5 | alpha-Terpineol | U | 39.6 | ug/L | 11.9 | 39.6 |
| 120-82-1 | 1,2,4-Trichlorobenzene | U | 39.6 | ug/L | 7.92 | 39.6 |



DATA VALIDATION COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 167868 METHOD TYPE: SW846

SAMPLE ID: 167868001 CLIENT ID: AC2472

CONTRACT: SAIC007202

MATRIX: W DATE RECEIVED 26-JUL-06 LEVEL: Low %SOLIDS:

| CAS No | Analyte | Result | Units | C | Qual | M | IDL | DF | Instrument ID | Analytical Run |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2 | ug/L | U | | P | 2 | 1 | TRACE2 | 080706-1 |

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DATA VALIDATION COPY

SAIC. An Employee-Owned Company
Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830(423)481-4600

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM69

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|
| * AS0352 | 7/24/06 | 1420 | water | | 2 | | | 2 | | |
| AC1372 | 7/24/06 | 1000 | | | 2 | | | 2 | | |
| AC1374 | 7/24/06 | 1000 | | | 2 | | | 2 | | |
| AC0972 | 7/24/06 | 1210 | | | 2 | | | 2 | | |
| AS0252 | 7/24/06 | 1640 | | | 2 | | | 2 | | |
| AC0872 | 7/24/06 | 1450 | | | 2 | | | 2 | | |
| AS0152 | 7/24/06 | 1320 | | | 2 | | | 2 | | |
| AS0352 | 7/24/06 | 1420 | | | 2 | | | 2 | | |
| AC0472 | 7/24/06 | 1605 | | | 2 | | | 2 | | |
| AC0472 | 7/24/06 | 1655 | | | 2 | | | 2 | | |
| TH0420 | 7/23/06 | 0745 | | | 2 | | | 2 | | |
| AC1172 | 7/23/06 | 1230 | | | 2 | | | 2 | | |
| AC1072 | 7/23/06 | 1730 | | | 2 | | | 2 | | |

REQUESTED PARAMETERS

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patricia A. Stoll | 7/25/06 1155 | | |
| COMPANY NAME: SAIC | | COMPANY NAME: | |
| RECEIVED BY: Ben Wootton | Date/Time 7/25/06 1155 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Wootton | Date/Time 7/25/06 1520 | RECEIVED BY: K. Lipp | Date/Time 7.25.06 1520 |
| COMPANY NAME: GEL | | COMPANY NAME: GEL | |

TOTAL NUMBER OF CONTAINERS: 26

Cooler ID: 425

Cooler Temperature: 4°C

FEDEX NUMBER: N/A

* Sample came in as AS0354. CD

IV-209

SAIC An Employee-Owned Company
Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830 (423) 481-4600

1678681.

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM71

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|
| AC2472 | 7/25/06 | 1310 | Water | | 2 | 2 | 1 | 5 | | |
| AC2372 | | 1140 | | | 2 | 2 | 1 | 5 | | |
| AC0672 | | 1030 | | | 2 | 2 | 1 | 5 | | |
| AS0652 | | 1025 | | | 2 | | | 2 | | |
| AS2152 | | 1205 | | | 2 | | | 2 | | |
| AS0852 | | 1050 | | | 2 | | | 2 | | |
| AS0754 | | 1115 | | | 2 | | | 2 | | |
| AS0752 | | 1115 | | | 2 | | | 2 | | |
| AS0452 | | 1005 | | | 2 | | | 2 | | |
| AS0552 | | 0945 | | | 2 | | | 2 | | |
| AS1452 | | 1300 | | | 2 | | | 2 | | |
| TH0308 | ↓ | 0745 | ↓ | | 2 | | | 2 | | |

P Stoll 7/26/06

| | Date/Time | | Date/Time | | |
|---|---|---|---|---|---|
| RELINQUISHED BY: Patricia A. Stoll | 7/26/06 1150 | RECEIVED BY: | | TOTAL NUMBER OF CONTAINERS: 33 | Cooler Temperature: 4°C |
| COMPANY NAME: SAIC 1150 | | COMPANY NAME: | | Cooler ID: 213 | FEDEX NUMBER: N/A |
| RECEIVED BY: Ben Wootten | 7/26/06 1150 | RELINQUISHED BY: | | | |
| COMPANY NAME: GEL | | COMPANY NAME: | | | |
| RELINQUISHED BY: Ben Wootten | 7/26/06 1440 | RECEIVED BY: K. Wemp | 7/26/06 1440 | | |
| COMPANY NAME: GEL | | COMPANY NAME: GEL | | | |

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Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830 (423) 481-4600

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM72

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll 167957

Sampler (Signature): Patricia Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS. |
|---|---|---|---|---|---|---|---|---|---|---|
| AC0272 ✓ | 7/26/06 | 0900 | water | | 2 | 2 | 1 | 5 | , | |
| TH0309 | 7/26/06 | 0900 | water | | 2 | | | 2 | , | |

Patty Stoll 7/26/06

IV-211

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 7 | Cooler Temperature: 4 °C |
|---|---|---|---|---|---|
| Patty Stoll | 7/26/06 1630 | A Nulls | 7.27.06 1030 | Cooler ID: | FEDEX NUMBER: 8431.2138.1360 50 |
| COMPANY NAME: SAIC | | COMPANY NAME: Gel | | | |
| RECEIVED BY: 8431.2138.1360 50 | Date/Time | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: FEDEX | | COMPANY NAME: | | | |
| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: | | COMPANY NAME: | | | |

# DAACG CHLORINATED SOLVENTS AREA

# JULY 2006

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804020

Client ID: AS0152
Batch ID: 554322
Run Date: 08/03/2006 06:17

Date Collected: 07/24/2006 13:20
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.85 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 2.87 J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.43 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.867 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |

IV-215

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | **167804** | **Date Collected:** | **07/24/2006 13:20** | **Matrix:** | **WATER** |
| **Lab Sample ID:** | **167804020** | **Date Received:** | **07/25/2006 11:55** | | |
| | | **Client:** | **SAIC072** | **Project:** | **SAIC007202** |
| **Client ID:** | **AS0152** | **Method:** | **SW846 8260B** | **SOP Ref:** | **GL-OA-E-038** |
| **Batch ID:** | **554322** | **Inst:** | **VOA7.I** | **Dilution:** | **1** |
| **Run Date:** | **08/03/2006 06:17** | **Analyst:** | **YS1** | **Purge Vol:** | **5 mL** |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | B | 108 = | ug/L F01, F08 | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | | 3.03 = | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 11:40 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804018 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AS0252 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554322 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 08/03/2006 05:18 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

USD

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 2.68 | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | J | 2.18 | J | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | U | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 2.48 | = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.477 | J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167804 | Date Collected: | 07/24/2006 11:40 | Matrix: | WATER |
| Lab Sample ID: | 167804018 | Date Received: | 07/25/2006 11:55 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AS0252 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 554322 | Inst: | VOA7.I | Dilution: | 1 |
| Run Date: | 08/03/2006 05:18 | Analyst: | YS1 | Purge Vol: | 5 mL |

U52

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | B | 254 | = | ug/L F01, F08 | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

**Volatile**
**Certificate of Analysis**
**Sample Summary**

SDG Number: 167804
Lab Sample ID: 167804021

Client ID: AS0352
Batch ID: 554322
Run Date: 08/02/2006 18:15

Date Collected: 07/24/2006 14:20
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | D = 392 5.82 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | | 10.9 = | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 3.61 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 UJ | ug/L C05 | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 UJ | ug/L C05 | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | | 1.16 = | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 7.02 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 43.7 = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 14:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804021 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AS0352 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554322 | **Inst:** | VOA7.1 | **Dilution:** | 1 |
| **Run Date:** | 08/02/2006 18:15 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | U | ~~5.00~~ = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.819 J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167804
Lab Sample ID: 167804014

Client ID: AS0354
Batch ID: 554322
Run Date: 08/02/2006 18:45

Date Collected: 07/24/2006 14:20
Date Received: 07/25/2006 11:55
Client: SAIC072
Method: SW846 8260B
Inst: VOA7.I
Analyst: YS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

USP

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | D E 376 655 | | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 4.17 | = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | J | 3.74 | J | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | U | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | UJ | ug/L CO5 | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | UJ | ug/L CO5 | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 7.39 | = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | | 46.7 | = | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167804 | **Date Collected:** | 07/24/2006 14:20 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167804014 | **Date Received:** | 07/25/2006 11:55 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AS0354 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554322 | **Inst:** | VOA7.I | **Dilution:** | 1 |
| **Run Date:** | 08/02/2006 18:45 | **Analyst:** | YS1 | **Purge Vol:** | 5 mL |

USB

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 5340 | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | J | 0.898 | J | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 10:05 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868009 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AS0452 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554798 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 08/05/2006 00:47 | **Analyst:** | CDSI | **Purge Vol:** | 5 mL |

USP

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 38.6 | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 1.26 | = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.82 | = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.630 | J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868009
Client ID: AS0452
Batch ID: 554798
Run Date: 08/05/2006 00:47

Date Collected: 07/25/2006 10:05
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

USB

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | J | 835 ~~852~~ | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 09:45 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868010 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AS0552 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554798 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 08/05/2006 23:55 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 2.31 | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167868 | Date Collected: | 07/25/2006 09:45 | Matrix: | WATER |
| Lab Sample ID: | 167868010 | Date Received: | 07/26/2006 14:40 | | |
| | | Client: | SA1C072 | Project: | SA1C007202 |
| Client ID: | AS0552 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 554798 | Inst: | VOA2.I | Dilution: | 1 |
| Run Date: | 08/05/2006 23:55 | Analyst: | CDS1 | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 35.1 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868004

Client ID: AS0652
Batch ID: 554798
Run Date: 08/04/2006 22:25

Date Collected: 07/25/2006 10:25
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.I
Analyst: CDS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 10:25 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868004 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AS0652 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554798 | **Inst:** | VOA2.1 | **Dilution:** | 1 |
| **Run Date:** | 08/04/2006 22:25 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 91.5 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION
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# Volatile
## Certificate of Analysis
## Sample Summary

**SDG Number:** 167868
**Lab Sample ID:** 167868008

**Client ID:** AS0752
**Batch ID:** 554798
**Run Date:** 08/05/2006 00:18

**Date Collected:** 07/25/2006 11:15
**Date Received:** 07/26/2006 14:40
**Client:** SAIC072
**Method:** SW846 8260B
**Inst:** VOA2.I
**Analyst:** CDS1

**Matrix:** WATER
**Project:** SAIC007202
**SOP Ref:** GL-OA-E-038
**Dilution:** 1
**Purge Vol:** 5 mL

USD

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.51 | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 8.16 | = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.47 | = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.407 | J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.832 | J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868008

Client ID: AS0752
Batch ID: 554798
Run Date: 08/05/2006 00:18

Date Collected: 07/25/2006 11:15
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.I
Analyst: CDS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

USP

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 2080 | 1570 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 11:15 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868007 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AS0754 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554798 | **Inst:** | VOA2.I | **Dilution:** | 1 |
| **Run Date:** | 08/04/2006 23:50 | **Analyst:** | CDSI | **Purge Vol:** | 5 mL |

USQ

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.45 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 8.10 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.43 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.468 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.799 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |



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## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| **SDG Number:** | 167868 | **Date Collected:** | 07/25/2006 11:15 | **Matrix:** | WATER |
| **Lab Sample ID:** | 167868007 | **Date Received:** | 07/26/2006 14:40 | | |
| | | **Client:** | SAIC072 | **Project:** | SAIC007202 |
| **Client ID:** | AS0754 | **Method:** | SW846 8260B | **SOP Ref:** | GL-OA-E-038 |
| **Batch ID:** | 554798 | **Inst:** | VOA2.1 | **Dilution:** | 1 |
| **Run Date:** | 08/04/2006 23:50 | **Analyst:** | CDS1 | **Purge Vol:** | 5 mL |

USB

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D 2040 | 1540 = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167868 | Date Collected: | 07/25/2006 10:50 | Matrix: | WATER |
| Lab Sample ID: | 167868006 | Date Received: | 07/26/2006 14:40 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AS0852 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 554798 | Inst: | VOA2.I | Dilution: | 1 |
| Run Date: | 08/05/2006 20:35 | Analyst: | CDSI | Purge Vol: | 5 mL |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868006

Client ID: AS0852
Batch ID: 554798
Run Date: 08/05/2006 20:35

Date Collected: 07/25/2006 10:50
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.I
Analyst: CDS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | | 3.16 | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

# Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868011

Client ID: AS1452
Batch ID: 554798
Run Date: 08/05/2006 01:43

Date Collected: 07/25/2006 13:00
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.I
Analyst: CDS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 1.76 | = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 | | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | J | 0.443 | J | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.807 | J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.430 | J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

**Volatile**
**Certificate of Analysis**
**Sample Summary**

| | | | | | |
|---|---|---|---|---|---|
| SDG Number: | 167868 | Date Collected: | 07/25/2006 13:00 | Matrix: | WATER |
| Lab Sample ID: | 167868011 | Date Received: | 07/26/2006 14:40 | | |
| | | Client: | SAIC072 | Project: | SAIC007202 |
| Client ID: | AS1452 | Method: | SW846 8260B | SOP Ref: | GL-OA-E-038 |
| Batch ID: | 554798 | Inst: | VOA2.I | Dilution: | 1 |
| Run Date: | 08/05/2006 01:43 | Analyst: | CDS1 | Purge Vol: | 5 mL |

USP

| CAS No. | Parmname | Qualifier | Result | | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 703 ~~678~~ | = | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 | U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

## Volatile
## Certificate of Analysis
## Sample Summary

SDG Number: 167868
Lab Sample ID: 167868005

Client ID: AS2152
Batch ID: 554798
Run Date: 08/04/2006 22:53

Date Collected: 07/25/2006 12:05
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.I
Analyst: CDS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

USR

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | | 11.1 = | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 U | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-35-4 | 1,1-Dichloroethylene | | 3.30 = | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | U | 5.00 U | ug/L | 2.00 | 5.00 |
| 75-15-0 | Carbon disulfide | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | | 1.10 = | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | J | 0.367 J | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | J | 0.362 J | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 U | ug/L | 0.250 | 1.00 |

DATA VALIDATION COPY

**Volatile**
**Certificate of Analysis**
**Sample Summary**

SDG Number: 167868
Lab Sample ID: 167868005

Client ID: AS2152
Batch ID: 554798
Run Date: 08/04/2006 22:53

Date Collected: 07/25/2006 12:05
Date Received: 07/26/2006 14:40
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.I
Analyst: CDS1

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

USD

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 U | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-42-5 | Styrene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 540-59-0 | 1,2-Dichloroethylene (total) | D | 1100 | ug/L | 0.300 | 1.00 |
| 1330-20-7 | Xylenes (total) | U | 1.00 U | ug/L | 0.250 | 1.00 |



DATA VALIDATION COPY

SAIC An Employee-Owned Company
Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830(423)481-4600

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM69

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS. |
|---|---|---|---|---|---|---|---|---|---|---|
| * AS0352 | 7/24/06 | 1420 | water | | 2 | | | 2 | | |
| AC1372 | 7/24/06 | 1000 | | | 2 | | | 2 | | |
| AC1374 | 7/24/06 | 1000 | | | 2 | | | 2 | | |
| AC0972 | 7/24/06 | 1210 | | | 2 | | | 2 | | |
| AS0252 | 7/24/06 | 1640 | | | 2 | | | 2 | | |
| AC0872 | 7/24/06 | 1450 | | | 2 | | | 2 | | |
| AS0152 | 7/24/06 | 1320 | | | 2 | | | 2 | | |
| AS0352 | 7/24/06 | 1420 | | | 2 | | | 2 | | |
| AC0476 | 7/24/06 | 1605 | | | 2 | | | 2 | | |
| AC0472 | 7/24/06 | 1655 | | | 2 | | | 2 | | |
| TH0420 | 7/23/06 | 0745 | | | 2 | | | 2 | | |
| AC1172 | 7/23/06 | 1230 | | | 2 | | | 2 | | |
| AC1072 | 7/23/06 | 1730 | | | 2 | | | 2 | | |

REQUESTED PARAMETERS

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time |
|---|---|---|---|
| Patricia A. Stoll | 7/25/06 | | |
| COMPANY NAME: SAIC | 1155 | COMPANY NAME: | |
| RECEIVED BY: Ben Wootton | Date/Time 7/25/06 1155 | RELINQUISHED BY: | Date/Time |
| COMPANY NAME: GEL | | COMPANY NAME: | |
| RELINQUISHED BY: Ben Wootton | Date/Time 7/25/06 1520 | RECEIVED BY: K. Lufkin | Date/Time 7.25.06 1520 |
| COMPANY NAME: GEL | | COMPANY NAME: GEL | |

TOTAL NUMBER OF CONTAINERS: 26

Cooler Temperature: 4°C

Cooler ID: 425

FEDEX NUMBER: N/A

* Sample came in as AS0354.
CD

IV-239

SAIC An Employee-Owned Company
Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830(423)481-4600

1678681.

# CHAIN OF CUSTODY RECORD

COC NO.: HLTM71

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll

Sampler (Signature): Patricia A. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | BTEX | VOC | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS, |
|---|---|---|---|---|---|---|---|---|---|---|
| AC2472 | 7/25/06 | 1310 | Water | | 2 | 2 | 1 | 5 | | |
| AC2372 | | 1140 | | | 2 | 2 | 1 | 5 | | |
| AC0672 | | 1030 | | | 2 | 2 | 1 | 5 | | |
| AS0652 | | 1025 | | | 2 | | | 2 | | |
| AS2152 | | 1205 | | | 2 | | | 2 | | |
| AS0852 | | 1050 | | | 2 | | | 2 | | |
| AS0754 | | 1115 | | | 2 | | | 2 | | |
| AS0752 | | 1115 | | | 2 | | | 2 | | |
| AS0452 | | 1005 | | | 2 | | | 2 | | |
| AS0552 | | 0945 | | | 2 | | | 2 | | |
| AS1452 | | 1300 | | | 2 | | | 2 | | |
| TH0308 | ↓ | 0745 | ↓ | | 2 | | | 2 | | |

RELINQUISHED BY: Patricia A. Stoll — Date/Time: 7/26/06 1150 — COMPANY NAME: SAIC 1150

RECEIVED BY: — Date/Time: — COMPANY NAME:

TOTAL NUMBER OF CONTAINERS: 33

Cooler Temperature: 4°C

Cooler ID: 213

FEDEX NUMBER: N/A

RECEIVED BY: Ben Wattigie — Date/Time: 7/26/06 1150 — COMPANY NAME: GEL

RELINQUISHED BY: — Date/Time: — COMPANY NAME:

RELINQUISHED BY: Ben Watkins — Date/Time: 7/26/06 1440 — COMPANY NAME: GEL

RECEIVED BY: K. Wemp — Date/Time: 7/26/06 1440 — COMPANY NAME: GEL

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Science Applications International Corporation
PO Box 2501, 151 Lafayette Dr., Tennessee 37830 (423) 481-4600

# CHAIN OF CUSTODY RECORD

COC NO.: ALTM72

PROJECT NAME: HAAF Long Term Monitoring, D.O. 54

PROJECT NUMBER: 01-1055-04-2945-200

PROJECT MANAGER: Patty Stoll 167957

Sampler (Signature): Patricia A. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

| Sample ID | Date Collected | Time Collected | Matrix | REQUESTED PARAMETERS: BTEX | VOC | SVOC | Lead | No. of Bottles/ Vials: | OVA SCREENING | OBSERVATIONS, COMMENTS. |
|---|---|---|---|---|---|---|---|---|---|---|
| AC0272 ✓ | 7/26/06 | 0900 | water | | 2 | 2 | 1 | 5 | ' | |
| TH0309 | 7/26/06 | 0900 | water | | 2 | | | 2 | ' | |

Patty Stoll 7/26/06

IV-241

| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | TOTAL NUMBER OF CONTAINERS: 7 | Cooler Temperature: 4 °C |
|---|---|---|---|---|---|
| Patty Stoll | 7/26/06 | A Nules | 7.27.06 1030 | Cooler ID: | FEDEX NUMBER: 50 8431. 2138. 1360 |
| COMPANY NAME: SAIC | 1630 | COMPANY NAME: Gel | | | |
| RECEIVED BY: 8431. 2138. 1360 | Date/Time | RELINQUISHED BY: | Date/Time | | |
| COMPANY NAME: FEDEX | | COMPANY NAME: | | | |
| RELINQUISHED BY: | Date/Time | RECEIVED BY: | Date/Time | | |
| COMPANY NAME: | | COMPANY NAME: | | | |

ARCADIS

# Appendix B

February 2009 Groundwater
Laboratory Analytical Data

# SHEALY ENVIRONMENTAL SERVICES, INC.

## Report of Analysis

**ARCADIS U.S., Inc.**
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: **Hunter Stewart**

Project Number: **GP08HAFS**

Lot Number: **KB04016**

Date Completed: **02/16/2009**

Date Revised: **03/04/2009**

**Michael Casalena**
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* K B 0 4 0 1 6 *

## Case Narrative
## ARCADIS U.S., Inc.
### Lot Number: KB04016

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

GC Semivolatiles (Pesticides)

The result with a P qualifier have a relative percent difference (RPD) between the two dissimilar phase GC columns exceeds 40%. In accordance with Section 7.10.4 of SW-846 method 8000B, the higher of the two results is reported. Due to the disparity of the two results, it is likely that the reported result is biased high, or may be a false positive.

The recoveries for Endosulfan I & II in batch 94881 are slightly below acceptance limits; however, the recoveries in the LCSD and the RPD for the pair meet all QC criteria. The associated sample results were reported and no corrective action was required.

## Sample Summary
## ARCADIS U.S., Inc.
### Lot Number: KB04016

| Sample Number | Sample ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| 001 | COE-MW-03 (020309) | Aqueous | 02/03/2009 1410 | 02/04/2009 |
| 002 | COE-MW-02 (020309) | Aqueous | 02/03/2009 1534 | 02/04/2009 |
| 003 | HMW-14R (020309) | Aqueous | 02/03/2009 0950 | 02/04/2009 |
| 004 | COE-MW-01 (020309) | Aqueous | 02/03/2009 1100 | 02/04/2009 |
| 005 | Trip Blank1 (020309) | Aqueous | 02/03/2009 | 02/04/2009 |
| 006 | HMW-21 (020409) | Aqueous | 02/04/2009 1205 | 02/05/2009 |
| 007 | COE-MW-06 (020409) | Aqueous | 02/04/2009 1116 | 02/05/2009 |
| 008 | COE-MW-08 (020409) | Aqueous | 02/04/2009 0805 | 02/05/2009 |
| 009 | COE-MW-07 (020409) | Aqueous | 02/04/2009 0900 | 02/05/2009 |
| 010 | COE-MW-05 (020409) | Aqueous | 02/04/2009 1005 | 02/05/2009 |
| 011 | COE-MW-04 (020409) | Aqueous | 02/04/2009 0825 | 02/05/2009 |
| 012 | Trip Blank1 (020409) | Aqueous | 02/05/2009 0925 | 02/05/2009 |

(12 samples)

## Executive Summary
## ARCADIS U.S., Inc.
### Lot Number: KB04016

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 001 | COE-MW-03 (020309) | Aqueous | Benzene | 8260B | 18 | J | ug/L | 6 |
| 001 | COE-MW-03 (020309) | Aqueous | trans-1,2-Dichloroethene | 8260B | 240 | | ug/L | 6 |
| 001 | COE-MW-03 (020309) | Aqueous | cis-1,2-Dichloroethene | 8260B | 9000 | | ug/L | 6 |
| 001 | COE-MW-03 (020309) | Aqueous | Toluene | 8260B | 53 | | ug/L | 6 |
| 001 | COE-MW-03 (020309) | Aqueous | Vinyl chloride | 8260B | 1000 | | ug/L | 7 |
| 001 | COE-MW-03 (020309) | Aqueous | beta-BHC | 8081A | 0.46 | P | ug/L | 11 |
| 001 | COE-MW-03 (020309) | Aqueous | Barium | 6010B | 0.088 | | mg/L | 13 |
| 001 | COE-MW-03 (020309) | Aqueous | Chromium | 6010B | 0.0026 | J | mg/L | 13 |
| 001 | COE-MW-03 (020309) | Aqueous | Lead | 6010B | 0.0030 | J | mg/L | 13 |
| 002 | COE-MW-02 (020309) | Aqueous | Benzene | 8260B | 3.3 | | ug/L | 14 |
| 002 | COE-MW-02 (020309) | Aqueous | trans-1,2-Dichloroethene | 8260B | 9.9 | | ug/L | 14 |
| 002 | COE-MW-02 (020309) | Aqueous | 1,1-Dichloroethene | 8260B | 0.21 | J | ug/L | 14 |
| 002 | COE-MW-02 (020309) | Aqueous | cis-1,2-Dichloroethene | 8260B | 240 | | ug/L | 14 |
| 002 | COE-MW-02 (020309) | Aqueous | 2-Hexanone | 8260B | 6.6 | J | ug/L | 14 |
| 002 | COE-MW-02 (020309) | Aqueous | Vinyl chloride | 8260B | 3.1 | | ug/L | 15 |
| 002 | COE-MW-02 (020309) | Aqueous | Barium | 6010B | 0.053 | | mg/L | 21 |
| 003 | HMW-14R (020309) | Aqueous | Benzene | 8260B | 0.41 | J | ug/L | 22 |
| 003 | HMW-14R (020309) | Aqueous | trans-1,2-Dichloroethene | 8260B | 25 | | ug/L | 22 |
| 003 | HMW-14R (020309) | Aqueous | cis-1,2-Dichloroethene | 8260B | 600 | | ug/L | 22 |
| 003 | HMW-14R (020309) | Aqueous | 2-Hexanone | 8260B | 0.87 | J | ug/L | 22 |
| 003 | HMW-14R (020309) | Aqueous | Trichloroethene | 8260B | 1.3 | | ug/L | 23 |
| 003 | HMW-14R (020309) | Aqueous | Vinyl chloride | 8260B | 1.4 | | ug/L | 23 |
| 003 | HMW-14R (020309) | Aqueous | Xylenes (total) | 8260B | 0.62 | J | ug/L | 23 |
| 003 | HMW-14R (020309) | Aqueous | beta-BHC | 8081A | 0.52 | P | ug/L | 27 |
| 003 | HMW-14R (020309) | Aqueous | gamma-Chlordane | 8081A | 3.9 | P | ug/L | 27 |
| 003 | HMW-14R (020309) | Aqueous | Arsenic | 6010B | 0.0047 | J | mg/L | 29 |
| 003 | HMW-14R (020309) | Aqueous | Barium | 6010B | 0.029 | | mg/L | 29 |
| 003 | HMW-14R (020309) | Aqueous | Lead | 6010B | 0.0037 | J | mg/L | 29 |
| 003 | HMW-14R (020309) | Aqueous | Selenium | 6010B | 0.0036 | J | mg/L | 29 |
| 003 | HMW-14R (020309) | Aqueous | Silver | 6010B | 0.0017 | J | mg/L | 29 |
| 004 | COE-MW-01 (020309) | Aqueous | Benzene | 8260B | 2.0 | | ug/L | 30 |
| 004 | COE-MW-01 (020309) | Aqueous | trans-1,2-Dichloroethene | 8260B | 12 | | ug/L | 30 |
| 004 | COE-MW-01 (020309) | Aqueous | cis-1,2-Dichloroethene | 8260B | 160 | | ug/L | 30 |
| 004 | COE-MW-01 (020309) | Aqueous | Ethylbenzene | 8260B | 0.18 | J | ug/L | 30 |
| 004 | COE-MW-01 (020309) | Aqueous | 2-Hexanone | 8260B | 5.9 | J | ug/L | 30 |
| 004 | COE-MW-01 (020309) | Aqueous | Toluene | 8260B | 1.1 | | ug/L | 30 |
| 004 | COE-MW-01 (020309) | Aqueous | Vinyl chloride | 8260B | 2.8 | | ug/L | 31 |
| 004 | COE-MW-01 (020309) | Aqueous | Xylenes (total) | 8260B | 3.0 | | ug/L | 31 |
| 004 | COE-MW-01 (020309) | Aqueous | Aldrin | 8081A | 0.0044 | JP | ug/L | 35 |
| 004 | COE-MW-01 (020309) | Aqueous | gamma-BHC (Lindane) | 8081A | 0.019 | JP | ug/L | 35 |
| 004 | COE-MW-01 (020309) | Aqueous | Barium | 6010B | 0.12 | | mg/L | 37 |
| 004 | COE-MW-01 (020309) | Aqueous | Selenium | 6010B | 0.0045 | J | mg/L | 37 |
| 006 | HMW-21 (020409) | Aqueous | trans-1,2-Dichloroethene | 8260B | 0.70 | | ug/L | 40 |
| 006 | HMW-21 (020409) | Aqueous | cis-1,2-Dichloroethene | 8260B | 15 | | ug/L | 40 |
| 006 | HMW-21 (020409) | Aqueous | Vinyl chloride | 8260B | 0.13 | J | ug/L | 41 |

# Executive Summary (Continued)

## Lot Number: KB04016

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 006 | HMW-21 (020409) | Aqueous | Barium | 6010B | 0.10 | | mg/L | 47 |
| 006 | HMW-21 (020409) | Aqueous | Lead | 6010B | 0.0019 | J | mg/L | 47 |
| 006 | HMW-21 (020409) | Aqueous | Selenium | 6010B | 0.0048 | J | mg/L | 47 |
| 007 | COE-MW-06 (020409) | Aqueous | Benzene | 8260B | 0.32 | J | ug/L | 48 |
| 007 | COE-MW-06 (020409) | Aqueous | trans-1,2-Dichloroethene | 8260B | 0.20 | J | ug/L | 48 |
| 007 | COE-MW-06 (020409) | Aqueous | 1,1-Dichloroethene | 8260B | 0.87 | | ug/L | 48 |
| 007 | COE-MW-06 (020409) | Aqueous | cis-1,2-Dichloroethene | 8260B | 290 | | ug/L | 48 |
| 007 | COE-MW-06 (020409) | Aqueous | Vinyl chloride | 8260B | 1.4 | | ug/L | 49 |
| 007 | COE-MW-06 (020409) | Aqueous | Xylenes (total) | 8260B | 0.19 | J | ug/L | 49 |
| 007 | COE-MW-06 (020409) | Aqueous | Barium | 6010B | 0.038 | | mg/L | 55 |
| 008 | COE-MW-08 (020409) | Aqueous | cis-1,2-Dichloroethene | 8260B | 14 | | ug/L | 56 |
| 008 | COE-MW-08 (020409) | Aqueous | Barium | 6010B | 0.14 | | mg/L | 63 |
| 008 | COE-MW-08 (020409) | Aqueous | Lead | 6010B | 0.0042 | J | mg/L | 63 |
| 008 | COE-MW-08 (020409) | Aqueous | Silver | 6010B | 0.0032 | J | mg/L | 63 |
| 009 | COE-MW-07 (020409) | Aqueous | trans-1,2-Dichloroethene | 8260B | 6.1 | J | ug/L | 64 |
| 009 | COE-MW-07 (020409) | Aqueous | 1,1-Dichloroethene | 8260B | 5.4 | J | ug/L | 64 |
| 009 | COE-MW-07 (020409) | Aqueous | cis-1,2-Dichloroethene | 8260B | 1600 | | ug/L | 64 |
| 009 | COE-MW-07 (020409) | Aqueous | Arsenic | 6010B | 0.0057 | J | mg/L | 71 |
| 009 | COE-MW-07 (020409) | Aqueous | Barium | 6010B | 0.042 | | mg/L | 71 |
| 009 | COE-MW-07 (020409) | Aqueous | Lead | 6010B | 0.0037 | J | mg/L | 71 |
| 009 | COE-MW-07 (020409) | Aqueous | Silver | 6010B | 0.00067 | J | mg/L | 71 |
| 010 | COE-MW-05 (020409) | Aqueous | Benzene | 8260B | 0.16 | J | ug/L | 72 |
| 010 | COE-MW-05 (020409) | Aqueous | trans-1,2-Dichloroethene | 8260B | 0.19 | J | ug/L | 72 |
| 010 | COE-MW-05 (020409) | Aqueous | cis-1,2-Dichloroethene | 8260B | 47 | | ug/L | 72 |
| 010 | COE-MW-05 (020409) | Aqueous | Vinyl chloride | 8260B | 3.5 | | ug/L | 73 |
| 010 | COE-MW-05 (020409) | Aqueous | beta-BHC | 8081A | 0.36 | P | ug/L | 77 |
| 010 | COE-MW-05 (020409) | Aqueous | Barium | 6010B | 0.035 | | mg/L | 79 |
| 011 | COE-MW-04 (020409) | Aqueous | Benzene | 8260B | 2.9 | J | ug/L | 80 |
| 011 | COE-MW-04 (020409) | Aqueous | Chloroform | 8260B | 1.7 | J | ug/L | 80 |
| 011 | COE-MW-04 (020409) | Aqueous | trans-1,2-Dichloroethene | 8260B | 7.6 | | ug/L | 80 |
| 011 | COE-MW-04 (020409) | Aqueous | 1,1-Dichloroethene | 8260B | 2.2 | J | ug/L | 80 |
| 011 | COE-MW-04 (020409) | Aqueous | cis-1,2-Dichloroethene | 8260B | 1600 | | ug/L | 80 |
| 011 | COE-MW-04 (020409) | Aqueous | Vinyl chloride | 8260B | 73 | | ug/L | 81 |
| 011 | COE-MW-04 (020409) | Aqueous | beta-BHC | 8081A | 0.82 | P | ug/L | 85 |
| 011 | COE-MW-04 (020409) | Aqueous | Barium | 6010B | 0.026 | | mg/L | 87 |
| 011 | COE-MW-04 (020409) | Aqueous | Chromium | 6010B | 0.0087 | | mg/L | 87 |
| 012 | Trip Blank1 (020409) | Aqueous | Chloroform | 8260B | 0.17 | J | ug/L | 88 |

(82 detections)

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-001**

Description: **COE-MW-03 (020309)** Matrix: **Aqueous**

Date Sampled: **02/03/2009 1410**

Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 50 | 02/11/2009 1630 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 500 | 160 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **18** | **J** | **25** | **1.4** | **ug/L** | **1** |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 25 | 0.51 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 25 | 10 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 500 | 100 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 25 | 4.8 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 25 | 4.2 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 25 | 8.7 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 25 | 15 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 25 | 3.5 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 25 | 3.1 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 25 | 3.5 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 25 | 2.7 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 25 | 1.2 | ug/L | 1 |
| **trans-1,2-Dichloroethene** | **156-60-5** | **8260B** | **240** | | **25** | **4.0** | **ug/L** | **1** |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 25 | 4.7 | ug/L | 1 |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **9000** | | **25** | **4.4** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 25 | 4.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 25 | 9.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 25 | 4.5 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 500 | 14 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 25 | 1.4 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 50 | 15 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 25 | 0.94 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 500 | 16 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 250 | 48 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 25 | 0.74 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 25 | 0.65 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 25 | 0.71 | ug/L | 1 |
| **Toluene** | **108-88-3** | **8260B** | **53** | | **25** | **8.5** | **ug/L** | **1** |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 25 | 15 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 25 | 1.4 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 25 | 1.6 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-001**
Description: **COE-MW-03 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1410**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 50 | 02/11/2009 1630 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 25 | 1.2 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 25 | 2.5 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **1000** | | **25** | **3.2** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 25 | 8.5 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 96 | 52-138 |
| Bromofluorobenzene | | 95 | 70-147 |
| Toluene-d8 | | 94 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-001**
Description: **COE-MW-03 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1410**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1928 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.0 | 0.91 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.0 | 4.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 25 | 3.0 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.0 | 0.61 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.0 | 0.50 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.0 | 0.61 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.0 | 0.81 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 10 | 3.3 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 25 | 1.2 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.0 | 0.82 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.0 | 0.71 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 25 | 2.6 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.0 | 1.9 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 25 | 8.2 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 25 | 4.8 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 10 | 3.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 10 | 3.4 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 25 | 4.0 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-001**
Description: **COE-MW-03 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1410**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1928 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.0 | 2.3 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 10 | 2.7 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 10 | 2.1 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 10 | 3.0 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 10 | 4.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 10 | 2.9 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 25 | 9.1 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 25 | 5.2 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.0 | 3.1 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 84 | 41-144 |
| 2-Fluorobiphenyl | | 65 | 37-129 |
| 2-Fluorophenol | | 52 | 24-127 |
| Nitrobenzene-d5 | | 61 | 38-127 |
| Phenol-d5 | | 55 | 28-128 |
| Terphenyl-d14 | | 39 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-001**
Description: **COE-MW-03 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1410**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1416 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 94 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-001**
Description: **COE-MW-03 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1410**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0409 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.025 | 0.0020 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| **beta-BHC** | **319-85-7** | **8081A** | **0.46** | **P** | **0.025** | **0.019** | **ug/L** | **1** |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.025 | 0.0080 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.025 | 0.024 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.025 | 0.020 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.25 | 0.030 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 25 | 10-156 |
| Tetrachloro-m-xylene | | 75 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-001**
Description: **COE-MW-03 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1410**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1847 | KJC | 02/10/2009 2214 | 94916 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-001**
Description: **COE-MW-03 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1410**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1840 | CDF | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.088** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| **Chromium** | **7440-47-3** | **6010B** | **0.0026** | **J** | **0.0050** | **0.0021** | **mg/L** | **1** |
| **Lead** | **7439-92-1** | **6010B** | **0.0030** | **J** | **0.010** | **0.0019** | **mg/L** | **1** |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-002**
Description: **COE-MW-02 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1534**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1709 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **3.3** | | **0.50** | **0.027** | **ug/L** | **1** |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| **trans-1,2-Dichloroethene** | **156-60-5** | **8260B** | **9.9** | | **0.50** | **0.079** | **ug/L** | **1** |
| **1,1-Dichloroethene** | **75-35-4** | **8260B** | **0.21** | **J** | **0.50** | **0.094** | **ug/L** | **1** |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **240** | | **0.50** | **0.087** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| **2-Hexanone** | **591-78-6** | **8260B** | **6.6** | **J** | **10** | **0.27** | **ug/L** | **1** |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-002**
Description: **COE-MW-02 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1534**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1709 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **3.1** | | **0.50** | **0.065** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 82 | 52-138 |
| Bromofluorobenzene | | 82 | 70-147 |
| Toluene-d8 | | 82 | 76-125 |

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# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-002**
Description: **COE-MW-02 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1534**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1946 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.0 | 0.90 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.0 | 4.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 25 | 3.0 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.0 | 0.50 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.0 | 0.80 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 10 | 3.3 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 25 | 1.2 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.0 | 0.81 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.0 | 0.70 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 25 | 2.6 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.0 | 1.9 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 25 | 8.1 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 25 | 4.8 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 10 | 3.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 10 | 3.4 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 25 | 4.0 | ug/L | 1 |

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-002**
Description: **COE-MW-02 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1534**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1946 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.0 | 2.3 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 10 | 2.7 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 10 | 2.1 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 10 | 3.0 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 10 | 4.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 10 | 2.9 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 25 | 9.0 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 25 | 5.1 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.0 | 3.1 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 84 | 41-144 |
| 2-Fluorobiphenyl | | 83 | 37-129 |
| 2-Fluorophenol | | 73 | 24-127 |
| Nitrobenzene-d5 | | 89 | 38-127 |
| Phenol-d5 | | 76 | 28-128 |
| Terphenyl-d14 | | 53 | 10-148 |

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E = Quantitation of compound exceeded the calibration range
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# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-002**
Description: **COE-MW-02 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1534**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1439 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 95 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-002**
Description: **COE-MW-02 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1534**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0426 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.025 | 0.0020 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.025 | 0.019 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.025 | 0.0080 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.025 | 0.024 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.025 | 0.020 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.25 | 0.030 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 39 | 10-156 |
| Tetrachloro-m-xylene | | 83 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-002**
Description: **COE-MW-02 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1534**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1852 | KJC | 02/10/2009 2214 | 94916 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-002**
Description: **COE-MW-02 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1534**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1847 | CDF | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.053** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-003**

Description: **HMW-14R (020309)** Matrix: **Aqueous**

Date Sampled: **02/03/2009 0950**

Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 2 | 02/11/2009 1653 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 6.6 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **0.41** | **J** | **1.0** | **0.054** | **ug/L** | **1** |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.020 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 1.0 | 0.40 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 20 | 4.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 1.0 | 0.60 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.14 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.12 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 1.0 | 0.14 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.11 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.047 | ug/L | 1 |
| **trans-1,2-Dichloroethene** | **156-60-5** | **8260B** | **25** | | **1.0** | **0.16** | **ug/L** | **1** |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **600** | | **1.0** | **0.17** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.36 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.18 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| **2-Hexanone** | **591-78-6** | **8260B** | **0.87** | **J** | **20** | **0.55** | **ug/L** | **1** |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 1.0 | 0.058 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 2.0 | 0.60 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 1.0 | 0.038 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 10 | 1.9 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.030 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.026 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.029 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 1.0 | 0.60 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 1.0 | 0.34 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.058 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.062 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-003**
Description: **HMW-14R (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 0950**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 2 | 02/11/2009 1653 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Trichloroethene** | **79-01-6** | **8260B** | **1.3** | | **1.0** | **0.049** | **ug/L** | **1** |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.10 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **1.4** | | **1.0** | **0.13** | **ug/L** | **1** |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **0.62** | **J** | **1.0** | **0.34** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 97 | 52-138 |
| Bromofluorobenzene | | 93 | 70-147 |
| Toluene-d8 | | 95 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-003**
Description: **HMW-14R (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 0950**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2005 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.0 | 0.91 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.0 | 4.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 25 | 3.0 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.0 | 0.61 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.0 | 0.50 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.0 | 0.61 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.0 | 0.81 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 10 | 3.3 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 25 | 1.2 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.0 | 0.82 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.0 | 0.71 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 25 | 2.6 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.0 | 1.9 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 25 | 8.2 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 25 | 4.8 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 10 | 3.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 10 | 3.4 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 25 | 4.0 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-003**
Description: **HMW-14R (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 0950**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2005 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.0 | 2.3 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 10 | 2.7 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 10 | 2.1 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 10 | 3.0 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 10 | 4.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 10 | 2.9 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 25 | 9.1 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 25 | 5.2 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.0 | 3.1 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 85 | 41-144 |
| 2-Fluorobiphenyl | | 76 | 37-129 |
| 2-Fluorophenol | | 67 | 24-127 |
| Nitrobenzene-d5 | | 74 | 38-127 |
| Phenol-d5 | | 69 | 28-128 |
| Terphenyl-d14 | | 50 | 10-148 |

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B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-003**
Description: **HMW-14R (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 0950**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1502 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 96 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-003**
Description: **HMW-14R (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 0950**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0444 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.025 | 0.0020 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| **beta-BHC** | **319-85-7** | **8081A** | **0.52** | **P** | **0.025** | **0.019** | **ug/L** | **1** |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.025 | 0.0080 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| **gamma-Chlordane** | **5103-74-2** | **8081A** | **3.9** | **P** | **0.025** | **0.0030** | **ug/L** | **1** |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.025 | 0.024 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.025 | 0.020 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.25 | 0.030 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 46 | 10-156 |
| Tetrachloro-m-xylene | | 83 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-003**
Description: **HMW-14R (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 0950**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1853 | KJC | 02/10/2009 2214 | 94916 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-003**
Description: **HMW-14R (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 0950**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1853 | CDF | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Arsenic** | **7440-38-2** | **6010B** | **0.0047** | **J** | **0.010** | **0.0040** | **mg/L** | **1** |
| **Barium** | **7440-39-3** | **6010B** | **0.029** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| **Lead** | **7439-92-1** | **6010B** | **0.0037** | **J** | **0.010** | **0.0019** | **mg/L** | **1** |
| **Selenium** | **7782-49-2** | **6010B** | **0.0036** | **J** | **0.010** | **0.0026** | **mg/L** | **1** |
| **Silver** | **7440-22-4** | **6010B** | **0.0017** | **J** | **0.0050** | **0.00040** | **mg/L** | **1** |

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B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-004**
Description: **COE-MW-01 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1100**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1732 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **2.0** | | **0.50** | **0.027** | **ug/L** | **1** |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| **trans-1,2-Dichloroethene** | **156-60-5** | **8260B** | **12** | | **0.50** | **0.079** | **ug/L** | **1** |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **160** | | **0.50** | **0.087** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| **Ethylbenzene** | **100-41-4** | **8260B** | **0.18** | **J** | **0.50** | **0.17** | **ug/L** | **1** |
| **2-Hexanone** | **591-78-6** | **8260B** | **5.9** | **J** | **10** | **0.27** | **ug/L** | **1** |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| **Toluene** | **108-88-3** | **8260B** | **1.1** | | **0.50** | **0.17** | **ug/L** | **1** |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-004**
Description: **COE-MW-01 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1100**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1732 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **2.8** | | **0.50** | **0.065** | **ug/L** | **1** |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **3.0** | | **0.50** | **0.17** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 92 | 52-138 |
| Bromofluorobenzene | | 96 | 70-147 |
| Toluene-d8 | | 96 | 76-125 |

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# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-004**
Description: **COE-MW-01 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1100**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2024 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.0 | 0.90 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.0 | 4.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 25 | 3.0 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.0 | 0.50 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.0 | 0.80 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 10 | 3.3 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 25 | 1.2 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.0 | 0.81 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.0 | 0.70 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 25 | 2.6 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.0 | 1.9 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 25 | 8.1 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 25 | 4.8 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 10 | 3.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 10 | 3.4 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 25 | 4.0 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-004**
Description: **COE-MW-01 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1100**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2024 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.0 | 2.3 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 10 | 2.7 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 10 | 2.1 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 10 | 3.0 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 10 | 4.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 10 | 2.9 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 25 | 9.0 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 25 | 5.1 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.0 | 3.1 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 90 | 41-144 |
| 2-Fluorobiphenyl | | 85 | 37-129 |
| 2-Fluorophenol | | 76 | 24-127 |
| Nitrobenzene-d5 | | 89 | 38-127 |
| Phenol-d5 | | 77 | 28-128 |
| Terphenyl-d14 | | 68 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-004**
Description: **COE-MW-01 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1100**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1525 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 95 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-004**
Description: **COE-MW-01 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1100**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0502 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Aldrin** | **309-00-2** | **8081A** | **0.0044** | **JP** | **0.025** | **0.0020** | **ug/L** | **1** |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.025 | 0.019 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.025 | 0.0080 | ug/L | 1 |
| **gamma-BHC (Lindane)** | **58-89-9** | **8081A** | **0.019** | **JP** | **0.025** | **0.0050** | **ug/L** | **1** |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.025 | 0.024 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.025 | 0.020 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.25 | 0.030 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 54 | 10-156 |
| Tetrachloro-m-xylene | | 79 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-004**
Description: **COE-MW-01 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1100**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1854 | KJC | 02/10/2009 2214 | 94916 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-004**
Description: **COE-MW-01 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009 1100**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1900 | CDF | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.12** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.010 | 0.0019 | mg/L | 1 |
| **Selenium** | **7782-49-2** | **6010B** | **0.0045** | **J** | **0.010** | **0.0026** | **mg/L** | **1** |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-005**
Description: **Trip Blank1 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1510 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-005**
Description: **Trip Blank1 (020309)**
Matrix: **Aqueous**
Date Sampled: **02/03/2009**
Date Received: **02/04/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1510 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 88 | 52-138 |
| Bromofluorobenzene | | 96 | 70-147 |
| Toluene-d8 | | 96 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-006**
Description: **HMW-21 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1205**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1534 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| **trans-1,2-Dichloroethene** | **156-60-5** | **8260B** | **0.70** | | **0.50** | **0.079** | **ug/L** | **1** |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **15** | | **0.50** | **0.087** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-006**
Description: **HMW-21 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1205**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1534 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **0.13** | **J** | **0.50** | **0.065** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 89 | 52-138 |
| Bromofluorobenzene | | 96 | 70-147 |
| Toluene-d8 | | 96 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-006**
Description: **HMW-21 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1205**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2042 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.0 | 0.90 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.0 | 4.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 25 | 3.0 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.0 | 0.50 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.0 | 0.80 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 10 | 3.3 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 25 | 1.2 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.0 | 0.81 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.0 | 0.70 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 25 | 2.6 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.0 | 1.9 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 25 | 8.1 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 25 | 4.8 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 10 | 3.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 10 | 3.4 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 25 | 4.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-006**
Description: **HMW-21 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1205**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2042 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.0 | 2.3 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 10 | 2.7 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 10 | 2.1 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 10 | 3.0 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 10 | 4.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 10 | 2.9 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 25 | 9.0 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 25 | 5.1 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.0 | 3.1 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 81 | 41-144 |
| 2-Fluorobiphenyl | | 82 | 37-129 |
| 2-Fluorophenol | | 74 | 24-127 |
| Nitrobenzene-d5 | | 84 | 38-127 |
| Phenol-d5 | | 77 | 28-128 |
| Terphenyl-d14 | | 20 | 10-148 |

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E = Quantitation of compound exceeded the calibration range
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# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-006**
Description: **HMW-21 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1205**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1548 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 94 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-006**
Description: **HMW-21 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1205**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/12/2009 0021 | ASB | 02/10/2009 2113 | 94881 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.025 | 0.0020 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.025 | 0.019 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.025 | 0.0080 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.025 | 0.024 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.025 | 0.020 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.25 | 0.030 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 13 | 10-156 |
| Tetrachloro-m-xylene | | 76 | 40-130 |

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# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-006**
Description: **HMW-21 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1205**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1855 | KJC | 02/10/2009 2214 | 94916 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-006**
Description: **HMW-21 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1205**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1907 | CDF | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.10** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| **Lead** | **7439-92-1** | **6010B** | **0.0019** | **J** | **0.010** | **0.0019** | **mg/L** | **1** |
| **Selenium** | **7782-49-2** | **6010B** | **0.0048** | **J** | **0.010** | **0.0026** | **mg/L** | **1** |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

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E = Quantitation of compound exceeded the calibration range
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# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-007**
Description: **COE-MW-06 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1116**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/11/2009 1935 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **0.32** | **J** | **0.50** | **0.027** | **ug/L** | **1** |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| **trans-1,2-Dichloroethene** | **156-60-5** | **8260B** | **0.20** | **J** | **0.50** | **0.079** | **ug/L** | **1** |
| **1,1-Dichloroethene** | **75-35-4** | **8260B** | **0.87** | | **0.50** | **0.094** | **ug/L** | **1** |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **290** | | **0.50** | **0.087** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-007**
Description: **COE-MW-06 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1116**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/11/2009 1935 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **1.4** | | **0.50** | **0.065** | **ug/L** | **1** |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **0.19** | **J** | **0.50** | **0.17** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 100 | 52-138 |
| Bromofluorobenzene | | 97 | 70-147 |
| Toluene-d8 | | 99 | 76-125 |

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-007**

Description: **COE-MW-06 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 1116**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2101 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.0 | 0.90 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.0 | 4.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 25 | 3.0 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.0 | 0.50 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.0 | 0.80 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 10 | 3.3 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 25 | 1.2 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.0 | 0.81 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.0 | 0.70 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 25 | 2.6 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.0 | 1.9 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 25 | 8.1 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 25 | 4.8 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 10 | 3.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 10 | 3.4 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 25 | 4.0 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-007**
Description: **COE-MW-06 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1116**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2101 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.0 | 2.3 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 10 | 2.7 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 10 | 2.1 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 10 | 3.0 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 10 | 4.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 10 | 2.9 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 25 | 9.0 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 25 | 5.1 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.0 | 3.1 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 84 | 41-144 |
| 2-Fluorobiphenyl | | 87 | 37-129 |
| 2-Fluorophenol | | 76 | 24-127 |
| Nitrobenzene-d5 | | 84 | 38-127 |
| Phenol-d5 | | 78 | 28-128 |
| Terphenyl-d14 | | 65 | 10-148 |

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# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-007**
Description: **COE-MW-06 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1116**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1611 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 92 | 62-117 |

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ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
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# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-007**
Description: **COE-MW-06 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1116**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/12/2009 0039 | ASB | 02/10/2009 2113 | 94881 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.025 | 0.0020 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.025 | 0.019 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.025 | 0.0080 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.025 | 0.024 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.025 | 0.020 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.25 | 0.030 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 32 | 10-156 |
| Tetrachloro-m-xylene | | 85 | 40-130 |

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# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-007**
Description: **COE-MW-06 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1116**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1856 | KJC | 02/10/2009 2214 | 94916 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

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# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-007**
Description: **COE-MW-06 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1116**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1913 | CDF | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.038** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

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# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-008**

Description: **COE-MW-08 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 0805**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1557 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **14** | | **0.50** | **0.087** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit

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P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

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# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-008**
Description: **COE-MW-08 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0805**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1557 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 97 | 52-138 |
| Bromofluorobenzene | | 98 | 70-147 |
| Toluene-d8 | | 98 | 76-125 |

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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-008**

Description: **COE-MW-08 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 0805**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2120 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.6 | 1.0 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.6 | 1.2 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.6 | 4.7 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 28 | 3.3 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.6 | 0.67 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.6 | 0.56 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.6 | 0.67 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.6 | 0.90 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.6 | 1.1 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.6 | 1.4 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 11 | 3.7 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 28 | 1.4 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.6 | 1.8 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.6 | 0.91 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.6 | 1.7 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.6 | 1.5 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.6 | 1.5 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.6 | 1.8 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.6 | 0.79 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.6 | 1.5 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 28 | 2.9 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.6 | 2.1 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 28 | 9.1 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 28 | 5.4 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 11 | 4.3 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 11 | 3.8 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 28 | 4.5 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-008**
Description: **COE-MW-08 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0805**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2120 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.6 | 2.6 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.6 | 1.7 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.6 | 1.2 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 11 | 3.0 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.6 | 1.1 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.6 | 1.5 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 11 | 2.4 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 11 | 3.4 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 11 | 4.7 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.6 | 1.8 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 11 | 3.2 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 28 | 10 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 28 | 5.7 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.6 | 3.5 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.6 | 1.5 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 86 | 41-144 |
| 2-Fluorobiphenyl | | 87 | 37-129 |
| 2-Fluorophenol | | 76 | 24-127 |
| Nitrobenzene-d5 | | 84 | 38-127 |
| Phenol-d5 | | 80 | 28-128 |
| Terphenyl-d14 | | 75 | 10-148 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-008**
Description: **COE-MW-08 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0805**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1634 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.2 | 0.43 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.54 | 0.11 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.54 | 0.11 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 98 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-008**
Description: **COE-MW-08 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0805**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/12/2009 0057 | ASB | 02/10/2009 2113 | 94881 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.027 | 0.0022 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.027 | 0.0032 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.027 | 0.020 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.027 | 0.0086 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.027 | 0.0054 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.027 | 0.0032 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.027 | 0.0032 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.027 | 0.0064 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.027 | 0.0064 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.027 | 0.0032 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.027 | 0.0043 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.027 | 0.0064 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.027 | 0.026 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.027 | 0.0032 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.027 | 0.0054 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.027 | 0.0032 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.027 | 0.0043 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.027 | 0.022 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.027 | 0.0032 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.11 | 0.015 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.27 | 0.032 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 18 | 10-156 |
| Tetrachloro-m-xylene | | 80 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-008**
Description: **COE-MW-08 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0805**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1900 | KJC | 02/10/2009 2214 | 94916 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-008**
Description: **COE-MW-08 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0805**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1920 | CDF | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.14** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| **Lead** | **7439-92-1** | **6010B** | **0.0042** | **J** | **0.010** | **0.0019** | **mg/L** | **1** |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| **Silver** | **7440-22-4** | **6010B** | **0.0032** | **J** | **0.0050** | **0.00040** | **mg/L** | **1** |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-009**

Description: **COE-MW-07 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 0900**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 20 | 02/11/2009 1716 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 200 | 66 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 10 | 0.54 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 10 | 0.20 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 10 | 4.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 200 | 40 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 10 | 1.9 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 10 | 1.7 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 10 | 3.5 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 10 | 6.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 10 | 1.4 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 10 | 1.2 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 10 | 1.4 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 10 | 1.1 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 10 | 0.47 | ug/L | 1 |
| **trans-1,2-Dichloroethene** | **156-60-5** | **8260B** | **6.1** | **J** | **10** | **1.6** | **ug/L** | **1** |
| **1,1-Dichloroethene** | **75-35-4** | **8260B** | **5.4** | **J** | **10** | **1.9** | **ug/L** | **1** |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **1600** | | **10** | **1.7** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 10 | 1.6 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 10 | 3.6 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 200 | 5.5 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 10 | 0.58 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 20 | 6.0 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 10 | 0.38 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 200 | 6.2 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 100 | 19 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 10 | 0.30 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 10 | 6.0 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 10 | 0.58 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 10 | 0.62 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-009**
Description: **COE-MW-07 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0900**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 20 | 02/11/2009 1716 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 10 | 0.49 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 10 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 10 | 1.3 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 10 | 3.4 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 95 | 52-138 |
| Bromofluorobenzene | | 94 | 70-147 |
| Toluene-d8 | | 94 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-009**

Description: **COE-MW-07 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 0900**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2138 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.6 | 1.0 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.6 | 1.2 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.6 | 4.6 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 28 | 3.3 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.6 | 0.67 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.6 | 0.56 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.6 | 0.67 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.6 | 0.89 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.6 | 1.1 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.6 | 1.4 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 11 | 3.7 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 28 | 1.3 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.6 | 1.8 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.6 | 0.90 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.6 | 1.7 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.6 | 1.4 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.6 | 1.4 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.6 | 1.8 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.6 | 0.78 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.6 | 1.4 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 28 | 2.9 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.6 | 2.1 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 28 | 9.0 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 28 | 5.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 11 | 4.2 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 11 | 3.8 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.6 | 1.9 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 28 | 4.4 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-009**

Description: **COE-MW-07 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 0900**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2138 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.6 | 2.6 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.6 | 1.7 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.6 | 1.2 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 11 | 3.0 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.6 | 1.6 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.6 | 1.1 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.6 | 1.4 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 11 | 2.3 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 11 | 3.3 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 11 | 4.7 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.6 | 1.8 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 11 | 3.2 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 28 | 10 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 28 | 5.7 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.6 | 3.4 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.6 | 1.3 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.6 | 1.4 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 87 | 41-144 |
| 2-Fluorobiphenyl | | 89 | 37-129 |
| 2-Fluorophenol | | 79 | 24-127 |
| Nitrobenzene-d5 | | 87 | 38-127 |
| Phenol-d5 | | 79 | 28-128 |
| Terphenyl-d14 | | 77 | 10-148 |

PQL = Practical quantitation limit

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B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-009**
Description: **COE-MW-07 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0900**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1658 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.2 | 0.44 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.56 | 0.11 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.56 | 0.11 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 99 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-009**
Description: **COE-MW-07 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0900**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/12/2009 0114 | ASB | 02/10/2009 2113 | 94881 |
| 2 | 3520C | 8081A | 1 | 02/12/2009 1713 | ASB | 02/10/2009 2113 | 94881 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.026 | 0.0021 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.026 | 0.0032 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.026 | 0.020 | ug/L | 2 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.026 | 0.0085 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.026 | 0.0053 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.026 | 0.0032 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.026 | 0.0032 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.026 | 0.0064 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.026 | 0.0064 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.026 | 0.0032 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.026 | 0.0042 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.026 | 0.0064 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.026 | 0.026 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.026 | 0.0032 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.026 | 0.0053 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.026 | 0.0032 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.026 | 0.0042 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.026 | 0.021 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.026 | 0.0032 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.11 | 0.015 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.26 | 0.032 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Run 1 Acceptance Limits | Q | Run 2 % Recovery | Run 2 Acceptance Limits |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | | 26 | 10-156 | | 28 | 10-156 |
| Tetrachloro-m-xylene | | 86 | 40-130 | | 89 | 40-130 |

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ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-009**
Description: **COE-MW-07 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0900**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/14/2009 1217 | BNW | 02/13/2009 1915 | 95148 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-009**
Description: **COE-MW-07 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0900**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1926 | CDF | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Arsenic** | **7440-38-2** | **6010B** | **0.0057** | **J** | **0.010** | **0.0040** | **mg/L** | **1** |
| **Barium** | **7440-39-3** | **6010B** | **0.042** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| **Lead** | **7439-92-1** | **6010B** | **0.0037** | **J** | **0.010** | **0.0019** | **mg/L** | **1** |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| **Silver** | **7440-22-4** | **6010B** | **0.00067** | **J** | **0.0050** | **0.00040** | **mg/L** | **1** |

PQL = Practical quantitation limit
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-010**

Description: **COE-MW-05 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 1005**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1755 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **0.16** | **J** | **0.50** | **0.027** | **ug/L** | **1** |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| **trans-1,2-Dichloroethene** | **156-60-5** | **8260B** | **0.19** | **J** | **0.50** | **0.079** | **ug/L** | **1** |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **47** | | **0.50** | **0.087** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-010**
Description: **COE-MW-05 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1005**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1755 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **3.5** | | **0.50** | **0.065** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 83 | 52-138 |
| Bromofluorobenzene | | 92 | 70-147 |
| Toluene-d8 | | 92 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-010**

Description: **COE-MW-05 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 1005**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2157 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.0 | 0.90 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.0 | 4.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 25 | 3.0 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.0 | 0.50 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.0 | 0.60 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.0 | 0.80 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 10 | 3.3 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 25 | 1.2 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.0 | 0.81 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.0 | 0.70 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 25 | 2.6 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.0 | 1.9 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 25 | 8.1 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 25 | 4.8 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 10 | 3.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 10 | 3.4 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 25 | 4.0 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-010**
Description: **COE-MW-05 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1005**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2157 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.0 | 2.3 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 10 | 2.7 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 10 | 2.1 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 10 | 3.0 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 10 | 4.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 10 | 2.9 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 25 | 9.0 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 25 | 5.1 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.0 | 3.1 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 91 | 41-144 |
| 2-Fluorobiphenyl | | 84 | 37-129 |
| 2-Fluorophenol | | 75 | 24-127 |
| Nitrobenzene-d5 | | 81 | 38-127 |
| Phenol-d5 | | 76 | 28-128 |
| Terphenyl-d14 | | 69 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-010**
Description: **COE-MW-05 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1005**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1721 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 99 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-010**
Description: **COE-MW-05 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1005**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/12/2009 0132 | ASB | 02/10/2009 2113 | 94881 |
| 2 | 3520C | 8081A | 1 | 02/12/2009 1731 | ASB | 02/10/2009 2113 | 94881 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.025 | 0.0020 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| **beta-BHC** | **319-85-7** | **8081A** | **0.36** | **P** | **0.025** | **0.019** | **ug/L** | **2** |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.025 | 0.0080 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.025 | 0.024 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.025 | 0.020 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.25 | 0.030 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Run 1 Acceptance Limits | Q | Run 2 % Recovery | Run 2 Acceptance Limits |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | | 32 | 10-156 | | 34 | 10-156 |
| Tetrachloro-m-xylene | | 82 | 40-130 | | 84 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-010**
Description: **COE-MW-05 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1005**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/14/2009 1220 | BNW | 02/13/2009 1915 | 95148 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-010**
Description: **COE-MW-05 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 1005**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 2019 | CDF | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.035** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-011**

Description: **COE-MW-04 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 0825**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 10 | 02/11/2009 1739 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 100 | 33 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **2.9** | **J** | **5.0** | **0.27** | **ug/L** | **1** |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | 0.10 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 100 | 20 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | 0.97 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | 0.85 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| **Chloroform** | **67-66-3** | **8260B** | **1.7** | **J** | **5.0** | **1.7** | **ug/L** | **1** |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 5.0 | 3.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | 0.69 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | 0.61 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 5.0 | 0.70 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | 0.54 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | 0.23 | ug/L | 1 |
| **trans-1,2-Dichloroethene** | **156-60-5** | **8260B** | **7.6** | | **5.0** | **0.79** | **ug/L** | **1** |
| **1,1-Dichloroethene** | **75-35-4** | **8260B** | **2.2** | **J** | **5.0** | **0.94** | **ug/L** | **1** |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **1600** | | **5.0** | **0.87** | **ug/L** | **1** |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | 0.81 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | 1.8 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | 0.90 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 100 | 2.7 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 5.0 | 0.29 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 10 | 3.0 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 5.0 | 0.19 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 100 | 3.1 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 50 | 9.5 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | 0.15 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | 0.14 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 5.0 | 3.0 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | 0.29 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-011**
Description: **COE-MW-04 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0825**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 10 | 02/11/2009 1739 | DLB | | 94994 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | 0.24 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | 0.51 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **73** | | **5.0** | **0.65** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | 1.7 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 96 | 52-138 |
| Bromofluorobenzene | | 94 | 70-147 |
| Toluene-d8 | | 94 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.** Laboratory ID: **KB04016-011**

Description: **COE-MW-04 (020409)** Matrix: **Aqueous**

Date Sampled: **02/04/2009 0825**

Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2216 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.0 | 0.91 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.0 | 4.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 25 | 3.0 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.0 | 0.61 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.0 | 0.50 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.0 | 0.61 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.0 | 0.81 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 10 | 3.3 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 25 | 1.2 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.0 | 0.82 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.0 | 0.71 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 25 | 2.6 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.0 | 1.9 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 25 | 8.2 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 25 | 4.8 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 10 | 3.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 10 | 3.4 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.0 | 1.7 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 25 | 4.0 | ug/L | 1 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-011**
Description: **COE-MW-04 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0825**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 2216 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.0 | 2.3 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.0 | 1.5 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.0 | 1.1 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 10 | 2.7 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.0 | 1.4 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.0 | 1.0 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 10 | 2.1 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 10 | 3.0 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 10 | 4.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.0 | 1.6 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 10 | 2.9 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 25 | 9.1 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 25 | 5.2 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.0 | 3.1 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.0 | 1.2 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.0 | 1.3 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 86 | 41-144 |
| 2-Fluorobiphenyl | | 87 | 37-129 |
| 2-Fluorophenol | | 77 | 24-127 |
| Nitrobenzene-d5 | | 86 | 38-127 |
| Phenol-d5 | | 76 | 28-128 |
| Terphenyl-d14 | | 52 | 10-148 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-011**
Description: **COE-MW-04 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0825**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1744 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 93 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-011**
Description: **COE-MW-04 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0825**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/12/2009 0150 | ASB | 02/10/2009 2113 | 94881 |
| 2 | 3520C | 8081A | 2 | 02/12/2009 1748 | ASB | 02/10/2009 2113 | 94881 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.025 | 0.0020 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| **beta-BHC** | **319-85-7** | **8081A** | **0.82** | **P** | **0.050** | **0.038** | **ug/L** | **2** |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.025 | 0.0080 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.025 | 0.024 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.025 | 0.020 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.25 | 0.030 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Run 1 Acceptance Limits | Q | Run 2 % Recovery | Run 2 Acceptance Limits |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | | 63 | 10-156 | | 63 | 10-156 |
| Tetrachloro-m-xylene | | 81 | 40-130 | | 85 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-011**
Description: **COE-MW-04 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0825**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/14/2009 1222 | BNW | 02/13/2009 1915 | 95148 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-011**
Description: **COE-MW-04 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/04/2009 0825**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 2032 | CDF | 02/10/2009 1840 | 94906 |
| 2 | 3005A | 6010B | 1 | 02/13/2009 1434 | KJC | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.026** | | **0.025** | **0.0075** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| **Chromium** | **7440-47-3** | **6010B** | **0.0087** | | **0.0050** | **0.0021** | **mg/L** | **2** |
| Lead | 7439-92-1 | 6010B | ND | | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-012**
Description: **Trip Blank1 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/05/2009 0925**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1620 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| **Chloroform** | **67-66-3** | **8260B** | **0.17** | **J** | **0.50** | **0.17** | **ug/L** | **1** |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **KB04016-012**
Description: **Trip Blank1 (020409)**
Matrix: **Aqueous**
Date Sampled: **02/05/2009 0925**
Date Received: **02/05/2009**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1620 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 92 | 52-138 |
| Bromofluorobenzene | | 96 | 70-147 |
| Toluene-d8 | | 98 | 76-125 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# QC Summary

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** KQ94922-001
**Batch:** 94922
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | ND | | 1 | 10 | 3.3 | ug/L | 02/10/2009 0953 |
| Benzene | ND | | 1 | 0.50 | 0.027 | ug/L | 02/10/2009 0953 |
| Bromodichloromethane | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Bromoform | ND | | 1 | 0.50 | 0.010 | ug/L | 02/10/2009 0953 |
| Bromomethane (Methyl bromide) | ND | | 1 | 0.50 | 0.20 | ug/L | 02/10/2009 0953 |
| 2-Butanone (MEK) | ND | | 1 | 10 | 2.0 | ug/L | 02/10/2009 0953 |
| Carbon disulfide | ND | | 1 | 0.50 | 0.097 | ug/L | 02/10/2009 0953 |
| Carbon tetrachloride | ND | | 1 | 0.50 | 0.085 | ug/L | 02/10/2009 0953 |
| Chlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Chloroethane | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Chloroform | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Chloromethane (Methyl chloride) | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Cyclohexane | ND | | 1 | 0.50 | 0.30 | ug/L | 02/10/2009 0953 |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | | 1 | 0.50 | 0.069 | ug/L | 02/10/2009 0953 |
| Dibromochloromethane | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 1,2-Dibromoethane (EDB) | ND | | 1 | 0.50 | 0.061 | ug/L | 02/10/2009 0953 |
| 1,4-Dichlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 1,2-Dichlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 1,3-Dichlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Dichlorodifluoromethane | ND | | 1 | 0.50 | 0.071 | ug/L | 02/10/2009 0953 |
| 1,2-Dichloroethane | ND | | 1 | 0.50 | 0.023 | ug/L | 02/10/2009 0953 |
| 1,1-Dichloroethane | ND | | 1 | 0.50 | 0.054 | ug/L | 02/10/2009 0953 |
| cis-1,2-Dichloroethene | ND | | 1 | 0.50 | 0.087 | ug/L | 02/10/2009 0953 |
| 1,1-Dichloroethene | ND | | 1 | 0.50 | 0.094 | ug/L | 02/10/2009 0953 |
| trans-1,2-Dichloroethene | ND | | 1 | 0.50 | 0.079 | ug/L | 02/10/2009 0953 |
| 1,2-Dichloropropane | ND | | 1 | 0.50 | 0.081 | ug/L | 02/10/2009 0953 |
| cis-1,3-Dichloropropene | ND | | 1 | 0.50 | 0.090 | ug/L | 02/10/2009 0953 |
| trans-1,3-Dichloropropene | ND | | 1 | 0.50 | 0.18 | ug/L | 02/10/2009 0953 |
| Ethylbenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 2-Hexanone | ND | | 1 | 10 | 0.27 | ug/L | 02/10/2009 0953 |
| **Isopropylbenzene** | **0.10** | **J** | **1** | **0.50** | **0.029** | **ug/L** | **02/10/2009 0953** |
| Methyl acetate | ND | | 1 | 1.0 | 0.30 | ug/L | 02/10/2009 0953 |
| Methyl tertiary butyl ether (MTBE) | ND | | 1 | 0.50 | 0.019 | ug/L | 02/10/2009 0953 |
| 4-Methyl-2-pentanone | ND | | 1 | 10 | 0.31 | ug/L | 02/10/2009 0953 |
| Methylcyclohexane | ND | | 1 | 5.0 | 0.95 | ug/L | 02/10/2009 0953 |
| Methylene chloride | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Styrene | ND | | 1 | 0.50 | 0.015 | ug/L | 02/10/2009 0953 |
| 1,1,2,2-Tetrachloroethane | ND | | 1 | 0.50 | 0.013 | ug/L | 02/10/2009 0953 |
| **Tetrachloroethene** | **0.14** | **J** | **1** | **0.50** | **0.014** | **ug/L** | **02/10/2009 0953** |
| Toluene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | 1 | 0.50 | 0.30 | ug/L | 02/10/2009 0953 |
| **1,2,4-Trichlorobenzene** | **0.23** | **J** | **1** | **0.50** | **0.17** | **ug/L** | **02/10/2009 0953** |
| 1,1,2-Trichloroethane | ND | | 1 | 0.50 | 0.031 | ug/L | 02/10/2009 0953 |
| 1,1,1-Trichloroethane | ND | | 1 | 0.50 | 0.029 | ug/L | 02/10/2009 0953 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** KQ94922-001
**Batch:** 94922
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Trichloroethene | ND | | 1 | 0.50 | 0.024 | ug/L | 02/10/2009 0953 |
| Trichlorofluoromethane | ND | | 1 | 0.50 | 0.051 | ug/L | 02/10/2009 0953 |
| Vinyl chloride | ND | | 1 | 0.50 | 0.065 | ug/L | 02/10/2009 0953 |
| Xylenes (total) | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 101 | 70-147 |
| 1,2-Dichloroethane-d4 | | 91 | 52-138 |
| Toluene-d8 | | 101 | 76-125 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** KQ94922-002
**Batch:** 94922
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | 100 | 89 | | 1 | 89 | 46-153 | 02/10/2009 0843 |
| Benzene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| Bromodichloromethane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| Bromoform | 50 | 51 | | 1 | 102 | 70-130 | 02/10/2009 0843 |
| Bromomethane (Methyl bromide) | 50 | 45 | | 1 | 91 | 60-140 | 02/10/2009 0843 |
| 2-Butanone (MEK) | 100 | 100 | | 1 | 102 | 60-140 | 02/10/2009 0843 |
| Carbon disulfide | 50 | 41 | | 1 | 81 | 60-140 | 02/10/2009 0843 |
| Carbon tetrachloride | 50 | 51 | | 1 | 102 | 70-130 | 02/10/2009 0843 |
| Chlorobenzene | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| Chloroethane | 50 | 47 | | 1 | 94 | 42-163 | 02/10/2009 0843 |
| Chloroform | 50 | 44 | | 1 | 88 | 70-130 | 02/10/2009 0843 |
| Chloromethane (Methyl chloride) | 50 | 39 | | 1 | 78 | 20-158 | 02/10/2009 0843 |
| Cyclohexane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 50 | 49 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| Dibromochloromethane | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| 1,2-Dibromoethane (EDB) | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,4-Dichlorobenzene | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,2-Dichlorobenzene | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,3-Dichlorobenzene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| Dichlorodifluoromethane | 50 | 34 | | 1 | 69 | 60-140 | 02/10/2009 0843 |
| 1,2-Dichloroethane | 50 | 45 | | 1 | 89 | 70-130 | 02/10/2009 0843 |
| 1,1-Dichloroethane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| cis-1,2-Dichloroethene | 50 | 48 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| 1,1-Dichloroethene | 50 | 49 | | 1 | 98 | 70-130 | 02/10/2009 0843 |
| trans-1,2-Dichloroethene | 50 | 48 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| 1,2-Dichloropropane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| cis-1,3-Dichloropropene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| trans-1,3-Dichloropropene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| Ethylbenzene | 50 | 48 | | 1 | 95 | 70-130 | 02/10/2009 0843 |
| 2-Hexanone | 100 | 94 | | 1 | 94 | 60-140 | 02/10/2009 0843 |
| Isopropylbenzene | 50 | 49 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| Methyl acetate | 50 | 40 | | 1 | 81 | 15-128 | 02/10/2009 0843 |
| Methyl tertiary butyl ether (MTBE) | 50 | 46 | | 1 | 92 | 70-130 | 02/10/2009 0843 |
| 4-Methyl-2-pentanone | 100 | 92 | | 1 | 92 | 60-140 | 02/10/2009 0843 |
| Methylcyclohexane | 50 | 50 | | 1 | 99 | 70-130 | 02/10/2009 0843 |
| Methylene chloride | 50 | 44 | | 1 | 88 | 70-130 | 02/10/2009 0843 |
| Styrene | 50 | 49 | | 1 | 98 | 70-130 | 02/10/2009 0843 |
| 1,1,2,2-Tetrachloroethane | 50 | 46 | | 1 | 92 | 70-130 | 02/10/2009 0843 |
| Tetrachloroethene | 50 | 50 | | 1 | 101 | 70-130 | 02/10/2009 0843 |
| Toluene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 50 | 56 | | 1 | 112 | 70-130 | 02/10/2009 0843 |
| 1,2,4-Trichlorobenzene | 50 | 48 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| 1,1,2-Trichloroethane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,1,1-Trichloroethane | 50 | 49 | | 1 | 98 | 70-130 | 02/10/2009 0843 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** KQ94922-002
**Batch:** 94922
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Trichloroethene | 50 | 50 | | 1 | 99 | 70-130 | 02/10/2009 0843 |
| Trichlorofluoromethane | 50 | 52 | | 1 | 103 | 60-140 | 02/10/2009 0843 |
| Vinyl chloride | 50 | 46 | | 1 | 93 | 60-140 | 02/10/2009 0843 |
| Xylenes (total) | 100 | 95 | | 1 | 95 | 70-130 | 02/10/2009 0843 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 107 | 70-147 |
| 1,2-Dichloroethane-d4 | | 96 | 52-138 |
| Toluene-d8 | | 105 | 76-125 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCSD

**Sample ID:** KQ94922-003
**Batch:** 94922
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 100 | 90 | | 1 | 90 | 0.57 | 46-153 | 20 | 02/10/2009 0906 |
| Benzene | 50 | 51 | | 1 | 101 | 5.5 | 70-130 | 20 | 02/10/2009 0906 |
| Bromodichloromethane | 50 | 50 | | 1 | 99 | 5.5 | 70-130 | 20 | 02/10/2009 0906 |
| Bromoform | 50 | 54 | | 1 | 107 | 5.1 | 70-130 | 20 | 02/10/2009 0906 |
| Bromomethane (Methyl bromide) | 50 | 48 | | 1 | 96 | 5.2 | 60-140 | 20 | 02/10/2009 0906 |
| 2-Butanone (MEK) | 100 | 100 | | 1 | 105 | 2.5 | 60-140 | 20 | 02/10/2009 0906 |
| Carbon disulfide | 50 | 42 | | 1 | 85 | 4.0 | 60-140 | 20 | 02/10/2009 0906 |
| Carbon tetrachloride | 50 | 55 | | 1 | 111 | 7.9 | 70-130 | 20 | 02/10/2009 0906 |
| Chlorobenzene | 50 | 50 | | 1 | 101 | 6.7 | 70-130 | 20 | 02/10/2009 0906 |
| Chloroethane | 50 | 48 | | 1 | 96 | 1.8 | 42-163 | 20 | 02/10/2009 0906 |
| Chloroform | 50 | 46 | | 1 | 91 | 3.7 | 70-130 | 20 | 02/10/2009 0906 |
| Chloromethane (Methyl chloride) | 50 | 40 | | 1 | 81 | 3.6 | 20-158 | 20 | 02/10/2009 0906 |
| Cyclohexane | 50 | 49 | | 1 | 98 | 4.0 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 50 | 50 | | 1 | 101 | 3.8 | 70-130 | 20 | 02/10/2009 0906 |
| Dibromochloromethane | 50 | 52 | | 1 | 103 | 7.0 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2-Dibromoethane (EDB) | 50 | 50 | | 1 | 100 | 5.3 | 70-130 | 20 | 02/10/2009 0906 |
| 1,4-Dichlorobenzene | 50 | 50 | | 1 | 100 | 5.9 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2-Dichlorobenzene | 50 | 50 | | 1 | 100 | 6.3 | 70-130 | 20 | 02/10/2009 0906 |
| 1,3-Dichlorobenzene | 50 | 50 | | 1 | 100 | 4.4 | 70-130 | 20 | 02/10/2009 0906 |
| Dichlorodifluoromethane | 50 | 36 | | 1 | 72 | 4.0 | 60-140 | 20 | 02/10/2009 0906 |
| 1,2-Dichloroethane | 50 | 47 | | 1 | 94 | 4.5 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1-Dichloroethane | 50 | 50 | | 1 | 99 | 5.4 | 70-130 | 20 | 02/10/2009 0906 |
| cis-1,2-Dichloroethene | 50 | 50 | | 1 | 101 | 3.8 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1-Dichloroethene | 50 | 52 | | 1 | 104 | 5.6 | 70-130 | 20 | 02/10/2009 0906 |
| trans-1,2-Dichloroethene | 50 | 51 | | 1 | 102 | 5.3 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2-Dichloropropane | 50 | 50 | | 1 | 99 | 5.6 | 70-130 | 20 | 02/10/2009 0906 |
| cis-1,3-Dichloropropene | 50 | 50 | | 1 | 100 | 4.4 | 70-130 | 20 | 02/10/2009 0906 |
| trans-1,3-Dichloropropene | 50 | 51 | | 1 | 103 | 6.6 | 70-130 | 20 | 02/10/2009 0906 |
| Ethylbenzene | 50 | 51 | | 1 | 102 | 6.6 | 70-130 | 20 | 02/10/2009 0906 |
| 2-Hexanone | 100 | 97 | | 1 | 97 | 3.8 | 60-140 | 20 | 02/10/2009 0906 |
| Isopropylbenzene | 50 | 52 | | 1 | 103 | 5.8 | 70-130 | 20 | 02/10/2009 0906 |
| Methyl acetate | 50 | 42 | | 1 | 84 | 3.3 | 15-128 | 20 | 02/10/2009 0906 |
| Methyl tertiary butyl ether (MTBE) | 50 | 48 | | 1 | 97 | 5.0 | 70-130 | 20 | 02/10/2009 0906 |
| 4-Methyl-2-pentanone | 100 | 95 | | 1 | 95 | 3.5 | 60-140 | 20 | 02/10/2009 0906 |
| Methylcyclohexane | 50 | 52 | | 1 | 105 | 5.7 | 70-130 | 20 | 02/10/2009 0906 |
| Methylene chloride | 50 | 46 | | 1 | 93 | 5.6 | 70-130 | 20 | 02/10/2009 0906 |
| Styrene | 50 | 52 | | 1 | 105 | 7.0 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1,2,2-Tetrachloroethane | 50 | 49 | | 1 | 97 | 5.4 | 70-130 | 20 | 02/10/2009 0906 |
| Tetrachloroethene | 50 | 54 | | 1 | 108 | 6.6 | 70-130 | 20 | 02/10/2009 0906 |
| Toluene | 50 | 51 | | 1 | 102 | 5.8 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 50 | 58 | | 1 | 117 | 4.5 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2,4-Trichlorobenzene | 50 | 52 | | 1 | 103 | 5.9 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1,2-Trichloroethane | 50 | 49 | | 1 | 99 | 5.1 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1,1-Trichloroethane | 50 | 52 | | 1 | 103 | 5.0 | 70-130 | 20 | 02/10/2009 0906 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCSD

**Sample ID:** KQ94922-003
**Batch:** 94922
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 50 | 53 | | 1 | 105 | 6.1 | 70-130 | 20 | 02/10/2009 0906 |
| Trichlorofluoromethane | 50 | 54 | | 1 | 108 | 4.4 | 60-140 | 20 | 02/10/2009 0906 |
| Vinyl chloride | 50 | 48 | | 1 | 96 | 3.0 | 60-140 | 20 | 02/10/2009 0906 |
| Xylenes (total) | 100 | 100 | | 1 | 102 | 6.8 | 70-130 | 20 | 02/10/2009 0906 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 97 | 70-147 |
| 1,2-Dichloroethane-d4 | | 83 | 52-138 |
| Toluene-d8 | | 94 | 76-125 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** KQ94994-001
**Batch:** 94994
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | ND | | 1 | 10 | 3.3 | ug/L | 02/11/2009 1120 |
| Benzene | ND | | 1 | 0.50 | 0.027 | ug/L | 02/11/2009 1120 |
| Bromodichloromethane | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| Bromoform | ND | | 1 | 0.50 | 0.010 | ug/L | 02/11/2009 1120 |
| Bromomethane (Methyl bromide) | ND | | 1 | 0.50 | 0.20 | ug/L | 02/11/2009 1120 |
| 2-Butanone (MEK) | ND | | 1 | 10 | 2.0 | ug/L | 02/11/2009 1120 |
| Carbon disulfide | ND | | 1 | 0.50 | 0.097 | ug/L | 02/11/2009 1120 |
| Carbon tetrachloride | ND | | 1 | 0.50 | 0.085 | ug/L | 02/11/2009 1120 |
| Chlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| Chloroethane | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| Chloroform | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| Chloromethane (Methyl chloride) | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| Cyclohexane | ND | | 1 | 0.50 | 0.30 | ug/L | 02/11/2009 1120 |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | | 1 | 0.50 | 0.069 | ug/L | 02/11/2009 1120 |
| Dibromochloromethane | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| 1,2-Dibromoethane (EDB) | ND | | 1 | 0.50 | 0.061 | ug/L | 02/11/2009 1120 |
| 1,2-Dichlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| 1,4-Dichlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| 1,3-Dichlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| Dichlorodifluoromethane | ND | | 1 | 0.50 | 0.071 | ug/L | 02/11/2009 1120 |
| 1,1-Dichloroethane | ND | | 1 | 0.50 | 0.054 | ug/L | 02/11/2009 1120 |
| 1,2-Dichloroethane | ND | | 1 | 0.50 | 0.023 | ug/L | 02/11/2009 1120 |
| trans-1,2-Dichloroethene | ND | | 1 | 0.50 | 0.079 | ug/L | 02/11/2009 1120 |
| 1,1-Dichloroethene | ND | | 1 | 0.50 | 0.094 | ug/L | 02/11/2009 1120 |
| cis-1,2-Dichloroethene | ND | | 1 | 0.50 | 0.087 | ug/L | 02/11/2009 1120 |
| 1,2-Dichloropropane | ND | | 1 | 0.50 | 0.081 | ug/L | 02/11/2009 1120 |
| trans-1,3-Dichloropropene | ND | | 1 | 0.50 | 0.18 | ug/L | 02/11/2009 1120 |
| cis-1,3-Dichloropropene | ND | | 1 | 0.50 | 0.090 | ug/L | 02/11/2009 1120 |
| Ethylbenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| 2-Hexanone | ND | | 1 | 10 | 0.27 | ug/L | 02/11/2009 1120 |
| Isopropylbenzene | ND | | 1 | 0.50 | 0.029 | ug/L | 02/11/2009 1120 |
| Methyl acetate | ND | | 1 | 1.0 | 0.30 | ug/L | 02/11/2009 1120 |
| Methyl tertiary butyl ether (MTBE) | ND | | 1 | 0.50 | 0.019 | ug/L | 02/11/2009 1120 |
| 4-Methyl-2-pentanone | ND | | 1 | 10 | 0.31 | ug/L | 02/11/2009 1120 |
| Methylcyclohexane | ND | | 1 | 5.0 | 0.95 | ug/L | 02/11/2009 1120 |
| Methylene chloride | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| Styrene | ND | | 1 | 0.50 | 0.015 | ug/L | 02/11/2009 1120 |
| 1,1,2,2-Tetrachloroethane | ND | | 1 | 0.50 | 0.013 | ug/L | 02/11/2009 1120 |
| Tetrachloroethene | ND | | 1 | 0.50 | 0.014 | ug/L | 02/11/2009 1120 |
| Toluene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | 1 | 0.50 | 0.30 | ug/L | 02/11/2009 1120 |
| **1,2,4-Trichlorobenzene** | **0.17** | **J** | **1** | **0.50** | **0.17** | **ug/L** | **02/11/2009 1120** |
| 1,1,1-Trichloroethane | ND | | 1 | 0.50 | 0.029 | ug/L | 02/11/2009 1120 |
| 1,1,2-Trichloroethane | ND | | 1 | 0.50 | 0.031 | ug/L | 02/11/2009 1120 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** KQ94994-001
**Batch:** 94994
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Trichloroethene | ND | | 1 | 0.50 | 0.024 | ug/L | 02/11/2009 1120 |
| Trichlorofluoromethane | ND | | 1 | 0.50 | 0.051 | ug/L | 02/11/2009 1120 |
| Vinyl chloride | ND | | 1 | 0.50 | 0.065 | ug/L | 02/11/2009 1120 |
| Xylenes (total) | ND | | 1 | 0.50 | 0.17 | ug/L | 02/11/2009 1120 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 96 | 70-147 |
| 1,2-Dichloroethane-d4 | | 89 | 52-138 |
| Toluene-d8 | | 95 | 76-125 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** KQ94994-002
**Batch:** 94994
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | 100 | 95 | | 1 | 95 | 46-153 | 02/11/2009 1012 |
| Benzene | 50 | 47 | | 1 | 94 | 70-130 | 02/11/2009 1012 |
| Bromodichloromethane | 50 | 47 | | 1 | 93 | 70-130 | 02/11/2009 1012 |
| Bromoform | 50 | 52 | | 1 | 104 | 70-130 | 02/11/2009 1012 |
| Bromomethane (Methyl bromide) | 50 | 45 | | 1 | 90 | 60-140 | 02/11/2009 1012 |
| 2-Butanone (MEK) | 100 | 98 | | 1 | 98 | 60-140 | 02/11/2009 1012 |
| Carbon disulfide | 50 | 33 | | 1 | 66 | 60-140 | 02/11/2009 1012 |
| Carbon tetrachloride | 50 | 52 | | 1 | 104 | 70-130 | 02/11/2009 1012 |
| Chlorobenzene | 50 | 46 | | 1 | 93 | 70-130 | 02/11/2009 1012 |
| Chloroethane | 50 | 48 | | 1 | 96 | 42-163 | 02/11/2009 1012 |
| Chloroform | 50 | 42 | | 1 | 85 | 70-130 | 02/11/2009 1012 |
| Chloromethane (Methyl chloride) | 50 | 51 | | 1 | 102 | 20-158 | 02/11/2009 1012 |
| Cyclohexane | 50 | 54 | | 1 | 108 | 70-130 | 02/11/2009 1012 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 50 | 48 | | 1 | 96 | 70-130 | 02/11/2009 1012 |
| Dibromochloromethane | 50 | 48 | | 1 | 96 | 70-130 | 02/11/2009 1012 |
| 1,2-Dibromoethane (EDB) | 50 | 46 | | 1 | 92 | 70-130 | 02/11/2009 1012 |
| 1,2-Dichlorobenzene | 50 | 47 | | 1 | 95 | 70-130 | 02/11/2009 1012 |
| 1,4-Dichlorobenzene | 50 | 47 | | 1 | 94 | 70-130 | 02/11/2009 1012 |
| 1,3-Dichlorobenzene | 50 | 47 | | 1 | 95 | 70-130 | 02/11/2009 1012 |
| Dichlorodifluoromethane | 50 | 53 | | 1 | 106 | 60-140 | 02/11/2009 1012 |
| 1,1-Dichloroethane | 50 | 46 | | 1 | 92 | 70-130 | 02/11/2009 1012 |
| 1,2-Dichloroethane | 50 | 46 | | 1 | 93 | 70-130 | 02/11/2009 1012 |
| trans-1,2-Dichloroethene | 50 | 46 | | 1 | 93 | 70-130 | 02/11/2009 1012 |
| 1,1-Dichloroethene | 50 | 46 | | 1 | 92 | 70-130 | 02/11/2009 1012 |
| cis-1,2-Dichloroethene | 50 | 46 | | 1 | 92 | 70-130 | 02/11/2009 1012 |
| 1,2-Dichloropropane | 50 | 46 | | 1 | 93 | 70-130 | 02/11/2009 1012 |
| trans-1,3-Dichloropropene | 50 | 47 | | 1 | 94 | 70-130 | 02/11/2009 1012 |
| cis-1,3-Dichloropropene | 50 | 47 | | 1 | 94 | 70-130 | 02/11/2009 1012 |
| Ethylbenzene | 50 | 48 | | 1 | 97 | 70-130 | 02/11/2009 1012 |
| 2-Hexanone | 100 | 100 | | 1 | 106 | 60-140 | 02/11/2009 1012 |
| Isopropylbenzene | 50 | 48 | | 1 | 96 | 70-130 | 02/11/2009 1012 |
| Methyl acetate | 50 | 45 | | 1 | 90 | 15-128 | 02/11/2009 1012 |
| Methyl tertiary butyl ether (MTBE) | 50 | 44 | | 1 | 89 | 70-130 | 02/11/2009 1012 |
| 4-Methyl-2-pentanone | 100 | 100 | | 1 | 103 | 60-140 | 02/11/2009 1012 |
| Methylcyclohexane | 50 | 48 | | 1 | 96 | 70-130 | 02/11/2009 1012 |
| Methylene chloride | 50 | 41 | | 1 | 82 | 70-130 | 02/11/2009 1012 |
| Styrene | 50 | 49 | | 1 | 98 | 70-130 | 02/11/2009 1012 |
| 1,1,2,2-Tetrachloroethane | 50 | 45 | | 1 | 90 | 70-130 | 02/11/2009 1012 |
| Tetrachloroethene | 50 | 50 | | 1 | 101 | 70-130 | 02/11/2009 1012 |
| Toluene | 50 | 48 | | 1 | 96 | 70-130 | 02/11/2009 1012 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 50 | 52 | | 1 | 104 | 70-130 | 02/11/2009 1012 |
| 1,2,4-Trichlorobenzene | 50 | 48 | | 1 | 96 | 70-130 | 02/11/2009 1012 |
| 1,1,1-Trichloroethane | 50 | 49 | | 1 | 98 | 70-130 | 02/11/2009 1012 |
| 1,1,2-Trichloroethane | 50 | 45 | | 1 | 90 | 70-130 | 02/11/2009 1012 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** KQ94994-002
**Batch:** 94994
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Trichloroethene | 50 | 47 | | 1 | 95 | 70-130 | 02/11/2009 1012 |
| Trichlorofluoromethane | 50 | 54 | | 1 | 109 | 60-140 | 02/11/2009 1012 |
| Vinyl chloride | 50 | 51 | | 1 | 103 | 60-140 | 02/11/2009 1012 |
| Xylenes (total) | 100 | 95 | | 1 | 95 | 70-130 | 02/11/2009 1012 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 96 | 70-147 |
| 1,2-Dichloroethane-d4 | | 87 | 52-138 |
| Toluene-d8 | | 93 | 76-125 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCSD

**Sample ID:** KQ94994-003
**Batch:** 94994
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 100 | 98 | | 1 | 98 | 3.6 | 46-153 | 20 | 02/11/2009 1035 |
| Benzene | 50 | 52 | | 1 | 104 | 9.9 | 70-130 | 20 | 02/11/2009 1035 |
| Bromodichloromethane | 50 | 51 | | 1 | 103 | 9.6 | 70-130 | 20 | 02/11/2009 1035 |
| Bromoform | 50 | 56 | | 1 | 112 | 7.8 | 70-130 | 20 | 02/11/2009 1035 |
| Bromomethane (Methyl bromide) | 50 | 51 | | 1 | 102 | 12 | 60-140 | 20 | 02/11/2009 1035 |
| 2-Butanone (MEK) | 100 | 100 | | 1 | 105 | 7.0 | 60-140 | 20 | 02/11/2009 1035 |
| Carbon disulfide | 50 | 36 | | 1 | 73 | 9.3 | 60-140 | 20 | 02/11/2009 1035 |
| Carbon tetrachloride | 50 | 57 | | 1 | 114 | 9.6 | 70-130 | 20 | 02/11/2009 1035 |
| Chlorobenzene | 50 | 52 | | 1 | 103 | 11 | 70-130 | 20 | 02/11/2009 1035 |
| Chloroethane | 50 | 51 | | 1 | 102 | 6.0 | 42-163 | 20 | 02/11/2009 1035 |
| Chloroform | 50 | 46 | | 1 | 92 | 8.2 | 70-130 | 20 | 02/11/2009 1035 |
| Chloromethane (Methyl chloride) | 50 | 54 | | 1 | 108 | 6.1 | 20-158 | 20 | 02/11/2009 1035 |
| Cyclohexane | 50 | 56 | | 1 | 113 | 3.8 | 70-130 | 20 | 02/11/2009 1035 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 50 | 52 | | 1 | 103 | 7.3 | 70-130 | 20 | 02/11/2009 1035 |
| Dibromochloromethane | 50 | 53 | | 1 | 107 | 11 | 70-130 | 20 | 02/11/2009 1035 |
| 1,2-Dibromoethane (EDB) | 50 | 51 | | 1 | 102 | 9.4 | 70-130 | 20 | 02/11/2009 1035 |
| 1,2-Dichlorobenzene | 50 | 52 | | 1 | 104 | 9.1 | 70-130 | 20 | 02/11/2009 1035 |
| 1,4-Dichlorobenzene | 50 | 52 | | 1 | 103 | 8.8 | 70-130 | 20 | 02/11/2009 1035 |
| 1,3-Dichlorobenzene | 50 | 52 | | 1 | 105 | 10 | 70-130 | 20 | 02/11/2009 1035 |
| Dichlorodifluoromethane | 50 | 59 | | 1 | 118 | 11 | 60-140 | 20 | 02/11/2009 1035 |
| 1,1-Dichloroethane | 50 | 50 | | 1 | 100 | 8.2 | 70-130 | 20 | 02/11/2009 1035 |
| 1,2-Dichloroethane | 50 | 50 | | 1 | 99 | 6.2 | 70-130 | 20 | 02/11/2009 1035 |
| trans-1,2-Dichloroethene | 50 | 51 | | 1 | 101 | 8.6 | 70-130 | 20 | 02/11/2009 1035 |
| 1,1-Dichloroethene | 50 | 51 | | 1 | 102 | 9.8 | 70-130 | 20 | 02/11/2009 1035 |
| cis-1,2-Dichloroethene | 50 | 51 | | 1 | 101 | 9.2 | 70-130 | 20 | 02/11/2009 1035 |
| 1,2-Dichloropropane | 50 | 51 | | 1 | 102 | 9.5 | 70-130 | 20 | 02/11/2009 1035 |
| trans-1,3-Dichloropropene | 50 | 52 | | 1 | 104 | 9.9 | 70-130 | 20 | 02/11/2009 1035 |
| cis-1,3-Dichloropropene | 50 | 51 | | 1 | 102 | 8.3 | 70-130 | 20 | 02/11/2009 1035 |
| Ethylbenzene | 50 | 53 | | 1 | 107 | 10 | 70-130 | 20 | 02/11/2009 1035 |
| 2-Hexanone | 100 | 110 | | 1 | 111 | 4.6 | 60-140 | 20 | 02/11/2009 1035 |
| Isopropylbenzene | 50 | 53 | | 1 | 106 | 10 | 70-130 | 20 | 02/11/2009 1035 |
| Methyl acetate | 50 | 47 | | 1 | 94 | 4.5 | 15-128 | 20 | 02/11/2009 1035 |
| Methyl tertiary butyl ether (MTBE) | 50 | 48 | | 1 | 97 | 9.2 | 70-130 | 20 | 02/11/2009 1035 |
| 4-Methyl-2-pentanone | 100 | 110 | | 1 | 107 | 3.6 | 60-140 | 20 | 02/11/2009 1035 |
| Methylcyclohexane | 50 | 53 | | 1 | 106 | 10 | 70-130 | 20 | 02/11/2009 1035 |
| Methylene chloride | 50 | 45 | | 1 | 90 | 9.5 | 70-130 | 20 | 02/11/2009 1035 |
| Styrene | 50 | 55 | | 1 | 109 | 11 | 70-130 | 20 | 02/11/2009 1035 |
| 1,1,2,2-Tetrachloroethane | 50 | 48 | | 1 | 97 | 7.0 | 70-130 | 20 | 02/11/2009 1035 |
| Tetrachloroethene | 50 | 56 | | 1 | 113 | 11 | 70-130 | 20 | 02/11/2009 1035 |
| Toluene | 50 | 52 | | 1 | 105 | 8.9 | 70-130 | 20 | 02/11/2009 1035 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 50 | 57 | | 1 | 113 | 8.0 | 70-130 | 20 | 02/11/2009 1035 |
| 1,2,4-Trichlorobenzene | 50 | 54 | | 1 | 108 | 11 | 70-130 | 20 | 02/11/2009 1035 |
| 1,1,1-Trichloroethane | 50 | 53 | | 1 | 107 | 8.6 | 70-130 | 20 | 02/11/2009 1035 |
| 1,1,2-Trichloroethane | 50 | 51 | | 1 | 101 | 12 | 70-130 | 20 | 02/11/2009 1035 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCSD

**Sample ID:** KQ94994-003
**Batch:** 94994
**Analytical Method:** 8260B
**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 50 | 53 | | 1 | 107 | 12 | 70-130 | 20 | 02/11/2009 1035 |
| Trichlorofluoromethane | 50 | 61 | | 1 | 122 | 11 | 60-140 | 20 | 02/11/2009 1035 |
| Vinyl chloride | 50 | 56 | | 1 | 112 | 8.4 | 60-140 | 20 | 02/11/2009 1035 |
| Xylenes (total) | 100 | 100 | | 1 | 106 | 10 | 70-130 | 20 | 02/11/2009 1035 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 97 | 70-147 |
| 1,2-Dichloroethane-d4 | | 87 | 52-138 |
| Toluene-d8 | | 94 | 76-125 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - MB

**Sample ID:** KQ94722-001
**Batch:** 94722
**Analytical Method:** 8270C
**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 02/06/2009 1620

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 1,1'-Biphenyl | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| 2,4,5-Trichlorophenol | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| 2,4,6-Trichlorophenol | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| 2,4-Dichlorophenol | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| 2,4-Dimethylphenol | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| 2,4-Dinitrophenol | ND | | 1 | 25 | 4.8 | ug/L | 02/09/2009 1506 |
| 2,4-Dinitrotoluene | ND | | 1 | 10 | 3.8 | ug/L | 02/09/2009 1506 |
| 2,6-Dinitrotoluene | ND | | 1 | 10 | 3.4 | ug/L | 02/09/2009 1506 |
| 2-Chloronaphthalene | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| 2-Chlorophenol | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| 2-Methylnaphthalene | ND | | 1 | 5.0 | 1.5 | ug/L | 02/09/2009 1506 |
| 2-Methylphenol | ND | | 1 | 5.0 | 1.1 | ug/L | 02/09/2009 1506 |
| 2-Nitroaniline | ND | | 1 | 10 | 2.1 | ug/L | 02/09/2009 1506 |
| 2-Nitrophenol | ND | | 1 | 10 | 2.9 | ug/L | 02/09/2009 1506 |
| 3 & 4-Methylphenol | ND | | 1 | 10 | 2.7 | ug/L | 02/09/2009 1506 |
| 3,3'-Dichlorobenzidine | ND | | 1 | 25 | 2.6 | ug/L | 02/09/2009 1506 |
| 3-Nitroaniline | ND | | 1 | 10 | 3.0 | ug/L | 02/09/2009 1506 |
| 4,6-Dinitro-2-methylphenol | ND | | 1 | 25 | 8.1 | ug/L | 02/09/2009 1506 |
| 4-Bromophenyl phenyl ether | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| 4-Chloro-3-methyl phenol | ND | | 1 | 5.0 | 1.6 | ug/L | 02/09/2009 1506 |
| 4-Chloroaniline | ND | | 1 | 5.0 | 0.81 | ug/L | 02/09/2009 1506 |
| 4-Chlorophenyl phenyl ether | ND | | 1 | 5.0 | 1.6 | ug/L | 02/09/2009 1506 |
| 4-Nitroaniline | ND | | 1 | 10 | 4.2 | ug/L | 02/09/2009 1506 |
| 4-Nitrophenol | ND | | 1 | 25 | 9.0 | ug/L | 02/09/2009 1506 |
| Acenaphthene | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Acenaphthylene | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Acetophenone | ND | | 1 | 5.0 | 0.90 | ug/L | 02/09/2009 1506 |
| Anthracene | ND | | 1 | 5.0 | 1.1 | ug/L | 02/09/2009 1506 |
| Atrazine | ND | | 1 | 5.0 | 4.2 | ug/L | 02/09/2009 1506 |
| Benzaldehyde | ND | | 1 | 25 | 3.0 | ug/L | 02/09/2009 1506 |
| Benzo(a)anthracene | ND | | 1 | 5.0 | 0.60 | ug/L | 02/09/2009 1506 |
| Benzo(a)pyrene | ND | | 1 | 5.0 | 0.50 | ug/L | 02/09/2009 1506 |
| Benzo(b)fluoranthene | ND | | 1 | 5.0 | 0.60 | ug/L | 02/09/2009 1506 |
| Benzo(g,h,i)perylene | ND | | 1 | 5.0 | 0.80 | ug/L | 02/09/2009 1506 |
| Benzo(k)fluoranthene | ND | | 1 | 5.0 | 1.0 | ug/L | 02/09/2009 1506 |
| bis(2-Chloroethoxy)methane | ND | | 1 | 5.0 | 1.5 | ug/L | 02/09/2009 1506 |
| bis(2-Chloroethyl)ether | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| bis(2-Chloroisopropyl)ether | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| bis(2-Ethylhexyl)phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |
| Butyl benzyl phthalate | ND | | 1 | 10 | 3.3 | ug/L | 02/09/2009 1506 |
| Caprolactam | ND | | 1 | 25 | 1.2 | ug/L | 02/09/2009 1506 |
| Carbazole | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |
| Chrysene | ND | | 1 | 5.0 | 0.70 | ug/L | 02/09/2009 1506 |
| Di-n-butyl phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - MB

**Sample ID:** KQ94722-001
**Batch:** 94722
**Analytical Method:** 8270C
**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 02/06/2009 1620

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Di-n-octylphthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |
| Dibenzo(a,h)anthracene | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| Dibenzofuran | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Diethylphthalate | ND | | 1 | 5.0 | 1.9 | ug/L | 02/09/2009 1506 |
| Dimethyl phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |
| Fluoranthene | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| Fluorene | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| Hexachlorobenzene | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Hexachlorobutadiene | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| Hexachlorocyclopentadiene | ND | | 1 | 25 | 4.0 | ug/L | 02/09/2009 1506 |
| Hexachloroethane | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Indeno(1,2,3-c,d)pyrene | ND | | 1 | 5.0 | 2.3 | ug/L | 02/09/2009 1506 |
| Isophorone | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| N-Nitrosodi-n-propylamine | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| N-Nitrosodiphenylamine (Diphenylamine) | ND | | 1 | 5.0 | 1.0 | ug/L | 02/09/2009 1506 |
| Naphthalene | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| Nitrobenzene | ND | | 1 | 5.0 | 1.6 | ug/L | 02/09/2009 1506 |
| Pentachlorophenol | ND | | 1 | 25 | 5.1 | ug/L | 02/09/2009 1506 |
| Phenanthrene | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Phenol | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Pyrene | ND | | 1 | 5.0 | 3.1 | ug/L | 02/09/2009 1506 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 82 | 41-144 |
| 2-Fluorobiphenyl | | 91 | 37-129 |
| 2-Fluorophenol | | 78 | 24-127 |
| Nitrobenzene-d5 | | 90 | 38-127 |
| Phenol-d5 | | 80 | 28-128 |
| Terphenyl-d14 | | 82 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - LCS

**Sample ID:** KQ94722-002 **Matrix:** Aqueous
**Batch:** 94722 **Prep Method:** 3520C
**Analytical Method:** 8270C **Prep Date:** 02/06/2009 1620

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | 100 | 85 | | 1 | 85 | 30-130 | 02/09/2009 1525 |
| 2,4,6-Trichlorophenol | 100 | 79 | | 1 | 79 | 30-130 | 02/09/2009 1525 |
| 2,4-Dichlorophenol | 100 | 86 | | 1 | 86 | 30-130 | 02/09/2009 1525 |
| 2,4-Dimethylphenol | 100 | 74 | | 1 | 74 | 30-130 | 02/09/2009 1525 |
| 2,4-Dinitrophenol | 500 | 350 | | 1 | 69 | 30-130 | 02/09/2009 1525 |
| 2,4-Dinitrotoluene | 200 | 180 | | 1 | 89 | 30-130 | 02/09/2009 1525 |
| 2,6-Dinitrotoluene | 200 | 180 | | 1 | 90 | 30-130 | 02/09/2009 1525 |
| 2-Chloronaphthalene | 100 | 81 | | 1 | 81 | 30-130 | 02/09/2009 1525 |
| 2-Chlorophenol | 100 | 81 | | 1 | 81 | 30-130 | 02/09/2009 1525 |
| 2-Methylnaphthalene | 100 | 84 | | 1 | 84 | 30-130 | 02/09/2009 1525 |
| 2-Methylphenol | 100 | 82 | | 1 | 82 | 30-130 | 02/09/2009 1525 |
| 2-Nitroaniline | 200 | 160 | | 1 | 83 | 30-130 | 02/09/2009 1525 |
| 2-Nitrophenol | 200 | 160 | | 1 | 82 | 30-130 | 02/09/2009 1525 |
| 3 & 4-Methylphenol | 200 | 160 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| 3-Nitroaniline | 200 | 150 | | 1 | 76 | 30-130 | 02/09/2009 1525 |
| 4,6-Dinitro-2-methylphenol | 500 | 420 | | 1 | 85 | 30-130 | 02/09/2009 1525 |
| 4-Bromophenyl phenyl ether | 100 | 86 | | 1 | 86 | 30-130 | 02/09/2009 1525 |
| 4-Chloro-3-methyl phenol | 100 | 85 | | 1 | 85 | 30-130 | 02/09/2009 1525 |
| 4-Chloroaniline | 100 | 46 | | 1 | 46 | 10-130 | 02/09/2009 1525 |
| 4-Chlorophenyl phenyl ether | 100 | 86 | | 1 | 86 | 30-130 | 02/09/2009 1525 |
| 4-Nitroaniline | 200 | 150 | | 1 | 76 | 30-130 | 02/09/2009 1525 |
| 4-Nitrophenol | 500 | 430 | | 1 | 87 | 30-130 | 02/09/2009 1525 |
| Acenaphthene | 100 | 83 | | 1 | 83 | 30-130 | 02/09/2009 1525 |
| Acenaphthylene | 100 | 92 | | 1 | 92 | 30-130 | 02/09/2009 1525 |
| Anthracene | 100 | 80 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| Benzo(a)anthracene | 100 | 83 | | 1 | 83 | 30-130 | 02/09/2009 1525 |
| Benzo(a)pyrene | 100 | 110 | | 1 | 107 | 30-130 | 02/09/2009 1525 |
| Benzo(b)fluoranthene | 100 | 83 | | 1 | 83 | 30-130 | 02/09/2009 1525 |
| Benzo(g,h,i)perylene | 100 | 79 | | 1 | 79 | 30-130 | 02/09/2009 1525 |
| Benzo(k)fluoranthene | 100 | 97 | | 1 | 97 | 30-130 | 02/09/2009 1525 |
| bis(2-Chloroethoxy)methane | 100 | 81 | | 1 | 81 | 30-130 | 02/09/2009 1525 |
| bis(2-Chloroethyl)ether | 100 | 78 | | 1 | 78 | 30-130 | 02/09/2009 1525 |
| bis(2-Chloroisopropyl)ether | 100 | 76 | | 1 | 76 | 30-130 | 02/09/2009 1525 |
| bis(2-Ethylhexyl)phthalate | 100 | 90 | | 1 | 90 | 30-130 | 02/09/2009 1525 |
| Butyl benzyl phthalate | 100 | 86 | | 1 | 86 | 30-130 | 02/09/2009 1525 |
| Carbazole | 100 | 71 | | 1 | 71 | 30-130 | 02/09/2009 1525 |
| Chrysene | 100 | 92 | | 1 | 92 | 30-130 | 02/09/2009 1525 |
| Di-n-butyl phthalate | 100 | 89 | | 1 | 89 | 30-130 | 02/09/2009 1525 |
| Di-n-octylphthalate | 100 | 96 | | 1 | 96 | 30-130 | 02/09/2009 1525 |
| Dibenzo(a,h)anthracene | 100 | 80 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| Dibenzofuran | 100 | 84 | | 1 | 84 | 30-130 | 02/09/2009 1525 |
| Diethylphthalate | 100 | 88 | | 1 | 88 | 30-130 | 02/09/2009 1525 |
| Dimethyl phthalate | 100 | 87 | | 1 | 87 | 30-130 | 02/09/2009 1525 |
| Fluoranthene | 100 | 85 | | 1 | 85 | 30-130 | 02/09/2009 1525 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - LCS

**Sample ID:** KQ94722-002
**Batch:** 94722
**Analytical Method:** 8270C
**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 02/06/2009 1620

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Fluorene | 100 | 87 | | 1 | 87 | 30-130 | 02/09/2009 1525 |
| Hexachlorobenzene | 100 | 82 | | 1 | 82 | 30-130 | 02/09/2009 1525 |
| Hexachlorobutadiene | 100 | 88 | | 1 | 88 | 30-130 | 02/09/2009 1525 |
| Hexachlorocyclopentadiene | 500 | 320 | | 1 | 64 | 30-130 | 02/09/2009 1525 |
| Hexachloroethane | 100 | 82 | | 1 | 82 | 30-130 | 02/09/2009 1525 |
| Indeno(1,2,3-c,d)pyrene | 100 | 80 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| Isophorone | 100 | 73 | | 1 | 73 | 30-130 | 02/09/2009 1525 |
| N-Nitrosodi-n-propylamine | 100 | 81 | | 1 | 81 | 30-130 | 02/09/2009 1525 |
| N-Nitrosodiphenylamine (Diphenylamine) | 100 | 110 | | 1 | 108 | 30-130 | 02/09/2009 1525 |
| Naphthalene | 100 | 80 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| Nitrobenzene | 100 | 84 | | 1 | 84 | 30-130 | 02/09/2009 1525 |
| Pentachlorophenol | 500 | 310 | | 1 | 62 | 30-130 | 02/09/2009 1525 |
| Phenanthrene | 100 | 85 | | 1 | 85 | 30-130 | 02/09/2009 1525 |
| Phenol | 100 | 77 | | 1 | 77 | 30-130 | 02/09/2009 1525 |
| Pyrene | 100 | 87 | | 1 | 87 | 30-130 | 02/09/2009 1525 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 81 | 41-144 |
| 2-Fluorobiphenyl | | 88 | 37-129 |
| 2-Fluorophenol | | 78 | 24-127 |
| Nitrobenzene-d5 | | 90 | 38-127 |
| Phenol-d5 | | 82 | 28-128 |
| Terphenyl-d14 | | 76 | 10-148 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - MB

**Sample ID:** KQ94617-001
**Batch:** 94617
**Analytical Method:** 8081A
**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 02/05/2009 1626

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | ND | | 1 | 0.025 | 0.0060 | ug/L | 02/11/2009 0020 |
| 4,4'-DDE | ND | | 1 | 0.025 | 0.0060 | ug/L | 02/11/2009 0020 |
| 4,4'-DDT | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Aldrin | ND | | 1 | 0.025 | 0.0020 | ug/L | 02/11/2009 0020 |
| alpha-BHC | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| alpha-Chlordane | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| beta-BHC | ND | | 1 | 0.025 | 0.019 | ug/L | 02/11/2009 0020 |
| delta-BHC | ND | | 1 | 0.025 | 0.0080 | ug/L | 02/11/2009 0020 |
| Dieldrin | ND | | 1 | 0.025 | 0.0040 | ug/L | 02/11/2009 0020 |
| Endosulfan I | ND | | 1 | 0.025 | 0.0060 | ug/L | 02/11/2009 0020 |
| Endosulfan II | ND | | 1 | 0.025 | 0.024 | ug/L | 02/11/2009 0020 |
| Endosulfan sulfate | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Endrin | ND | | 1 | 0.025 | 0.0050 | ug/L | 02/11/2009 0020 |
| Endrin aldehyde | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Endrin ketone | ND | | 1 | 0.025 | 0.0040 | ug/L | 02/11/2009 0020 |
| gamma-BHC (Lindane) | ND | | 1 | 0.025 | 0.0050 | ug/L | 02/11/2009 0020 |
| gamma-Chlordane | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Heptachlor | ND | | 1 | 0.025 | 0.020 | ug/L | 02/11/2009 0020 |
| Heptachlor epoxide | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Methoxychlor | ND | | 1 | 0.10 | 0.014 | ug/L | 02/11/2009 0020 |
| Toxaphene | ND | | 1 | 0.25 | 0.030 | ug/L | 02/11/2009 0020 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 85 | 10-156 |
| Tetrachloro-m-xylene | | 94 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - LCS

**Sample ID:** KQ94617-002
**Batch:** 94617
**Analytical Method:** 8081A
**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 02/05/2009 1626

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 0.50 | 0.43 | | 1 | 87 | 74-142 | 02/11/2009 0037 |
| 4,4'-DDE | 0.50 | 0.43 | | 1 | 86 | 66-143 | 02/11/2009 0037 |
| 4,4'-DDT | 0.50 | 0.46 | | 1 | 92 | 68-158 | 02/11/2009 0037 |
| Aldrin | 0.50 | 0.45 | | 1 | 90 | 67-135 | 02/11/2009 0037 |
| alpha-BHC | 0.50 | 0.42 | | 1 | 85 | 64-141 | 02/11/2009 0037 |
| beta-BHC | 0.50 | 0.39 | | 1 | 77 | 70-156 | 02/11/2009 0037 |
| delta-BHC | 0.50 | 0.43 | | 1 | 85 | 72-161 | 02/11/2009 0037 |
| Dieldrin | 0.50 | 0.44 | | 1 | 87 | 64-144 | 02/11/2009 0037 |
| Endosulfan I | 0.50 | 0.44 | | 1 | 87 | 78-138 | 02/11/2009 0037 |
| Endosulfan II | 0.50 | 0.43 | | 1 | 87 | 74-151 | 02/11/2009 0037 |
| Endosulfan sulfate | 0.50 | 0.41 | | 1 | 82 | 64-155 | 02/11/2009 0037 |
| Endrin | 0.50 | 0.41 | | 1 | 82 | 39-162 | 02/11/2009 0037 |
| Endrin aldehyde | 0.50 | 0.39 | | 1 | 79 | 68-152 | 02/11/2009 0037 |
| gamma-BHC (Lindane) | 0.50 | 0.44 | | 1 | 87 | 60-151 | 02/11/2009 0037 |
| Heptachlor | 0.50 | 0.46 | | 1 | 92 | 61-147 | 02/11/2009 0037 |
| Heptachlor epoxide | 0.50 | 0.46 | | 1 | 92 | 62-144 | 02/11/2009 0037 |
| Methoxychlor | 0.50 | 0.47 | | 1 | 95 | 64-158 | 02/11/2009 0037 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 96 | 10-156 |
| Tetrachloro-m-xylene | | 97 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - LCSD

**Sample ID:** KQ94617-003
**Batch:** 94617
**Analytical Method:** 8081A
**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 02/05/2009 1626

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 0.50 | 0.44 | | 1 | 88 | 2.1 | 74-142 | 30 | 02/11/2009 0055 |
| 4,4'-DDE | 0.50 | 0.42 | | 1 | 85 | 0.66 | 66-143 | 30 | 02/11/2009 0055 |
| 4,4'-DDT | 0.50 | 0.48 | | 1 | 96 | 3.5 | 68-158 | 30 | 02/11/2009 0055 |
| Aldrin | 0.50 | 0.44 | | 1 | 89 | 1.6 | 67-135 | 30 | 02/11/2009 0055 |
| alpha-BHC | 0.50 | 0.42 | | 1 | 85 | 0.12 | 64-141 | 30 | 02/11/2009 0055 |
| beta-BHC | 0.50 | 0.39 | | 1 | 78 | 1.3 | 70-156 | 30 | 02/11/2009 0055 |
| delta-BHC | 0.50 | 0.44 | | 1 | 88 | 2.7 | 72-161 | 30 | 02/11/2009 0055 |
| Dieldrin | 0.50 | 0.44 | | 1 | 89 | 1.4 | 64-144 | 30 | 02/11/2009 0055 |
| Endosulfan I | 0.50 | 0.44 | | 1 | 88 | 0.14 | 78-138 | 30 | 02/11/2009 0055 |
| Endosulfan II | 0.50 | 0.45 | | 1 | 90 | 3.4 | 74-151 | 30 | 02/11/2009 0055 |
| Endosulfan sulfate | 0.50 | 0.43 | | 1 | 85 | 3.9 | 64-155 | 30 | 02/11/2009 0055 |
| Endrin | 0.50 | 0.42 | | 1 | 83 | 1.9 | 39-162 | 30 | 02/11/2009 0055 |
| Endrin aldehyde | 0.50 | 0.45 | | 1 | 90 | 13 | 68-152 | 30 | 02/11/2009 0055 |
| gamma-BHC (Lindane) | 0.50 | 0.44 | | 1 | 88 | 0.91 | 60-151 | 30 | 02/11/2009 0055 |
| Heptachlor | 0.50 | 0.48 | | 1 | 96 | 3.8 | 61-147 | 30 | 02/11/2009 0055 |
| Heptachlor epoxide | 0.50 | 0.46 | | 1 | 92 | 0.0 | 62-144 | 30 | 02/11/2009 0055 |
| Methoxychlor | 0.50 | 0.50 | | 1 | 101 | 6.1 | 64-158 | 30 | 02/11/2009 0055 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 74 | 10-156 |
| Tetrachloro-m-xylene | | 96 | 40-130 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Herbicides by GC - MB

**Sample ID:** KQ94797-001
**Batch:** 94797
**Analytical Method:** 8151A

**Matrix:** Aqueous
**Prep Method:** 8151A
**Prep Date:** 02/09/2009 1451

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 2,4,5-T | ND | | 1 | 0.50 | 0.10 | ug/L | 02/12/2009 1329 |
| 2,4,5-TP (Silvex) | ND | | 1 | 0.50 | 0.10 | ug/L | 02/12/2009 1329 |
| 2,4-D | ND | | 1 | 2.0 | 0.40 | ug/L | 02/12/2009 1329 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 94 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Herbicides by GC - LCS

**Sample ID:** KQ94797-002
**Batch:** 94797
**Analytical Method:** 8151A

**Matrix:** Aqueous
**Prep Method:** 8151A
**Prep Date:** 02/09/2009 1451

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 2,4,5-T | 10 | 10 | | 1 | 101 | 56-125 | 02/12/2009 1353 |
| 2,4,5-TP (Silvex) | 10 | 10 | | 1 | 103 | 56-132 | 02/12/2009 1353 |
| 2,4-D | 10 | 11 | | 1 | 112 | 59-139 | 02/12/2009 1353 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 96 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - MB

**Sample ID:** KQ94881-001
**Batch:** 94881
**Analytical Method:** 8081A
**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 02/10/2009 2113

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | ND | | 1 | 0.025 | 0.0060 | ug/L | 02/11/2009 2253 |
| 4,4'-DDE | ND | | 1 | 0.025 | 0.0060 | ug/L | 02/11/2009 2253 |
| 4,4'-DDT | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 2253 |
| Aldrin | ND | | 1 | 0.025 | 0.0020 | ug/L | 02/11/2009 2253 |
| alpha-BHC | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 2253 |
| alpha-Chlordane | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 2253 |
| beta-BHC | ND | | 1 | 0.025 | 0.019 | ug/L | 02/11/2009 2253 |
| delta-BHC | ND | | 1 | 0.025 | 0.0080 | ug/L | 02/11/2009 2253 |
| Dieldrin | ND | | 1 | 0.025 | 0.0040 | ug/L | 02/11/2009 2253 |
| Endosulfan I | ND | | 1 | 0.025 | 0.0060 | ug/L | 02/11/2009 2253 |
| Endosulfan II | ND | | 1 | 0.025 | 0.024 | ug/L | 02/11/2009 2253 |
| Endosulfan sulfate | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 2253 |
| Endrin | ND | | 1 | 0.025 | 0.0050 | ug/L | 02/11/2009 2253 |
| Endrin aldehyde | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 2253 |
| Endrin ketone | ND | | 1 | 0.025 | 0.0040 | ug/L | 02/11/2009 2253 |
| gamma-BHC (Lindane) | ND | | 1 | 0.025 | 0.0050 | ug/L | 02/11/2009 2253 |
| gamma-Chlordane | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 2253 |
| Heptachlor | ND | | 1 | 0.025 | 0.020 | ug/L | 02/11/2009 2253 |
| Heptachlor epoxide | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 2253 |
| Methoxychlor | ND | | 1 | 0.10 | 0.014 | ug/L | 02/11/2009 2253 |
| Toxaphene | ND | | 1 | 0.25 | 0.030 | ug/L | 02/11/2009 2253 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 61 | 10-156 |
| Tetrachloro-m-xylene | | 84 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - LCS

**Sample ID:** KQ94881-002
**Batch:** 94881
**Analytical Method:** 8081A
**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 02/10/2009 2113

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 0.50 | 0.42 | | 1 | 85 | 74-142 | 02/11/2009 2310 |
| 4,4'-DDE | 0.50 | 0.36 | | 1 | 72 | 66-143 | 02/11/2009 2310 |
| 4,4'-DDT | 0.50 | 0.36 | | 1 | 72 | 68-158 | 02/11/2009 2310 |
| Aldrin | 0.50 | 0.38 | | 1 | 76 | 67-135 | 02/11/2009 2310 |
| alpha-BHC | 0.50 | 0.40 | | 1 | 80 | 64-141 | 02/11/2009 2310 |
| beta-BHC | 0.50 | 0.37 | | 1 | 75 | 70-156 | 02/11/2009 2310 |
| delta-BHC | 0.50 | 0.40 | | 1 | 81 | 72-161 | 02/11/2009 2310 |
| Dieldrin | 0.50 | 0.38 | | 1 | 76 | 64-144 | 02/11/2009 2310 |
| Endosulfan I | 0.50 | 0.37 | N | 1 | 75 | 78-138 | 02/11/2009 2310 |
| Endosulfan II | 0.50 | 0.36 | N | 1 | 73 | 74-151 | 02/11/2009 2310 |
| Endosulfan sulfate | 0.50 | 0.37 | | 1 | 74 | 64-155 | 02/11/2009 2310 |
| Endrin | 0.50 | 0.37 | | 1 | 74 | 39-162 | 02/11/2009 2310 |
| Endrin aldehyde | 0.50 | 0.35 | | 1 | 71 | 68-152 | 02/11/2009 2310 |
| gamma-BHC (Lindane) | 0.50 | 0.40 | | 1 | 80 | 60-151 | 02/11/2009 2310 |
| Heptachlor | 0.50 | 0.37 | | 1 | 74 | 61-147 | 02/11/2009 2310 |
| Heptachlor epoxide | 0.50 | 0.42 | | 1 | 84 | 62-144 | 02/11/2009 2310 |
| Methoxychlor | 0.50 | 0.42 | | 1 | 85 | 64-158 | 02/11/2009 2310 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 69 | 10-156 |
| Tetrachloro-m-xylene | | 92 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - LCSD

**Sample ID:** KQ94881-003
**Batch:** 94881
**Analytical Method:** 8081A
**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 02/10/2009 2113

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 0.50 | 0.44 | | 1 | 88 | 4.0 | 74-142 | 30 | 02/11/2009 2328 |
| 4,4'-DDE | 0.50 | 0.38 | | 1 | 76 | 5.1 | 66-143 | 30 | 02/11/2009 2328 |
| 4,4'-DDT | 0.50 | 0.37 | | 1 | 74 | 2.9 | 68-158 | 30 | 02/11/2009 2328 |
| Aldrin | 0.50 | 0.40 | | 1 | 80 | 4.3 | 67-135 | 30 | 02/11/2009 2328 |
| alpha-BHC | 0.50 | 0.41 | | 1 | 82 | 3.1 | 64-141 | 30 | 02/11/2009 2328 |
| beta-BHC | 0.50 | 0.39 | | 1 | 78 | 3.6 | 70-156 | 30 | 02/11/2009 2328 |
| delta-BHC | 0.50 | 0.42 | | 1 | 84 | 3.3 | 72-161 | 30 | 02/11/2009 2328 |
| Dieldrin | 0.50 | 0.40 | | 1 | 81 | 5.5 | 64-144 | 30 | 02/11/2009 2328 |
| Endosulfan I | 0.50 | 0.39 | | 1 | 78 | 4.4 | 78-138 | 30 | 02/11/2009 2328 |
| Endosulfan II | 0.50 | 0.39 | | 1 | 78 | 6.3 | 74-151 | 30 | 02/11/2009 2328 |
| Endosulfan sulfate | 0.50 | 0.39 | | 1 | 78 | 5.0 | 64-155 | 30 | 02/11/2009 2328 |
| Endrin | 0.50 | 0.38 | | 1 | 76 | 3.9 | 39-162 | 30 | 02/11/2009 2328 |
| Endrin aldehyde | 0.50 | 0.38 | | 1 | 75 | 6.4 | 68-152 | 30 | 02/11/2009 2328 |
| gamma-BHC (Lindane) | 0.50 | 0.41 | | 1 | 83 | 2.8 | 60-151 | 30 | 02/11/2009 2328 |
| Heptachlor | 0.50 | 0.39 | | 1 | 78 | 4.2 | 61-147 | 30 | 02/11/2009 2328 |
| Heptachlor epoxide | 0.50 | 0.43 | | 1 | 86 | 2.8 | 62-144 | 30 | 02/11/2009 2328 |
| Methoxychlor | 0.50 | 0.44 | | 1 | 88 | 4.2 | 64-158 | 30 | 02/11/2009 2328 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 68 | 10-156 |
| Tetrachloro-m-xylene | | 94 | 40-130 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# RCRA Metals - MB

**Sample ID:** KQ94906-001
**Batch:** 94906
**Analytical Method:** 6010B
**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 02/10/2009 1840

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 1 | 0.010 | 0.0040 | mg/L | 02/11/2009 1709 |
| Barium | ND | | 1 | 0.025 | 0.0075 | mg/L | 02/11/2009 1709 |
| Cadmium | ND | | 1 | 0.0020 | 0.00060 | mg/L | 02/11/2009 1709 |
| Chromium | ND | | 1 | 0.0050 | 0.0021 | mg/L | 02/11/2009 1709 |
| **Lead** | **0.0065** | **J** | **1** | **0.010** | **0.0019** | **mg/L** | **02/11/2009 1709** |
| **Selenium** | **0.0026** | **J** | **1** | **0.010** | **0.0026** | **mg/L** | **02/11/2009 1709** |
| **Silver** | **0.0044** | **J** | **1** | **0.0050** | **0.00040** | **mg/L** | **02/11/2009 1709** |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# RCRA Metals - LCS

**Sample ID:** KQ94906-002
**Batch:** 94906
**Analytical Method:** 6010B
**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 02/10/2009 1840

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Arsenic | 0.40 | 0.39 | | 1 | 98 | 80-120 | 02/11/2009 1715 |
| Barium | 2.0 | 1.8 | | 1 | 92 | 80-120 | 02/11/2009 1715 |
| Cadmium | 0.40 | 0.36 | | 1 | 91 | 80-120 | 02/11/2009 1715 |
| Chromium | 2.0 | 1.8 | | 1 | 92 | 80-120 | 02/11/2009 1715 |
| Lead | 0.40 | 0.38 | | 1 | 95 | 80-120 | 02/11/2009 1715 |
| Selenium | 0.40 | 0.38 | | 1 | 95 | 80-120 | 02/11/2009 1715 |
| Silver | 0.40 | 0.38 | | 1 | 96 | 80-120 | 02/11/2009 1715 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# RCRA Metals - LCSD

**Sample ID:** KQ94906-003
**Batch:** 94906
**Analytical Method:** 6010B
**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 02/10/2009 1840

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.40 | 0.41 | | 1 | 102 | 3.2 | 80-120 | 20 | 02/11/2009 1722 |
| Barium | 2.0 | 1.9 | | 1 | 95 | 2.3 | 80-120 | 20 | 02/11/2009 1722 |
| Cadmium | 0.40 | 0.37 | | 1 | 94 | 3.2 | 80-120 | 20 | 02/11/2009 1722 |
| Chromium | 2.0 | 1.9 | | 1 | 95 | 2.9 | 80-120 | 20 | 02/11/2009 1722 |
| Lead | 0.40 | 0.39 | | 1 | 97 | 2.7 | 80-120 | 20 | 02/11/2009 1722 |
| Selenium | 0.40 | 0.38 | | 1 | 96 | 0.99 | 80-120 | 20 | 02/11/2009 1722 |
| Silver | 0.40 | 0.39 | | 1 | 97 | 1.5 | 80-120 | 20 | 02/11/2009 1722 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# RCRA Metals - MS

**Sample ID:** KB04016-009MS
**Batch:** 94906
**Analytical Method:** 6010B
**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 02/10/2009 1840

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.0057 | 0.40 | 0.40 | | 1 | 97 | 75-125 | 02/11/2009 1933 |
| Barium | 0.042 | 2.0 | 1.9 | | 1 | 93 | 75-125 | 02/11/2009 1933 |
| Cadmium | ND | 0.40 | 0.36 | | 1 | 91 | 75-125 | 02/11/2009 1933 |
| Chromium | ND | 2.0 | 1.9 | | 1 | 93 | 75-125 | 02/11/2009 1933 |
| Lead | 0.0037 | 0.40 | 0.38 | | 1 | 94 | 75-125 | 02/11/2009 1933 |
| Selenium | ND | 0.40 | 0.38 | | 1 | 94 | 75-125 | 02/11/2009 1933 |
| Silver | 0.00067 | 0.40 | 0.38 | | 1 | 96 | 75-125 | 02/11/2009 1933 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# RCRA Metals - MSD

**Sample ID:** KB04016-009MD
**Batch:** 94906
**Analytical Method:** 6010B
**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 02/10/2009 1840

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.0057 | 0.40 | 0.40 | | 1 | 100 | 2.6 | 75-125 | 20 | 02/11/2009 1939 |
| Barium | 0.042 | 2.0 | 1.9 | | 1 | 94 | 1.6 | 75-125 | 20 | 02/11/2009 1939 |
| Cadmium | ND | 0.40 | 0.37 | | 1 | 93 | 1.6 | 75-125 | 20 | 02/11/2009 1939 |
| Chromium | ND | 2.0 | 1.9 | | 1 | 95 | 2.2 | 75-125 | 20 | 02/11/2009 1939 |
| Lead | 0.0037 | 0.40 | 0.39 | | 1 | 96 | 2.1 | 75-125 | 20 | 02/11/2009 1939 |
| Selenium | ND | 0.40 | 0.39 | | 1 | 97 | 2.4 | 75-125 | 20 | 02/11/2009 1939 |
| Silver | 0.00067 | 0.40 | 0.39 | | 1 | 98 | 1.9 | 75-125 | 20 | 02/11/2009 1939 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# RCRA Metals - MS

**Sample ID:** KB04016-010MS
**Batch:** 94906
**Analytical Method:** 6010B
**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 02/10/2009 1840

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | 0.40 | 0.40 | | 1 | 101 | 75-125 | 02/11/2009 2025 |
| Barium | 0.035 | 2.0 | 1.9 | | 1 | 94 | 75-125 | 02/11/2009 2025 |
| Cadmium | ND | 0.40 | 0.37 | | 1 | 92 | 75-125 | 02/11/2009 2025 |
| Chromium | ND | 2.0 | 1.9 | | 1 | 96 | 75-125 | 02/11/2009 2025 |
| Lead | ND | 0.40 | 0.39 | | 1 | 97 | 75-125 | 02/11/2009 2025 |
| Selenium | ND | 0.40 | 0.38 | | 1 | 96 | 75-125 | 02/11/2009 2025 |
| Silver | ND | 0.40 | 0.39 | | 1 | 97 | 75-125 | 02/11/2009 2025 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MB

**Sample ID:** KQ94916-001
**Batch:** 94916
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/10/2009 2214

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1 | 0.00010 | 0.000053 | mg/L | 02/11/2009 1826 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - LCS

**Sample ID:** KQ94916-002
**Batch:** 94916
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/10/2009 2214

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0020 | 0.0020 | | 1 | 98 | 85-115 | 02/11/2009 1827 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - LCSD

**Sample ID:** KQ94916-003
**Batch:** 94916
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/10/2009 2214

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.0020 | 0.0020 | | 1 | 98 | 0.051 | 85-115 | 20 | 02/11/2009 1828 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MS

**Sample ID:** KB04016-001MS
**Batch:** 94916
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/10/2009 2214

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Mercury | ND | 0.0020 | 0.0019 | | 1 | 96 | 85-115 | 02/11/2009 1848 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MSD

**Sample ID:** KB04016-001MD
**Batch:** 94916
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/10/2009 2214

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | 0.0020 | 0.0019 | | 1 | 96 | 0.63 | 85-115 | 20 | 02/11/2009 1849 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MS

**Sample ID:** KB04016-008MS
**Batch:** 94916
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/10/2009 2214

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Mercury | ND | 0.0020 | 0.0019 | | 1 | 96 | 85-115 | 02/11/2009 1901 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MB

**Sample ID:** KQ95148-001
**Batch:** 95148
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/13/2009 1915

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1 | 0.00010 | 0.000053 | mg/L | 02/14/2009 1210 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - LCS

**Sample ID:** KQ95148-002
**Batch:** 95148
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/13/2009 1915

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0020 | 0.0021 | | 1 | 107 | 85-115 | 02/14/2009 1211 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - LCSD

**Sample ID:** KQ95148-003
**Batch:** 95148
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/13/2009 1915

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.0020 | 0.0021 | | 1 | 106 | 1.4 | 85-115 | 20 | 02/14/2009 1213 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MS

**Sample ID:** KB04016-009MS
**Batch:** 95148
**Analytical Method:** 7470A
**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 02/13/2009 1915

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Mercury | ND | 0.0020 | 0.000016 | N | 1 | 0.81 | 85-115 | 02/14/2009 1218 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

ARCADIS

Laboratory Task Order No./P.O. No. GP08HAFS.H01A.NALCTM

# CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Project Number/Name Hunter Stewart

Project Location Savannah, GA

Laboratory Stealy

Project Manager Chuck Bertz

Sampler(s)/Affiliation Arcadis

KB040116

ANALYSIS / METHOD / SIZE

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | VOCs | SVOCs | Metals | Herbicides + Pesticides | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~COE-MW-02(020309)~~ | | | | | | | | | | | |
| COE-MW-03(020309) | L | 2-3-09 | | 3 | 2 | 1 | 3 | | | | 9 |
| ~~COE-MW-02(020309)~~ | | | | | | | | | | | 9 |
| COE-MW-02(020309) | L | 2-3-09 | | 3 | 2 | 1 | 3 | | | | |
| | | | | | | | | | | | |
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| | | | | | | | | | | | |

Total No. of Bottles/ Containers 18

Sample Matrix: L = Liquid; S = Solid; A = Air

| | | | | | | |
|---|---|---|---|---|---|---|
| Relinquished by: | | Organization: Arcadis | Date 2/3/09 | Time 1618 | Seal Intact? | |
| Received by: | | Organization: | Date / / | Time | Yes No (N/A) | |
| Relinquished by: | Colvin | Organization: FEDEX | Date 2/4/09 | Time 0940 | Seal Intact? | |
| Received by: | | Organization: Stealy Envl | Date 2/4/09 | Time 0940 | Yes No N/A | |

Special Instructions/Remarks: T = 3.3

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

AG 05-1241

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com



SHEALY ENVIRONMENTAL SERVICES, INC.

# ARCADIS

Hunter Stewart

Laboratory Task Order No./P.O. No. _____

## CHAIN-OF-CUSTODY RECORD

Page _____ of _____

Project Number/Name GPOBHAFS. HOIA. NALTM

Project Location Savannah, GA

Laboratory Shealy

Project Manager Chuck Bertz

Sampler(s)/Affiliation Arcadis

RB040114

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | ANALYSIS / METHOD / SIZE: VOCs | SVOCs | Metals | Pesticides + Herbicides | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HMW-14R(020309) | L | 2-3-09 | | 3 | 2 | 1 | 3 | | | | 9 |
| COE-MW-01(020309) | L | 2-3-09 | | 3 | 2 | 1 | 3 | | | | 9 |
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Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers 18

| | | | | | | |
|---|---|---|---|---|---|---|
| Relinquished by: | | Organization: Arcadis | Date 2/3/09 | Time 1200 | Seal Intact? | |
| Received by: | | Organization: | Date / / | Time | Yes No N/A | |
| Relinquished by: | Courier | Organization: FEDEX | Date 2/4/09 | Time 0946 | Seal Intact? | |
| Received by: | | Organization: FEDEX | Date 2/4/09 | Time 0946 | Yes No N/A | |

Special Instructions/Remarks: T = 2.8

Delivery Method: ☐ In Person ☐ Common Carrier FEDEX (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-1241

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6


Replaces Date: 09/22/06
Effective Date: 05/29/07

# Sample Receipt Checklist (SRC)

Client: Arcadis  Cooler Inspected by/date: EH / 2/4/09 Lot #: KB04016

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

| | | | |
|---|---|---|---|
| Yes ☑ | No ☐ | NA ☐ | 1. Were custody seals present on the cooler? |
| Yes ☑ | No ☐ | NA ☐ | 2. If custody seals were present, were they intact and unbroken? |

Cooler ID/temperature upon receipt 3.3 °C 2.8 °C / °C / °C / °C / °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

| | | | |
|---|---|---|---|
| Yes ☐ | No ☐ | NA ☑ | 3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately. |
| Yes ☑ | No ☐ | NA ☐ | 4. Is the commercial courier's packing slip attached to this form? |
| Yes ☐ | No ☑ | NA ☐ | 5. Were proper custody procedures (relinquished/received) followed? |
| Yes ☑ | No ☐ | NA ☐ | 6. Were sample IDs listed? |
| Yes ☐ | No ☑ | NA ☐ | 7. Was collection date & time listed? taken fr. bottle labels |
| Yes ☑ | No ☐ | NA ☐ | 8. Were tests to be performed listed on the COC or was quote # provided? |
| Yes ☑ | No ☐ | NA ☐ | 9. Did all samples arrive in the proper containers for each test? |
| Yes ☑ | No ☐ | NA ☐ | 10. Did all container label information (ID, date, time) agree with COC? |
| Yes ☐ | No ☑ | NA ☐ | 11. Did all containers arrive in good condition (unbroken, lids on, etc.)? |
| Yes ☑ | No ☐ | NA ☐ | 12. Was adequate sample volume available? |
| Yes ☑ | No ☐ | NA ☐ | 13. Were all samples received within ½ the holding time or 48 hours, whichever comes first? |
| Yes ☐ | No ☑ | NA ☐ | 14. Were any samples containers missing? |
| Yes ☑ | No ☐ | NA ☐ | 15. Were there any excess samples not listed on COC? Trip Blank |
| Yes ☐ | No ☑ | NA ☐ | 16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials? |
| Yes ☑ | No ☐ | NA ☐ | 17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2? |
| Yes ☐ | No ☐ | NA ☑ | 18. Were all cyanide and/or sulfide samples received at a pH >12? |
| Yes ☐ | No ☐ | NA ☑ | 19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine? |
| Yes ☐ | No ☐ | NA ☑ | 20. Were collection temperatures documented on the COC for NC samples? |

**Sample Preservation** (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ ($H_2SO_4$,$HNO_3$,HCl,NaOH) with the SR # (number) _____

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

**Corrective Action taken, if necessary:**

Was client notified: Yes ☐ No ☐  Did client respond: Yes ☐ No ☐

SESI employee: _____  Date of response: _____

Comments: -004 1 VOC vial vacd broken

# ARCADIS

Laboratory Task Order No./P.O. No. ____

## CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name GPOBHAPS. HOIA. NAUTA

Project Location Hunter - Stewart Savannah, GA

Laboratory Shealy

Project Manager Chuck Bartz

Sampler(s)/Affiliation Arcadis

KB04016

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | ANALYSIS / METHOD / SIZE: VOCs | SVOCs | Metals | Pesticides + Herbicides | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HMW-21 (020409) | L | 2-4-09/1205 | | 2 | 2 | 1 | 3 | | | | 8 |
| COE-MW-06 (020409) | L | 2-4-09/1116 | | 3 | 2 | 1 | 3 | | | | 9 |
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Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 17

| | | | | | | |
|---|---|---|---|---|---|---|
| Relinquished by: | | Organization: Arcadis | Date 2/4/09 | Time 1245 | Seal Intact? | |
| Received by: | | Organization: | Date / / | Time | Yes No (N/A) | |
| Relinquished by: | Courier | Organization: FEDEX | Date 2/5/09 | Time 0935 | Seal Intact? | |
| Received by: | | Organization: Shealy Envl | Date 2/5/09 | Time 0935 | (Yes) No N/A | |

Special Instructions/Remarks: T = 3.0

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

AG 03-12001

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# ARCADIS

Laboratory Task Order No./P.O. No. _____

## CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Project Number/Name GPOBHAFS, HOIA, WALTM

Project Location HAA-001/DAACG AREA

Laboratory Shealy ENVIRONmental

Project Manager Chuck Bertz

Sampler(s)/Affiliation John O'Brien

KB04016

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | ANALYSIS / METHOD / SIZE: VOCs-8260B Hom. HCl/<4°C | SVOCs-8270C 1 lt Amberglass <4°C | Herbicides/Pesticides 1 lt amber glass <4°C | metals 500ml plastic Nitric Acid | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| COE-MW-09(020409) | L | 2-4-09/0805 | | 3 | 2 | 3 | 1 | | | | |
| COE-MW-07(020409) | L | 2-4-09/0900 | | 3 | 2 | 3 | 1 | | | | |
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Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers

| | | | | | | |
|---|---|---|---|---|---|---|
| Relinquished by: | | Organization: ARCADIS | Date 2/4/09 | Time 1000 | Seal Intact? | |
| Received by: | | Organization: | Date / / | Time | Yes No N/A | |
| Relinquished by: | | Organization: FEDEX | Date 2/5/09 | Time 0935 | Seal Intact? | |
| Received by: | | Organization: Shealy Envl | Date 2/5/09 | Time 0935 | Yes No N/A | |

Special Instructions/Remarks: T = 2.5°

Delivery Method: ☐ In Person ☐ Common Carrier FEDEX (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

ARCADIS

Laboratory Task Order No./P.O. No. _____

# CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name GP08 HAFS. H01A. NALTM

Project Location Hunter Stewart – Savannah, GA

Laboratory SLealy

Project Manager Chuck Bayta

Sampler(s)/Affiliation Arcadis

KB040116

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | ANALYSIS / METHOD / SIZE: VOCs | SVOCs | Metals | Pesticides + Herbicides | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| COE-MW-05(020409) | L | 2-4-09/ | 1005 | 3 | 2 | 1 | 3 | | | | 9 |
| COE-MW-04(020409) | L | 2-4-09/ | 0825 | 3 | 2 | 1 | 3 | | | | 9 |
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Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers 18

| | | | | | | |
|---|---|---|---|---|---|---|
| Relinquished by: | | Organization: Arcadis | Date 2/4/09 | Time 1245 | Seal Intact? | |
| Received by: | | Organization: | Date / / | Time | Yes No (N/A) | |
| Relinquished by: FEDEX | | Organization: FEDEX | Date 2/5/09 | Time 0935 | Seal Intact? | |
| Received by: | | Organization: Shealy Envl | Date 2/5/09 | Time 0935 | (Yes) No N/A | |

Special Instructions/Remarks: T = 3.1°

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05 12/07

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SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6


Replaces Date: 09/22/06
Effective Date: 05/29/07

# Sample Receipt Checklist (SRC)

Client: Arcadis  Cooler Inspected by/date: EC / 2/5/09  Lot #: KB04016

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

| | | | |
|---|---|---|---|
| Yes ☑ | No ☐ | NA ☐ | 1. Were custody seals present on the cooler? |
| Yes ☑ | No ☐ | NA ☐ | 2. If custody seals were present, were they intact and unbroken? |

Cooler ID/temperature upon receipt 3.0 °C 2.5 °C 3.1 °C / °C / °C / °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

| | | | |
|---|---|---|---|
| Yes ☐ | No ☐ | NA ☑ | 3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately. |
| Yes ☑ | No ☐ | NA ☐ | 4. Is the commercial courier's packing slip attached to this form? |
| Yes ☐ | No ☑ | NA ☐ | 5. Were proper custody procedures (relinquished/received) followed? |
| Yes ☑ | No ☐ | NA ☐ | 6. Were sample IDs listed? |
| Yes ☑ | No ☐ | NA ☐ | 7. Was collection date & time listed? |
| Yes ☑ | No ☐ | NA ☐ | 8. Were tests to be performed listed on the COC or was quote # provided? |
| Yes ☑ | No ☐ | NA ☐ | 9. Did all samples arrive in the proper containers for each test? |
| Yes ☑ | No ☐ | NA ☐ | 10. Did all container label information (ID, date, time) agree with COC? |
| Yes ☑ | No ☐ | NA ☐ | 11. Did all containers arrive in good condition (unbroken, lids on, etc.)? |
| Yes ☑ | No ☐ | NA ☐ | 12. Was adequate sample volume available? |
| Yes ☑ | No ☐ | NA ☐ | 13. Were all samples received within ½ the holding time or 48 hours, whichever comes first? |
| Yes ☐ | No ☑ | NA ☐ | 14. Were any samples containers missing? |
| Yes ☑ | No ☐ | NA ☐ | 15. Were there any excess samples not listed on COC? Trip Blank VOA |
| Yes ☐ | No ☑ | NA ☐ | 16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials? |
| Yes ☑ | No ☐ | NA ☐ | 17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2? |
| Yes ☐ | No ☐ | NA ☑ | 18. Were all cyanide and/or sulfide samples received at a pH >12? |
| Yes ☐ | No ☐ | NA ☑ | 19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine? |
| Yes ☐ | No ☐ | NA ☑ | 20. Were collection temperatures documented on the COC for NC samples? |

**Sample Preservation** (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ ($H_2SO_4$,$HNO_3$,HCl,NaOH) with the SR # (number)

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

**Corrective Action taken, if necessary:**

Was client notified: Yes ☐ No ☐  Did client respond: Yes ☐ No ☐

SESI employee: _____  Date of response: _____

Comments: _____

# Report of Analysis

ARCADIS U.S., Inc.
30 Patewood Drive
Suite 155
Greenville, SC 29615
Attention: Janet Christy

Project Name: Hunter Stewart

Project Number: GP08HAFS.H01A.NALTM

Lot Number: KB04015

Date Completed: 02/16/2009

Date Revised: 03/04/2009

Michael Casalena
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

*KB04015*

# Case Narrative
## ARCADIS U.S., Inc.
### Lot Number: KB04015

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

# Sample Summary

## ARCADIS U.S., Inc.

Lot Number: KB04015

| Sample Number | Sample ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| 001 | HMW-09 (020309) | Aqueous | 02/03/2009 0825 | 02/04/2009 |
| 002 | HMW-08 (020309) | Aqueous | 02/03/2009 0905 | 02/04/2009 |
| 003 | Trip Blank2 (020309) | Aqueous | 02/03/2009 | 02/04/2009 |
| 004 | HMW-11 (020309) | Aqueous | 02/03/2009 1330 | 02/04/2009 |
| 005 | HMW-06 (020309) | Aqueous | 02/03/2009 1430 | 02/04/2009 |
| 006 | HMW-23 (020309) | Aqueous | 02/03/2009 1200 | 02/04/2009 |
| 007 | HMW-24 (020309) | Aqueous | 02/03/2009 1245 | 02/04/2009 |
| 008 | HMW-04 (020309) | Aqueous | 02/03/2009 0950 | 02/04/2009 |
| 009 | HMW-10 (020309) | Aqueous | 02/03/2009 1040 | 02/04/2009 |
| 010 | HMW-02 (020209) | Aqueous | 02/02/2009 1110 | 02/04/2009 |
| 011 | HMW-13 (020209) | Aqueous | 02/02/2009 1145 | 02/04/2009 |
| 012 | Trip Blank1 (020209) | Aqueous | 02/02/2009 | 02/04/2009 |

(12 samples)

# Executive Summary

## ARCADIS U.S., Inc.

### Lot Number: KB04015

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 001 | HMW-09 (020309) | Aqueous | Benzene | 8260B | 1.5 | | ug/L | 7 |
| 001 | HMW-09 (020309) | Aqueous | Chloroform | 8260B | 0.40 | J | ug/L | 7 |
| 001 | HMW-09 (020309) | Aqueous | Cyclohexane | 8260B | 6.4 | | ug/L | 7 |
| 001 | HMW-09 (020309) | Aqueous | Ethylbenzene | 8260B | 2.2 | | ug/L | 7 |
| 001 | HMW-09 (020309) | Aqueous | Isopropylbenzene | 8260B | 5.8 | | ug/L | 7 |
| 001 | HMW-09 (020309) | Aqueous | Methylcyclohexane | 8260B | 2.4 | J | ug/L | 7 |
| 001 | HMW-09 (020309) | Aqueous | Tetrachloroethene | 8260B | 0.16 | J | ug/L | 7 |
| 001 | HMW-09 (020309) | Aqueous | 1,2,4-Trichlorobenzene | 8260B | 0.21 | J | ug/L | 7 |
| 001 | HMW-09 (020309) | Aqueous | Xylenes (total) | 8260B | 0.46 | J | ug/L | 8 |
| 001 | HMW-09 (020309) | Aqueous | 2,4,5-T | 8151A | 2.6 | P | ug/L | 11 |
| 001 | HMW-09 (020309) | Aqueous | 2,4,5-TP (Silvex) | 8151A | 14 | P | ug/L | 11 |
| 001 | HMW-09 (020309) | Aqueous | beta-BHC | 8081A | 0.50 | P | ug/L | 12 |
| 001 | HMW-09 (020309) | Aqueous | gamma-BHC (Lindane) | 8081A | 0.17 | P | ug/L | 12 |
| 001 | HMW-09 (020309) | Aqueous | 4,4'-DDT | 8081A | 0.027 | JP | ug/L | 12 |
| 001 | HMW-09 (020309) | Aqueous | Heptachlor epoxide | 8081A | 2.5 | P | ug/L | 12 |
| 001 | HMW-09 (020309) | Aqueous | Arsenic | 6010B | 0.0062 | J | mg/L | 14 |
| 001 | HMW-09 (020309) | Aqueous | Barium | 6010B | 0.038 | | mg/L | 14 |
| 001 | HMW-09 (020309) | Aqueous | Lead | 6010B | 0.0046 | J | mg/L | 14 |
| 001 | HMW-09 (020309) | Aqueous | Selenium | 6010B | 0.0031 | J | mg/L | 14 |
| 001 | HMW-09 (020309) | Aqueous | Silver | 6010B | 0.0012 | J | mg/L | 14 |
| 002 | HMW-08 (020309) | Aqueous | Barium | 6010B | 0.033 | | mg/L | 22 |
| 002 | HMW-08 (020309) | Aqueous | Lead | 6010B | 0.0027 | J | mg/L | 22 |
| 002 | HMW-08 (020309) | Aqueous | Silver | 6010B | 0.00056 | J | mg/L | 22 |
| 004 | HMW-11 (020309) | Aqueous | Acetone | 8260B | 3.4 | J | ug/L | 25 |
| 004 | HMW-11 (020309) | Aqueous | Benzene | 8260B | 0.84 | | ug/L | 25 |
| 004 | HMW-11 (020309) | Aqueous | Isopropylbenzene | 8260B | 0.13 | J | ug/L | 25 |
| 004 | HMW-11 (020309) | Aqueous | Xylenes (total) | 8260B | 0.21 | J | ug/L | 26 |
| 004 | HMW-11 (020309) | Aqueous | 2,4-D | 8151A | 1.7 | JP | ug/L | 29 |
| 004 | HMW-11 (020309) | Aqueous | Aldrin | 8081A | 0.067 | P | ug/L | 30 |
| 004 | HMW-11 (020309) | Aqueous | beta-BHC | 8081A | 0.024 | J | ug/L | 30 |
| 004 | HMW-11 (020309) | Aqueous | Heptachlor epoxide | 8081A | 0.043 | P | ug/L | 30 |
| 004 | HMW-11 (020309) | Aqueous | Mercury | 7470A | 0.00010 | | mg/L | 31 |
| 004 | HMW-11 (020309) | Aqueous | Barium | 6010B | 0.048 | | mg/L | 32 |
| 004 | HMW-11 (020309) | Aqueous | Lead | 6010B | 0.0028 | J | mg/L | 32 |
| 005 | HMW-06 (020309) | Aqueous | Benzene | 8260B | 5.9 | | ug/L | 33 |
| 005 | HMW-06 (020309) | Aqueous | Cyclohexane | 8260B | 3.6 | | ug/L | 33 |
| 005 | HMW-06 (020309) | Aqueous | 1,2-Dichlorobenzene | 8260B | 0.29 | J | ug/L | 33 |
| 005 | HMW-06 (020309) | Aqueous | cis-1,2-Dichloroethene | 8260B | 0.22 | J | ug/L | 33 |
| 005 | HMW-06 (020309) | Aqueous | Ethylbenzene | 8260B | 0.67 | | ug/L | 33 |
| 005 | HMW-06 (020309) | Aqueous | 2-Hexanone | 8260B | 0.89 | J | ug/L | 33 |
| 005 | HMW-06 (020309) | Aqueous | Isopropylbenzene | 8260B | 6.7 | | ug/L | 33 |
| 005 | HMW-06 (020309) | Aqueous | Vinyl chloride | 8260B | 0.32 | J | ug/L | 34 |
| 005 | HMW-06 (020309) | Aqueous | Xylenes (total) | 8260B | 0.32 | J | ug/L | 34 |
| 005 | HMW-06 (020309) | Aqueous | 2-Methylnaphthalene | 8270C | 4.3 | J | ug/L | 36 |
| 005 | HMW-06 (020309) | Aqueous | Naphthalene | 8270C | 22 | | ug/L | 36 |

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 005 | HMW-06 (020309) | Aqueous | Heptachlor epoxide | 8081A | 0.026 | JP | ug/L | 38 |
| 005 | HMW-06 (020309) | Aqueous | Barium | 6010B | 0.022 | J | mg/L | 40 |
| 005 | HMW-06 (020309) | Aqueous | Lead | 6010B | 0.0038 | J | mg/L | 40 |
| 006 | HMW-23 (020309) | Aqueous | Benzene | 8260B | 0.36 | J | ug/L | 41 |
| 006 | HMW-23 (020309) | Aqueous | Cyclohexane | 8260B | 0.34 | J | ug/L | 41 |
| 006 | HMW-23 (020309) | Aqueous | 1,2-Dichlorobenzene | 8260B | 0.46 | J | ug/L | 41 |
| 006 | HMW-23 (020309) | Aqueous | Ethylbenzene | 8260B | 2.6 | | ug/L | 41 |
| 006 | HMW-23 (020309) | Aqueous | 2-Hexanone | 8260B | 2.8 | J | ug/L | 41 |
| 006 | HMW-23 (020309) | Aqueous | Isopropylbenzene | 8260B | 14 | | ug/L | 41 |
| 006 | HMW-23 (020309) | Aqueous | 2-Methylnaphthalene | 8270C | 8.7 | | ug/L | 44 |
| 006 | HMW-23 (020309) | Aqueous | Naphthalene | 8270C | 63 | | ug/L | 44 |
| 006 | HMW-23 (020309) | Aqueous | 2,4,5-T | 8151A | 0.25 | J | ug/L | 45 |
| 006 | HMW-23 (020309) | Aqueous | Aldrin | 8081A | 0.11 | P | ug/L | 46 |
| 006 | HMW-23 (020309) | Aqueous | beta-BHC | 8081A | 0.077 | | ug/L | 46 |
| 006 | HMW-23 (020309) | Aqueous | gamma-BHC (Lindane) | 8081A | 0.025 | JP | ug/L | 46 |
| 006 | HMW-23 (020309) | Aqueous | alpha-Chlordane | 8081A | 0.046 | P | ug/L | 46 |
| 006 | HMW-23 (020309) | Aqueous | gamma-Chlordane | 8081A | 2.2 | P | ug/L | 46 |
| 006 | HMW-23 (020309) | Aqueous | 4,4'-DDE | 8081A | 0.010 | J | ug/L | 46 |
| 006 | HMW-23 (020309) | Aqueous | Endosulfan I | 8081A | 0.034 | P | ug/L | 46 |
| 006 | HMW-23 (020309) | Aqueous | Barium | 6010B | 0.040 | | mg/L | 48 |
| 006 | HMW-23 (020309) | Aqueous | Lead | 6010B | 0.0027 | J | mg/L | 48 |
| 006 | HMW-23 (020309) | Aqueous | Selenium | 6010B | 0.0042 | J | mg/L | 48 |
| 006 | HMW-23 (020309) | Aqueous | Silver | 6010B | 0.0025 | J | mg/L | 48 |
| 007 | HMW-24 (020309) | Aqueous | Benzene | 8260B | 140 | | ug/L | 49 |
| 007 | HMW-24 (020309) | Aqueous | Cyclohexane | 8260B | 47 | | ug/L | 49 |
| 007 | HMW-24 (020309) | Aqueous | 1,2-Dichlorobenzene | 8260B | 0.66 | | ug/L | 49 |
| 007 | HMW-24 (020309) | Aqueous | Ethylbenzene | 8260B | 32 | | ug/L | 49 |
| 007 | HMW-24 (020309) | Aqueous | 2-Hexanone | 8260B | 5.6 | J | ug/L | 49 |
| 007 | HMW-24 (020309) | Aqueous | Isopropylbenzene | 8260B | 19 | | ug/L | 49 |
| 007 | HMW-24 (020309) | Aqueous | Methylcyclohexane | 8260B | 12 | | ug/L | 49 |
| 007 | HMW-24 (020309) | Aqueous | Toluene | 8260B | 0.65 | | ug/L | 49 |
| 007 | HMW-24 (020309) | Aqueous | Xylenes (total) | 8260B | 47 | | ug/L | 50 |
| 007 | HMW-24 (020309) | Aqueous | 2-Methylnaphthalene | 8270C | 17 | | ug/L | 52 |
| 007 | HMW-24 (020309) | Aqueous | Naphthalene | 8270C | 95 | | ug/L | 52 |
| 007 | HMW-24 (020309) | Aqueous | 2,4,5-T | 8151A | 0.43 | J | ug/L | 53 |
| 007 | HMW-24 (020309) | Aqueous | Aldrin | 8081A | 0.082 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | alpha-BHC | 8081A | 0.052 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | beta-BHC | 8081A | 0.076 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | delta-BHC | 8081A | 0.057 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | gamma-BHC (Lindane) | 8081A | 0.026 | JP | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | alpha-Chlordane | 8081A | 0.077 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | gamma-Chlordane | 8081A | 1.0 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | 4,4'-DDD | 8081A | 0.056 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | 4,4'-DDE | 8081A | 0.044 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | Dieldrin | 8081A | 0.028 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | Endosulfan I | 8081A | 0.057 | P | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | Endrin | 8081A | 0.015 | JP | ug/L | 54 |
| 007 | HMW-24 (020309) | Aqueous | Heptachlor epoxide | 8081A | 0.17 | P | ug/L | 54 |

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 007 | HMW-24 (020309) | Aqueous | Barium | 6010B | 0.033 | | mg/L | 56 |
| 007 | HMW-24 (020309) | Aqueous | Silver | 6010B | 0.0020 | J | mg/L | 56 |
| 008 | HMW-04 (020309) | Aqueous | Isopropylbenzene | 8260B | 0.10 | J | ug/L | 57 |
| 008 | HMW-04 (020309) | Aqueous | Barium | 6010B | 0.032 | | mg/L | 64 |
| 008 | HMW-04 (020309) | Aqueous | Silver | 6010B | 0.0024 | J | mg/L | 64 |
| 009 | HMW-10 (020309) | Aqueous | Benzene | 8260B | 17 | | ug/L | 65 |
| 009 | HMW-10 (020309) | Aqueous | Cyclohexane | 8260B | 9.2 | | ug/L | 65 |
| 009 | HMW-10 (020309) | Aqueous | cis-1,2-Dichloroethene | 8260B | 0.32 | J | ug/L | 65 |
| 009 | HMW-10 (020309) | Aqueous | 1,2-Dichloropropane | 8260B | 0.28 | J | ug/L | 65 |
| 009 | HMW-10 (020309) | Aqueous | 2-Hexanone | 8260B | 3.2 | J | ug/L | 65 |
| 009 | HMW-10 (020309) | Aqueous | Isopropylbenzene | 8260B | 3.5 | | ug/L | 65 |
| 009 | HMW-10 (020309) | Aqueous | Methyl tertiary butyl ether (MTBE) | 8260B | 0.74 | | ug/L | 65 |
| 009 | HMW-10 (020309) | Aqueous | Methylcyclohexane | 8260B | 1.1 | J | ug/L | 65 |
| 009 | HMW-10 (020309) | Aqueous | Toluene | 8260B | 0.18 | J | ug/L | 65 |
| 009 | HMW-10 (020309) | Aqueous | Vinyl chloride | 8260B | 0.60 | | ug/L | 66 |
| 009 | HMW-10 (020309) | Aqueous | Xylenes (total) | 8260B | 0.69 | | ug/L | 66 |
| 009 | HMW-10 (020309) | Aqueous | Heptachlor epoxide | 8081A | 0.014 | JP | ug/L | 70 |
| 009 | HMW-10 (020309) | Aqueous | Barium | 6010B | 0.054 | | mg/L | 72 |
| 010 | HMW-02 (020209) | Aqueous | Mercury | 7470A | 0.00010 | | mg/L | 79 |
| 010 | HMW-02 (020209) | Aqueous | Barium | 6010B | 0.055 | | mg/L | 80 |
| 010 | HMW-02 (020209) | Aqueous | Chromium | 6010B | 0.0076 | | mg/L | 80 |
| 010 | HMW-02 (020209) | Aqueous | Lead | 6010B | 0.011 | | mg/L | 80 |
| 011 | HMW-13 (020209) | Aqueous | Acetone | 8260B | 4.2 | J | ug/L | 81 |
| 011 | HMW-13 (020209) | Aqueous | Benzene | 8260B | 52 | | ug/L | 81 |
| 011 | HMW-13 (020209) | Aqueous | Cyclohexane | 8260B | 76 | | ug/L | 81 |
| 011 | HMW-13 (020209) | Aqueous | Ethylbenzene | 8260B | 31 | | ug/L | 81 |
| 011 | HMW-13 (020209) | Aqueous | 2-Hexanone | 8260B | 11 | | ug/L | 81 |
| 011 | HMW-13 (020209) | Aqueous | Isopropylbenzene | 8260B | 51 | | ug/L | 81 |
| 011 | HMW-13 (020209) | Aqueous | Methylcyclohexane | 8260B | 78 | | ug/L | 81 |
| 011 | HMW-13 (020209) | Aqueous | Toluene | 8260B | 0.57 | | ug/L | 81 |
| 011 | HMW-13 (020209) | Aqueous | Xylenes (total) | 8260B | 38 | | ug/L | 82 |
| 011 | HMW-13 (020209) | Aqueous | Naphthalene | 8270C | 19 | | ug/L | 84 |
| 011 | HMW-13 (020209) | Aqueous | Aldrin | 8081A | 0.040 | P | ug/L | 86 |
| 011 | HMW-13 (020209) | Aqueous | beta-BHC | 8081A | 0.034 | P | ug/L | 86 |
| 011 | HMW-13 (020209) | Aqueous | gamma-Chlordane | 8081A | 0.75 | P | ug/L | 86 |
| 011 | HMW-13 (020209) | Aqueous | Heptachlor epoxide | 8081A | 0.024 | JP | ug/L | 86 |
| 011 | HMW-13 (020209) | Aqueous | Arsenic | 6010B | 0.0067 | J | mg/L | 88 |
| 011 | HMW-13 (020209) | Aqueous | Barium | 6010B | 0.018 | J | mg/L | 88 |
| 011 | HMW-13 (020209) | Aqueous | Chromium | 6010B | 0.0034 | J | mg/L | 88 |
| 011 | HMW-13 (020209) | Aqueous | Lead | 6010B | 0.0036 | J | mg/L | 88 |
| 011 | HMW-13 (020209) | Aqueous | Silver | 6010B | 0.0018 | J | mg/L | 88 |
| 012 | Trip Blank1 (020209) | Aqueous | Isopropylbenzene | 8260B | 0.16 | J | ug/L | 89 |

(135 detections)

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Description: HMW-09 (020309)
Date Sampled: 02/03/2009 0825
Date Received: 02/04/2009

Laboratory ID: KB04015-001
Matrix: Aqueous

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1033 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | 1.5 | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | 0.40 | J | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | 6.4 | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 2.2 | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | 5.8 | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | 2.4 | J | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | 0.16 | J | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | 0.21 | J | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-001
Description: HMW-09 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0825
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1033 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 0.46 | J | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 87 | 52-138 |
| Bromofluorobenzene | | 96 | 70-147 |
| Toluene-d8 | | 95 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-001
Description: HMW-09 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0825
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1543 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.9 | 1.0 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.9 | 1.3 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.9 | 4.9 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 29 | 3.5 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.9 | 0.70 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.9 | 0.59 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.9 | 0.70 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.9 | 0.94 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.9 | 1.2 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.9 | 1.5 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 12 | 3.9 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 29 | 1.4 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.9 | 2.0 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.9 | 1.9 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.9 | 0.95 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.9 | 1.8 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.9 | 1.5 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.9 | 1.5 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.9 | 1.6 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.9 | 1.9 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.9 | 0.82 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.9 | 2.0 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.9 | 2.0 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.9 | 1.5 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 29 | 3.0 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.9 | 2.2 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.9 | 2.0 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.9 | 1.6 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 29 | 9.5 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 29 | 5.6 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 12 | 4.5 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 12 | 4.0 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.9 | 2.0 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.9 | 1.6 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.9 | 1.6 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.9 | 1.6 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 29 | 4.7 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-001
Description: HMW-09 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0825
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1543 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.9 | 2.7 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.9 | 1.6 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.9 | 1.8 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.9 | 1.3 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 12 | 3.2 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.9 | 1.6 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.9 | 1.2 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.9 | 1.5 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 12 | 2.5 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 12 | 3.5 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 12 | 4.9 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.9 | 1.9 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 12 | 3.4 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 29 | 10 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 29 | 6.0 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.9 | 3.6 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.9 | 1.4 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.9 | 1.5 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 85 | 41-144 |
| 2-Fluorobiphenyl | | 87 | 37-129 |
| 2-Fluorophenol | | 78 | 24-127 |
| Nitrobenzene-d5 | | 87 | 38-127 |
| Phenol-d5 | | 79 | 28-128 |
| Terphenyl-d14 | | 62 | 10-148 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-001
Description: HMW-09 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0825
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 2 | 8151A | 8151A | 1 | 02/13/2009 1420 | ASB | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.2 | 0.44 | ug/L | 2 |
| 2,4,5-T | 93-76-5 | 8151A | 2.6 | P | 0.56 | 0.11 | ug/L | 2 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | 14 | P | 0.56 | 0.11 | ug/L | 2 |

| Surrogate | Q | Run 2 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 64 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-001
Description: HMW-09 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0825
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0112 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.029 | 0.0024 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.029 | 0.0035 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | 0.50 | P | 0.029 | 0.022 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.029 | 0.0094 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | 0.17 | P | 0.029 | 0.0059 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.029 | 0.0035 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.029 | 0.0035 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.029 | 0.0070 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.029 | 0.0070 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | 0.027 | JP | 0.029 | 0.0035 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.029 | 0.0047 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.029 | 0.0070 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.029 | 0.028 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.029 | 0.0035 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.029 | 0.0059 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.029 | 0.0035 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.029 | 0.0047 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.029 | 0.024 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | 2.5 | P | 0.029 | 0.0035 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.12 | 0.016 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.29 | 0.035 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 60 | 10-156 |
| Tetrachloro-m-xylene | | 73 | 40-130 |

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ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
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# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-001
Description: HMW-09 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0825
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1811 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-001
Description: HMW-09 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0825
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1457 | CDF | 02/10/2009 1840 | 94905 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | 0.0062 | J | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.038 | | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | 0.0046 | J | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | 0.0031 | J | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | 0.0012 | J | 0.0050 | 0.00040 | mg/L | 1 |

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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-002
Description: HMW-08 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0905
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1056 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

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B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-002
Description: HMW-08 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0905
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1056 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 88 | 52-138 |
| Bromofluorobenzene | | 97 | 70-147 |
| Toluene-d8 | | 97 | 76-125 |

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-002
Description: HMW-08 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0905
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1639 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 6.4 | 1.2 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 6.4 | 1.4 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 6.4 | 5.4 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 32 | 3.8 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 6.4 | 0.77 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 6.4 | 0.64 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 6.4 | 0.77 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 6.4 | 1.0 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 6.4 | 1.3 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 6.4 | 1.6 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 13 | 4.2 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 32 | 1.6 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 6.4 | 2.2 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 6.4 | 2.0 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 6.4 | 1.0 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 6.4 | 1.9 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 6.4 | 1.7 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 6.4 | 1.7 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 6.4 | 1.8 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 6.4 | 2.0 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 6.4 | 0.90 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 6.4 | 2.2 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 6.4 | 2.2 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 6.4 | 1.7 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 32 | 3.3 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 6.4 | 2.4 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 6.4 | 2.2 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 6.4 | 1.8 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 32 | 10 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 32 | 6.2 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 13 | 4.9 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 13 | 4.4 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 6.4 | 2.2 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 6.4 | 1.8 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 6.4 | 1.8 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 6.4 | 1.8 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 32 | 5.1 | ug/L | 1 |

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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-002
Description: HMW-08 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0905
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1639 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 6.4 | 2.9 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 6.4 | 1.8 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 6.4 | 1.9 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 6.4 | 1.4 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 13 | 3.5 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 6.4 | 1.8 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 6.4 | 1.3 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 6.4 | 1.7 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 13 | 2.7 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 13 | 3.8 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 13 | 5.4 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 6.4 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 13 | 3.7 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 32 | 12 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 32 | 6.5 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 6.4 | 4.0 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 6.4 | 1.5 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 6.4 | 1.7 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 78 | 41-144 |
| 2-Fluorobiphenyl | | 87 | 37-129 |
| 2-Fluorophenol | | 73 | 24-127 |
| Nitrobenzene-d5 | | 87 | 38-127 |
| Phenol-d5 | | 76 | 28-128 |
| Terphenyl-d14 | | 63 | 10-148 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-002
Description: HMW-08 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0905
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 2159 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.2 | 0.43 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.54 | 0.11 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.54 | 0.11 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 98 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Description: HMW-08 (020309)
Date Sampled: 02/03/2009 0905
Date Received: 02/04/2009

Laboratory ID: KB04015-002
Matrix: Aqueous

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0130 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.026 | 0.0021 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.026 | 0.020 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.026 | 0.0083 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.026 | 0.0052 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.026 | 0.0062 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.026 | 0.0062 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.026 | 0.0042 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.026 | 0.0062 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.026 | 0.025 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.026 | 0.0052 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.026 | 0.0042 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.026 | 0.021 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.26 | 0.031 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 68 | 10-156 |
| Tetrachloro-m-xylene | | 92 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-002
Description: HMW-08 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0905
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1812 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-002
Description: HMW-08 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0905
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1504 | CDF | 02/10/2009 1840 | 94905 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.033 | | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | 0.0027 | J | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | 0.00056 | J | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-003
Description: Trip Blank2 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1119 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-003
Description: Trip Blank2 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1119 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 93 | 52-138 |
| Bromofluorobenzene | | 98 | 70-147 |
| Toluene-d8 | | 99 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-004
Description: HMW-11 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1330
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1142 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | 3.4 | J | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | 0.84 | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | 0.13 | J | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-004
Description: HMW-11 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1330
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1142 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 0.21 | J | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 92 | 52-138 |
| Bromofluorobenzene | | 98 | 70-147 |
| Toluene-d8 | | 97 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-004
Description: HMW-11 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1330
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1658 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 6.2 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 6.2 | 5.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 31 | 3.7 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 6.2 | 0.75 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 6.2 | 0.62 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 6.2 | 0.75 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 6.2 | 1.0 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 12 | 4.1 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 31 | 1.5 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 6.2 | 1.0 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 6.2 | 1.9 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 6.2 | 0.88 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 31 | 3.2 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 6.2 | 2.4 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 31 | 10 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 31 | 6.0 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 12 | 4.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 12 | 4.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 31 | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-004
Description: HMW-11 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1330
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1658 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 6.2 | 2.9 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 6.2 | 1.9 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 12 | 3.4 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 12 | 2.6 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 12 | 3.8 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 12 | 5.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 12 | 3.6 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 31 | 11 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 31 | 6.4 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 6.2 | 3.9 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 85 | 41-144 |
| 2-Fluorobiphenyl | | 83 | 37-129 |
| 2-Fluorophenol | | 65 | 24-127 |
| Nitrobenzene-d5 | | 78 | 38-127 |
| Phenol-d5 | | 71 | 28-128 |
| Terphenyl-d14 | | 67 | 10-148 |

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-004
Description: HMW-11 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1330
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 1940 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | 1.7 | JP | 2.2 | 0.44 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.55 | 0.11 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.55 | 0.11 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 91 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Description: HMW-11 (020309)
Date Sampled: 02/03/2009 1330
Date Received: 02/04/2009

Laboratory ID: KB04015-004
Matrix: Aqueous

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0148 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | 0.067 | P | 0.025 | 0.0020 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | 0.024 | J | 0.025 | 0.019 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.025 | 0.0080 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.025 | 0.0060 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.025 | 0.024 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.025 | 0.0050 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.025 | 0.0030 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.025 | 0.0040 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.025 | 0.020 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | 0.043 | P | 0.025 | 0.0030 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.25 | 0.030 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 48 | 10-156 |
| Tetrachloro-m-xylene | | 74 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-004
Description: HMW-11 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1330
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1813 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | 0.00010 | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-004
Description: HMW-11 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1330
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1511 | CDF | 02/10/2009 1840 | 94905 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.048 | | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | 0.0028 | J | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-005
Description: HMW-06 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1430
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1205 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | 5.9 | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | 3.6 | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | 0.29 | J | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | 0.22 | J | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 0.67 | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | 0.89 | J | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | 6.7 | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-005
Description: HMW-06 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1430
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1205 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | 0.32 | J | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 0.32 | J | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 75 | 52-138 |
| Bromofluorobenzene | | 82 | 70-147 |
| Toluene-d8 | | 81 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-005
Description: HMW-06 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1430
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1717 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.7 | 1.0 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.7 | 1.3 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.7 | 4.8 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 29 | 3.4 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.7 | 0.69 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.7 | 0.57 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.7 | 0.69 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.7 | 0.92 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.7 | 1.1 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 11 | 3.8 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 29 | 1.4 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.7 | 1.8 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.7 | 0.93 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.7 | 1.7 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.7 | 1.8 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.7 | 0.80 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 29 | 3.0 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.7 | 2.2 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 29 | 9.3 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 29 | 5.5 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 11 | 4.4 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 11 | 3.9 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 29 | 4.6 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-005
Description: HMW-06 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1430
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1717 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.7 | 2.6 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | 4.3 | J | 5.7 | 1.7 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.7 | 1.3 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 11 | 3.1 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.7 | 1.1 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | 22 | | 5.7 | 1.5 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 11 | 2.4 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 11 | 3.4 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 11 | 4.8 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.7 | 1.8 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 11 | 3.3 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 29 | 10 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 29 | 5.9 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.7 | 3.6 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 81 | 41-144 |
| 2-Fluorobiphenyl | | 81 | 37-129 |
| 2-Fluorophenol | | 69 | 24-127 |
| Nitrobenzene-d5 | | 82 | 38-127 |
| Phenol-d5 | | 71 | 28-128 |
| Terphenyl-d14 | | 30 | 10-148 |

PQL = Practical quantitation limit
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-005
Description: HMW-06 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1430
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 2003 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 89 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Description: HMW-06 (020309)
Date Sampled: 02/03/2009 1430
Date Received: 02/04/2009

Laboratory ID: KB04015-005
Matrix: Aqueous

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0205 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.027 | 0.0022 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.027 | 0.0033 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.027 | 0.021 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.027 | 0.0088 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.027 | 0.0055 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.027 | 0.0033 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.027 | 0.0033 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.027 | 0.0066 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.027 | 0.0066 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.027 | 0.0033 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.027 | 0.0044 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.027 | 0.0066 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.027 | 0.026 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.027 | 0.0033 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.027 | 0.0055 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.027 | 0.0033 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.027 | 0.0044 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.027 | 0.022 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | 0.026 | JP | 0.027 | 0.0033 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.11 | 0.015 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.27 | 0.033 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 40 | 10-156 |
| Tetrachloro-m-xylene | | 80 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-005
Description: HMW-06 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1430
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1815 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-005
Description: HMW-06 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1430
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1517 | CDF | 02/10/2009 1840 | 94905 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.022 | J | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | 0.0038 | J | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-006
Description: HMW-23 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1200
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1228 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | 0.36 | J | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | 0.34 | J | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | 0.46 | J | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 2.6 | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | 2.8 | J | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | 14 | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-006
Description: HMW-23 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1200
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1228 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 95 | 52-138 |
| Bromofluorobenzene | | 101 | 70-147 |
| Toluene-d8 | | 98 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-006
Description: HMW-23 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1200
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1735 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 6.2 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 6.2 | 5.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 31 | 3.6 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 6.2 | 0.74 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 6.2 | 0.62 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 6.2 | 0.74 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 6.2 | 0.99 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 12 | 4.1 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 31 | 1.5 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 6.2 | 1.0 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 6.2 | 0.86 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 31 | 3.2 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 6.2 | 2.3 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 31 | 10 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 31 | 5.9 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 12 | 4.7 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 12 | 4.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 31 | 4.9 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-006
Description: HMW-23 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1200
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1735 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 6.2 | 2.8 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | 8.7 | | 6.2 | 1.8 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 12 | 3.3 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | 63 | | 6.2 | 1.6 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 12 | 2.6 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 12 | 3.7 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 12 | 5.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 12 | 3.6 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 31 | 11 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 31 | 6.3 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 6.2 | 3.8 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 90 | 41-144 |
| 2-Fluorobiphenyl | | 81 | 37-129 |
| 2-Fluorophenol | | 74 | 24-127 |
| Nitrobenzene-d5 | | 97 | 38-127 |
| Phenol-d5 | | 78 | 28-128 |
| Terphenyl-d14 | | 30 | 10-148 |

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-006
Description: HMW-23 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1200
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 2026 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.41 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | 0.25 | J | 0.51 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.51 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 89 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Description: HMW-23 (020309)
Date Sampled: 02/03/2009 1200
Date Received: 02/04/2009

Laboratory ID: KB04015-006
Matrix: Aqueous

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0223 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | 0.11 | P | 0.028 | 0.0022 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | 0.077 | | 0.028 | 0.021 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.028 | 0.0089 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | 0.025 | JP | 0.028 | 0.0056 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | 0.046 | P | 0.028 | 0.0033 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | 2.2 | P | 0.028 | 0.0033 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.028 | 0.0067 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | 0.010 | J | 0.028 | 0.0067 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.028 | 0.0044 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | 0.034 | P | 0.028 | 0.0067 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.028 | 0.027 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.028 | 0.0056 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.028 | 0.0044 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.028 | 0.022 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.11 | 0.016 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.28 | 0.033 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 14 | 10-156 |
| Tetrachloro-m-xylene | | 65 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-006
Description: HMW-23 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1200
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1816 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-006
Description: HMW-23 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1200
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1610 | CDF | 02/10/2009 1840 | 94905 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.040 | | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | 0.0027 | J | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | 0.0042 | J | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | 0.0025 | J | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-007
Description: HMW-24 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1245
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1251 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | 140 | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | 47 | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | 0.66 | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 32 | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | 5.6 | J | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | 19 | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | 12 | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | 0.65 | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-007
Description: HMW-24 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1245
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1251 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 47 | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 91 | 52-138 |
| Bromofluorobenzene | | 100 | 70-147 |
| Toluene-d8 | | 98 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-007
Description: HMW-24 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1245
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1754 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.7 | 1.0 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.7 | 1.3 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.7 | 4.8 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 29 | 3.4 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.7 | 0.69 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.7 | 0.57 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.7 | 0.69 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.7 | 0.92 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.7 | 1.1 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 11 | 3.8 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 29 | 1.4 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.7 | 1.8 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.7 | 0.93 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.7 | 1.7 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.7 | 1.8 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.7 | 0.80 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 29 | 3.0 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.7 | 2.2 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 29 | 9.3 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 29 | 5.5 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 11 | 4.4 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 11 | 3.9 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.7 | 2.0 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 29 | 4.6 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-007
Description: HMW-24 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1245
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1754 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.7 | 2.6 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | 17 | | 5.7 | 1.7 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.7 | 1.3 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 11 | 3.1 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.7 | 1.1 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | 95 | | 5.7 | 1.5 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 11 | 2.4 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 11 | 3.4 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 11 | 4.8 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.7 | 1.8 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 11 | 3.3 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 29 | 10 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 29 | 5.9 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.7 | 3.6 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 95 | 41-144 |
| 2-Fluorobiphenyl | | 85 | 37-129 |
| 2-Fluorophenol | | 74 | 24-127 |
| Nitrobenzene-d5 | | 92 | 38-127 |
| Phenol-d5 | | 73 | 28-128 |
| Terphenyl-d14 | | 37 | 10-148 |

PQL = Practical quantitation limit
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-007
Description: HMW-24 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1245
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 2049 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.1 | 0.42 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | 0.43 | J | 0.53 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.53 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 90 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-007
Description: HMW-24 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1245
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0241 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | 0.082 | P | 0.027 | 0.0022 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | 0.052 | P | 0.027 | 0.0033 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | 0.076 | P | 0.027 | 0.021 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | 0.057 | P | 0.027 | 0.0088 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | 0.026 | JP | 0.027 | 0.0055 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | 0.077 | P | 0.027 | 0.0033 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | 1.0 | P | 0.027 | 0.0033 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | 0.056 | P | 0.027 | 0.0066 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | 0.044 | P | 0.027 | 0.0066 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.027 | 0.0033 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | 0.028 | P | 0.027 | 0.0044 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | 0.057 | P | 0.027 | 0.0066 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.027 | 0.026 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.027 | 0.0033 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | 0.015 | JP | 0.027 | 0.0055 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.027 | 0.0033 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.027 | 0.0044 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.027 | 0.022 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | 0.17 | P | 0.027 | 0.0033 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.11 | 0.015 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.27 | 0.033 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 11 | 10-156 |
| Tetrachloro-m-xylene | | 72 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-007
Description: HMW-24 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1245
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1820 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-007
Description: HMW-24 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1245
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1623 | CDF | 02/10/2009 1840 | 94905 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.033 | | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | 0.0020 | J | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-008
Description: HMW-04 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0950
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1314 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | 0.10 | J | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-008
Description: HMW-04 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0950
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1314 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 92 | 52-138 |
| Bromofluorobenzene | | 100 | 70-147 |
| Toluene-d8 | | 100 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-008
Description: HMW-04 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0950
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1813 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 5.7 | 1.0 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 5.7 | 1.2 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 5.7 | 4.8 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 28 | 3.4 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 5.7 | 0.68 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 5.7 | 0.57 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 5.7 | 0.68 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 5.7 | 0.91 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 5.7 | 1.1 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 11 | 3.8 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 28 | 1.4 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 5.7 | 1.9 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 5.7 | 1.8 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 5.7 | 0.92 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 5.7 | 1.7 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 5.7 | 1.8 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 5.7 | 0.80 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 5.7 | 1.9 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 5.7 | 1.9 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 28 | 3.0 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 5.7 | 2.2 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 5.7 | 1.9 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 28 | 9.2 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 28 | 5.4 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 11 | 4.3 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 11 | 3.9 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 5.7 | 1.9 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 28 | 4.5 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-008
Description: HMW-04 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0950
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1813 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 5.7 | 2.6 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 5.7 | 1.7 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 5.7 | 1.2 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 11 | 3.1 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 5.7 | 1.6 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 5.7 | 1.1 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 11 | 2.4 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 11 | 3.4 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 11 | 4.8 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 5.7 | 1.8 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 11 | 3.3 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 28 | 10 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 28 | 5.8 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 5.7 | 3.5 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 5.7 | 1.4 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 5.7 | 1.5 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 83 | 41-144 |
| 2-Fluorobiphenyl | | 83 | 37-129 |
| 2-Fluorophenol | | 72 | 24-127 |
| Nitrobenzene-d5 | | 81 | 38-127 |
| Phenol-d5 | | 71 | 28-128 |
| Terphenyl-d14 | | 63 | 10-148 |

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-008
Description: HMW-04 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0950
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 2222 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.1 | 0.42 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.52 | 0.10 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.52 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 91 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Description: HMW-04 (020309)
Date Sampled: 02/03/2009 0950
Date Received: 02/04/2009

Laboratory ID: KB04015-008
Matrix: Aqueous

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0258 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.026 | 0.0021 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.026 | 0.020 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.026 | 0.0083 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.026 | 0.0052 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.026 | 0.0062 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.026 | 0.0062 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.026 | 0.0042 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.026 | 0.0062 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.026 | 0.025 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.026 | 0.0052 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.026 | 0.0042 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.026 | 0.021 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.026 | 0.0031 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.10 | 0.014 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.26 | 0.031 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 38 | 10-156 |
| Tetrachloro-m-xylene | | 86 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-008
Description: HMW-04 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0950
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1821 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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E = Quantitation of compound exceeded the calibration range
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N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-008
Description: HMW-04 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 0950
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1629 | CDF | 02/10/2009 1840 | 94905 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.032 | | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | 0.0024 | J | 0.0050 | 0.00040 | mg/L | 1 |

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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-009
Description: HMW-10 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1040
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1337 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | 17 | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | 9.2 | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | 0.32 | J | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | 0.28 | J | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | 3.2 | J | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | 3.5 | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | 0.74 | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | 1.1 | J | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | 0.18 | J | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-009
Description: HMW-10 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1040
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1337 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | 0.60 | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 0.69 | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 87 | 52-138 |
| Bromofluorobenzene | | 97 | 70-147 |
| Toluene-d8 | | 96 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-009
Description: HMW-10 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1040
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1832 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 6.2 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 6.2 | 5.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 31 | 3.6 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 6.2 | 0.74 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 6.2 | 0.62 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 6.2 | 0.74 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 6.2 | 0.99 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 12 | 4.1 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 31 | 1.5 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 6.2 | 1.0 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 6.2 | 0.86 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 31 | 3.2 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 6.2 | 2.3 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 31 | 10 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 31 | 5.9 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 12 | 4.7 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 12 | 4.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 31 | 4.9 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-009
Description: HMW-10 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1040
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1832 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 6.2 | 2.8 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 12 | 3.3 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 12 | 2.6 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 12 | 3.7 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 12 | 5.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 12 | 3.6 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 31 | 11 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 31 | 6.3 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 6.2 | 3.8 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 88 | 41-144 |
| 2-Fluorobiphenyl | | 85 | 37-129 |
| 2-Fluorophenol | | 78 | 24-127 |
| Nitrobenzene-d5 | | 91 | 38-127 |
| Phenol-d5 | | 77 | 28-128 |
| Terphenyl-d14 | | 51 | 10-148 |

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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-009
Description: HMW-10 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1040
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 2112 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.1 | 0.42 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.53 | 0.11 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.53 | 0.11 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 95 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-009
Description: HMW-10 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1040
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0316 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.028 | 0.0022 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.028 | 0.021 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.028 | 0.0089 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.028 | 0.0056 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.028 | 0.0067 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.028 | 0.0067 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.028 | 0.0044 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.028 | 0.0067 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.028 | 0.027 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.028 | 0.0056 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.028 | 0.0044 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.028 | 0.022 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | 0.014 | JP | 0.028 | 0.0033 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.11 | 0.016 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.28 | 0.033 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 38 | 10-156 |
| Tetrachloro-m-xylene | | 72 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-009
Description: HMW-10 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1040
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1822 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-009
Description: HMW-10 (020309)
Matrix: Aqueous
Date Sampled: 02/03/2009 1040
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1636 | CDF | 02/10/2009 1840 | 94905 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.054 | | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.010 | 0.0019 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-010
Description: HMW-02 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1110
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1401 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-010
Description: HMW-02 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1110
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1401 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 96 | 52-138 |
| Bromofluorobenzene | | 99 | 70-147 |
| Toluene-d8 | | 98 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-010
Description: HMW-02 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1110
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1850 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 6.2 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 6.2 | 5.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 31 | 3.6 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 6.2 | 0.74 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 6.2 | 0.62 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 6.2 | 0.74 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 6.2 | 0.99 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 12 | 4.1 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 31 | 1.5 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 6.2 | 1.0 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 6.2 | 0.86 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 31 | 3.2 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 6.2 | 2.3 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 31 | 10 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 31 | 5.9 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 12 | 4.7 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 12 | 4.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 31 | 4.9 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-010
Description: HMW-02 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1110
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1850 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 6.2 | 2.8 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 12 | 3.3 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 6.2 | 1.7 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 12 | 2.6 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 12 | 3.7 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 12 | 5.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 12 | 3.6 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 31 | 11 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 31 | 6.3 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 6.2 | 3.8 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 85 | 41-144 |
| 2-Fluorobiphenyl | | 85 | 37-129 |
| 2-Fluorophenol | | 76 | 24-127 |
| Nitrobenzene-d5 | | 86 | 38-127 |
| Phenol-d5 | | 76 | 28-128 |
| Terphenyl-d14 | | 63 | 10-148 |

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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-010
Description: HMW-02 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1110
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 2245 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.2 | 0.44 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.55 | 0.11 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.55 | 0.11 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 98 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Description: HMW-02 (020209)
Date Sampled: 02/02/2009 1110
Date Received: 02/04/2009

Laboratory ID: KB04015-010
Matrix: Aqueous

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0333 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | ND | | 0.028 | 0.0023 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.028 | 0.0034 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | ND | | 0.028 | 0.022 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.028 | 0.0091 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.028 | 0.0057 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.028 | 0.0034 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | ND | | 0.028 | 0.0034 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.028 | 0.0068 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.028 | 0.0068 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.028 | 0.0034 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.028 | 0.0045 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.028 | 0.0068 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.028 | 0.027 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.028 | 0.0034 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.028 | 0.0057 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.028 | 0.0034 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.028 | 0.0045 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.028 | 0.023 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | ND | | 0.028 | 0.0034 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.11 | 0.016 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.28 | 0.034 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 46 | 10-156 |
| Tetrachloro-m-xylene | | 93 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-010
Description: HMW-02 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1110
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1823 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | 0.00010 | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-010
Description: HMW-02 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1110
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1728 | CDF | 02/10/2009 1840 | 94906 |
| 2 | 3005A | 6010B | 1 | 02/14/2009 0144 | KJC | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.055 | | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | 0.0076 | | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | 0.011 | | 0.010 | 0.0019 | mg/L | 2 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-011
Description: HMW-13 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1145
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1424 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | 4.2 | J | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | 52 | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | 76 | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 31 | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | 11 | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | 51 | | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | 78 | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | 0.57 | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-011
Description: HMW-13 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1145
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1424 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 38 | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 91 | 52-138 |
| Bromofluorobenzene | | 101 | 70-147 |
| Toluene-d8 | | 94 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-011
Description: HMW-13 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1145
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1909 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270C | ND | | 6.2 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| Atrazine | 1912-24-9 | 8270C | ND | | 6.2 | 5.2 | ug/L | 1 |
| Benzaldehyde | 100-52-7 | 8270C | ND | | 31 | 3.7 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270C | ND | | 6.2 | 0.75 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270C | ND | | 6.2 | 0.62 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270C | ND | | 6.2 | 0.75 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270C | ND | | 6.2 | 1.0 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| 1,1'-Biphenyl | 92-52-4 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270C | ND | | 12 | 4.1 | ug/L | 1 |
| Caprolactam | 105-60-2 | 8270C | ND | | 31 | 1.5 | ug/L | 1 |
| Carbazole | 86-74-8 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270C | ND | | 6.2 | 1.0 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270C | ND | | 6.2 | 1.9 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| bis(2-Chloroisopropyl)ether | 108-60-1 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270C | ND | | 6.2 | 0.88 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270C | ND | | 31 | 3.2 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270C | ND | | 6.2 | 2.4 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270C | ND | | 31 | 10 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270C | ND | | 31 | 6.0 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270C | ND | | 12 | 4.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270C | ND | | 12 | 4.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270C | ND | | 6.2 | 2.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270C | ND | | 31 | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-011
Description: HMW-13 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1145
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270C | 1 | 02/09/2009 1909 | GLR | 02/06/2009 1620 | 94722 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 67-72-1 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270C | ND | | 6.2 | 2.9 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270C | ND | | 6.2 | 1.9 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270C | ND | | 6.2 | 1.4 | ug/L | 1 |
| 3 & 4-Methylphenol | 106-44-5 | 8270C | ND | | 12 | 3.4 | ug/L | 1 |
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270C | ND | | 6.2 | 1.8 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270C | ND | | 6.2 | 1.2 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270C | 19 | | 6.2 | 1.6 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270C | ND | | 12 | 2.6 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270C | ND | | 12 | 3.8 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270C | ND | | 12 | 5.2 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270C | ND | | 6.2 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270C | ND | | 12 | 3.6 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270C | ND | | 31 | 11 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270C | ND | | 31 | 6.4 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Phenol | 108-95-2 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270C | ND | | 6.2 | 3.9 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270C | ND | | 6.2 | 1.5 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270C | ND | | 6.2 | 1.6 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 91 | 41-144 |
| 2-Fluorobiphenyl | | 77 | 37-129 |
| 2-Fluorophenol | | 75 | 24-127 |
| Nitrobenzene-d5 | | 89 | 38-127 |
| Phenol-d5 | | 78 | 28-128 |
| Terphenyl-d14 | | 48 | 10-148 |

PQL = Practical quantitation limit
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ND = Not detected at or above the MDL
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P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Herbicides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-011
Description: HMW-13 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1145
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 02/12/2009 2135 | KLC | 02/09/2009 1451 | 94797 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | 94-75-7 | 8151A | ND | | 2.1 | 0.42 | ug/L | 1 |
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.53 | 0.11 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.53 | 0.11 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 89 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Organochlorine Pesticides by GC

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-011
Description: HMW-13 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1145
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081A | 1 | 02/11/2009 0351 | ASB | 02/05/2009 1626 | 94617 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081A | 0.040 | P | 0.028 | 0.0022 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081A | 0.034 | P | 0.028 | 0.021 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081A | ND | | 0.028 | 0.0089 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081A | ND | | 0.028 | 0.0056 | ug/L | 1 |
| alpha-Chlordane | 5103-71-9 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| gamma-Chlordane | 5103-74-2 | 8081A | 0.75 | P | 0.028 | 0.0033 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081A | ND | | 0.028 | 0.0067 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081A | ND | | 0.028 | 0.0067 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081A | ND | | 0.028 | 0.0044 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081A | ND | | 0.028 | 0.0067 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081A | ND | | 0.028 | 0.027 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Endrin | 72-20-8 | 8081A | ND | | 0.028 | 0.0056 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081A | ND | | 0.028 | 0.0033 | ug/L | 1 |
| Endrin ketone | 53494-70-5 | 8081A | ND | | 0.028 | 0.0044 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081A | ND | | 0.028 | 0.022 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081A | 0.024 | JP | 0.028 | 0.0033 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081A | ND | | 0.11 | 0.016 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081A | ND | | 0.28 | 0.033 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 16 | 10-156 |
| Tetrachloro-m-xylene | | 63 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# CVAA

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-011
Description: HMW-13 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1145
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 02/11/2009 1824 | KJC | 02/10/2009 2214 | 94915 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000053 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

# RCRA Metals

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-011
Description: HMW-13 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009 1145
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6010B | 1 | 02/11/2009 1735 | CDF | 02/10/2009 1840 | 94906 |
| 2 | 3005A | 6010B | 1 | 02/14/2009 0147 | KJC | 02/10/2009 1840 | 94906 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | 0.0067 | J | 0.010 | 0.0040 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | 0.018 | J | 0.025 | 0.0075 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | 0.00060 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | 0.0034 | J | 0.0050 | 0.0021 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | 0.0036 | J | 0.010 | 0.0019 | mg/L | 2 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.010 | 0.0026 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | 0.0018 | J | 0.0050 | 0.00040 | mg/L | 1 |

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-012
Description: Trip Blank1 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1447 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 10 | 3.3 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 0.50 | 0.027 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 0.50 | 0.010 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 0.50 | 0.20 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 2.0 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 0.50 | 0.097 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 0.50 | 0.085 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Cyclohexane | 110-82-7 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 0.50 | 0.069 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 0.50 | 0.061 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 0.50 | 0.070 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 0.50 | 0.054 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 0.50 | 0.023 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 0.50 | 0.079 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 0.50 | 0.094 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 0.50 | 0.087 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 0.50 | 0.081 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 0.50 | 0.18 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 0.50 | 0.090 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.27 | ug/L | 1 |
| Isopropylbenzene | 98-82-8 | 8260B | 0.16 | J | 0.50 | 0.029 | ug/L | 1 |
| Methyl acetate | 79-20-9 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| Methyl tertiary butyl ether (MTBE) | 1634-04-4 | 8260B | ND | | 0.50 | 0.019 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.31 | ug/L | 1 |
| Methylcyclohexane | 108-87-2 | 8260B | ND | | 5.0 | 0.95 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 0.50 | 0.015 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 0.50 | 0.013 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 0.50 | 0.014 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 8260B | ND | | 0.50 | 0.30 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 0.50 | 0.029 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 0.50 | 0.031 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: ARCADIS U.S., Inc.
Laboratory ID: KB04015-012
Description: Trip Blank1 (020209)
Matrix: Aqueous
Date Sampled: 02/02/2009
Date Received: 02/04/2009

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 02/10/2009 1447 | DLB | | 94922 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 8260B | ND | | 0.50 | 0.024 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 0.50 | 0.050 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 0.50 | 0.065 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 0.50 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 88 | 52-138 |
| Bromofluorobenzene | | 93 | 70-147 |
| Toluene-d8 | | 93 | 76-125 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

# QC Summary

# Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ94922-001
Batch: 94922
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | ND | | 1 | 10 | 3.3 | ug/L | 02/10/2009 0953 |
| Benzene | ND | | 1 | 0.50 | 0.027 | ug/L | 02/10/2009 0953 |
| Bromodichloromethane | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Bromoform | ND | | 1 | 0.50 | 0.010 | ug/L | 02/10/2009 0953 |
| Bromomethane (Methyl bromide) | ND | | 1 | 0.50 | 0.20 | ug/L | 02/10/2009 0953 |
| 2-Butanone (MEK) | ND | | 1 | 10 | 2.0 | ug/L | 02/10/2009 0953 |
| Carbon disulfide | ND | | 1 | 0.50 | 0.097 | ug/L | 02/10/2009 0953 |
| Carbon tetrachloride | ND | | 1 | 0.50 | 0.085 | ug/L | 02/10/2009 0953 |
| Chlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Chloroethane | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Chloroform | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Chloromethane (Methyl chloride) | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Cyclohexane | ND | | 1 | 0.50 | 0.30 | ug/L | 02/10/2009 0953 |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | | 1 | 0.50 | 0.069 | ug/L | 02/10/2009 0953 |
| Dibromochloromethane | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 1,2-Dibromoethane (EDB) | ND | | 1 | 0.50 | 0.061 | ug/L | 02/10/2009 0953 |
| 1,4-Dichlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 1,2-Dichlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 1,3-Dichlorobenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Dichlorodifluoromethane | ND | | 1 | 0.50 | 0.071 | ug/L | 02/10/2009 0953 |
| 1,2-Dichloroethane | ND | | 1 | 0.50 | 0.023 | ug/L | 02/10/2009 0953 |
| 1,1-Dichloroethane | ND | | 1 | 0.50 | 0.054 | ug/L | 02/10/2009 0953 |
| cis-1,2-Dichloroethene | ND | | 1 | 0.50 | 0.087 | ug/L | 02/10/2009 0953 |
| 1,1-Dichloroethene | ND | | 1 | 0.50 | 0.094 | ug/L | 02/10/2009 0953 |
| trans-1,2-Dichloroethene | ND | | 1 | 0.50 | 0.079 | ug/L | 02/10/2009 0953 |
| 1,2-Dichloropropane | ND | | 1 | 0.50 | 0.081 | ug/L | 02/10/2009 0953 |
| cis-1,3-Dichloropropene | ND | | 1 | 0.50 | 0.090 | ug/L | 02/10/2009 0953 |
| trans-1,3-Dichloropropene | ND | | 1 | 0.50 | 0.18 | ug/L | 02/10/2009 0953 |
| Ethylbenzene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 2-Hexanone | ND | | 1 | 10 | 0.27 | ug/L | 02/10/2009 0953 |
| Isopropylbenzene | 0.10 | J | 1 | 0.50 | 0.029 | ug/L | 02/10/2009 0953 |
| Methyl acetate | ND | | 1 | 1.0 | 0.30 | ug/L | 02/10/2009 0953 |
| Methyl tertiary butyl ether (MTBE) | ND | | 1 | 0.50 | 0.019 | ug/L | 02/10/2009 0953 |
| 4-Methyl-2-pentanone | ND | | 1 | 10 | 0.31 | ug/L | 02/10/2009 0953 |
| Methylcyclohexane | ND | | 1 | 5.0 | 0.95 | ug/L | 02/10/2009 0953 |
| Methylene chloride | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| Styrene | ND | | 1 | 0.50 | 0.015 | ug/L | 02/10/2009 0953 |
| 1,1,2,2-Tetrachloroethane | ND | | 1 | 0.50 | 0.013 | ug/L | 02/10/2009 0953 |
| Tetrachloroethene | 0.14 | J | 1 | 0.50 | 0.014 | ug/L | 02/10/2009 0953 |
| Toluene | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | 1 | 0.50 | 0.30 | ug/L | 02/10/2009 0953 |
| 1,2,4-Trichlorobenzene | 0.23 | J | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |
| 1,1,2-Trichloroethane | ND | | 1 | 0.50 | 0.031 | ug/L | 02/10/2009 0953 |
| 1,1,1-Trichloroethane | ND | | 1 | 0.50 | 0.029 | ug/L | 02/10/2009 0953 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ94922-001
Batch: 94922
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Trichloroethene | ND | | 1 | 0.50 | 0.024 | ug/L | 02/10/2009 0953 |
| Trichlorofluoromethane | ND | | 1 | 0.50 | 0.051 | ug/L | 02/10/2009 0953 |
| Vinyl chloride | ND | | 1 | 0.50 | 0.065 | ug/L | 02/10/2009 0953 |
| Xylenes (total) | ND | | 1 | 0.50 | 0.17 | ug/L | 02/10/2009 0953 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 101 | 70-147 |
| 1,2-Dichloroethane-d4 | | 91 | 52-138 |
| Toluene-d8 | | 101 | 76-125 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ94922-002
Batch: 94922
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | 100 | 89 | | 1 | 89 | 46-153 | 02/10/2009 0843 |
| Benzene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| Bromodichloromethane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| Bromoform | 50 | 51 | | 1 | 102 | 70-130 | 02/10/2009 0843 |
| Bromomethane (Methyl bromide) | 50 | 45 | | 1 | 91 | 60-140 | 02/10/2009 0843 |
| 2-Butanone (MEK) | 100 | 100 | | 1 | 102 | 60-140 | 02/10/2009 0843 |
| Carbon disulfide | 50 | 41 | | 1 | 81 | 60-140 | 02/10/2009 0843 |
| Carbon tetrachloride | 50 | 51 | | 1 | 102 | 70-130 | 02/10/2009 0843 |
| Chlorobenzene | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| Chloroethane | 50 | 47 | | 1 | 94 | 42-163 | 02/10/2009 0843 |
| Chloroform | 50 | 44 | | 1 | 88 | 70-130 | 02/10/2009 0843 |
| Chloromethane (Methyl chloride) | 50 | 39 | | 1 | 78 | 20-158 | 02/10/2009 0843 |
| Cyclohexane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 50 | 49 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| Dibromochloromethane | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| 1,2-Dibromoethane (EDB) | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,4-Dichlorobenzene | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,2-Dichlorobenzene | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,3-Dichlorobenzene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| Dichlorodifluoromethane | 50 | 34 | | 1 | 69 | 60-140 | 02/10/2009 0843 |
| 1,2-Dichloroethane | 50 | 45 | | 1 | 89 | 70-130 | 02/10/2009 0843 |
| 1,1-Dichloroethane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| cis-1,2-Dichloroethene | 50 | 48 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| 1,1-Dichloroethene | 50 | 49 | | 1 | 98 | 70-130 | 02/10/2009 0843 |
| trans-1,2-Dichloroethene | 50 | 48 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| 1,2-Dichloropropane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| cis-1,3-Dichloropropene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| trans-1,3-Dichloropropene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| Ethylbenzene | 50 | 48 | | 1 | 95 | 70-130 | 02/10/2009 0843 |
| 2-Hexanone | 100 | 94 | | 1 | 94 | 60-140 | 02/10/2009 0843 |
| Isopropylbenzene | 50 | 49 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| Methyl acetate | 50 | 40 | | 1 | 81 | 15-128 | 02/10/2009 0843 |
| Methyl tertiary butyl ether (MTBE) | 50 | 46 | | 1 | 92 | 70-130 | 02/10/2009 0843 |
| 4-Methyl-2-pentanone | 100 | 92 | | 1 | 92 | 60-140 | 02/10/2009 0843 |
| Methylcyclohexane | 50 | 50 | | 1 | 99 | 70-130 | 02/10/2009 0843 |
| Methylene chloride | 50 | 44 | | 1 | 88 | 70-130 | 02/10/2009 0843 |
| Styrene | 50 | 49 | | 1 | 98 | 70-130 | 02/10/2009 0843 |
| 1,1,2,2-Tetrachloroethane | 50 | 46 | | 1 | 92 | 70-130 | 02/10/2009 0843 |
| Tetrachloroethene | 50 | 50 | | 1 | 101 | 70-130 | 02/10/2009 0843 |
| Toluene | 50 | 48 | | 1 | 96 | 70-130 | 02/10/2009 0843 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 50 | 56 | | 1 | 112 | 70-130 | 02/10/2009 0843 |
| 1,2,4-Trichlorobenzene | 50 | 48 | | 1 | 97 | 70-130 | 02/10/2009 0843 |
| 1,1,2-Trichloroethane | 50 | 47 | | 1 | 94 | 70-130 | 02/10/2009 0843 |
| 1,1,1-Trichloroethane | 50 | 49 | | 1 | 98 | 70-130 | 02/10/2009 0843 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Volatile Organic Compounds by GC/MS - LCS

Sample ID: KQ94922-002
Batch: 94922
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Trichloroethene | 50 | 50 | | 1 | 99 | 70-130 | 02/10/2009 0843 |
| Trichlorofluoromethane | 50 | 52 | | 1 | 103 | 60-140 | 02/10/2009 0843 |
| Vinyl chloride | 50 | 46 | | 1 | 93 | 60-140 | 02/10/2009 0843 |
| Xylenes (total) | 100 | 95 | | 1 | 95 | 70-130 | 02/10/2009 0843 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 107 | 70-147 |
| 1,2-Dichloroethane-d4 | | 96 | 52-138 |
| Toluene-d8 | | 105 | 76-125 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ94922-003
Batch: 94922
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 100 | 90 | | 1 | 90 | 0.57 | 46-153 | 20 | 02/10/2009 0906 |
| Benzene | 50 | 51 | | 1 | 101 | 5.5 | 70-130 | 20 | 02/10/2009 0906 |
| Bromodichloromethane | 50 | 50 | | 1 | 99 | 5.5 | 70-130 | 20 | 02/10/2009 0906 |
| Bromoform | 50 | 54 | | 1 | 107 | 5.1 | 70-130 | 20 | 02/10/2009 0906 |
| Bromomethane (Methyl bromide) | 50 | 48 | | 1 | 96 | 5.2 | 60-140 | 20 | 02/10/2009 0906 |
| 2-Butanone (MEK) | 100 | 100 | | 1 | 105 | 2.5 | 60-140 | 20 | 02/10/2009 0906 |
| Carbon disulfide | 50 | 42 | | 1 | 85 | 4.0 | 60-140 | 20 | 02/10/2009 0906 |
| Carbon tetrachloride | 50 | 55 | | 1 | 111 | 7.9 | 70-130 | 20 | 02/10/2009 0906 |
| Chlorobenzene | 50 | 50 | | 1 | 101 | 6.7 | 70-130 | 20 | 02/10/2009 0906 |
| Chloroethane | 50 | 48 | | 1 | 96 | 1.8 | 42-163 | 20 | 02/10/2009 0906 |
| Chloroform | 50 | 46 | | 1 | 91 | 3.7 | 70-130 | 20 | 02/10/2009 0906 |
| Chloromethane (Methyl chloride) | 50 | 40 | | 1 | 81 | 3.6 | 20-158 | 20 | 02/10/2009 0906 |
| Cyclohexane | 50 | 49 | | 1 | 98 | 4.0 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 50 | 50 | | 1 | 101 | 3.8 | 70-130 | 20 | 02/10/2009 0906 |
| Dibromochloromethane | 50 | 52 | | 1 | 103 | 7.0 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2-Dibromoethane (EDB) | 50 | 50 | | 1 | 100 | 5.3 | 70-130 | 20 | 02/10/2009 0906 |
| 1,4-Dichlorobenzene | 50 | 50 | | 1 | 100 | 5.9 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2-Dichlorobenzene | 50 | 50 | | 1 | 100 | 6.3 | 70-130 | 20 | 02/10/2009 0906 |
| 1,3-Dichlorobenzene | 50 | 50 | | 1 | 100 | 4.4 | 70-130 | 20 | 02/10/2009 0906 |
| Dichlorodifluoromethane | 50 | 36 | | 1 | 72 | 4.0 | 60-140 | 20 | 02/10/2009 0906 |
| 1,2-Dichloroethane | 50 | 47 | | 1 | 94 | 4.5 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1-Dichloroethane | 50 | 50 | | 1 | 99 | 5.4 | 70-130 | 20 | 02/10/2009 0906 |
| cis-1,2-Dichloroethene | 50 | 50 | | 1 | 101 | 3.8 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1-Dichloroethene | 50 | 52 | | 1 | 104 | 5.6 | 70-130 | 20 | 02/10/2009 0906 |
| trans-1,2-Dichloroethene | 50 | 51 | | 1 | 102 | 5.3 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2-Dichloropropane | 50 | 50 | | 1 | 99 | 5.6 | 70-130 | 20 | 02/10/2009 0906 |
| cis-1,3-Dichloropropene | 50 | 50 | | 1 | 100 | 4.4 | 70-130 | 20 | 02/10/2009 0906 |
| trans-1,3-Dichloropropene | 50 | 51 | | 1 | 103 | 6.6 | 70-130 | 20 | 02/10/2009 0906 |
| Ethylbenzene | 50 | 51 | | 1 | 102 | 6.6 | 70-130 | 20 | 02/10/2009 0906 |
| 2-Hexanone | 100 | 97 | | 1 | 97 | 3.8 | 60-140 | 20 | 02/10/2009 0906 |
| Isopropylbenzene | 50 | 52 | | 1 | 103 | 5.8 | 70-130 | 20 | 02/10/2009 0906 |
| Methyl acetate | 50 | 42 | | 1 | 84 | 3.3 | 15-128 | 20 | 02/10/2009 0906 |
| Methyl tertiary butyl ether (MTBE) | 50 | 48 | | 1 | 97 | 5.0 | 70-130 | 20 | 02/10/2009 0906 |
| 4-Methyl-2-pentanone | 100 | 95 | | 1 | 95 | 3.5 | 60-140 | 20 | 02/10/2009 0906 |
| Methylcyclohexane | 50 | 52 | | 1 | 105 | 5.7 | 70-130 | 20 | 02/10/2009 0906 |
| Methylene chloride | 50 | 46 | | 1 | 93 | 5.6 | 70-130 | 20 | 02/10/2009 0906 |
| Styrene | 50 | 52 | | 1 | 105 | 7.0 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1,2,2-Tetrachloroethane | 50 | 49 | | 1 | 97 | 5.4 | 70-130 | 20 | 02/10/2009 0906 |
| Tetrachloroethene | 50 | 54 | | 1 | 108 | 6.6 | 70-130 | 20 | 02/10/2009 0906 |
| Toluene | 50 | 51 | | 1 | 102 | 5.8 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 50 | 58 | | 1 | 117 | 4.5 | 70-130 | 20 | 02/10/2009 0906 |
| 1,2,4-Trichlorobenzene | 50 | 52 | | 1 | 103 | 5.9 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1,2-Trichloroethane | 50 | 49 | | 1 | 99 | 5.1 | 70-130 | 20 | 02/10/2009 0906 |
| 1,1,1-Trichloroethane | 50 | 52 | | 1 | 103 | 5.0 | 70-130 | 20 | 02/10/2009 0906 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Volatile Organic Compounds by GC/MS - LCSD

Sample ID: KQ94922-003
Batch: 94922
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 50 | 53 | | 1 | 105 | 6.1 | 70-130 | 20 | 02/10/2009 0906 |
| Trichlorofluoromethane | 50 | 54 | | 1 | 108 | 4.4 | 60-140 | 20 | 02/10/2009 0906 |
| Vinyl chloride | 50 | 48 | | 1 | 96 | 3.0 | 60-140 | 20 | 02/10/2009 0906 |
| Xylenes (total) | 100 | 100 | | 1 | 102 | 6.8 | 70-130 | 20 | 02/10/2009 0906 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 97 | 70-147 |
| 1,2-Dichloroethane-d4 | | 83 | 52-138 |
| Toluene-d8 | | 94 | 76-125 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ94722-001
Batch: 94722
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/06/2009 1620

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 1,1'-Biphenyl | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| 2,4,5-Trichlorophenol | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| 2,4,6-Trichlorophenol | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| 2,4-Dichlorophenol | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| 2,4-Dimethylphenol | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| 2,4-Dinitrophenol | ND | | 1 | 25 | 4.8 | ug/L | 02/09/2009 1506 |
| 2,4-Dinitrotoluene | ND | | 1 | 10 | 3.8 | ug/L | 02/09/2009 1506 |
| 2,6-Dinitrotoluene | ND | | 1 | 10 | 3.4 | ug/L | 02/09/2009 1506 |
| 2-Chloronaphthalene | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| 2-Chlorophenol | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| 2-Methylnaphthalene | ND | | 1 | 5.0 | 1.5 | ug/L | 02/09/2009 1506 |
| 2-Methylphenol | ND | | 1 | 5.0 | 1.1 | ug/L | 02/09/2009 1506 |
| 2-Nitroaniline | ND | | 1 | 10 | 2.1 | ug/L | 02/09/2009 1506 |
| 2-Nitrophenol | ND | | 1 | 10 | 2.9 | ug/L | 02/09/2009 1506 |
| 3 & 4-Methylphenol | ND | | 1 | 10 | 2.7 | ug/L | 02/09/2009 1506 |
| 3,3'-Dichlorobenzidine | ND | | 1 | 25 | 2.6 | ug/L | 02/09/2009 1506 |
| 3-Nitroaniline | ND | | 1 | 10 | 3.0 | ug/L | 02/09/2009 1506 |
| 4,6-Dinitro-2-methylphenol | ND | | 1 | 25 | 8.1 | ug/L | 02/09/2009 1506 |
| 4-Bromophenyl phenyl ether | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| 4-Chloro-3-methyl phenol | ND | | 1 | 5.0 | 1.6 | ug/L | 02/09/2009 1506 |
| 4-Chloroaniline | ND | | 1 | 5.0 | 0.81 | ug/L | 02/09/2009 1506 |
| 4-Chlorophenyl phenyl ether | ND | | 1 | 5.0 | 1.6 | ug/L | 02/09/2009 1506 |
| 4-Nitroaniline | ND | | 1 | 10 | 4.2 | ug/L | 02/09/2009 1506 |
| 4-Nitrophenol | ND | | 1 | 25 | 9.0 | ug/L | 02/09/2009 1506 |
| Acenaphthene | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Acenaphthylene | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Acetophenone | ND | | 1 | 5.0 | 0.90 | ug/L | 02/09/2009 1506 |
| Anthracene | ND | | 1 | 5.0 | 1.1 | ug/L | 02/09/2009 1506 |
| Atrazine | ND | | 1 | 5.0 | 4.2 | ug/L | 02/09/2009 1506 |
| Benzaldehyde | ND | | 1 | 25 | 3.0 | ug/L | 02/09/2009 1506 |
| Benzo(a)anthracene | ND | | 1 | 5.0 | 0.60 | ug/L | 02/09/2009 1506 |
| Benzo(a)pyrene | ND | | 1 | 5.0 | 0.50 | ug/L | 02/09/2009 1506 |
| Benzo(b)fluoranthene | ND | | 1 | 5.0 | 0.60 | ug/L | 02/09/2009 1506 |
| Benzo(g,h,i)perylene | ND | | 1 | 5.0 | 0.80 | ug/L | 02/09/2009 1506 |
| Benzo(k)fluoranthene | ND | | 1 | 5.0 | 1.0 | ug/L | 02/09/2009 1506 |
| bis(2-Chloroethoxy)methane | ND | | 1 | 5.0 | 1.5 | ug/L | 02/09/2009 1506 |
| bis(2-Chloroethyl)ether | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| bis(2-Chloroisopropyl)ether | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| bis(2-Ethylhexyl)phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |
| Butyl benzyl phthalate | ND | | 1 | 10 | 3.3 | ug/L | 02/09/2009 1506 |
| Caprolactam | ND | | 1 | 25 | 1.2 | ug/L | 02/09/2009 1506 |
| Carbazole | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |
| Chrysene | ND | | 1 | 5.0 | 0.70 | ug/L | 02/09/2009 1506 |
| Di-n-butyl phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Semivolatile Organic Compounds by GC/MS - MB

Sample ID: KQ94722-001
Batch: 94722
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/06/2009 1620

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Di-n-octylphthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |
| Dibenzo(a,h)anthracene | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| Dibenzofuran | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Diethylphthalate | ND | | 1 | 5.0 | 1.9 | ug/L | 02/09/2009 1506 |
| Dimethyl phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 02/09/2009 1506 |
| Fluoranthene | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| Fluorene | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| Hexachlorobenzene | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Hexachlorobutadiene | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| Hexachlorocyclopentadiene | ND | | 1 | 25 | 4.0 | ug/L | 02/09/2009 1506 |
| Hexachloroethane | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Indeno(1,2,3-c,d)pyrene | ND | | 1 | 5.0 | 2.3 | ug/L | 02/09/2009 1506 |
| Isophorone | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| N-Nitrosodi-n-propylamine | ND | | 1 | 5.0 | 1.4 | ug/L | 02/09/2009 1506 |
| N-Nitrosodiphenylamine (Diphenylamine) | ND | | 1 | 5.0 | 1.0 | ug/L | 02/09/2009 1506 |
| Naphthalene | ND | | 1 | 5.0 | 1.3 | ug/L | 02/09/2009 1506 |
| Nitrobenzene | ND | | 1 | 5.0 | 1.6 | ug/L | 02/09/2009 1506 |
| Pentachlorophenol | ND | | 1 | 25 | 5.1 | ug/L | 02/09/2009 1506 |
| Phenanthrene | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Phenol | ND | | 1 | 5.0 | 1.2 | ug/L | 02/09/2009 1506 |
| Pyrene | ND | | 1 | 5.0 | 3.1 | ug/L | 02/09/2009 1506 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 82 | 41-144 |
| 2-Fluorobiphenyl | | 91 | 37-129 |
| 2-Fluorophenol | | 78 | 24-127 |
| Nitrobenzene-d5 | | 90 | 38-127 |
| Phenol-d5 | | 80 | 28-128 |
| Terphenyl-d14 | | 82 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ94722-002
Batch: 94722
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/06/2009 1620

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | 100 | 85 | | 1 | 85 | 30-130 | 02/09/2009 1525 |
| 2,4,6-Trichlorophenol | 100 | 79 | | 1 | 79 | 30-130 | 02/09/2009 1525 |
| 2,4-Dichlorophenol | 100 | 86 | | 1 | 86 | 30-130 | 02/09/2009 1525 |
| 2,4-Dimethylphenol | 100 | 74 | | 1 | 74 | 30-130 | 02/09/2009 1525 |
| 2,4-Dinitrophenol | 500 | 350 | | 1 | 69 | 30-130 | 02/09/2009 1525 |
| 2,4-Dinitrotoluene | 200 | 180 | | 1 | 89 | 30-130 | 02/09/2009 1525 |
| 2,6-Dinitrotoluene | 200 | 180 | | 1 | 90 | 30-130 | 02/09/2009 1525 |
| 2-Chloronaphthalene | 100 | 81 | | 1 | 81 | 30-130 | 02/09/2009 1525 |
| 2-Chlorophenol | 100 | 81 | | 1 | 81 | 30-130 | 02/09/2009 1525 |
| 2-Methylnaphthalene | 100 | 84 | | 1 | 84 | 30-130 | 02/09/2009 1525 |
| 2-Methylphenol | 100 | 82 | | 1 | 82 | 30-130 | 02/09/2009 1525 |
| 2-Nitroaniline | 200 | 160 | | 1 | 83 | 30-130 | 02/09/2009 1525 |
| 2-Nitrophenol | 200 | 160 | | 1 | 82 | 30-130 | 02/09/2009 1525 |
| 3 & 4-Methylphenol | 200 | 160 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| 3-Nitroaniline | 200 | 150 | | 1 | 76 | 30-130 | 02/09/2009 1525 |
| 4,6-Dinitro-2-methylphenol | 500 | 420 | | 1 | 85 | 30-130 | 02/09/2009 1525 |
| 4-Bromophenyl phenyl ether | 100 | 86 | | 1 | 86 | 30-130 | 02/09/2009 1525 |
| 4-Chloro-3-methyl phenol | 100 | 85 | | 1 | 85 | 30-130 | 02/09/2009 1525 |
| 4-Chloroaniline | 100 | 46 | | 1 | 46 | 10-130 | 02/09/2009 1525 |
| 4-Chlorophenyl phenyl ether | 100 | 86 | | 1 | 86 | 30-130 | 02/09/2009 1525 |
| 4-Nitroaniline | 200 | 150 | | 1 | 76 | 30-130 | 02/09/2009 1525 |
| 4-Nitrophenol | 500 | 430 | | 1 | 87 | 30-130 | 02/09/2009 1525 |
| Acenaphthene | 100 | 83 | | 1 | 83 | 30-130 | 02/09/2009 1525 |
| Acenaphthylene | 100 | 92 | | 1 | 92 | 30-130 | 02/09/2009 1525 |
| Anthracene | 100 | 80 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| Benzo(a)anthracene | 100 | 83 | | 1 | 83 | 30-130 | 02/09/2009 1525 |
| Benzo(a)pyrene | 100 | 110 | | 1 | 107 | 30-130 | 02/09/2009 1525 |
| Benzo(b)fluoranthene | 100 | 83 | | 1 | 83 | 30-130 | 02/09/2009 1525 |
| Benzo(g,h,i)perylene | 100 | 79 | | 1 | 79 | 30-130 | 02/09/2009 1525 |
| Benzo(k)fluoranthene | 100 | 97 | | 1 | 97 | 30-130 | 02/09/2009 1525 |
| bis(2-Chloroethoxy)methane | 100 | 81 | | 1 | 81 | 30-130 | 02/09/2009 1525 |
| bis(2-Chloroethyl)ether | 100 | 78 | | 1 | 78 | 30-130 | 02/09/2009 1525 |
| bis(2-Chloroisopropyl)ether | 100 | 76 | | 1 | 76 | 30-130 | 02/09/2009 1525 |
| bis(2-Ethylhexyl)phthalate | 100 | 90 | | 1 | 90 | 30-130 | 02/09/2009 1525 |
| Butyl benzyl phthalate | 100 | 86 | | 1 | 86 | 30-130 | 02/09/2009 1525 |
| Carbazole | 100 | 71 | | 1 | 71 | 30-130 | 02/09/2009 1525 |
| Chrysene | 100 | 92 | | 1 | 92 | 30-130 | 02/09/2009 1525 |
| Di-n-butyl phthalate | 100 | 89 | | 1 | 89 | 30-130 | 02/09/2009 1525 |
| Di-n-octylphthalate | 100 | 96 | | 1 | 96 | 30-130 | 02/09/2009 1525 |
| Dibenzo(a,h)anthracene | 100 | 80 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| Dibenzofuran | 100 | 84 | | 1 | 84 | 30-130 | 02/09/2009 1525 |
| Diethylphthalate | 100 | 88 | | 1 | 88 | 30-130 | 02/09/2009 1525 |
| Dimethyl phthalate | 100 | 87 | | 1 | 87 | 30-130 | 02/09/2009 1525 |
| Fluoranthene | 100 | 85 | | 1 | 85 | 30-130 | 02/09/2009 1525 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: KQ94722-002
Batch: 94722
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/06/2009 1620

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Fluorene | 100 | 87 | | 1 | 87 | 30-130 | 02/09/2009 1525 |
| Hexachlorobenzene | 100 | 82 | | 1 | 82 | 30-130 | 02/09/2009 1525 |
| Hexachlorobutadiene | 100 | 88 | | 1 | 88 | 30-130 | 02/09/2009 1525 |
| Hexachlorocyclopentadiene | 500 | 320 | | 1 | 64 | 30-130 | 02/09/2009 1525 |
| Hexachloroethane | 100 | 82 | | 1 | 82 | 30-130 | 02/09/2009 1525 |
| Indeno(1,2,3-c,d)pyrene | 100 | 80 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| Isophorone | 100 | 73 | | 1 | 73 | 30-130 | 02/09/2009 1525 |
| N-Nitrosodi-n-propylamine | 100 | 81 | | 1 | 81 | 30-130 | 02/09/2009 1525 |
| N-Nitrosodiphenylamine (Diphenylamine) | 100 | 110 | | 1 | 108 | 30-130 | 02/09/2009 1525 |
| Naphthalene | 100 | 80 | | 1 | 80 | 30-130 | 02/09/2009 1525 |
| Nitrobenzene | 100 | 84 | | 1 | 84 | 30-130 | 02/09/2009 1525 |
| Pentachlorophenol | 500 | 310 | | 1 | 62 | 30-130 | 02/09/2009 1525 |
| Phenanthrene | 100 | 85 | | 1 | 85 | 30-130 | 02/09/2009 1525 |
| Phenol | 100 | 77 | | 1 | 77 | 30-130 | 02/09/2009 1525 |
| Pyrene | 100 | 87 | | 1 | 87 | 30-130 | 02/09/2009 1525 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 81 | 41-144 |
| 2-Fluorobiphenyl | | 88 | 37-129 |
| 2-Fluorophenol | | 78 | 24-127 |
| Nitrobenzene-d5 | | 90 | 38-127 |
| Phenol-d5 | | 82 | 28-128 |
| Terphenyl-d14 | | 76 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KB04015-001MS
Batch: 94722
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/06/2009 1620

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | 230 | 180 | | 1 | 79 | 30-130 | 02/09/2009 1602 |
| Acenaphthylene | ND | 230 | 200 | | 1 | 87 | 30-130 | 02/09/2009 1602 |
| Anthracene | ND | 230 | 170 | | 1 | 72 | 30-130 | 02/09/2009 1602 |
| Benzo(a)anthracene | ND | 230 | 170 | | 1 | 74 | 30-130 | 02/09/2009 1602 |
| Benzo(a)pyrene | ND | 230 | 200 | | 1 | 86 | 30-130 | 02/09/2009 1602 |
| Benzo(b)fluoranthene | ND | 230 | 160 | | 1 | 71 | 30-130 | 02/09/2009 1602 |
| Benzo(g,h,i)perylene | ND | 230 | 170 | | 1 | 73 | 30-130 | 02/09/2009 1602 |
| Benzo(k)fluoranthene | ND | 230 | 190 | | 1 | 81 | 30-130 | 02/09/2009 1602 |
| 4-Bromophenyl phenyl ether | ND | 230 | 180 | | 1 | 79 | 30-130 | 02/09/2009 1602 |
| Butyl benzyl phthalate | ND | 230 | 180 | | 1 | 77 | 30-130 | 02/09/2009 1602 |
| Carbazole | ND | 230 | 240 | | 1 | 102 | 30-130 | 02/09/2009 1602 |
| 4-Chloro-3-methyl phenol | ND | 230 | 200 | | 1 | 85 | 30-130 | 02/09/2009 1602 |
| 4-Chloroaniline | ND | 230 | 110 | | 1 | 47 | 10-130 | 02/09/2009 1602 |
| bis(2-Chloroethoxy)methane | ND | 230 | 180 | | 1 | 78 | 30-130 | 02/09/2009 1602 |
| bis(2-Chloroethyl)ether | ND | 230 | 180 | | 1 | 76 | 30-130 | 02/09/2009 1602 |
| bis(2-Chloroisopropyl)ether | ND | 230 | 170 | | 1 | 73 | 30-130 | 02/09/2009 1602 |
| 2-Chloronaphthalene | ND | 230 | 210 | | 1 | 89 | 30-130 | 02/09/2009 1602 |
| 2-Chlorophenol | ND | 230 | 180 | | 1 | 80 | 30-130 | 02/09/2009 1602 |
| 4-Chlorophenyl phenyl ether | ND | 230 | 180 | | 1 | 78 | 30-130 | 02/09/2009 1602 |
| Chrysene | ND | 230 | 180 | | 1 | 78 | 30-130 | 02/09/2009 1602 |
| Di-n-butyl phthalate | ND | 230 | 180 | | 1 | 78 | 30-130 | 02/09/2009 1602 |
| Di-n-octylphthalate | ND | 230 | 190 | | 1 | 81 | 30-130 | 02/09/2009 1602 |
| Dibenzo(a,h)anthracene | ND | 230 | 170 | | 1 | 72 | 30-130 | 02/09/2009 1602 |
| Dibenzofuran | ND | 230 | 180 | | 1 | 80 | 30-130 | 02/09/2009 1602 |
| 2,4-Dichlorophenol | ND | 230 | 200 | | 1 | 85 | 30-130 | 02/09/2009 1602 |
| Diethylphthalate | ND | 230 | 240 | | 1 | 106 | 30-130 | 02/09/2009 1602 |
| Dimethyl phthalate | ND | 230 | 220 | | 1 | 92 | 30-130 | 02/09/2009 1602 |
| 2,4-Dimethylphenol | ND | 230 | 180 | | 1 | 77 | 30-130 | 02/09/2009 1602 |
| 4,6-Dinitro-2-methylphenol | ND | 1200 | 1000 | | 1 | 89 | 30-130 | 02/09/2009 1602 |
| 2,4-Dinitrophenol | ND | 1200 | 950 | | 1 | 82 | 30-130 | 02/09/2009 1602 |
| 2,4-Dinitrotoluene | ND | 460 | 410 | | 1 | 88 | 30-130 | 02/09/2009 1602 |
| 2,6-Dinitrotoluene | ND | 460 | 420 | | 1 | 90 | 30-130 | 02/09/2009 1602 |
| bis(2-Ethylhexyl)phthalate | ND | 230 | 180 | | 1 | 78 | 70-131 | 02/09/2009 1602 |
| Fluoranthene | ND | 230 | 170 | | 1 | 74 | 30-130 | 02/09/2009 1602 |
| Fluorene | ND | 230 | 180 | | 1 | 80 | 30-130 | 02/09/2009 1602 |
| Hexachlorobenzene | ND | 230 | 170 | | 1 | 74 | 30-130 | 02/09/2009 1602 |
| Hexachlorobutadiene | ND | 230 | 180 | | 1 | 76 | 30-130 | 02/09/2009 1602 |
| Hexachlorocyclopentadiene | ND | 1200 | 680 | | 1 | 59 | 30-130 | 02/09/2009 1602 |
| Hexachloroethane | ND | 230 | 190 | | 1 | 82 | 30-130 | 02/09/2009 1602 |
| Indeno(1,2,3-c,d)pyrene | ND | 230 | 170 | | 1 | 72 | 30-130 | 02/09/2009 1602 |
| Isophorone | ND | 230 | 160 | | 1 | 70 | 30-130 | 02/09/2009 1602 |
| 2-Methylnaphthalene | ND | 230 | 180 | | 1 | 80 | 30-130 | 02/09/2009 1602 |
| 2-Methylphenol | ND | 230 | 200 | | 1 | 87 | 30-130 | 02/09/2009 1602 |
| 3 & 4-Methylphenol | ND | 460 | 380 | | 1 | 81 | 30-130 | 02/09/2009 1602 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Semivolatile Organic Compounds by GC/MS - MS

Sample ID: KB04015-001MS
Batch: 94722
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/06/2009 1620

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | ND | 230 | 190 | | 1 | 83 | 30-130 | 02/09/2009 1602 |
| N-Nitrosodiphenylamine (Diphenylamine) | ND | 230 | 250 | | 1 | 108 | 30-130 | 02/09/2009 1602 |
| Naphthalene | ND | 230 | 200 | | 1 | 86 | 30-130 | 02/09/2009 1602 |
| 2-Nitroaniline | ND | 460 | 390 | | 1 | 84 | 30-130 | 02/09/2009 1602 |
| 3-Nitroaniline | ND | 460 | 320 | | 1 | 70 | 30-130 | 02/09/2009 1602 |
| 4-Nitroaniline | ND | 460 | 400 | | 1 | 87 | 30-130 | 02/09/2009 1602 |
| Nitrobenzene | ND | 230 | 190 | | 1 | 82 | 30-130 | 02/09/2009 1602 |
| 2-Nitrophenol | ND | 460 | 380 | | 1 | 81 | 30-130 | 02/09/2009 1602 |
| 4-Nitrophenol | ND | 1200 | 1000 | | 1 | 89 | 30-130 | 02/09/2009 1602 |
| Pentachlorophenol | ND | 1200 | 840 | | 1 | 72 | 30-130 | 02/09/2009 1602 |
| Phenanthrene | ND | 230 | 180 | | 1 | 78 | 30-130 | 02/09/2009 1602 |
| Phenol | ND | 230 | 180 | | 1 | 77 | 30-130 | 02/09/2009 1602 |
| Pyrene | ND | 230 | 180 | | 1 | 76 | 30-130 | 02/09/2009 1602 |
| 2,4,5-Trichlorophenol | ND | 230 | 200 | | 1 | 87 | 30-130 | 02/09/2009 1602 |
| 2,4,6-Trichlorophenol | ND | 230 | 190 | | 1 | 81 | 30-130 | 02/09/2009 1602 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 84 | 41-144 |
| 2-Fluorobiphenyl | | 86 | 37-129 |
| 2-Fluorophenol | | 77 | 24-127 |
| Nitrobenzene-d5 | | 85 | 38-127 |
| Phenol-d5 | | 79 | 28-128 |
| Terphenyl-d14 | | 69 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KB04015-001MD
Batch: 94722
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/06/2009 1620

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | 220 | 160 | | 1 | 72 | 14 | 30-130 | 20 | 02/09/2009 1621 |
| Acenaphthylene | ND | 220 | 180 | | 1 | 81 | 11 | 30-130 | 20 | 02/09/2009 1621 |
| Anthracene | ND | 220 | 140 | | 1 | 62 | 19 | 30-130 | 20 | 02/09/2009 1621 |
| Benzo(a)anthracene | ND | 220 | 140 | + | 1 | 61 | 24 | 30-130 | 20 | 02/09/2009 1621 |
| Benzo(a)pyrene | ND | 220 | 160 | + | 1 | 72 | 21 | 30-130 | 20 | 02/09/2009 1621 |
| Benzo(b)fluoranthene | ND | 220 | 130 | + | 1 | 60 | 21 | 30-130 | 20 | 02/09/2009 1621 |
| Benzo(g,h,i)perylene | ND | 220 | 120 | + | 1 | 56 | 31 | 30-130 | 20 | 02/09/2009 1621 |
| Benzo(k)fluoranthene | ND | 220 | 150 | + | 1 | 67 | 23 | 30-130 | 20 | 02/09/2009 1621 |
| 4-Bromophenyl phenyl ether | ND | 220 | 150 | | 1 | 67 | 20 | 30-130 | 20 | 02/09/2009 1621 |
| Butyl benzyl phthalate | ND | 220 | 140 | + | 1 | 64 | 23 | 30-130 | 20 | 02/09/2009 1621 |
| Carbazole | ND | 220 | 220 | | 1 | 100 | 6.5 | 30-130 | 20 | 02/09/2009 1621 |
| 4-Chloro-3-methyl phenol | ND | 220 | 190 | | 1 | 86 | 2.5 | 30-130 | 20 | 02/09/2009 1621 |
| 4-Chloroaniline | ND | 220 | 100 | | 1 | 46 | 6.6 | 10-130 | 40 | 02/09/2009 1621 |
| bis(2-Chloroethoxy)methane | ND | 220 | 180 | | 1 | 80 | 2.2 | 30-130 | 20 | 02/09/2009 1621 |
| bis(2-Chloroethyl)ether | ND | 220 | 170 | | 1 | 75 | 4.9 | 30-130 | 20 | 02/09/2009 1621 |
| bis(2-Chloroisopropyl)ether | ND | 220 | 170 | | 1 | 75 | 1.4 | 30-130 | 20 | 02/09/2009 1621 |
| 2-Chloronaphthalene | ND | 220 | 150 | + | 1 | 69 | 29 | 30-130 | 20 | 02/09/2009 1621 |
| 2-Chlorophenol | ND | 220 | 180 | | 1 | 81 | 3.0 | 30-130 | 20 | 02/09/2009 1621 |
| 4-Chlorophenyl phenyl ether | ND | 220 | 150 | | 1 | 67 | 19 | 30-130 | 20 | 02/09/2009 1621 |
| Chrysene | ND | 220 | 150 | + | 1 | 66 | 22 | 30-130 | 20 | 02/09/2009 1621 |
| Di-n-butyl phthalate | ND | 220 | 150 | | 1 | 67 | 19 | 30-130 | 20 | 02/09/2009 1621 |
| Di-n-octylphthalate | ND | 220 | 160 | | 1 | 70 | 19 | 30-130 | 20 | 02/09/2009 1621 |
| Dibenzo(a,h)anthracene | ND | 220 | 130 | + | 1 | 58 | 27 | 30-130 | 20 | 02/09/2009 1621 |
| Dibenzofuran | ND | 220 | 160 | | 1 | 73 | 14 | 30-130 | 20 | 02/09/2009 1621 |
| 2,4-Dichlorophenol | ND | 220 | 190 | | 1 | 87 | 2.2 | 30-130 | 20 | 02/09/2009 1621 |
| Diethylphthalate | ND | 220 | 240 | | 1 | 106 | 4.4 | 30-130 | 20 | 02/09/2009 1621 |
| Dimethyl phthalate | ND | 220 | 200 | | 1 | 92 | 4.8 | 30-130 | 20 | 02/09/2009 1621 |
| 2,4-Dimethylphenol | ND | 220 | 170 | | 1 | 78 | 3.0 | 30-130 | 20 | 02/09/2009 1621 |
| 4,6-Dinitro-2-methylphenol | ND | 1100 | 1000 | | 1 | 90 | 3.6 | 30-130 | 20 | 02/09/2009 1621 |
| 2,4-Dinitrophenol | ND | 1100 | 910 | | 1 | 82 | 4.4 | 30-130 | 20 | 02/09/2009 1621 |
| 2,4-Dinitrotoluene | ND | 440 | 390 | | 1 | 88 | 4.0 | 30-130 | 20 | 02/09/2009 1621 |
| 2,6-Dinitrotoluene | ND | 440 | 390 | | 1 | 87 | 7.4 | 30-130 | 20 | 02/09/2009 1621 |
| bis(2-Ethylhexyl)phthalate | ND | 220 | 150 | N | 1 | 66 | 21 | 70-131 | 40 | 02/09/2009 1621 |
| Fluoranthene | ND | 220 | 140 | | 1 | 64 | 19 | 30-130 | 20 | 02/09/2009 1621 |
| Fluorene | ND | 220 | 160 | | 1 | 72 | 15 | 30-130 | 20 | 02/09/2009 1621 |
| Hexachlorobenzene | ND | 220 | 140 | + | 1 | 62 | 22 | 30-130 | 20 | 02/09/2009 1621 |
| Hexachlorobutadiene | ND | 220 | 150 | | 1 | 66 | 19 | 30-130 | 20 | 02/09/2009 1621 |
| Hexachlorocyclopentadiene | ND | 1100 | 520 | + | 1 | 47 | 26 | 30-130 | 20 | 02/09/2009 1621 |
| Hexachloroethane | ND | 220 | 170 | | 1 | 78 | 9.8 | 30-130 | 20 | 02/09/2009 1621 |
| Indeno(1,2,3-c,d)pyrene | ND | 220 | 120 | + | 1 | 56 | 29 | 30-130 | 20 | 02/09/2009 1621 |
| Isophorone | ND | 220 | 160 | | 1 | 72 | 3.0 | 30-130 | 20 | 02/09/2009 1621 |
| 2-Methylnaphthalene | ND | 220 | 170 | | 1 | 75 | 9.9 | 30-130 | 20 | 02/09/2009 1621 |
| 2-Methylphenol | ND | 220 | 200 | | 1 | 91 | 0.014 | 30-130 | 20 | 02/09/2009 1621 |
| 3 & 4-Methylphenol | ND | 440 | 370 | | 1 | 83 | 2.3 | 30-130 | 20 | 02/09/2009 1621 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: KB04015-001MD
Batch: 94722
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/06/2009 1620

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | ND | 220 | 190 | | 1 | 84 | 3.2 | 30-130 | 20 | 02/09/2009 1621 |
| N-Nitrosodiphenylamine (Diphenylamine) | ND | 220 | 230 | | 1 | 103 | 8.8 | 30-130 | 20 | 02/09/2009 1621 |
| Naphthalene | ND | 220 | 180 | | 1 | 83 | 7.3 | 30-130 | 20 | 02/09/2009 1621 |
| 2-Nitroaniline | ND | 440 | 380 | | 1 | 86 | 2.9 | 30-130 | 20 | 02/09/2009 1621 |
| 3-Nitroaniline | ND | 440 | 310 | | 1 | 70 | 4.0 | 30-130 | 20 | 02/09/2009 1621 |
| 4-Nitroaniline | ND | 440 | 360 | | 1 | 80 | 12 | 30-130 | 20 | 02/09/2009 1621 |
| Nitrobenzene | ND | 220 | 180 | | 1 | 83 | 2.6 | 30-130 | 20 | 02/09/2009 1621 |
| 2-Nitrophenol | ND | 440 | 370 | | 1 | 83 | 2.5 | 30-130 | 20 | 02/09/2009 1621 |
| 4-Nitrophenol | ND | 1100 | 1000 | | 1 | 92 | 1.2 | 30-130 | 20 | 02/09/2009 1621 |
| Pentachlorophenol | ND | 1100 | 770 | | 1 | 69 | 8.6 | 30-130 | 20 | 02/09/2009 1621 |
| Phenanthrene | ND | 220 | 150 | | 1 | 69 | 18 | 30-130 | 20 | 02/09/2009 1621 |
| Phenol | ND | 220 | 170 | | 1 | 77 | 3.8 | 30-130 | 20 | 02/09/2009 1621 |
| Pyrene | ND | 220 | 140 | + | 1 | 64 | 22 | 30-130 | 20 | 02/09/2009 1621 |
| 2,4,5-Trichlorophenol | ND | 220 | 200 | | 1 | 88 | 2.7 | 30-130 | 20 | 02/09/2009 1621 |
| 2,4,6-Trichlorophenol | ND | 220 | 180 | | 1 | 80 | 5.4 | 30-130 | 20 | 02/09/2009 1621 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 88 | 41-144 |
| 2-Fluorobiphenyl | | 83 | 37-129 |
| 2-Fluorophenol | | 78 | 24-127 |
| Nitrobenzene-d5 | | 87 | 38-127 |
| Phenol-d5 | | 80 | 28-128 |
| Terphenyl-d14 | | 65 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Organochlorine Pesticides by GC - MB

Sample ID: KQ94617-001
Batch: 94617
Analytical Method: 8081A

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/05/2009 1626

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | ND | | 1 | 0.025 | 0.0060 | ug/L | 02/11/2009 0020 |
| 4,4'-DDE | ND | | 1 | 0.025 | 0.0060 | ug/L | 02/11/2009 0020 |
| 4,4'-DDT | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Aldrin | ND | | 1 | 0.025 | 0.0020 | ug/L | 02/11/2009 0020 |
| alpha-BHC | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| alpha-Chlordane | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| beta-BHC | ND | | 1 | 0.025 | 0.019 | ug/L | 02/11/2009 0020 |
| delta-BHC | ND | | 1 | 0.025 | 0.0080 | ug/L | 02/11/2009 0020 |
| Dieldrin | ND | | 1 | 0.025 | 0.0040 | ug/L | 02/11/2009 0020 |
| Endosulfan I | ND | | 1 | 0.025 | 0.0060 | ug/L | 02/11/2009 0020 |
| Endosulfan II | ND | | 1 | 0.025 | 0.024 | ug/L | 02/11/2009 0020 |
| Endosulfan sulfate | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Endrin | ND | | 1 | 0.025 | 0.0050 | ug/L | 02/11/2009 0020 |
| Endrin aldehyde | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Endrin ketone | ND | | 1 | 0.025 | 0.0040 | ug/L | 02/11/2009 0020 |
| gamma-BHC (Lindane) | ND | | 1 | 0.025 | 0.0050 | ug/L | 02/11/2009 0020 |
| gamma-Chlordane | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Heptachlor | ND | | 1 | 0.025 | 0.020 | ug/L | 02/11/2009 0020 |
| Heptachlor epoxide | ND | | 1 | 0.025 | 0.0030 | ug/L | 02/11/2009 0020 |
| Methoxychlor | ND | | 1 | 0.10 | 0.014 | ug/L | 02/11/2009 0020 |
| Toxaphene | ND | | 1 | 0.25 | 0.030 | ug/L | 02/11/2009 0020 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 85 | 10-156 |
| Tetrachloro-m-xylene | | 94 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Organochlorine Pesticides by GC - LCS

Sample ID: KQ94617-002
Batch: 94617
Analytical Method: 8081A

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/05/2009 1626

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 0.50 | 0.43 | | 1 | 87 | 74-142 | 02/11/2009 0037 |
| 4,4'-DDE | 0.50 | 0.43 | | 1 | 86 | 66-143 | 02/11/2009 0037 |
| 4,4'-DDT | 0.50 | 0.46 | | 1 | 92 | 68-158 | 02/11/2009 0037 |
| Aldrin | 0.50 | 0.45 | | 1 | 90 | 67-135 | 02/11/2009 0037 |
| alpha-BHC | 0.50 | 0.42 | | 1 | 85 | 64-141 | 02/11/2009 0037 |
| beta-BHC | 0.50 | 0.39 | | 1 | 77 | 70-156 | 02/11/2009 0037 |
| delta-BHC | 0.50 | 0.43 | | 1 | 85 | 72-161 | 02/11/2009 0037 |
| Dieldrin | 0.50 | 0.44 | | 1 | 87 | 64-144 | 02/11/2009 0037 |
| Endosulfan I | 0.50 | 0.44 | | 1 | 87 | 78-138 | 02/11/2009 0037 |
| Endosulfan II | 0.50 | 0.43 | | 1 | 87 | 74-151 | 02/11/2009 0037 |
| Endosulfan sulfate | 0.50 | 0.41 | | 1 | 82 | 64-155 | 02/11/2009 0037 |
| Endrin | 0.50 | 0.41 | | 1 | 82 | 39-162 | 02/11/2009 0037 |
| Endrin aldehyde | 0.50 | 0.39 | | 1 | 79 | 68-152 | 02/11/2009 0037 |
| gamma-BHC (Lindane) | 0.50 | 0.44 | | 1 | 87 | 60-151 | 02/11/2009 0037 |
| Heptachlor | 0.50 | 0.46 | | 1 | 92 | 61-147 | 02/11/2009 0037 |
| Heptachlor epoxide | 0.50 | 0.46 | | 1 | 92 | 62-144 | 02/11/2009 0037 |
| Methoxychlor | 0.50 | 0.47 | | 1 | 95 | 64-158 | 02/11/2009 0037 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 96 | 10-156 |
| Tetrachloro-m-xylene | | 97 | 40-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Organochlorine Pesticides by GC - LCSD

Sample ID: KQ94617-003
Batch: 94617
Analytical Method: 8081A

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/05/2009 1626

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 0.50 | 0.44 | | 1 | 88 | 2.1 | 74-142 | 30 | 02/11/2009 0055 |
| 4,4'-DDE | 0.50 | 0.42 | | 1 | 85 | 0.66 | 66-143 | 30 | 02/11/2009 0055 |
| 4,4'-DDT | 0.50 | 0.48 | | 1 | 96 | 3.5 | 68-158 | 30 | 02/11/2009 0055 |
| Aldrin | 0.50 | 0.44 | | 1 | 89 | 1.6 | 67-135 | 30 | 02/11/2009 0055 |
| alpha-BHC | 0.50 | 0.42 | | 1 | 85 | 0.12 | 64-141 | 30 | 02/11/2009 0055 |
| beta-BHC | 0.50 | 0.39 | | 1 | 78 | 1.3 | 70-156 | 30 | 02/11/2009 0055 |
| delta-BHC | 0.50 | 0.44 | | 1 | 88 | 2.7 | 72-161 | 30 | 02/11/2009 0055 |
| Dieldrin | 0.50 | 0.44 | | 1 | 89 | 1.4 | 64-144 | 30 | 02/11/2009 0055 |
| Endosulfan I | 0.50 | 0.44 | | 1 | 88 | 0.14 | 78-138 | 30 | 02/11/2009 0055 |
| Endosulfan II | 0.50 | 0.45 | | 1 | 90 | 3.4 | 74-151 | 30 | 02/11/2009 0055 |
| Endosulfan sulfate | 0.50 | 0.43 | | 1 | 85 | 3.9 | 64-155 | 30 | 02/11/2009 0055 |
| Endrin | 0.50 | 0.42 | | 1 | 83 | 1.9 | 39-162 | 30 | 02/11/2009 0055 |
| Endrin aldehyde | 0.50 | 0.45 | | 1 | 90 | 13 | 68-152 | 30 | 02/11/2009 0055 |
| gamma-BHC (Lindane) | 0.50 | 0.44 | | 1 | 88 | 0.91 | 60-151 | 30 | 02/11/2009 0055 |
| Heptachlor | 0.50 | 0.48 | | 1 | 96 | 3.8 | 61-147 | 30 | 02/11/2009 0055 |
| Heptachlor epoxide | 0.50 | 0.46 | | 1 | 92 | 0.0 | 62-144 | 30 | 02/11/2009 0055 |
| Methoxychlor | 0.50 | 0.50 | | 1 | 101 | 6.1 | 64-158 | 30 | 02/11/2009 0055 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 74 | 10-156 |
| Tetrachloro-m-xylene | | 96 | 40-130 |

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N - Recovery is out of criteria

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Herbicides by GC - MB

Sample ID: KQ94797-001
Batch: 94797
Analytical Method: 8151A

Matrix: Aqueous
Prep Method: 8151A
Prep Date: 02/09/2009 1451

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 2,4,5-T | ND | | 1 | 0.50 | 0.10 | ug/L | 02/12/2009 1329 |
| 2,4,5-TP (Silvex) | ND | | 1 | 0.50 | 0.10 | ug/L | 02/12/2009 1329 |
| 2,4-D | ND | | 1 | 2.0 | 0.40 | ug/L | 02/12/2009 1329 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 94 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Herbicides by GC - LCS

Sample ID: KQ94797-002
Batch: 94797
Analytical Method: 8151A

Matrix: Aqueous
Prep Method: 8151A
Prep Date: 02/09/2009 1451

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 2,4,5-T | 10 | 10 | | 1 | 101 | 56-125 | 02/12/2009 1353 |
| 2,4,5-TP (Silvex) | 10 | 10 | | 1 | 103 | 56-132 | 02/12/2009 1353 |
| 2,4-D | 10 | 11 | | 1 | 112 | 59-139 | 02/12/2009 1353 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 96 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Herbicides by GC - MS

Sample ID: KB04015-001MS
Batch: 94797
Analytical Method: 8151A

Matrix: Aqueous
Prep Method: 8151A
Prep Date: 02/09/2009 1451

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| 2,4-D | ND | 22 | 23 | N | 1 | -99 | 59-139 | 02/12/2009 1854 |
| 2,4,5-T | 2.6 | 22 | 20 | | 1 | 91 | 56-125 | 02/12/2009 1854 |
| 2,4,5-TP (Silvex) | 14 | 22 | 22 | N | 1 | 8.7 | 56-132 | 02/12/2009 1854 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 88 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# Herbicides by GC - MSD

Sample ID: KB04015-001MD
Batch: 94797
Analytical Method: 8151A

Matrix: Aqueous
Prep Method: 8151A
Prep Date: 02/09/2009 1451

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,4-D | ND | 22 | 25 | N | 1 | -92 | 6.4 | 59-139 | 40 | 02/12/2009 1917 |
| 2,4,5-T | 2.6 | 22 | 23 | | 1 | 103 | 12 | 56-125 | 40 | 02/12/2009 1917 |
| 2,4,5-TP (Silvex) | 14 | 22 | 23 | N | 1 | 16 | 6.8 | 56-132 | 40 | 02/12/2009 1917 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 95 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# RCRA Metals - MB

Sample ID: KQ94905-001
Batch: 94905
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 02/10/2009 1840

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 1 | 0.010 | 0.0040 | mg/L | 02/11/2009 1253 |
| Barium | ND | | 1 | 0.025 | 0.0075 | mg/L | 02/11/2009 1253 |
| Cadmium | ND | | 1 | 0.0020 | 0.00060 | mg/L | 02/11/2009 1253 |
| Chromium | ND | | 1 | 0.0050 | 0.0021 | mg/L | 02/11/2009 1253 |
| Lead | 0.0050 | J | 1 | 0.010 | 0.0019 | mg/L | 02/11/2009 1253 |
| Selenium | 0.0031 | J | 1 | 0.010 | 0.0026 | mg/L | 02/11/2009 1253 |
| Silver | 0.0013 | J | 1 | 0.0050 | 0.00040 | mg/L | 02/11/2009 1253 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# RCRA Metals - LCS

Sample ID: KQ94905-002
Batch: 94905
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 02/10/2009 1840

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Arsenic | 0.40 | 0.40 | | 1 | 99 | 80-120 | 02/11/2009 1259 |
| Barium | 2.0 | 1.8 | | 1 | 92 | 80-120 | 02/11/2009 1259 |
| Cadmium | 0.40 | 0.36 | | 1 | 91 | 80-120 | 02/11/2009 1259 |
| Chromium | 2.0 | 1.8 | | 1 | 92 | 80-120 | 02/11/2009 1259 |
| Lead | 0.40 | 0.38 | | 1 | 96 | 80-120 | 02/11/2009 1259 |
| Selenium | 0.40 | 0.38 | | 1 | 96 | 80-120 | 02/11/2009 1259 |
| Silver | 0.40 | 0.38 | | 1 | 95 | 80-120 | 02/11/2009 1259 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# RCRA Metals - LCSD

Sample ID: KQ94905-003
Batch: 94905
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 02/10/2009 1840

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.40 | 0.40 | | 1 | 101 | 2.0 | 80-120 | 20 | 02/11/2009 1306 |
| Barium | 2.0 | 1.9 | | 1 | 94 | 2.1 | 80-120 | 20 | 02/11/2009 1306 |
| Cadmium | 0.40 | 0.37 | | 1 | 93 | 2.2 | 80-120 | 20 | 02/11/2009 1306 |
| Chromium | 2.0 | 1.9 | | 1 | 94 | 2.4 | 80-120 | 20 | 02/11/2009 1306 |
| Lead | 0.40 | 0.39 | | 1 | 97 | 1.6 | 80-120 | 20 | 02/11/2009 1306 |
| Selenium | 0.40 | 0.39 | | 1 | 98 | 1.9 | 80-120 | 20 | 02/11/2009 1306 |
| Silver | 0.40 | 0.39 | | 1 | 97 | 2.0 | 80-120 | 20 | 02/11/2009 1306 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# RCRA Metals - MS

Sample ID: KB04015-005MS
Batch: 94905
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 02/10/2009 1840

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | 0.40 | 0.39 | | 1 | 98 | 75-125 | 02/11/2009 1524 |
| Barium | 0.022 | 2.0 | 1.8 | | 1 | 91 | 75-125 | 02/11/2009 1524 |
| Cadmium | ND | 0.40 | 0.36 | | 1 | 90 | 75-125 | 02/11/2009 1524 |
| Chromium | ND | 2.0 | 1.8 | | 1 | 91 | 75-125 | 02/11/2009 1524 |
| Lead | 0.0038 | 0.40 | 0.38 | | 1 | 93 | 75-125 | 02/11/2009 1524 |
| Selenium | ND | 0.40 | 0.38 | | 1 | 94 | 75-125 | 02/11/2009 1524 |
| Silver | ND | 0.40 | 0.38 | | 1 | 94 | 75-125 | 02/11/2009 1524 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# RCRA Metals - MSD

Sample ID: KB04015-005MD
Batch: 94905
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 02/10/2009 1840

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | 0.40 | 0.41 | | 1 | 102 | 4.2 | 75-125 | 20 | 02/11/2009 1556 |
| Barium | 0.022 | 2.0 | 1.9 | | 1 | 95 | 4.2 | 75-125 | 20 | 02/11/2009 1556 |
| Cadmium | ND | 0.40 | 0.37 | | 1 | 93 | 2.8 | 75-125 | 20 | 02/11/2009 1556 |
| Chromium | ND | 2.0 | 1.9 | | 1 | 95 | 3.6 | 75-125 | 20 | 02/11/2009 1556 |
| Lead | 0.0038 | 0.40 | 0.39 | | 1 | 97 | 3.7 | 75-125 | 20 | 02/11/2009 1556 |
| Selenium | ND | 0.40 | 0.39 | | 1 | 98 | 3.6 | 75-125 | 20 | 02/11/2009 1556 |
| Silver | ND | 0.40 | 0.39 | | 1 | 98 | 4.1 | 75-125 | 20 | 02/11/2009 1556 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# RCRA Metals - MS

Sample ID: KB04015-006MS
Batch: 94905
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 02/10/2009 1840

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | 0.40 | 0.39 | | 1 | 96 | 75-125 | 02/11/2009 1616 |
| Barium | 0.040 | 2.0 | 1.8 | | 1 | 89 | 75-125 | 02/11/2009 1616 |
| Cadmium | ND | 0.40 | 0.35 | | 1 | 88 | 75-125 | 02/11/2009 1616 |
| Chromium | ND | 2.0 | 1.8 | | 1 | 90 | 75-125 | 02/11/2009 1616 |
| Lead | 0.0027 | 0.40 | 0.37 | | 1 | 91 | 75-125 | 02/11/2009 1616 |
| Selenium | 0.0042 | 0.40 | 0.37 | | 1 | 91 | 75-125 | 02/11/2009 1616 |
| Silver | 0.0025 | 0.40 | 0.37 | | 1 | 92 | 75-125 | 02/11/2009 1616 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# RCRA Metals - MB

Sample ID: KQ94906-001
Batch: 94906
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 02/10/2009 1840

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 1 | 0.010 | 0.0040 | mg/L | 02/11/2009 1709 |
| Barium | ND | | 1 | 0.025 | 0.0075 | mg/L | 02/11/2009 1709 |
| Cadmium | ND | | 1 | 0.0020 | 0.00060 | mg/L | 02/11/2009 1709 |
| Chromium | ND | | 1 | 0.0050 | 0.0021 | mg/L | 02/11/2009 1709 |
| Lead | 0.0065 | J | 1 | 0.010 | 0.0019 | mg/L | 02/11/2009 1709 |
| Selenium | 0.0026 | J | 1 | 0.010 | 0.0026 | mg/L | 02/11/2009 1709 |
| Silver | 0.0044 | J | 1 | 0.0050 | 0.00040 | mg/L | 02/11/2009 1709 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# RCRA Metals - LCS

Sample ID: KQ94906-002
Batch: 94906
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 02/10/2009 1840

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Arsenic | 0.40 | 0.39 | | 1 | 98 | 80-120 | 02/11/2009 1715 |
| Barium | 2.0 | 1.8 | | 1 | 92 | 80-120 | 02/11/2009 1715 |
| Cadmium | 0.40 | 0.36 | | 1 | 91 | 80-120 | 02/11/2009 1715 |
| Chromium | 2.0 | 1.8 | | 1 | 92 | 80-120 | 02/11/2009 1715 |
| Lead | 0.40 | 0.38 | | 1 | 95 | 80-120 | 02/11/2009 1715 |
| Selenium | 0.40 | 0.38 | | 1 | 95 | 80-120 | 02/11/2009 1715 |
| Silver | 0.40 | 0.38 | | 1 | 96 | 80-120 | 02/11/2009 1715 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# RCRA Metals - LCSD

Sample ID: KQ94906-003
Batch: 94906
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 02/10/2009 1840

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.40 | 0.41 | | 1 | 102 | 3.2 | 80-120 | 20 | 02/11/2009 1722 |
| Barium | 2.0 | 1.9 | | 1 | 95 | 2.3 | 80-120 | 20 | 02/11/2009 1722 |
| Cadmium | 0.40 | 0.37 | | 1 | 94 | 3.2 | 80-120 | 20 | 02/11/2009 1722 |
| Chromium | 2.0 | 1.9 | | 1 | 95 | 2.9 | 80-120 | 20 | 02/11/2009 1722 |
| Lead | 0.40 | 0.39 | | 1 | 97 | 2.7 | 80-120 | 20 | 02/11/2009 1722 |
| Selenium | 0.40 | 0.38 | | 1 | 96 | 0.99 | 80-120 | 20 | 02/11/2009 1722 |
| Silver | 0.40 | 0.39 | | 1 | 97 | 1.5 | 80-120 | 20 | 02/11/2009 1722 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# CVAA - MB

Sample ID: KQ94915-001
Batch: 94915
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 02/10/2009 2214

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1 | 0.00010 | 0.000053 | mg/L | 02/11/2009 1751 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# CVAA - LCS

Sample ID: KQ94915-002
Batch: 94915
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 02/10/2009 2214

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0020 | 0.0020 | | 1 | 100 | 85-115 | 02/11/2009 1752 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

# CVAA - LCSD

Sample ID: KQ94915-003
Batch: 94915
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 02/10/2009 2214

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.0020 | 0.0020 | | 1 | 100 | 0.70 | 85-115 | 20 | 02/11/2009 1753 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

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# ARCADIS

Laboratory Task Order No./P.O. No. _____

## CHAIN-OF-CUSTODY RECORD

Page ____ of ____

KBU4015

Project Number/Name GPO#AFS, HOIA NALTM

Project Location Former Fire TNG AREA, HAA

Laboratory Shealy Environmental SVCS

Project Manager Chuck Bertz

Sampler(s)/Affiliation J. OSCKEN

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | ANALYSIS / METHOD / SIZE: VOC-8260B 40ml vial HCl/4°C | SVOCs-8270C 1lt Amber glass 4°C | Pesticides/Herbicide 1lt Amber glass 4°C | Metals 500 ml plastic nitric acid | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HMW-09(020309) | L | 2-3-09/0825 | | 3 | 2 | 3 | 1 | | | | |
| HMW-08(020309) | L | 2-3-09/0905 | | 3 | 2 | 3 | 1 | | | | |
| TRIP BLANK 2(020309) | L | 2-3-09 | | 2 | | | | | | | |

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by: | | Organization: ARCADIS | Date 2/3/09 | Time 1300 | Seal Intact? | | |
| Received by: | | Organization: | Date / / | Time | Yes | No | N/A |
| Relinquished by: FedEx | | Organization: FedEx | Date 2/4/09 | Time 0940 | Seal Intact? | | |
| Received by: | | Organization: Shealy Envl | Date 2/4/09 | Time 0940 | Yes | No | N/A |

Special Instructions/Remarks:

T = 3.7

Delivery Method: ☐ In Person ☑ Common Carrier FedEx (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 09-12/01

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# ARCADIS

Laboratory Task Order No./P.O. No. _____

## CHAIN-OF-CUSTODY RECORD

Page ____ of ____

KB04015

Project Number/Name GPO HAFS. HOIA. NALTM

Project Location FORMER FIRE TNG AREA, HAA

Laboratory Shealy Environmental

Project Manager Cheick Bertz

Sampler(s)/Affiliation J. O'BRIEN

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | ANALYSIS / METHOD / SIZE: VOCs-8260B 40 ml Vials HCl/<4°C | SVOCs-8270C 1 lt Amber glass <4°C | Pesticides (Herbicides) 1 lt Amber glass <4°C | Metals 500 ml Plastic Acetic Acid | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HMW-11(020309) | L | 2-3-09/1320 | | 3 | 2 | 3 | 1 | | | | |
| HMW-06(020309) | L | 2-3-09/1430 | | 3 | 2 | 3 | 1 | | | | |
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Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers

| | | | | | | Seal Intact? |
|---|---|---|---|---|---|---|
| Relinquished by: [signature] | Organization: ARCADIS | Date 2/3/09 | Time 1830 | | | |
| Received by: _____ | Organization: _____ | Date / / | Time _____ | | | Yes No N/A |
| Relinquished by: [signature] | Organization: FEDEX | Date 2/4/09 | Time 0940 | | | Seal Intact? |
| Received by: [signature] | Organization: Shealy Envl | Date 2/4/09 | Time 0940 | | | (Yes) No N/A |

Special Instructions/Remarks: _____

T = 3.6

Delivery Method: ☐ In Person ☑ Common Carrier FEDEX (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AL 05 12/01

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# ARCADIS

Laboratory Task Order No./P.O. No. _____

## CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Project Number/Name GPO HAFS, HOIA, NALTM
Project Location Former Fire Trng Area, HAA
Laboratory Shealy Environmental
Project Manager Chuck Bertz
Sampler(s)/Affiliation J. O'BRIEN

KB04015

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | ANALYSIS / METHOD / SIZE: VOCs-8260B 40 ml vials HCl/<4°C | SVOCs-8270C 1 1/4 amber glass <4°C | pesticides/Herbicides 1 1/4 amber glass <4°C | metals 500ml plastic Nitric Acid | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HMW-23(020309) | L | 2-3-09/1200 | | 3 | 2 | 3 | 1 | | | | |
| HMW-24(020309) | L | 2-3-09/1245 | | 3 | 2 | 3 | 1 | | | | |
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Total No. of Bottles/ Containers

Sample Matrix: L = Liquid; S = Solid; A = Air

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| Relinquished by: [signature] | Organization: ARCADIS | Date 2/3/09 | Time 1830 | | | |
| Received by: _____ | Organization: _____ | Date / / | Time _____ | | | Yes No N/A |
| Relinquished by: [signature] | Organization: FEDEX | Date 2/4/09 | Time 0940 | | | Seal Intact? |
| Received by: [signature] | Organization: Shealy Envl | Date 2/4/09 | Time 0940 | | | Yes No N/A |

Special Instructions/Remarks: T = 4.0

Delivery Method: ☐ In Person ☐ Common Carrier FEDEX (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-1201



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Laboratory Task Order No./P.O. No. _____

# CHAIN-OF-CUSTODY RECORD

Page _____ of _____

Project Number/Name GROHAFS-HOIA-NALTM

Project Location Former Fire Trng Area HAA

Laboratory Shealy Environmental

Project Manager Chuck Bertz

Sampler(s)/Affiliation J. O'BRIEN

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | ANALYSIS / METHOD / SIZE: VOCs-8260B 40 ml vials Hcl/<4°C | SVOCs-8270C 1 lt amber glass <4°C | Pesticides/Herbicides 1 lt Amber glass <4°C | metals 500 ml plastic Nitric Acid | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HMW-04(020309) | L | 02-03-09/0950 | | 3 | 2 | 3 | 1 | | | | |
| HMW-10(020309) | L | 02-03-09/1040 | | 3 | 2 | 3 | 1 | | | | |
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| | | | | | | | | | | Total No. of Bottles/ Containers | |

Sample Matrix: L = Liquid; S = Solid; A = Air

| | | | | | | Seal Intact? |
|---|---|---|---|---|---|---|
| Relinquished by: | | Organization: ARCADIS | Date 2/3/09 | Time 1300 | | |
| Received by: | | Organization: | Date / / | Time | | Yes No N/A |
| Relinquished by: | | Organization: FEDEX | Date 2/4/09 | Time 0940 | | Seal Intact? |
| Received by: | | Organization: Shealy Envl | Date 2/4/09 | Time 0940 | | (Yes) No N/A |

Special Instructions/Remarks: T = 3.0

Delivery Method: ☐ In Person ☐ Common Carrier FEDEX (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AC 05-12(E)

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# ARCADIS

Laboratory Task Order No./P.O. No. _____

## CHAIN-OF-CUSTODY RECORD

Page ____ of ____

KB04015

Project Number/Name GPOHAFS-HOJA-WALTM

Project Location Former Fire Trg Area, HAA

Laboratory Shealy Environmental SVCs

Project Manager Chuck Bertz

Sampler(s)/Affiliation J. OBRIEN

| Sample ID/Location | Matrix | Date/Time Sampled | Lab ID | ANALYSIS / METHOD / SIZE: VOCs-8260 B 40 ml vials Hcl/<4°C | SVOCs-8270C 1 lt Amber glass <4°C | Pesticides Herbicides 1 lt Amber glass <4°C | metals 500 ml plastic Nitric Acid | | | Remarks | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HMW-02(020209) | L | 2-2-09/1110 | | 3 | 2 | 3 | 1 | | | | |
| HMW-13(020209) | L | 2-2-09/1145 | | 3 | 2 | 3 | 1 | | | | |
| TRIPBLANK(020209) | L | 2-2-09 | | 2 | | | | | | | |
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Total No. of Bottles/ Containers

Sample Matrix: L = Liquid; S = Solid; A = Air

| | | | | | | |
|---|---|---|---|---|---|---|
| Relinquished by: [signature] | Organization: ARCADIS | Date 2/3/09 | Time 1300 | Seal Intact? | | |
| Received by: [signature] ECA 2/4/09 | Organization: | Date / / | Time | Yes | No | N/A |
| Relinquished by: [signature] Courier | Organization: FEDEX | Date 2/4/09 | Time 0940 | ~~Seal~~ Intact? | | |
| Received by: [signature] | Organization: Shealy Envl | Date 2/4/09 | Time 0940 | Yes | No | N/A |

Special Instructions/Remarks: T = 2.9

Delivery Method: ☐ In Person ☒ Common Carrier FED EX (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AQ 05-12/01

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 6


Replaces Date: 09/22/06
Effective Date: 05/29/07

# Sample Receipt Checklist (SRC)

Client: Arcadis  Cooler Inspected by/date: tcw 5/4/09  Lot #: KB 04015

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

| | | | |
|---|---|---|---|
| Yes ☑ | No ☐ | NA ☐ | 1. Were custody seals present on the cooler? |
| Yes ☑ | No ☐ | NA ☐ | 2. If custody seals were present, were they intact and unbroken? |

Cooler ID/temperature upon receipt 3.1 °C 3.1 °C 4.1 °C 3.1 °C
2.1 °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

| | | | |
|---|---|---|---|
| Yes ☐ | No ☐ | NA ☑ | 3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately. |
| Yes ☑ | No ☐ | NA ☐ | 4. Is the commercial courier's packing slip attached to this form? |
| Yes ☐ | No ☑ | NA ☐ | 5. Were proper custody procedures (relinquished/received) followed? |
| Yes ☑ | No ☐ | NA ☐ | 6. Were sample IDs listed? |
| Yes ☑ | No ☐ | NA ☐ | 7. Was collection date & time listed? |
| Yes ☑ | No ☐ | NA ☐ | 8. Were tests to be performed listed on the COC or was quote # provided? |
| Yes ☑ | No ☐ | NA ☐ | 9. Did all samples arrive in the proper containers for each test? |
| Yes ☑ | No ☐ | NA ☐ | 10. Did all container label information (ID, date, time) agree with COC? |
| Yes ☑ | No ☐ | NA ☐ | 11. Did all containers arrive in good condition (unbroken, lids on, etc.)? |
| Yes ☑ | No ☐ | NA ☐ | 12. Was adequate sample volume available? |
| Yes ☑ | No ☐ | NA ☐ | 13. Were all samples received within ½ the holding time or 48 hours, whichever comes first? |
| Yes ☐ | No ☑ | NA ☐ | 14. Were any samples containers missing? |
| Yes ☐ | No ☑ | NA ☐ | 15. Were there any excess samples not listed on COC? |
| Yes ☐ | No ☑ | NA ☐ | 16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials? |
| Yes ☑ | No ☐ | NA ☐ | 17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2? |
| Yes ☐ | No ☐ | NA ☑ | 18. Were all cyanide and/or sulfide samples received at a pH >12? |
| Yes ☐ | No ☐ | NA ☑ | 19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine? |
| Yes ☐ | No ☐ | NA ☑ | 20. Were collection temperatures documented on the COC for NC samples? |

**Sample Preservation** (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ ($H_2SO_4$,$HNO_3$,HCl,NaOH) with the SR # (number)

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s)_____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

**Corrective Action taken, if necessary:**

Was client notified: Yes ☐ No ☐  Did client respond: Yes ☐ No ☐
SESI employee:_____  Date of response:_____
Comments:_____

**HUNTER STEWART**
**ELECTRONIC VALIDATION REVIEW REPORT**
**SDGs: KB04015, KB04016, KB06004, and KB09011**
**February 2008**

Analytical data were evaluated in accordance with applicable USEPA SW-846 method requirements, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (October 1999), analytical method control criteria, the analytical laboratory Quality Assurance Control Limits, the Fort Stewart Military Reservation and Hunter Army Airfield Quality Assurance Project Plan (ARCADIS-2008), and professional judgment.

The data review summarized in this report includes a review of all sample collection documentation and the electronic data validation of the analytical data housed in the project database. Sample collection documentation included sample collection logs and chains of custody. The electronic data validation was performed utilizing the EQuIS Data Qualification Module (DQM). DQM checks for the following parameters:

- Holding times and preservation;
- Blank contamination;
  - Method blanks,
  - Trip blanks,
  - Equipment blanks;
- Matrix spike and Duplicate sample recovery;
- Matrix Spike and Matrix Spike Duplicate relative percent differences;
- Laboratory Control Sample and Duplicate recovery;
- Laboratory Control Sample and Duplicate relative percent differences;
- Surrogate recovery (organic analyses only); and
- Field duplicate relative percent difference.

Manual review was performed for the following items:

- Sample dilutions and reporting limits;
- Case Narratives; and
- Laboratory Duplicates

Data was generated by Shealy Environmental Services, Inc. – West Columbia, South Carolina. Data qualifiers were applied electronically to the database with any additional qualifiers added manually. A summary of the data as amended by data qualifiers is included with the original hard copy reports.

The attached table summarizes the data that were qualified due to QC deficiencies. The table indicates compounds/analytes qualified based on electronic and manual validation. Refer to the associated method section of the validation checklist for a detailed explanation of qualification. All other data in these SDGs are considered usable as reported.

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The following list of data qualifiers and definitions were applied in accordance with qualification criteria defined in the above guidance documents:

UB Compound/analyte detected in blank or associated blank, qualified as a non-detect at listed value.

J The analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reporting limit; however, the reported quantitation limit is approximate and may, or may not represent the actual limit of quantitation necessary to accurately and precisely measure analyte in the sample.

R The sample result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria; and the presence or absence of the analyte cannot be verified.

U Not detected at the quantitative reporting limit

| | | |
|---|---|---|
| DQM RUN BY: | Rachelle Borne | February 27, 2009 |
| REVIEW PERFORMED BY: | Rachelle Borne | March 1, 2009 |
| SIGNATURE: |  | March 9, 2009 |
| PEER REVIEW: | Jane Kennedy | March 1, 2009 |

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**The following samples were included in this SDG:**

| sample delivery group | sys sample code | sample date | parent sample |
|---|---|---|---|
| KB06004 | MW-1 (020409) | 2/4/2009 | |
| KB04016 | COE-MW-01 (020309) | 2/3/2009 | |
| KB04016 | COE-MW-02 (020309) | 2/3/2009 | |
| KB04016 | COE-MW-03 (020309) | 2/3/2009 | |
| KB04016 | COE-MW-04 (020409) | 2/4/2009 | |
| KB04016 | COE-MW-05 (020409) | 2/4/2009 | |
| KB04016 | COE-MW-06 (020409) | 2/4/2009 | |
| KB04016 | COE-MW-07 (020409) | 2/4/2009 | |
| KB04016 | COE-MW-08 (020409) | 2/4/2009 | |
| KB04016 | HMW-14R (020309) | 2/3/2009 | |
| KB04016 | HMW-21 (020409) | 2/4/2009 | |
| KB04016 | Trip Blank1 (020309) | 2/3/2009 | |
| KB04016 | Trip Blank1 (020409) | 2/5/2009 | |
| KB04015 | HMW-02 (020209) | 2/2/2009 | |
| KB04015 | HMW-04 (020309) | 2/3/2009 | |
| KB04015 | HMW-06 (020309) | 2/3/2009 | |
| KB04015 | HMW-08 (020309) | 2/3/2009 | |
| KB04015 | HMW-09 (020309) | 2/3/2009 | |
| KB04015 | HMW-10 (020309) | 2/3/2009 | |
| KB04015 | HMW-11 (020309) | 2/3/2009 | |
| KB04015 | HMW-13 (020209) | 2/2/2009 | |
| KB04015 | HMW-23 (020309) | 2/3/2009 | |
| KB04015 | HMW-24 (020309) | 2/3/2009 | |
| KB04015 | Trip Blank1 (020209) | 2/2/2009 | |
| KB04015 | Trip Blank2 (020309) | 2/3/2009 | |
| KB09011 | 35-MW-02 (020609) | 2/6/2009 | |
| KB09011 | 35-MW-03 (020609) | 2/6/2009 | |
| KB09011 | 35-MW-04 (020609) | 2/6/2009 | |
| KB09011 | 35-MW-05 (020609) | 2/6/2009 | |
| KB09011 | 35-MW-06 (020509) | 2/5/2009 | |
| KB09011 | 35-MW-08 (020509) | 2/5/2009 | |
| KB09011 | 35-MW-12 (020609) | 2/6/2009 | |
| KB09011 | 35-MW-30 (020509) | 2/5/2009 | |
| KB09011 | 35-MW-31 (020509) | 2/5/2009 | |
| KB09011 | 35-MW-32 (020509) | 2/5/2009 | |
| KB09011 | 35-MW-34 (020509) | 2/5/2009 | |
| KB09011 | 35-MW-40 (020509) | 2/5/2009 | |
| KB09011 | Trip Blank | 2/6/2009 | |

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ANALYTICAL DATA PACKAGE DOCUMENTATION

**GENERAL INFORMATION**

| Items Reviewed | Reported | | Performance Acceptable | | Not Required |
|---|---|---|---|---|---|
| | No | Yes | No | Yes | |
| 1. Sample results | | X | | X | |
| 2. Parameters analyzed | | X | | X | |
| 3. Methods of analysis | | X | | X | |
| 4. Reporting limits of analysis | | X | | X | |
| 5. Master tracking list | | X | | X | |
| 6. Sample collection date | | X | | X | |
| 7. Laboratory sample received date | | X | | X | |
| 8. Sample preparation/extraction date | | X | | X | |
| 9. Sample analysis date | | X | | X | |
| 10. Copy of chain-of-custody form signed by lab sample custodian | | X | | X | |
| 11. Narrative summary of QA or sample problems provided | | X | | X | |
| 12. Laboratory Signature | | X | | X | |
| 13. South Carolina Certification Number | | X | | X | |

QA - quality assurance

The analytical report was complete with the following exceptions or notations.

Note: the laboratory reported values between the quantitative reporting limit and the method detection limit as estimated concentrations. The "J" qualifier was retained in this validation. Non-detect values are reported at the quantitative reporting limit.

(KB04016) The trip blank was not listed on the chain of custody. VOCs analysis was performed and reported.

(KB09011) The trip blank was not listed on the chain of custody. VOCs analysis was performed and reported.

The following field QC samples were collected and included in this SDG:

| Date Collected | QC Sample ID | Associated Samples | QC Type | SDG Number |
|---|---|---|---|---|
| 2/2/2009 | Trip Blank1 (020209) | Samples shipped 02/02/09 | Trip Blank | KB04015 |
| 2/3/2009 | Trip Blank1 (020309) | Samples shipped 02/03/09 | Trip Blank | KB04016 |
| 2/5/2009 | Trip Blank1 (020409) | Samples shipped 02/04/09 | Trip Blank | KB04016 |
| 2/3/2009 | Trip Blank2 (020309) | Samples shipped 02/03/09 | Trip Blank | KB04015 |

Comments:

All analyses were performed by Shealy Environmental Services, Inc. – West Columbia, South Carolina.

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## VOLATILE ORGANIC COMPOUNDS

| Items Reviewed | DQM Deficiency | | Qualification Applied | |
|---|---|---|---|---|
| | No | Yes | No | Yes |
| 1. Holding times/Preservation | DQM | | DQM | |
| 2. Reporting limits | M | | M | |
| 3. Blanks<br>A. Method blanks | DQM | DQM | | |
| B. Equipment blanks | NA | | NA | |
| C. Trip blanks | DQM | DQM | | |
| 4. Surrogate spike recoveries | DQM | | DQM | |
| 5. Laboratory control sample (LCS)<br>A. LCS %R | DQM | | DQM | |
| B. LCS duplicate (LCSD) %R | DQM | | DQM | |
| C. LCS/LCSD RPD | DQM | | DQM | |
| 6. Matrix spike (MS)<br>A. MS %R | NA | | NA | |
| B. MS duplicate (MSD) %R | NA | | NA | |
| C. MS/MSD precision (RPD) | NA | | NA | |
| 7. Field Duplicate precision (RPD) | NA | | NA | |

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8260.

2. (All SDGs) Several samples were analyzed at dilutions due to elevated concentrations of target analytes. In several cases there were elevated reporting limits for non-detect results.

3A. (KB04015 and KB04016) Isoproplybenzene, tetrachloroethene, and 1,2,4-trichlorobenzene were detected in the method blank for batch 94922. The associated field samples are qualified as non-detect if the sample concentration is less than five times the blank value for these compounds. See attached qualification summary for details of the qualifications.

(KB04016) 1,2,4-Trichlorobenzene was detected in the method blank for batch 94994. The associated field samples were non-detect for this compound. No qualification is necessary.

3C. (KB04015) Isopropylbenzene was detected in Trip Blank 1(020209). The associated field samples are qualified as non-detect if the sample concentration is less than five times the blank value for this compounds. See attached qualification summary for details of the qualifications.

(KB04016) Chloroform was detected in Trip Blank1(020409). The associated field samples were non-detect for chloroform. No qualification is necessary.

6. (All SDGs) Site-specific MS/MSD analyses were not included with the data packages. Method control was established with the LCS/LCSD analyses.

## SEMIVOLATILE ORGANIC COMPOUNDS

| Items Reviewed | DQM Deficiency | | Qualification Applied | |
|---|---|---|---|---|
| | No | Yes | No | Yes |
| 1. Holding times/Preservation | DQM | | DQM | |
| 2. Reporting limits | M | | M | |
| 3. Blanks | | | | |
| A. Method blanks | DQM | | DQM | |
| B. Equipment blanks | NA | | NA | |
| 4. Surrogate spike recoveries | DQM | | DQM | |
| 5. Laboratory control sample (LCS) | | | | |
| A. LCS %R | DQM | | DQM | |
| B. LCS duplicate (LCSD) %R | NA | | NA | |
| C. LCS/LCSD RPD | NA | | NA | |
| 6. Matrix spike (MS) | | | | |
| A. MS %R | DQM | | DQM | |
| B. MS duplicate (MSD) %R | | DQM | | DQM |
| C. MS/MSD precision (RPD) | | DQM | DQM | |
| 7. Field Duplicate precision (RPD) | NA | | NA | |

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8270.

6. (KB04015) HMW-09(020309) was used for the MS/MSD. The recovery of bis(2-ethylhexyl)phthalate was below the control limit in the MSD. All samples analyzed in the analytical batch are qualified as estimated. See attached qualification summary for details of the qualifications. Several RPDS were above the control limit. The parent sample was non-detect for these compounds. No qualification is necessary.

## ORGANOCHLORINE HERBICIDES

| Items Reviewed | DQM Deficiency | | Qualification Applied | |
|---|---|---|---|---|
| | No | Yes | No | Yes |
| 1. Holding times/Preservation | DQM | | DQM | |
| 2. Reporting limits | M | | M | |
| 3. Blanks | | | | |
| A. Method blanks | DQM | | DQM | |
| B. Equipment blanks | NA | | NA | |
| 4. Surrogate spike recoveries | DQM | | DQM | |
| 5. Laboratory control sample (LCS) | | | | |
| A. LCS %R | DQM | | DQM | |
| B. LCS duplicate (LCSD) %R | NA | | NA | |
| C. LCS/LCSD RPD | NA | | NA | |
| 6. Matrix spike (MS) | | | | |
| A. MS %R | | DQM | | DQM |
| B. MS duplicate (MSD) %R | | DQM | | DQM |
| C. MS/MSD precision (RPD) | DQM | | DQM | |
| 7. Field Duplicate precision (RPD) | NA | | NA | |

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8151.

Note: The "P" qualifier used by the laboratory indicates that the %D between the two GC columns differed by more than 40%. The "P' was changed to a "J" in the validation to indicate that the reported concentration is estimated. See qualification summary for details of the qualifications.

5. (KB04015) HMW-09(020309) was used for the MS/MSD. The recovery of 2,4-D and 2,4,5-TP(Silvex) was below the control limit in the MS and the MSD. All samples in the analytical batch are qualified as estimated for these compounds based on professional judgment. See attached qualification summary for details of the qualifications.

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## ORGANOCHLORINE PESTICIDES

| Items Reviewed | DQM Deficiency | | Qualification Applied | |
|---|---|---|---|---|
| | No | Yes | No | Yes |
| 1. Holding times/Preservation | DQM | | DQM | |
| 2. Reporting limits | M | | M | |
| 3. Blanks<br>A. Method blanks | DQM | | DQM | |
| B. Equipment blanks | NA | | NA | |
| 4. Surrogate spike recoveries | DQM | | DQM | |
| 5. Laboratory control sample (LCS)<br>A. LCS %R | | DQM | | DQM |
| B. LCS duplicate (LCSD) %R | DQM | | DQM | |
| C. LCS/LCSD RPD | DQM | | DQM | |
| 6. Matrix spike (MS)<br>A. MS %R | NA | | NA | |
| B. MS duplicate (MSD) %R | NA | | NA | |
| C. MS/MSD precision (RPD) | NA | | NA | |
| 7. Field Duplicate precision (RPD) | NA | | NA | |

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 8081.

Note: The "P" qualifier used by the laboratory indicates that the %D between the two GC columns differed by more than 40%. The "P' was changed to a "J" in the validation to indicate that the reported concentration is estimated. See qualification summary for details of the qualifications.

5. (KB04016) The recovery of Endosulfan I and Endosulfan II was below the control limit in the LCS for batch 94881. All samples analyzed in the analytical batch are qualified as estimated for these compounds. See attached qualification summary for details of the qualifications.

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## METALS

| Items Reviewed | DQM Deficiency | | Qualification Applied | |
|---|---|---|---|---|
| | No | Yes | No | Yes |
| 1. Holding times/Preservation | DQM | | DQM | |
| 2. Reporting limits | M | | M | |
| 3. Blanks | | | | |
| A. Method blanks | DQM | DQM | | |
| B. Equipment blanks | NA | | NA | |
| 4. Laboratory control sample (LCS) | | | | |
| A. LCS %R | DQM | | DQM | |
| B. LCS duplicate (LCSD) %R | DQM | | DQM | |
| C. LCS/LCSD RPD | DQM | | DQM | |
| 5. Matrix spike (MS) | | | | |
| A. MS %R | | DQM | | DQM |
| B. MS duplicate (MSD) %R | DQM | | DQM | |
| C. MS/MSD precision (RPD) | DQM | | DQM | |
| 6. Field Duplicate precision (RPD) | NA | | NA | |

M – Manual Review %R - percent recovery RPD - relative percent difference DQM – Data Qualification Module

Comments:
This section presents a discussion of any additions or changes to the electronic data validation for compounds analyzed by Method 6010 and 7470A.

3A. (KB04015 and KB04016) Lead, selenium, and silver were detected in the method blank for batches 94905 and 94906. The associated field samples are qualified as non-detect if the sample concentration is less than ten times the blank value for these compounds. See attached qualification summary for details of the qualifications.

5. (KB04015) HMW-06(020309) was used for the MS/MSD. The recoveries and RPD were acceptable.

(KB04015) HMW-23(020309) was used for the MS. The recovery was acceptable.

(KB04016) COE-MW-07(020409) was used for the MS/MSD. The recoveries and RPD were acceptable.

(KB04016) COE-MW-05(020409) was used for the MS. The recovery was acceptable.

(KB04016) COE-MW-03(020309) was used for the MS/MSD for mercury. The recoveries and RPD were acceptable.

(KB04016) COE-MW-08(020409) was used for the MS for mercury. The recovery was acceptable.

(KB04016) COE-MW-07(020409) was used for the MS for mercury. The recovery of mercury was below the control limit in the MS. The parent sample only is qualified as estimated for mercury based on professional judgment and other site-specific MS recoveries.