

Facility Name: Former Building 728

Facility ID #: 9-025049

POTENTIAL RECEPTORS (MUST BE FIELD-VERIFIED)

Distance from nearest contaminant plume boundary to the nearest downgradient and hydraulically connected Point of Withdrawal for water supply. **If the point of withdrawal is not hydraulically connected, evidence as outlined in the CAP-A guidance document MUST be presented to substantiate this claim.**

H. Public Water Supply

- ☐ Impacted = 2000
☐ ≤500' = 500
☐ >500' - ¼ mi = 25
☐ ¼ mi - 1 mi = 10
☐ >1 mi - 2 mi = 2

* ☒ > 2 mi = 0

For lower susceptibility areas only:

- ☐ >1 mi = 0

Note: If site is in lower susceptibility area, do not use the shaded areas.

* For justification that withdrawal point is not hydraulically connected, see attached text.

I. Non-Public Water Supply

- ☐ Impacted = 1000
☐ ≤100' = 500
☐ >100' - 500' = 25
☐ >500' - ¼ mi = 5
☐ >¼ - ½ mi = 2

☒ >½ mi = 0

For lower susceptibility areas only:

- ☐ >¼ mi = 0

J. Distance from nearest Contaminant Plume boundary to downgradient Surface Waters
OR UTILITY TRENCHES & VAULTS (a utility trench may be omitted from ranking if its invert elevation is more than 5 feet above the water table)

- ☐ Impacted = 500
☒ ≤500' = 50
☐ >500' - 1,000' = 5
☐ >1,000' = 2

K. Distance from any Free Product to basements and crawl spaces

- ☐ Impacted = 500
☐ <500' = 50
☐ >500' - 1,000' = 5
☒ >1,000' or no free product. = 0

Fill in the blanks: (H. 0) + (I. 0) + (J. 50) + (K. 0) = L. 50

(G. 50) x (L. 50) = M. 2500

(M. 2500) + (D. 1000) = N. 3500

P. **SUSCEPTIBILITY AREA MULTIPLIER**

☐ If site is located in a Low Ground-Water Pollution Susceptibility Area = 0.5

☒ All other sites = 1

Q. **EXPLOSION HAZARD**

Have any explosive petroleum vapors, possibly originating from this release, been detected in any subsurface structure (e.g., utility trenches, basements, vaults, crawl spaces, etc.)?

☐ Yes = 200,000

☒ No = 0

Fill in the blanks: (N. 3500) x (P. 1) = (3500) + (Q. 0)

= 3500 (based on June 2002 groundwater concentration in D9)
ENVIRONMENTAL SENSITIVITY SCORE

OTHER GEOLOGIC AND HYDROLOGIC DATA

The following information is presented to provide supplemental information to Item H of the Site Ranking Form and details relating to the geologic and hydrogeologic conditions at Fort Stewart, which support Fort Stewart's determination that the water withdrawal point(s) located at Fort Stewart are not hydraulically connected to the surficial aquifer.

1.0 REGIONAL AND LOCAL GEOLOGY

Fort Stewart is located within the coastal plain physiographic province. This province is typified by nine southeastward-dipping strata that increase in thickness from 0 feet at the fall line, located approximately 150 miles inland from the Atlantic coast, to approximately 4,200 feet at the coast. State geologic records describe a probable petroleum exploration well (the No. 1 Jelks-Rogers) located in the region as encountering crystalline basement rocks at a depth of 4,254 feet below ground surface (BGS). This well provides the most complete record for Cretaceous, Tertiary, and Quaternary sedimentary strata in the region.

The Cretaceous section was found to be approximately 1,970 feet thick and dominated by clastics. The Tertiary section was found to be approximately 2,170 feet thick and dominated by limestone with a 175-foot-thick cap of dark green phosphatic clay. This clay is regionally extensive and is known as the Hawthorn Group. The interval from approximately 110 feet to the surface is Quaternary in age and composed primarily of sand with interbeds of clay or silt. This section is undifferentiated into separate formations (Herrick and Vochis 1963).

State geologic records contain information regarding a well drilled in October 1942, 1.8 miles north of Flemington at Liberty Field of Camp Stewart (now known as Fort Stewart). This well is believed to be an artesian well located approximately one-quarter mile north of the runway at Wright Army Airfield within the Fort Stewart Military Reservation. The log for this well describes a 410-foot section, the lowermost 110 feet of which consisted predominantly of limestone sediments, above which 245 feet of dark green phosphatic clay typical of the Hawthorn Group were encountered. The uppermost portion of the section was found to be Quaternary-age interbedded sands and clays. The top 15 feet of these sediments were described as sandy clay (Herrick and Vochis 1963).

The surface soil located throughout the Fort Stewart garrison area consists of Stilson loamy sand. The surface layer of this soil is typically dark grayish-brown loamy sand measuring approximately 6 inches in depth. The surface layer is underlain by material consisting of pale yellow loamy sand and extends to a depth of approximately 29 inches. The subsoil is predominantly sandy clay loam and extends to a depth of 72 inches or more (Herrick and Vochis 1963).

2.0 REGIONAL AND LOCAL HYDROGEOLOGY

The hydrogeology in the vicinity of Fort Stewart is dominated by two aquifers referred to as the Principal Artesian and the surficial aquifers. The Principal Artesian Aquifer is the lowermost hydrologic unit and is regionally extensive from South Carolina through Georgia, Alabama, and most of Florida. Known elsewhere as the Floridan, this aquifer is composed primarily of Tertiary-age limestone, including the Bug Island Formation, the Ocala Group, and the Suwannee Limestone. These formations are approximately 800 feet thick, and groundwater from this aquifer is used primarily for drinking water (Arora 1984).

The uppermost hydrologic unit is the surficial aquifer, which consists of widely varying amounts of sand and clay ranging from 55 feet to 150 feet in thickness. This aquifer is primarily used for domestic lawn and agricultural irrigation. The top of the water table ranges from approximately 2 to 10 feet BGS. The base of the aquifer corresponds to the top of the underlying dense clay of the Hawthorn Group. The Hawthorn Group was not encountered during drilling at this site but is believed to be located at 40 feet to 50 feet BGS; thus, the effective aquifer thickness would be approximately 35 feet to 45 feet. Soil surveys for Liberty and Long counties describe the occurrence of a perched water table within the Stilson loamy sands present within Fort Stewart (Looper 1980).

The confining layer for the Principal Artesian Aquifer is the phosphatic clay of the Hawthorn Group and ranges in thickness from 15 feet to 90 feet. The vertical hydraulic conductivity of this confining unit is on the order of 10^{-8} cm/sec. There are minor occurrences of aquifer material within the Hawthorn Group; however, they have limited utilization (Miller 1990). The Hawthorn Group has been divided into three formations: Coosawhatchie, Markshead, and Parachula, which are listed from youngest to oldest.

The Coosawhatchie Formation is composed predominantly of clay but also has sandy clay, argillaceous sand, and phosphorite units. The formation is approximately 170 feet thick in the Savannah, Georgia, area. This unit disconformably overlies the Markshead Formation and is distinguished from the underlying unit by dark phosphatic clays or phosphorite in the lower part and fine-grained sand in the upper part.

The Markshead Formation is approximately 70 feet thick in the Savannah, Georgia, area and consists of light-colored phosphatic, slightly dolomitic, argillaceous sand to fine-grained sandy clay with scattered beds of dolostone and limestone.

The Parachula Formation consists of sand, clay, limestone, and dolomite and is approximately 10 feet thick in the Savannah, Georgia, area. The Parachula Formation generally overlies the Suwannee Limestone in Georgia.

Groundwater encountered at all the underground storage tank investigation sites is part of the surficial aquifer system. Based on the facts that all public and non-public water supply wells draw water from the Principal Artesian (Floridan) Aquifer and that the Hawthorn confining unit separates the Principal Artesian Aquifer from the surficial aquifer, it is concluded that there is no hydraulic interconnection between the surficial aquifer (and associated groundwater plumes, if applicable) located beneath former underground storage tank sites and identified water supply withdrawal points at Fort Stewart.

3.0 REFERENCES

- Arora, Ram, 1984. *Hydrologic Evaluation for Underground Injection Control in the Coastal Plain of Georgia*, Department of Natural Resources, Environmental Protection Division, Georgia Geological Survey.
- Herrick, S.M., and R.C. Vochis 1963. *Subsurface Geology of the Georgia Coastal Plain*, Georgia Geologic Survey Information Circular 25.
- Looper, Edward E., 1980. *Soil Survey of Liberty and Long Counties, Georgia*, U.S. Department of Agriculture, Soil Conservation Service.
- Miller, James A., 1990. *Groundwater Atlas of the United States*, U.S. Department of the Interior, U.S. Geological Survey, Hydrologic Inventory Atlas 730G.

APPENDIX VII

UNDERGROUND INJECTION CONTROL PERMIT

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Georgia Department of Natural Resources

205 Butler Street, S.E., East Floyd Tower, Atlanta, Georgia 30334
Lonice C. Barrett, Commissioner
Harold F. Reheis, Director
Environmental Protection Division
(404) 656-4713

January 13, 2001

Mr. Jeffery J. Longaker
Science Applications International Corporation
800 Oak Ridge Turnpike
P.O. Box 2502
Oak Ridge, TN 37831

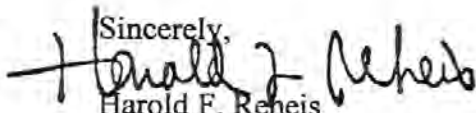
RE: Revised Underground Injection Control Permit #104, injection of oxygen and air, former Building Site 728, Hunter Army Airfield, Savannah (EPD ID # 9025035 & 9025049).

Dear Mr. Longaker:

Enclosed is the revised Underground Injection Control (UIC) Permit #104 for the Former Building Site 728 site located at Hunter Army Airfield, Savannah, Chatham Co., Georgia. This UIC permit allows Science Applications International Corporation (SAIC) to utilize injection of oxygen and air through twenty-seven (27) wells to assist with the remediation of soil and ground-water contaminated with petroleum hydrocarbons at this site for up to five (5) years. The UIC permit states two (2) standard conditions and seven (7) additional conditions in the attachment.

If you or your staff have any questions about the permit please contact Bruce O'Connor, UIC Coordinator, at (404) 656-3214.

Sincerely,


Harold F. Reheis
Director

Enclosure

cc: UIC Permit #104 File
Wm.E.Logan, EPD-USTMP
L. Rogers, EPD - Brunswick

**STATE OF GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION**

INJECTION WELL OPERATING PERMIT

PERMIT NUMBER: #104

DATE ISSUED: January 13, 2001

FACILITY DATA: INJECTION WELL TYPE: CLASS V (type 5X26)

FACILITY: Former Building Site 728 Duncan St. & Douglas Ave. Hunter Army Airfield Savannah, GA 31409 Chatham County	OPERATOR: Science Applications International Corporation* 6310 Allentown Blvd. Harrisburg, PA 17112
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LOCATION: Lat: 31° 01' 50" N Long: 81° 08' 04" W	EPD ID # 9025035 & 9025049
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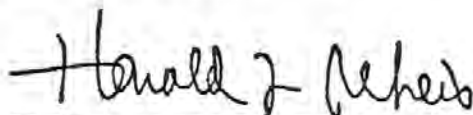
In accordance with the provisions of the Georgia Rules for Underground Injection Control, Chapter 391-3-6-.13, this permit is issued for the operation of the herein described injection system. Unless appealed, this permit is effective thirty (30) days after its issuance and is conditioned upon the following:

- 1) The Permittee's continued compliance with the Georgia Rules for Underground Injection Control, Chapter 391-3-6-.13, the Georgia Rules for Water Quality Control (Revised) and the Georgia Rules for Safe Drinking Water (Revised); and
- 2) The Permittee's continued compliance with the Permittee's approved injection operation plan which is part of the approved Corrective Action Plan for this site, along with provisions of officially approved plan amendments, if any.

Additional conditions 1 through 7 are attached hereto.

This permit is issued in accordance with the initial application received March 22, 2000, the initial injection operation plan approved on May 12, 2000 and the revised application received November 30, 2000. The permit is based on the statements and supporting data entered herein or attached thereto, all of which are filed with the Environmental Protection Division of the Georgia Department of Natural Resources and hereby made a part of this permit.

This permit is subject to revocation for noncompliance with aforementioned conditions. This permit expires on **January 13, 2006**, unless previously terminated.



Harold F. Reheis, Director, Environmental Protection Division
Georgia Department of Natural Resources

* SAIC, as consultant to the owner, may be contacted regarding technical questions at (423) 482-3628 or 481-8784.

INJECTION WELL OPERATING PERMIT ADDITIONAL CONDITIONS

1. Permit Conditions.

- a. This permit is not transferable until any new operator shall agree in writing to these additional permit conditions. Any new operator also shall provide the Environmental Protection Division (Division) with appropriate documentation that they have adequate financial assurances to plug all existing Class V wells.
- b. If Science Applications International Corporation (Operator) wishes to continue an activity regulated by this permit after the expiration of the permit, the Operator must apply for and obtain a new permit.
- c. The Operator shall report any instances of noncompliance with permit conditions to the Division in writing within five (5) working days of such noncompliance, and shall take all reasonable steps to minimize the impact on the environment resulting from noncompliance with this permit and the Georgia Rules for Underground Injection Control.
- d. The Operator shall notify the Division of any proposed changes to the performance of the oxygen and air injection system in writing at least thirty (30) days prior to the change.
- e. All reports submitted to the Division shall be signed and stamped by a Georgia Registered Professional Engineer or Professional Geologist.

2. System Parameters.

- a. This permit is issued to the Operator for the purpose of operating an oxygen and air injection system at the above referenced site to aid in remediation of soil and ground-water contaminated with petroleum hydrocarbons.
- b. Number of Class V injection wells: Twenty-seven (27).
- c. Injected fluid: Oxygen (98%) and air (2%).
- d. Maximum injection rate per well: 0.08 cubic feet of air/min. (cfm)/well.
Maximum total system injection rate: 2.25 cfm.
- e. Maximum injection volume per well: 120 cubic feet of air/day/well.
Maximum total system injection volume: 3,240 cf/day.
- f. Maximum daily average injection pressure (at well head): 25 psig.

3. Monitoring and Reporting Requirements.

- a. The Operator shall report to the Underground Injection Control Program of the Division the number and exact location of all Class V injection wells it installs or plugs on a quarterly basis. The reports are to be submitted to the UIC Program in accordance with the reporting schedule stipulated by the Underground Storage Tank Management Program.
- b. The Operator shall submit to the Division for its approval, a detailed schematic diagram and location map on any Class V injection well that is different in construction from the specifications contained in the UIC permit application, no later than 45 days prior to installation of the injection well. The Operator cannot install such a well until it receives approval from the Division.
- c. The Operator shall submit to the UIC Program one (1) copy of any report regarding this site which the Operator is required to submit to the Underground Storage Tank Management Program, or any other program within the Division.
- d. The Operator shall submit to the UIC Program an annual report which will contain the following information.
 1. Status of the injection system operation;
 2. Results of any ground-water sampling and analyses;
 3. Results of any soil sampling and analyses;
 4. An evaluation of the plume movement through the ground-water, if any;
 5. Comparisons of analyses to determine any changes in pollutant concentrations.

The annual reports will be provided to the UIC Program in accordance with the schedule stipulated by the Underground Storage Tank Management Program.

4. Emergency Situations.

- a. The Operator is to immediately notify the Division of any emergency situation that affects the injection system and describe the remedial activity that the Operator is utilizing to correct the situation.
- b. The Operator is to immediately notify the Division when the emergency situation ceases to exist.

5. The Operator shall grant the Division permission to enter the facility property to conduct inspections of the injection system.
6. The Operator shall maintain a copy of this permit at the facility site.
7. The Operator shall, upon termination of the injection of oxygen and air through a Class V injection well at this site, properly plug and abandon all Class V wells constructed on this site and notify the division within thirty (30) days of such termination and abandonment.

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APPENDIX VIII
CERTIFICATES OF ANALYSIS

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AUGUST 2001

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Certificate of Analysis

Company : SAIC
Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Report Date: July 19, 2002

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Page 1 of 2

Client Sample ID: AE60G2
Sample ID: 47253006
Matrix: WATER
Collect Date: 08-AUG-01 11:30
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.212	0.140	2.00	ug/L	1	RMB	08/16/01	1546	104408	1
Ethylbenzene	J	0.241	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	J	0.713	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	RMB	08/16/01	1546	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	79%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	85%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	82%	(52%-134%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package

The above sample is reported on an "as received" basis.





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Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 2 of 2

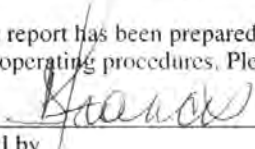
Client Sample ID: AE60G2
Sample ID: 47253006

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.


Reviewed by _____





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Company : SAIC
Address : 151 Lafayette Drive
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AE61G2
Sample ID: 47253004
Matrix: WATER
Collect Date: 08-AUG-01 10:40
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		11.4	0.140	2.00	ug/L	1	RMB	08/16/01	1448	104408	1
Ethylbenzene		80.0	0.150	2.00	ug/L	1					
Toluene		10.2	0.220	2.00	ug/L	1					
Xylenes (total)		201	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	RMB	08/16/01	1448	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	76%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	84%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	83%	(52%-134%)

Notes:

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- H Holding time exceeded
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- UI Uncertain identification for gamma spectroscopy.
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Project: Post-Pilot Study Bldg 728 UST

Page 2 of 2

Client Sample ID: AE61G2
Sample ID: 47253004

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

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Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AE63G2
Sample ID: 47253009
Matrix: WATER
Collect Date: 08-AUG-01 12:20
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.140	2.00	ug/L	1	RMB	08/16/01	1742	104408	1
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	RMB	08/16/01	1742	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	80%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	84%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	82%	(52%-134%)

Notes:

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Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 I/ST

Report Date: July 19, 2002

Page 2 of 2

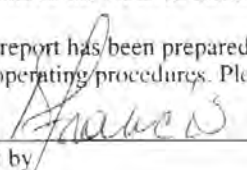
Client Sample ID: AE63G2
Sample ID: 47253009

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by 





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Certificate of Analysis

Company : SAIC
Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AED0G2
Sample ID: 47253011
Matrix: WATER
Collect Date: 08-AUG-01 13:10
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		57.3	0.140	2.00	ug/L	1	RMB	08/16/01	2301	104408	1
Ethylbenzene	J	0.253	0.150	2.00	ug/L	1					
Toluene	J	0.364	0.220	2.00	ug/L	1					
Xylenes (total)		76.9	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	RMB	08/16/01	2301	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	80%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	85%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	85%	(52%-134%)

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Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Report Date: July 19, 2002

Contact: Leslie Burbour
Project: Post-Pilot Study Bldg 728 UST

Page 2 of 2

Client Sample ID: AED0G2
Sample ID: 47253011

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Certificate of Analysis

Company : SAIC
Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AED4G2
Sample ID: 47253007
Matrix: WATER
Collect Date: 08-AUG-01 11:35
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		13.2	0.140	2.00	ug/L	1	RMB	08/17/01	1304	104408	1
Ethylbenzene		13.0	0.150	2.00	ug/L	1					
Toluene	J	0.471	0.220	2.00	ug/L	1					
Xylenes (total)	J	1.95	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	RMB	08/17/01	1304	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	78%	(58% - 137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	83%	(56% - 134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	84%	(52% - 134%)

Notes:

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- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
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Client Sample ID: AED4G2
Sample ID: 47253007

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Page 1 of 2

Client Sample ID: AED6G2
Sample ID: 47253008
Matrix: WATER
Collect Date: 08-AUG-01 12:15
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		94.4	0.140	2.00	ug/L	1	RMB	08/16/01	1644	104408	1
Ethylbenzene		21.2	0.150	2.00	ug/L	1					
Toluene	J	0.824	0.220	2.00	ug/L	1					
Xylenes (total)		38.9	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	RMB	08/16/01	1644	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	77%	(58% - 137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	85%	(56% - 134%)
Toluene d8	5035/8260B BTEX in Liquid Fede	81%	(52% - 134%)

Notes:

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- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy
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Page 1 of 2

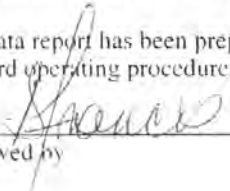
Client Sample ID: AED6G2
Sample ID: 47253008

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AED7G2
Sample ID: 47253010
Matrix: WATER
Collect Date: 08-AUG-01 12:45
Receive Date: 09-AUG-01
Collector:

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		196	1.40	10.0	ug/L	10	RMB	08/16/01	1811	104408	1
Ethylbenzene		311	1.50	10.0	ug/L	10					
Toluene	I	371	2.20	10.0	ug/L	10					
Nylenes (total)		316	4.40	10.0	ug/L	10					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	RMB	08/16/01	1811	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	80%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	86%	(56%-134%)
Toluene d8	5035/8260B BTEX in Liquid Fede	83%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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Contact: Leslie Barbour
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Page 2 of 2

Client Sample ID: AED7G2
Sample ID: 47253010

Project: SAIC00999
Client ID: SAK'017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AED9G2
Sample ID: 47253016
Matrix: WATER
Collect Date: 08-AUG-01 14:55
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		739	0.700	5.00	ug/L	5	RMB	08/17/01	0125	104408	1
Ethylbenzene		748	0.750	5.00	ug/L	5					
Toluene		28.5	1.10	5.00	ug/L	5					
Xylenes (total)		1780	2.20	15.0	ug/L	5					
Benzene		885	2.80	20.0	ug/L	20	RMB	08/17/01	1332	104408	2
Ethylbenzene		901	3.00	20.0	ug/L	20					
Toluene		31.1	4.40	20.0	ug/L	20					
Xylenes (total)		2630	8.80	60.0	ug/L	20					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	RMB	08/17/01	0125	104408
SW846 8260B	8260B Volatiles in Liquid Federal	RMB	08/17/01	1332	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	
2	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	82%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	86%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	85%	(52%-134%)
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	82%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	86%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	84%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank
- E Concentration exceeds instrument calibration range
- H Holding time exceeded





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Page 2 of 2

Client Sample ID: AED9G2
Sample ID: 47253016

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
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Contact: Leslie Barbour
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Report Date: July 19, 2002

Page: 1 of 3

Client Sample ID: AEDBG2
Sample ID: 47253015
Matrix: WATER
Collect Date: 08-AUG-01 14:17
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
5035/8260B BTEX in Liquid Federal											
Benzene		14.4	0.140	2.00	ug/L	1	RMB	08/17/01	1430	104408	1
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	RMB	08/17/01	1430	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	81%	(58% - 137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	83%	(56% - 134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	82%	(57% - 134%)

Notes:

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- H Holding time exceeded
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Contact: Leslie Barbour
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Page 1 of 2

Client Sample ID: AEDBG2
Sample ID: 47253015

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AEDDG2
Sample ID: 47253012
Matrix: WATER
Collect Date: 08-AUG-01 13:15
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		42.8	0.140	2.00	ug/L	1	RMB	08/17/01	1135	104408	1
Ethylbenzene		14.6	0.150	2.00	ug/L	1					
Toluene	J	0.307	0.220	2.00	ug/L	1					
Xylenes (total)		41.1	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	RMB	08/17/01	1135	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	80%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	85%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	84%	(52%-134%)

Notes:

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Project: Post-Pilot Study Bldg 728 UST

Page 2 of 2

Client Sample ID: AEDD02
Sample ID: 47253012

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Address: 151 Lafayette Drive
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AFDGG2
Sample ID: 47253014
Matrix: WATER
Collect Date: 08-AUG-01 14:45
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		12.3	0.140	2.00	ug/L	1	RMB	08/17/01	0028	104408	1
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	I	0.666	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846-8260B	8260B Volatiles In Liquid Federal	RMB	08/17/01	0028	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846-8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	80%	(58% - 137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	86%	(56% - 134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	83%	(52% - 134%)

Notes:

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- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
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Contact: Leshe Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

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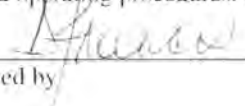
Client Sample ID: AFDGG2
Sample ID: 47253014

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Meeting analysis needs with a commitment to quality

Certificate of Analysis

Company: SAIC
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Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AFDJG2
Sample ID: 47253013
Matrix: WATER
Collect Date: 08 AUG 01 13:55
Receive Date: 09 AUG 01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		53.1	0.140	2.00	ug/L	1	RMB	08/16/01	2358	104408	1
Ethylbenzene		28.0	0.150	2.00	ug/L	1					
Toluene	J	0.310	0.220	2.00	ug/L	1					
Xylenes (total)		16.8	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	RMB	08/16/01	2358	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	78%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	85%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	81%	(52%-134%)

Notes:

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Report Date: July 19, 2002

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Page 2 of 2

Client Sample ID: AEDJG2
Sample ID: 47253013

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AEP1G2
Sample ID: 47253002
Matrix: WATER
Collect Date: 08-AUG-01 10:05
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		2.94	0.140	2.00	ug/L	1	RMB	08/16/01	1350	104408	1
Ethylbenzene	I	ND	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	I	2.09	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	RMB	08/16/01	1350	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	80%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	84%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	83%	(52%-134%)

Notes:

The Qualifiers in this report are defined as follows:

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package

The above sample is reported on an "as received" basis.





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Page 2 of 2

Client Sample ID: AEPIG2
Sample ID: 47253002

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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10000 Highway 100, Suite 100, Charleston, SC 29407

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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AEP2G2
Sample ID: 47253003
Matrix: WATER
Collect Date: 08-AUG-01 10:35
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.569	0.140	2.00	ug/L	1	RMB	08/17/01	0223	104408	1
Ethylbenzene	J	0.134	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	J	0.444	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	RMB	08/17/01	0223	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	81%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	86%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	84%	(52%-134%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- II Holding time exceeded
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- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package

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Page 2 of 2

Client Sample ID: AEP2G2
Sample ID: 47253003

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Project: Post-Pilot Study Bldg 728 UST

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Page 1 of 2

Client Sample ID: AEP4G2
Sample ID: 47253005
Matrix: WATER
Collect Date: 08-AUG-01 11:10
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.166	0.140	2.00	ug/L	1	RMB	08/16/01	1517	104408	1
Ethylbenzene	I	0.204	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	I	0.831	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	RMB	08/16/01	1517	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	81%	(58% - 137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	84%	(56% - 134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	82%	(52% - 134%)

Notes:

The Qualifiers in this report are defined as follows:

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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- U Indicates the compound was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
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Report Date: July 19, 2002

Contact: Lysie Barbour
Project: Post Pilot Study Bldg 728 UST

Page 2 of 2

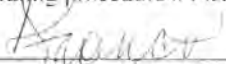
Client Sample ID: AFP4G2
Sample ID: 47253005

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Company : SAIC
Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 7

Client Sample ID: AER6G2
Sample ID: 47253001
Matrix: WATER
Collect Date: 08-AUG-01 09:50
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.771	0.280	2.00	ug/L	2	RMB	08/17/01	1105	104408	1
Ethylbenzene		108	0.300	2.00	ug/L	2					
Toluene	U	ND	0.440	2.00	ug/L	2					
Xylenes (total)		185	0.880	6.00	ug/L	2					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	RMB	08/17/01	1105	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	81%	(58% - 137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	87%	(56% - 134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	85%	(52% - 134%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
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Page 2 of 2

Client Sample ID: AER6G2
Sample ID: 47253001

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Project: Post-Pilot Study Bldg 728 VST

Page 1 of 2

Client Sample ID: HP0043
Sample ID: 47253017
Matrix: WATER
Collect Date: 08-AUG-01 08:00
Receive Date: 09-AUG-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.140	2.00	ug/L	1	RMB	08/17/01	1459	104408	1
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Toluene	J	0.265	0.220	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	RMB	08/17/01	1459	104408

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	82%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	85%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	85%	(52%-134%)

Notes:

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- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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- UI Uncertain identification for gamma spectroscopy.
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Oak Ridge, Tennessee 37831

Report Date: July 19, 2002

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Page 2 of 2

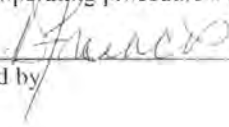
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Sample ID: 47253017

Project: SAIC00999
Client ID: SAIC017

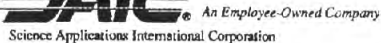
Parameter	Qualifier	Result	DI	RI	Units	DF	Analyst	Date	Time	Batch	Method
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CHAIN OF CUSTODY RECORD

COC NO.: GH0028

page 1 of 2

PROJECT NAME: HUNTER, BLDG. 728 PILOT STUDY				REQUESTED PARAMETERS																				LABORATORY NAME: General Engineering Laboratory				
PROJECT NUMBER: 01-1624-04-1829-210																								LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407				
PROJECT MANAGER: Patty Stoll																								PHONE NO: (843) 556-8171				
Sampler (Signature) Cynthia L Abbott		(Printed Name) Cynthia L Abbott																										
Sample ID	Date Collected	Time Collected	Matrix	BTEX																						No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
AER6G2	08/08/01	0950	Water	2																					2	NA	47253 001	
AEP1G2		1005		2																					2		002	
AEP2G2		1035		2																					2		003	
AEG1G2		1040		2																					2		004	
AEP4G2		1110		2																					2		005	
AEG2G2		1130		2																					2		006	
AED4G2		1135		2																					2		007	
AED6G2		1215		2																					2		008	
AEG3G2		1220		2																					2		009	
AED7G2		1245		2																					2		010	
AED8G2		1310		2																					2		011	
AEDDG2		1315		2																					2		012	
AEDJG2		1355		2																					2		013	
RELINQUISHED BY: Cynthia L Abbott		Date/Time 08/08/01	RECEIVED BY:		Date/Time		TOTAL NUMBER OF CONTAINERS: 34															Cooler Temperature: 4°C						
COMPANY NAME: SAIC		Date/Time 11/01	COMPANY NAME:		Date/Time		Cooler ID: 8															FEDEX NUMBER: 1212						
RELINQUISHED BY: Bob Koehn		Date/Time 8/9/01	RECEIVED BY:		Date/Time																							
COMPANY NAME: GEC		Date/Time 11/01	COMPANY NAME:		Date/Time																							
RELINQUISHED BY: Bob Koehn		Date/Time 8/9/01	RECEIVED BY:		Date/Time																							
COMPANY NAME: GEC		Date/Time 11/01	COMPANY NAME:		Date/Time																							

OCTOBER 2001

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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AE60H2
Sample ID: 50038015
Matrix: Water
Collect Date: 04-OCT-01 16:15
Receive Date: 05-OCT-01
Collector:

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.394	0.140	2.00	ug/L	1	DLS	10/12/01	1350	114440	1
Ethylbenzene	J	0.891	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	J	1.43	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1350	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	107%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	92%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	101%	(52%-134%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 2 of 2

Client Sample ID: AE60H2
Sample ID: 50038015

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AE61H2
Sample ID: 50038017
Matrix: Water
Collect Date: 04-OCT-01 17:15
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		28.7	0.140	2.00	ug/L	1	DLS	10/12/01	0820	114440	1
Ethylbenzene		61.0	0.150	2.00	ug/L	1					
Toluene		13.8	0.220	2.00	ug/L	1					
Xylenes (total)		119	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	0820	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	107%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	93%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	101%	(52%-134%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 2 of 2

Client Sample ID: AE61H2
Sample ID: 50038017

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: AE63H2
Sample ID: 50038016
Matrix: Water
Collect Date: 04-OCT-01 16:38
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.205	0.140	2.00	ug/L	1	DLS	10/12/01	1417	114440	1
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1417	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	110%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	94%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	101%	(52%-134%)

Notes:

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Client Sample ID: AE63H2
Sample ID: 50038016

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED0H2
Sample ID: 50038005
Matrix: Water
Collect Date: 04-OCT-01 12:00
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		29.0	0.280	2.00	ug/L	2	DLS	10/12/01	1659	114440	1
Ethylbenzene	J	0.395	0.300	2.00	ug/L	2					
Toluene	U	ND	0.440	2.00	ug/L	2					
Xylenes (total)		11.1	0.880	6.00	ug/L	2					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1659	114440

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 8260B		

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	109%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	93%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	101%	(52%-134%)

Notes:

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Client Sample ID: AED0H2
Sample ID: 50038005

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED4H2
Sample ID: 50038002
Matrix: Water
Collect Date: 04-OCT-01 11:20
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		427	0.140	2.00	ug/L	1	DLS	10/12/01	0135	114440	1
Ethylbenzene		48.3	0.150	2.00	ug/L	1					
Toluene	J	1.08	0.220	2.00	ug/L	1					
Xylenes (total)		34.6	0.440	5.00	ug/L	1					
Benzene		427	1.40	10.0	ug/L	10	DLS	10/12/01	1511	114440	2
Ethylbenzene		49.3	1.50	10.0	ug/L	10					
Toluene	J	2.32	2.20	10.0	ug/L	10					
Xylenes (total)		37.1	4.40	30.0	ug/L	10					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	0135	114440
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1511	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	
2	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	109%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	91%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	100%	(52%-134%)
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	108%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	92%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	100%	(52%-134%)

Notes:

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- H Holding time exceeded





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Client Sample ID: AED4H2
Sample ID: 50038002

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Client Sample ID: AED6H2
Sample ID: 50038009
Matrix: Water
Collect Date: 04-OCT-01 13:10
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.140	2.00	ug/L	1	DLS	10/12/01	0445	114440	1
Ethylbenzene		24.2	0.150	2.00	ug/L	1					
Toluene	J	1.47	0.220	2.00	ug/L	1					
Xylenes (total)		51.9	0.440	5.00	ug/L	1					
Benzene		135	0.700	5.00	ug/L	5	DLS	10/12/01	1632	114440	2
Ethylbenzene		30.2	0.750	5.00	ug/L	5					
Toluene	J	2.07	1.10	5.00	ug/L	5					
Xylenes (total)		58.3	2.20	15.0	ug/L	5					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	0445	114440
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1632	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	
2	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	106%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	92%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	101%	(52%-134%)
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	105%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	92%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	99%	(52%-134%)

Notes:

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- H Holding time exceeded





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Client Sample ID: AED6H2
Sample ID: 50038009

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Client Sample ID: AED7H2
Sample ID: 50038010
Matrix: Water
Collect Date: 04-OCT-01 13:45
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		29.0	0.700	5.00	ug/L	5	DLS	10/12/01	0512	114440	1
Ethylbenzene		111	0.750	5.00	ug/L	5					
Toluene	U	ND	1.10	5.00	ug/L	5					
Xylenes (total)		110	2.20	15.0	ug/L	5					
Benzene		27.8	0.700	5.00	ug/L	5	CDS1	10/15/01	2228	114440	2
Ethylbenzene		105	0.750	5.00	ug/L	5					
Toluene	U	ND	1.10	5.00	ug/L	5					
Xylenes (total)		100	2.20	15.0	ug/L	5					
Benzene		194	0.280	2.00	ug/L	2	DLS	10/12/01	1605	114440	3
Ethylbenzene		389	0.300	2.00	ug/L	2					
Toluene		2.89	0.440	2.00	ug/L	2					
Xylenes (total)		281	0.880	6.00	ug/L	2					
Benzene		194	0.700	5.00	ug/L	5	CDS1	10/15/01	2255	114440	4
Ethylbenzene		346	0.750	5.00	ug/L	5					
Toluene	J	2.75	1.10	5.00	ug/L	5					
Xylenes (total)		249	2.20	15.0	ug/L	5					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	10/15/01	2228	114440
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	10/15/01	2255	114440
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	0512	114440
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1605	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	
2	SW846 8260B	
3	SW846 8260B	
4	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	109%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	94%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	102%	(52%-134%)

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Client Sample ID: AED7H2
Sample ID: 50038010

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Bromofluorobenzene	5035/8260B	BTEX in Liquid Fede		105%		(58%-137%)					
Dibromofluoromethane	5035/8260B	BTEX in Liquid Fede		94%		(56%-134%)					
Toluene-d8	5035/8260B	BTEX in Liquid Fede		100%		(52%-134%)					
Bromofluorobenzene	5035/8260B	BTEX in Liquid Fede		110%		(58%-137%)					
Dibromofluoromethane	5035/8260B	BTEX in Liquid Fede		93%		(56%-134%)					
Toluene-d8	5035/8260B	BTEX in Liquid Fede		103%		(52%-134%)					
Bromofluorobenzene	5035/8260B	BTEX in Liquid Fede		105%		(58%-137%)					
Dibromofluoromethane	5035/8260B	BTEX in Liquid Fede		97%		(56%-134%)					
Toluene-d8	5035/8260B	BTEX in Liquid Fede		101%		(52%-134%)					

Notes:

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Client Sample ID: AED9H2
Sample ID: 50038003
Matrix: Water
Collect Date: 04-OCT-01 11:22
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		643	3.50	25.0	ug/L	25	DLS	10/12/01	1538	114440	I
Ethylbenzene		734	3.75	25.0	ug/L	25					
Toluene	J	20.3	5.50	25.0	ug/L	25					
Xylenes (total)		2720	11.0	75.0	ug/L	25					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1538	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
J	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	105%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	91%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	103%	(52%-134%)

Notes:

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- H Holding time exceeded
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Client Sample ID: AED9H2
Sample ID: 50038003

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDBH2
Sample ID: 50038004
Matrix: Water
Collect Date: 04-OCT-01 11:50
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		8.50	0.140	2.00	ug/L	1	DLS	10/12/01	1444	114440	1
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Toluene	J	0.829	0.220	2.00	ug/L	1					
Xylenes (total)	J	0.604	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1444	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	108%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	91%	(56%-134%)
Toluene d8	5035/8260B BTEX in Liquid Fede	101%	(52%-134%)

Notes:

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Client Sample ID: AEDBH2
Sample ID: 50038004

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DI	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Client Sample ID: AEDDH2
Sample ID: 50038006
Matrix: Water
Collect Date: 04-OCT-01 12:25
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		33.1	0.140	2.00	ug/L	1	DLS	10/12/01	0323	114440	1
Ethylbenzene		16.7	0.150	2.00	ug/L	1					
Toluene	J	0.964	0.220	2.00	ug/L	1					
Xylenes (total)		57.3	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	0323	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fedc	107%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fedc	93%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fedc	103%	(52%-134%)

Notes:

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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Page 2 of 2

Client Sample ID: AEDD112
Sample ID: 50038006

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDGH2
Sample ID: 50038007
Matrix: Water
Collect Date: 04-OCT-01 12:34
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		13.9	0.140	2.00	ug/L	1	DLS	10/12/01	0351	114440	1
Ethylbenzene	J	0.586	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	J	0.798	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	0351	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	108%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	93%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	103%	(52%-134%)

Notes:

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Client Sample ID: AEDGH2
Sample ID: 50038007

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDJH2
Sample ID: 50038008
Matrix: Water
Collect Date: 04-OCT-01 13:05
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		17.1	0.140	2.00	ug/L	1	DLS	10/12/01	0418	114440	1
Ethylbenzene		10.2	0.150	2.00	ug/L	1					
Toluene	J	0.372	0.220	2.00	ug/L	1					
Xylenes (total)	J	4.22	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	0418	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	108%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	94%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	102%	(52%-134%)

Notes:

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Client Sample ID: AEDJH2
Sample ID: 50038008

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP1H2
Sample ID: 50038012
Matrix: Water
Collect Date: 04-OCT-01 13:45
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
5035/8260B BTEX in Liquid Federal											
Benzene		12.2	0.140	2.00	ug/L	1	DLS	10/12/01	0606	114440	1
Ethylbenzene	J	1.66	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)		15.1	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	0606	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	110%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	93%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	103%	(52%-134%)

Notes:

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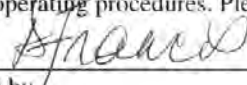
Client Sample ID: AEP1H2
Sample ID: 50038012

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Page 1 of 2

Client Sample ID: AEP2H2
Sample ID: 50038011
Matrix: Water
Collect Date: 04-OCT-01 14:10
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.597	0.140	2.00	ug/L	1	DLS	10/12/01	1256	114440	1
Ethylbenzene	J	0.700	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	J	0.584	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1256	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	108%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	93%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	102%	(52%-134%)

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Client Sample ID: AEP2H2
Sample ID: 50038011

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP4H2
Sample ID: 50038013
Matrix: Water
Collect Date: 04-OCT-01 14:15
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.329	0.140	2.00	ug/L	1	DLS	10/12/01	1323	114440	1
Ethylbenzene	J	ND	0.150	2.00	ug/L	1					
Toluene	J	0.255	0.220	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1323	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	109%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	93%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	102%	(52%-134%)

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Client Sample ID: AEP4H2
Sample ID: 50038013

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Client Sample ID: AER6H2
Sample ID: 50038014
Matrix: Water
Collect Date: 04-OCT-01 15:34
Receive Date: 05-OCT-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	1.51	0.280	2.00	ug/L	2	DLS	10/12/01	1753	114440	1
Ethylbenzene		130	0.300	2.00	ug/L	2					
Toluene	J	0.690	0.440	2.00	ug/L	2					
Xylenes (total)		267	0.880	6.00	ug/L	2					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	1753	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Feder	108%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Feder	93%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Feder	102%	(52%-134%)

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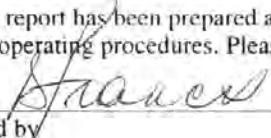
Client Sample ID: AER6H2
Sample ID: 50038014

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Report Date: July 19, 2002

Page 1 of 2

Client Sample ID: TB2509
Sample ID: 50038001
Matrix: Water
Collect Date: 04-OCT-01 07:30
Receive Date: 05-OCT-01
Collector: Client
Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.140	2.00	ug/L	1	DLS	10/12/01	0107	114440	1
Ethylbenzene	U	ND	0.150	2.00	ug/L	1					
Toluene	U	ND	0.220	2.00	ug/L	1					
Xylenes (total)	U	ND	0.440	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	DLS	10/12/01	0107	114440

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	104%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	94%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	101%	(52%-134%)

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Client Sample ID: TB2509
Sample ID: 50038001

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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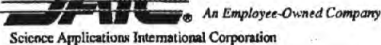


CHAIN OF CUSTODY RECORD

50038%

COC NO.: GH0029

PROJECT NAME: HUNTER, BLDG. 728 PILOT STUDY				REQUESTED PARAMETERS																		LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-1624-04-1829-210																						LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407			
PROJECT MANAGER: Patty Stoll																						PHONE NO: (843) 556-8171			
Sampler (Signature) <i>Cynthia L. Abbott</i>		(Printed Name) Cynthia L. Abbott																							
Sample ID	Date Collected	Time Collected	Matrix	BTEX																		No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
TB2509	10/04/01	0730	Water	2																		2	NA	NA	
AED4H2		1120		2																		2			
AED9H2		1122		2																		2			
AEDBH2		1150		2																		2			
AED0H2		1200		2																		2			
AEDDH2		1225		2																		2			
AEDGH2		1234		2																		2			
AEDJH2		1305		2																		2			
AED6H2		1310		2																		2			
AED7H2		1345		2																		2			
AEP2H2		1410		2																		2			
AEP1H2		1345		2																		2			
AEP4H2		1415		2																		2			
RELINQUISHED BY: <i>Cynthia L. Abbott</i>		Date/Time 10/05/01	RECEIVED BY: <i>Mike Kordon</i>		Date/Time 10/5/01	TOTAL NUMBER OF CONTAINERS: 34																		Cooler Temperature:	
COMPANY NAME: SAIC		1100	COMPANY NAME: GEL		1500	Cooler ID: #51																		FEDEX NUMBER:	
RECEIVED BY: <i>Raymond Reed</i>		Date/Time 10/5/01	RELINQUISHED BY:		Date/Time	page 1 of 2																			
COMPANY NAME: GEL		1100	COMPANY NAME:																						
RELINQUISHED BY: <i>Raymond Reed</i>		Date/Time 10/5/01	RECEIVED BY:		Date/Time																				
COMPANY NAME: GEL		1420	COMPANY NAME:																						



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COC NO.: GH0029

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DECEMBER 2001

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Address : 151 Lafayette Drive
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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Client Sample ID: AE60J2
Sample ID: 52761001
Matrix: Water
Collect Date: 01-DEC-01 16:00
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	CDS1	12/03/01	1707	123647	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1707	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	108%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	120%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	121%	(52%-134%)

Notes:

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- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
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Report Date: July 17, 2002

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Client Sample ID: AE60J2
Sample ID: 52761001

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Valerie Davis

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Client Sample ID: AE61J2
Sample ID: 52761003
Matrix: Water
Collect Date: 01-DEC-01 14:35
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	CDS1	12/03/01	1804	123647	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1804	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	109%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	120%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	122%	(52%-134%)

Notes:

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Report Date: July 17, 2002

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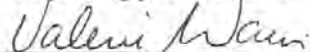
Client Sample ID: AE61J2
Sample ID: 52761003

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Client Sample ID: AE63J2
Sample ID: 52761002
Matrix: Water
Collect Date: 01-DEC-01 15:20
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	CDS1	12/03/01	1736	123647	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1736	123647

The following Analytical Methods were performed

Method	Description	Analyst	Comments
J	SW846 8260B		

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	109%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	120%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	122%	(52%-134%)

Notes:

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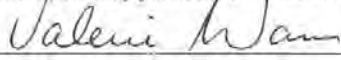
Client Sample ID: AE63J2
Sample ID: 52761002

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED0J2
Sample ID: 52761013
Matrix: Water
Collect Date: 01-DEC-01 16:55
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		7.27	0.280	2.00	ug/L	1	CDS1	12/03/01	2025	123647	I
Ethylbenzene		7.37	0.170	2.00	ug/L	1					
Toluene	J	0.363	0.170	2.00	ug/L	1					
Xylenes (total)		29.1	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	2025	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	107%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	117%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	120%	(52%-134%)

Notes:

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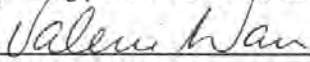
Client Sample ID: AED0J2
Sample ID: 52761013

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED4J2
Sample ID: 52761017
Matrix: Water
Collect Date: 01-DEC-01 13:50
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		99.1	0.560	2.00	ug/L	2	CDS1	12/04/01	1347	123647	1
Ethylbenzene		5.15	0.340	2.00	ug/L	2					
Toluene	J	1.07	0.340	2.00	ug/L	2					
Xylenes (total)	U	ND	1.60	6.00	ug/L	2					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	CDS1	12/04/01	1347	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	107%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	116%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	120%	(52%-134%)

Notes:

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- H Holding time exceeded
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Client Sample ID: AED4J2
Sample ID: 52761017

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Client Sample ID: AED6J2
Sample ID: 52761009
Matrix: Water
Collect Date: 01-DEC-01 17:15
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		24.6	0.280	2.00	ug/L	1	CDS1	12/03/01	1900	123647	1
Ethylbenzene	J	0.949	0.170	2.00	ug/L	1					
Toluene	J	0.370	0.170	2.00	ug/L	1					
Xylenes (total)	J	2.75	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1900	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	107%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	118%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	121%	(52%-134%)

Notes:

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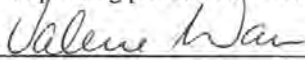
Client Sample ID: AED6J2
Sample ID: 52761009

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Report Date: July 17, 2002

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Client Sample ID: AED7J2
Sample ID: 52761015
Matrix: Water
Collect Date: 01-DEC-01 15:55
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		174	2.80	10.0	ug/L	10	CDS1	12/03/01	1514	123647	1
Ethylbenzene		363	1.70	10.0	ug/L	10					
Toluene	J	3.67	1.70	10.0	ug/L	10					
Xylenes (total)		199	8.00	30.0	ug/L	10					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1514	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	108%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	116%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	120%	(52%-134%)

Notes:

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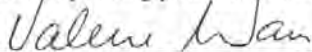
Client Sample ID: AED7J2
Sample ID: 52761015

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
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Client Sample ID: AED9J2
Sample ID: 52761008
Matrix: Water
Collect Date: 01-DEC-01 14:15
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		882	5.60	20.0	ug/L	20	CDS1	12/04/01	1318	123647	1
Ethylbenzene		683	3.40	20.0	ug/L	20					
Toluene		25.5	3.40	20.0	ug/L	20					
Xylenes (total)		2340	16.0	60.0	ug/L	20					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/04/01	1318	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	107%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	116%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	120%	(52%-134%)

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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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Client Sample ID: AED9J2
Sample ID: 52761008

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDBJ2
Sample ID: 52761005
Matrix: Water
Collect Date: 01-DEC-01 16:10
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		74.8	0.280	2.00	ug/L	1	CDS1	12/04/01	1541	123647	1
Ethylbenzene		23.5	0.170	2.00	ug/L	1					
Toluene	J	0.575	0.170	2.00	ug/L	1					
Xylenes (total)		28.4	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	CDS1	12/04/01	1541	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	106%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	115%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	121%	(52%-134%)

Notes:

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- B Analyte found in the sample as well as the associated blank.
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Client Sample ID: AEDBJ2
Sample ID: 52761005

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

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Client Sample ID: AEDDJ2
Sample ID: 52761007
Matrix: Water
Collect Date: 01-DEC-01 15:25
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		52.9	0.280	2.00	ug/L	1	CDS1	12/04/01	1609	123647	1
Ethylbenzene		18.1	0.170	2.00	ug/L	1					
Toluene	J	0.669	0.170	2.00	ug/L	1					
Xylenes (total)		60.0	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/04/01	1609	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	107%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	117%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	120%	(52%-134%)

Notes:

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Contact: Leslie Barbour
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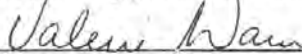
Client Sample ID: AEDDJ2
Sample ID: 52761007

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDGJ2
Sample ID: 52761014
Matrix: Water
Collect Date: 01-DEC-01 16:40
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		5.74	0.280	2.00	ug/L	1	CDS1	12/03/01	1639	123647	1
Ethylbenzene		8.52	0.170	2.00	ug/L	1					
Toluene	J	0.452	0.170	2.00	ug/L	1					
Xylenes (total)		12.8	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1639	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
J	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	106%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	115%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	119%	(52%-134%)

Notes:

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Client Sample ID: AEDGJ2
Sample ID: 52761014

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDJJ2
Sample ID: 52761006
Matrix: Water
Collect Date: 01-DEC-01 14:55
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		41.3	0.280	2.00	ug/L	1	CDS1	12/03/01	1832	123647	1
Ethylbenzene		22.4	0.170	2.00	ug/L	1					
Toluene	J	0.591	0.170	2.00	ug/L	1					
Xylenes (total)		37.0	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1832	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
J	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	110%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	118%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	123%	(52%-134%)

Notes:

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- H Holding time exceeded
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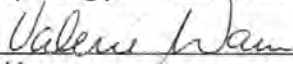
Client Sample ID: AEDJJ2
Sample ID: 52761006

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP1J2
Sample ID: 52761012
Matrix: Water
Collect Date: 01-DEC-01 16:25
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		10.2	0.280	2.00	ug/L	1	CDS1	12/03/01	1611	123647	1
Ethylbenzene	J	1.60	0.170	2.00	ug/L	1					
Toluene	J	0.187	0.170	2.00	ug/L	1					
Xylenes (total)		12.8	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1611	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	109%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	120%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	122%	(52%-134%)

Notes:

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Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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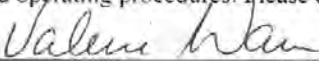
Client Sample ID: AEP112
Sample ID: 52761012

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP2J2
Sample ID: 52761010
Matrix: Water
Collect Date: 01-DEC-01 17:00
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.414	0.280	2.00	ug/L	1	CDS1	12/03/01	1928	123647	1
Ethylbenzene	J	0.256	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1928	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	110%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	119%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	121%	(52%-134%)

Notes:

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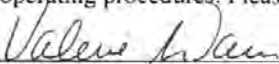
Client Sample ID: AEP2J2
Sample ID: 52761010

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP4J2
Sample ID: 52761011
Matrix: Water
Collect Date: 01-DEC-01 16:45
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	CDS1	12/03/01	1957	123647	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1957	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	109%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	121%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	123%	(52%-134%)

Notes:

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Client Sample ID: AEP4J2
Sample ID: 52761011

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AER6J2
Sample ID: 52761004
Matrix: Water
Collect Date: 01-DEC-01 14:00
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		36.0	0.560	2.00	ug/L	2	CDS1	12/03/01	2053	123647	1
Ethylbenzene		109	0.340	2.00	ug/L	2					
Toluene		14.0	0.340	2.00	ug/L	2					
Xylenes (total)		178	1.60	6.00	ug/L	2					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	2053	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	106%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	117%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	121%	(52%-134%)

Notes:

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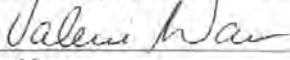
Client Sample ID: AER6J2
Sample ID: 52761004

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: TB-728-01
Sample ID: 52761016
Matrix: Water
Collect Date: 01-DEC-01 14:00
Receive Date: 02-DEC-01
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	CDS1	12/03/01	1152	123647	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	J	0.192	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.800	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	CDS1	12/03/01	1152	123647

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	107%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	115%	(56%-134%)
Toluene d8	5035/8260B BTEX in Liquid Fede	119%	(52%-134%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package

The above sample is reported on an "as received" basis.



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Certificate of Analysis

Company : SAIC
Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

Page 2 of 2

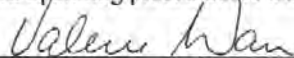
Client Sample ID: TB-728-01
Sample ID: 52761016

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.


Reviewed by



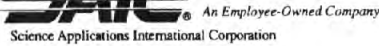


CHAIN OF CUSTODY RECORD

PAGE 1 of 2
COC NO.: 728-01

PROJECT NAME: HAAF-Pilot Study Bldg. 728				REQUESTED PARAMETERS																		LABORATORY NAME: General Engineering Laboratory		
PROJECT NUMBER: 01-0331-04-1829-210																						LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407		
PROJECT MANAGER: Patty Stoll																						PHONE NO: (843) 556-8171		
Sampler (Signature) <i>John Brumback</i>		(Printed Name) Vicki Brumback																						
Sample ID	Date Collected	Time Collected	Matrix	BTEX																		No. of Bottles/ Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
AE60J2	12-01-01	1600	Water	2																	2		52761001	
AE63J2		1520		2																	2		002	
AE61J2		1435		2																	2		003	
AER6J2		1400		2																	2		004	
AEDBJ2		1610		2																	2		005	
AEDJJ2		1455		2																	2		006	
AEDDJ2		1525		2																	2		007	
AED9J2		1415		2																	2		008	
AED6J2		1715		2																	2		009	
AEP2J2		1700		2																	2		010	
AEP4J2		1645		2																	2		011	
AEP1J2		1625		2																	2		012	
AED0J2		1655		2																	2		013	

RELINQUISHED BY: <i>John Brumback</i>	Date/Time 12-02-01	RECEIVED BY: <i>Wm. Niedfeldt</i>	Date/Time 12-2-01 0930	TOTAL NUMBER OF CONTAINERS: <i>See p 72</i>	Cooler Temperature: <i>4°C</i>
COMPANY NAME: <i>SAIC</i>		COMPANY NAME: <i>GEL</i>		Cooler ID:	FEDEX NUMBER: <i>NA - Courier pickup</i>
RECEIVED BY: <i>Wm. Niedfeldt</i>	Date/Time 12-2-01 1145	RELINQUISHED BY:	Date/Time		
COMPANY NAME: <i>GEL</i>		COMPANY NAME:			
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time		
COMPANY NAME:		COMPANY NAME:			



CHAIN OF CUSTODY RECORD

COC NO.: 728-01

PROJECT NAME: HAAF-Pilot Study Bldg. 728				REQUESTED PARAMETERS																LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-1829-210																				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407	
PROJECT MANAGER: Patty Stoll																				PHONE NO: (843) 556-8171	
Sampler (Signature) <i>Vicki Brumback</i>		(Printed Name) Vicki Brumback																			
Sample ID	Date Collected	Time Collected	Matrix	BTEX														No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
AEDGJ2	12-1-01	1640	Water	2														2		52761014	
AED7J2	↓	1555	↓	2														2		015	
TB-728-01	↓	1400	↓	2														2		016	
AED4J2	↓	1350	↓	2														2		017	
y.b. 12-2-01																					
RELINQUISHED BY: <i>Vicki Brumback</i>				Date/Time 12-02-01	RECEIVED BY: <i>Wm Niefeldt</i>				Date/Time 12-2-01	TOTAL NUMBER OF CONTAINERS: 34				Cooler Temperature: 4°C							
COMPANY NAME: SAIC					COMPANY NAME: GEL				0930	Cooler ID:				FEDEX NUMBER: NA-Courier pickup							
RECEIVED BY: <i>Wm Niefeldt</i>				Date/Time 12-02-01	RELINQUISHED BY:				Date/Time												
COMPANY NAME: GEL				1145	COMPANY NAME:																
RELINQUISHED BY:				Date/Time	RECEIVED BY:				Date/Time												
COMPANY NAME:					COMPANY NAME:																

FEBRUARY 2002

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Certificate of Analysis

Company : SAIC
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Oak Ridge, Tennessee 37831

Contact: Leshe Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 24, 2002

Page 1 of 2

Client Sample ID: AED4K2
Sample ID: 56386002
Matrix: Water
Collect Date: 19-FEB-02 16:25
Receive Date: 20-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
5035/8260B BTEX in Liquid Federal											
Benzene		14.2	0.280	2.00	ug/L	1	MAP	03/02/02	0646	144189	1
Ethylbenzene		3.84	0.170	2.00	ug/L	1					
Toluene	J	0.749	0.170	2.00	ug/L	1					
Xylenes (total)	J	0.603	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	MAP	03/02/02	0646	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	80%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	82%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	81%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
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Company : SAIC
Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Report Date: July 24, 2002

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Page 2 of 2

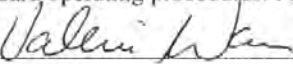
Client Sample ID: AED4K2
Sample ID: 56386002

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.



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Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 24, 2002

Page 1 of 2

Client Sample ID: AED9K2
Sample ID: 56386001
Matrix: Water
Collect Date: 19-FEB-02 16:55
Receive Date: 20-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatiles Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		924	2.80	10.0	ug/L	10	MAP	03/04/02	1659	144189	1
Ethylbenzene		791	1.70	10.0	ug/L	10					
Toluene		26.8	1.70	10.0	ug/L	10					
Xylenes (total)		2110	3.10	30.0	ug/L	10					
Benzene		982	5.60	20.0	ug/L	20	MAP	03/05/02	1516	144189	2
Ethylbenzene		854	3.40	20.0	ug/L	20					
Toluene		26.9	3.40	20.0	ug/L	20					
Xylenes (total)		2570	6.20	60.0	ug/L	20					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/04/02	1659	144189
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/05/02	1516	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	
2	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	79%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	81%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	80%	(52%-134%)
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	82%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	76%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	81%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range





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Report Date: July 24, 2002

Page 2 of 2

Client Sample ID: AED9K2
Sample ID: 56386001

Project: SAIC00999
Client ID: SAIC017

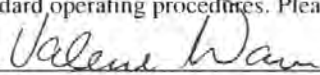
Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package

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Address: 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 24, 2002

Page 1 of 2

Client Sample ID: HP0045
Sample ID: 56386003
Matrix: Water
Collect Date: 19-FEB-02 07:45
Receive Date: 20-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	MAP	03/01/02	2244	144189	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	J	0.172	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/01/02	2244	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	84%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	80%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	81%	(52%-134%)

Notes:

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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 24, 2002

Page 2 of 2

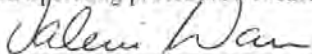
Client Sample ID: HP0045
Sample ID: 56386003

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.



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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

Page 1 of 2

Client Sample ID: AE60K2
Sample ID: 56512004
Matrix: Water
Collect Date: 20-FEB-02 12:30
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	MAP	03/02/02	0445	144189	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0445	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	104%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	82%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	82%	(52%-134%)

Notes:

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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Page 2 of 2

Client Sample ID: AE60K2
Sample ID: 56512004

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Valerie Davis

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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

Page 1 of 2

Client Sample ID: AE61K2
Sample ID: 56512013
Matrix: Water
Collect Date: 20-FEB-02 11:30
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		3.35	0.280	2.00	ug/L	1	MAP	03/02/02	0014	144189	1
Ethylbenzene		4.68	0.170	2.00	ug/L	1					
Toluene	J	0.211	0.170	2.00	ug/L	1					
Xylenes (total)	J	2.19	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0014	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	85%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	78%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	81%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
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- H Holding time exceeded
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Report Date: July 17, 2002

Page 2 of 2

Client Sample ID: AE61K2
Sample ID: 56512013

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Valerie Davis

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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

Page 1 of 2

Client Sample ID: AE63K2
Sample ID: 56512014
Matrix: Water
Collect Date: 20-FEB-02 13:05
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	MAP	03/01/02	2344	144189	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	J	0.171	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/01/02	2344	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	84%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	80%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	83%	(52%-134%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package

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Report Date: July 17, 2002

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Project: Post-Pilot Study Bldg 728 UST

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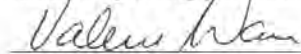
Client Sample ID: AE63K2
Sample ID: 56512014

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED0K2
Sample ID: 56512012
Matrix: Water
Collect Date: 20-FEB-02 12:55
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		3.44	0.280	2.00	ug/L	I	MAP	03/02/02	0044	144189	I
Ethylbenzene	J	1.36	0.170	2.00	ug/L	I					
Toluene	J	0.226	0.170	2.00	ug/L	I					
Xylenes (total)	J	3.04	0.310	5.00	ug/L	I					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0044	144189

The following Analytical Methods were performed

Method	Description	Analyst	Comments
I	SW846 8260B		

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	79%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	78%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	81%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
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- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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Client Sample ID: AED0K2
Sample ID: 56512012

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED6K2
Sample ID: 56512009
Matrix: Water
Collect Date: 20-FEB-02 11:23
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		89.3	0.280	2.00	ug/L	1	MAP	03/02/02	0215	144189	1
Ethylbenzene		14.3	0.170	2.00	ug/L	1					
Toluene	J	0.514	0.170	2.00	ug/L	1					
Xylenes (total)		8.74	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0215	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	80%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	78%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	80%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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Client Sample ID: AED6K2
Sample ID: 56512009

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED7K2
Sample ID: 56512003
Matrix: Water
Collect Date: 20-FEB-02 12:11
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		164	0.560	2.00	ug/L	2	MAP	03/04/02	1728	144189	1
Ethylbenzene	E	227	0.340	2.00	ug/L	2					
Toluene	J	1.80	0.340	2.00	ug/L	2					
Xylenes (total)		181	0.620	6.00	ug/L	2					
Benzene		119	1.40	5.00	ug/L	5	MAP	03/02/02	0515	144189	2
Ethylbenzene		190	0.850	5.00	ug/L	5					
Toluene	J	1.72	0.850	5.00	ug/L	5					
Xylenes (total)		125	1.55	15.0	ug/L	5					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0515	144189
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/04/02	1728	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	
2	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	79%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	81%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	82%	(52%-134%)
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	81%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	80%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	82%	(52%-134%)

Notes:

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- E Concentration exceeds instrument calibration range
- H Holding time exceeded





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Client Sample ID: AED7K2
Sample ID: 56512003

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
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UI Uncertain identification for gamma spectroscopy.
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Client Sample ID: AEDBK2
Sample ID: 56512008
Matrix: Water
Collect Date: 20-FEB-02 13:31
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		3.84	0.280	2.00	ug/L	1	MAP	03/02/02	0245	144189	1
Ethylbenzene	J	0.371	0.170	2.00	ug/L	1					
Toluene	J	0.200	0.170	2.00	ug/L	1					
Xylenes (total)	J	0.854	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0245	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	79%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	78%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	79%	(52%-134%)

Notes:

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- H Holding time exceeded
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Client Sample ID: AEDBK2
Sample ID: 56512008

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDDK2
Sample ID: 56512006
Matrix: Water
Collect Date: 20-FEB-02 14:15
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		64.1	0.280	2.00	ug/L	1	MAP	03/02/02	0345	144189	1
Ethylbenzene		8.72	0.170	2.00	ug/L	1					
Toluene	J	0.535	0.170	2.00	ug/L	1					
Xylenes (total)		32.6	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0345	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	82%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	81%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	81%	(52%-134%)

Notes:

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- H Holding time exceeded
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Client Sample ID: AEDDK2
Sample ID: 56512006

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDGK2
Sample ID: 56512005
Matrix: Water
Collect Date: 20-FEB-02 14:45
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		4.73	0.280	2.00	ug/L	1	MAP	03/02/02	0415	144189	1
Ethylbenzene	J	0.492	0.170	2.00	ug/L	1					
Toluene	J	0.200	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0415	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	104%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	82%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	80%	(52%-134%)

Notes:

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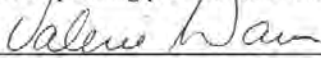
Client Sample ID: AEDGK2
Sample ID: 56512005

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDJK2
Sample ID: 56512002
Matrix: Water
Collect Date: 20-FEB-02 15:33
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		54.4	0.280	2.00	ug/L	1	MAP	03/02/02	0545	144189	1
Ethylbenzene		13.4	0.170	2.00	ug/L	1					
Toluene	J	0.509	0.170	2.00	ug/L	1					
Xylenes (total)	J	2.34	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0545	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	94%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	83%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	81%	(52%-134%)

Notes:

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- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
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Client Sample ID: AEDJK2
Sample ID: 56512002

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Client Sample ID: AEP1K2
Sample ID: 56512001
Matrix: Water
Collect Date: 20-FEB-02 14:33
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	1.46	0.280	2.00	ug/L	1	MAP	03/02/02	0616	144189	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	J	0.619	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0616	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	89%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	82%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	79%	(52%-134%)

Notes:

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- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
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Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

Page 2 of 2

Client Sample ID: AEP1K2
Sample ID: 56512001

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Valerie Davis
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Oak Ridge, Tennessee 37831

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Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

Page 1 of 2

Client Sample ID: AEP2K2
Sample ID: 56512010
Matrix: Water
Collect Date: 20-FEB-02 13:50
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.510	0.280	2.00	ug/L	1	MAP	03/02/02	0145	144189	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0145	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	87%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	80%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	83%	(52%-134%)

Notes:

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- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package

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Client Sample ID: AEP2K2
Sample ID: 56512010

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Report Date: July 17, 2002

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Client Sample ID: AEP4K2
Sample ID: 56512011
Matrix: Water
Collect Date: 20-FEB-02 14:15
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	MAP	03/02/02	0115	144189	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0115	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	83%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	80%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	82%	(52%-134%)

Notes:

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- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
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Client Sample ID: AEP4K2
Sample ID: 56512011

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Report Date: July 17, 2002

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Client Sample ID: AER6K2
Sample ID: 56512007
Matrix: Water
Collect Date: 20-FEB-02 12:00
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.635	0.280	2.00	ug/L	1	MAP	03/02/02	0315	144189	1
Ethylbenzene		3.87	0.170	2.00	ug/L	1					
Toluene	J	0.300	0.170	2.00	ug/L	1					
Xylenes (total)	J	1.28	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/02/02	0315	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	83%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	82%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	81%	(52%-134%)

Notes:

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- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

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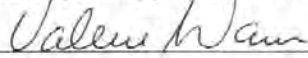
Client Sample ID: AER6K2
Sample ID: 56512007

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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Client Sample ID: HP0046
Sample ID: 56512015
Matrix: Water
Collect Date: 20-FEB-02 07:45
Receive Date: 22-FEB-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	MAP	03/01/02	2314	144189	I
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	U	ND	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	03/01/02	2314	144189

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fedc	85%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fedc	79%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fedc	82%	(52%-134%)

Notes:

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- < Actual result is less than amount reported
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Page 2 of 2

Client Sample ID: HP0046
Sample ID: 56512015

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Valerie Davis

Reviewed by



CHAIN OF CUSTODY RECORD

COC NO.: *GH0030*

PROJECT NAME: HAAF-Pilot Study Bldg. 728				REQUESTED PARAMETERS																LABORATORY NAME: General Engineering Laboratory				
PROJECT NUMBER: 01-0331-04-1829-210																				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407				
PROJECT MANAGER: Patty Stoll																								
Sampler (Signature) <i>Patty Stoll</i> (Printed Name) <i>PATRICIA A. STOLL</i>																				PHONE NO: (843) 556-8171				
	Sample ID	Date Collected	Time Collected	Matrix	BTEX																No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
001-	AED9K2	2/19/02	1655	WATER	2																	2		
002-	AED4K2	2/19/02	1625	WATER	2																	2		
003-	AP0045	2/19/02	0745	water	2																	2		
<i>P. Stoll</i> 2/20/02																								
RELINQUISHED BY: <i>Patty Stoll</i>		Date/Time: 2/20/02		RECEIVED BY: <i>Mike Kessler</i>		Date/Time: 2-20-02		TOTAL NUMBER OF CONTAINERS: <i>6</i>										Cooler Temperature: <i>4°</i>						
COMPANY NAME: SAIC		1250		COMPANY NAME: GEL		1545		Cooler ID: <i>102</i>										FEDEX NUMBER:						
RECEIVED BY: <i>Mike Kessler</i>		Date/Time: 2/20/02		RELINQUISHED BY:		Date/Time:																		
COMPANY NAME: GEL		1250		COMPANY NAME:																				
RELINQUISHED BY: <i>Mike Kessler</i>		Date/Time: 2/20/02		RECEIVED BY:		Date/Time:																		
COMPANY NAME: GEL		1545		COMPANY NAME:																				

56512%

1 of 2

CHAIN OF CUSTODY RECORD

COC NO.: GH0031

PROJECT NAME: HAAF-Pilot Study Bldg. 728				REQUESTED PARAMETERS																LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-0331-04-1829-210																				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407			
PROJECT MANAGER: Patty Stoll																				PHONE NO: (843) 556-8171			
Sampler (Signature) <i>Patty Stoll</i>		(Printed Name) PATRICIA A. STOLL																					
Sample ID	Date Collected	Time Collected	Matrix	BTEX																	No. of Bottles/ Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
001 AEP1K2	2/20/02	1433	WATER	2																	2		
002 AEDJK2		1533		2																	2		
003 AED7K2		1211		2																	2		
004 AEG0K2		1230		2																	2		
005 AEDGK2		1445		2																	2		
006 AEDDK2		1415		2																	2		
007 AERGK2		1200		2																	2		
008 AEDBK2		1331		2																	2		
009 AED6K2		1123		2																	2		
010 AEP2K2		1350		2																	2		
011 AEP4K2		1415		2																	2		
012 AED0K2		1255		2																	2		
013 AEG1K2		1130		2																	2		
RELINQUISHED BY: <i>Patty Stoll</i>		Date/Time 2/21/02	RECEIVED BY:		Date/Time		TOTAL NUMBER OF CONTAINERS: 30										Cooler Temperature: 400						
COMPANY NAME: SAIC		1300	COMPANY NAME:				Cooler ID: 445										FEDEX NUMBER:						
RECEIVED BY: <i>Shirley</i>		Date/Time 2/21/02	RELINQUISHED BY:		Date/Time																		
COMPANY NAME: SAIC		1300	COMPANY NAME:																				
RELINQUISHED BY:		Date/Time	RECEIVED BY: <i>Shirley</i>		Date/Time																		
COMPANY NAME:			COMPANY NAME:		1300																		



800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: 610031

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APRIL 2002

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Certificate of Analysis

Company : SAIC
Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

Page 1 of 2

Client Sample ID: AE60M2
Sample ID: 58771006
Matrix: Water
Collect Date: 09-APR-02 12:35
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	MAP	04/15/02	2227	158628	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	BJ	0.264	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/15/02	2227	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	83%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	74%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
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Client Sample ID: AE60M2
Sample ID: 58771006

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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Client Sample ID: AE61M2
Sample ID: 58771014
Matrix: Water
Collect Date: 09-APR-02 11:10
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	MAP	04/15/02	2328	158628	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	BJ	0.291	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/15/02	2328	158628

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 8260B		

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	83%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	76%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	73%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
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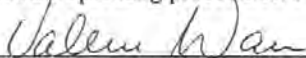
Client Sample ID: AE61M2
Sample ID: 58771014

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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Client Sample ID: AE63M2
Sample ID: 58771015
Matrix: Water
Collect Date: 09-APR-02 11:55
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	MAP	04/15/02	2358	158628	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	BJ	0.293	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/15/02	2358	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	87%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	74%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
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- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
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- X Lab-specific qualifier - must be fully described in case narrative and data summary package

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Project: Post-Pilot Study Bldg 728 UST

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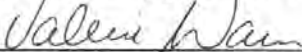
Client Sample ID: AE63M2
Sample ID: 58771015

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED0M2
Sample ID: 58771012
Matrix: Water
Collect Date: 09-APR-02 12:15
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		6.07	0.280	2.00	ug/L	I	MAP	04/16/02	2104	158628	I
Ethylbenzene	J	1.69	0.170	2.00	ug/L	I					
Toluene	BJ	0.190	0.170	2.00	ug/L	I					
Xylenes (total)		6.16	0.310	5.00	ug/L	I					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/16/02	2104	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	79%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	72%	(52%-134%)

Notes:

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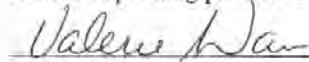
Client Sample ID: AED0M2
Sample ID: 58771012

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED4M2
Sample ID: 58771017
Matrix: Water
Collect Date: 09-APR-02 13:45
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		27.5	0.280	2.00	ug/L	1	MAP	04/16/02	0059	158628	1
Ethylbenzene		4.39	0.170	2.00	ug/L	1					
Toluene	BJ	0.715	0.170	2.00	ug/L	1					
Xylenes (total)	J	2.93	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/16/02	0059	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	77%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	76%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	73%	(52%-134%)

Notes:

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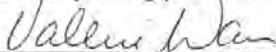
Client Sample ID: AED4M2
Sample ID: 58771017

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED6M2
Sample ID: 58771008
Matrix: Water
Collect Date: 09-APR-02 12:30
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		29.9	0.280	2.00	ug/L	1	MAP	04/16/02	2003	158628	I
Ethylbenzene		6.70	0.170	2.00	ug/L	1					
Toluene	BJ	0.523	0.170	2.00	ug/L	1					
Xylenes (total)		12.4	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	MAP	04/16/02	2003	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	82%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	74%	(52%-134%)

Notes:

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Client Sample ID: AED6M2
Sample ID: 58771008

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED7M2
Sample ID: 58771011
Matrix: Water
Collect Date: 09-APR-02 13:35
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		85.8	0.560	2.00	ug/L	2	MAP	04/16/02	2134	158628	1
Ethylbenzene		158	0.340	2.00	ug/L	2					
Toluene	BJ	1.15	0.340	2.00	ug/L	2					
Xylenes (total)		81.7	0.620	6.00	ug/L	2					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/16/02	2134	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	78%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	75%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	74%	(52%-134%)

Notes:

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Client Sample ID: AED7M2
Sample ID: 58771011

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED9M2
Sample ID: 58771013
Matrix: Water
Collect Date: 09-APR-02 10:05
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		817	2.80	10.0	ug/L	10	MAP	04/16/02	2205	158628	I
Ethylbenzene		692	1.70	10.0	ug/L	10					
Toluene	B	23.7	1.70	10.0	ug/L	10					
Xylenes (total)		1850	3.10	30.0	ug/L	10					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/16/02	2205	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	79%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	74%	(52%-134%)

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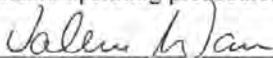
Client Sample ID: AED9M2
Sample ID: 58771013

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDBM2
Sample ID: 58771007
Matrix: Water
Collect Date: 09-APR-02 11:30
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		3.26	0.280	2.00	ug/L	1	MAP	04/16/02	1933	158628	I
Ethylbenzene		6.43	0.170	2.00	ug/L	1					
Toluene	BJ	0.271	0.170	2.00	ug/L	1					
Xylenes (total)		19.7	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/16/02	1933	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	81%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	75%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	74%	(52%-134%)

Notes:

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Client Sample ID: AEDBM2
Sample ID: 58771007

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDDM2
Sample ID: 58771005
Matrix: Water
Collect Date: 09-APR-02 10:45
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		31.8	0.280	2.00	ug/L	1	MAP	04/15/02	2157	158628	1
Ethylbenzene		13.1	0.170	2.00	ug/L	1					
Toluene	BJ	0.546	0.170	2.00	ug/L	1					
Xylenes (total)		47.9	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/15/02	2157	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	82%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	74%	(52%-134%)

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Client Sample ID: AEDDM2
Sample ID: 58771005

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDGM2
Sample ID: 58771002
Matrix: Water
Collect Date: 09-APR-02 11:50
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		6.72	0.280	2.00	ug/L	1	MAP	04/16/02	1903	158628	1
Ethylbenzene		8.15	0.170	2.00	ug/L	1					
Toluene	BJ	0.575	0.170	2.00	ug/L	1					
Xylenes (total)		25.4	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/16/02	1903	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	81%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	74%	(52%-134%)

Notes:

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Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

Page 2 of 2

Client Sample ID: AEDGM2
Sample ID: 58771002

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Valerie Davis

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Report Date: July 17, 2002

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Client Sample ID: AEDJM2
Sample ID: 58771016
Matrix: Water
Collect Date: 09-APR-02 11:00
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		49.0	0.280	2.00	ug/L	1	MAP	04/16/02	0028	158628	1
Ethylbenzene		19.1	0.170	2.00	ug/L	1					
Toluene	BJ	0.694	0.170	2.00	ug/L	1					
Xylenes (total)		24.0	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/16/02	0028	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	79%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	76%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	74%	(52%-134%)

Notes:

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- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
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- H Holding time exceeded
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- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
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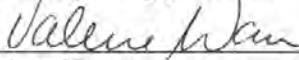
Client Sample ID: AEDJM2
Sample ID: 58771016

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP1M2
Sample ID: 58771009
Matrix: Water
Collect Date: 09-APR-02 13:07
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	1.53	0.280	2.00	ug/L	1	MAP	04/15/02	2257	158628	1
Ethylbenzene	J	0.685	0.170	2.00	ug/L	1					
Toluene	BJ	0.213	0.170	2.00	ug/L	1					
Xylenes (total)	J	2.48	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/15/02	2257	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	87%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	76%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	72%	(52%-134%)

Notes:

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- > Actual result is greater than amount reported
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- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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Client Sample ID: AEP1M2
Sample ID: 58771009

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Client Sample ID: AEP2M2
Sample ID: 58771003
Matrix: Water
Collect Date: 09-APR-02 13:20
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.307	0.280	2.00	ug/L	1	MAP	04/15/02	2056	158628	1
Ethylbenzene	J	0.482	0.170	2.00	ug/L	1					
Toluene	BJ	0.315	0.170	2.00	ug/L	1					
Xylenes (total)	J	1.62	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/15/02	2056	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	85%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	75%	(52%-134%)

Notes:

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- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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Client Sample ID: AEP2M2
Sample ID: 58771003

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP4M2
Sample ID: 58771004
Matrix: Water
Collect Date: 09-APR-02 12:55
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.694	0.280	2.00	ug/L	1	MAP	04/15/02	2126	158628	1
Ethylbenzene	J	1.31	0.170	2.00	ug/L	1					
Toluene	BJ	0.267	0.170	2.00	ug/L	1					
Xylenes (total)	J	4.19	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/15/02	2126	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	87%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	74%	(52%-134%)

Notes:

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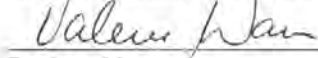
Client Sample ID: AEP4M2
Sample ID: 58771004

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Page 1 of 2

Client Sample ID: AER6M2
Sample ID: 58771010
Matrix: Water
Collect Date: 09-APR-02 10:25
Receive Date: 11-APR-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.620	0.280	2.00	ug/L	1	MAP	04/16/02	2034	158628	1
Ethylbenzene		19.8	0.170	2.00	ug/L	1					
Toluene	BJ	0.297	0.170	2.00	ug/L	1					
Xylenes (total)	J	3.76	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/16/02	2034	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	80%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	76%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	73%	(52%-134%)

Notes:

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Client Sample ID: AER6M2
Sample ID: 58771010

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

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Page 1 of 2

Client Sample ID: HPD015
Sample ID: 58771001
Matrix: Water
Collect Date: 09-APR-02 07:30
Receive Date: 11-APR-02
Collector: Client
Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.280	2.00	ug/L	1	MAP	04/15/02	2026	158628	1
Ethylbenzene	U	ND	0.170	2.00	ug/L	1					
Toluene	BJ	0.262	0.170	2.00	ug/L	1					
Xylenes (total)	U	ND	0.310	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	MAP	04/15/02	2026	158628

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	87%	(58%-137%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	77%	(56%-134%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	75%	(52%-134%)

Notes:

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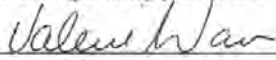
Client Sample ID: HPD015
Sample ID: 58771001

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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58771%

PAGE 1 of 2

CHAIN OF CUSTODY RECORD

GH0032

COC NO.: ~~150~~

PROJECT NAME: HUNTER, BLDG. 728 PILOT STUDY				REQUESTED PARAMETERS																LABORATORY NAME: General Engineering Laboratory		
PROJECT NUMBER: 01-1624-04- 1025-210 2045-200																				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407		
PROJECT MANAGER: Patty Stoll																				PHONE NO: (843) 556-8171		
Sampler (Signature) <i>Patty Stoll</i> (Printed Name) PATRICIA A. STOLL																						
Sample ID	Date Collected	Time Collected	Matrix	BTEX																No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
001 HPD015	4/9/02	0730	Water	2																2		
002 AEDGM2		1150		2																2		
003 AEP2M2		1320		2																2		
004 AEP4M2		1255		2																2		
005 AEDDM2		1045		2																2		
006 AEL6M2		1235		2																2		
007 AEDRM2		1130		2																2		
008 AEDGM2		1230		2																2		
009 AEP1M2		1307		2																2		
010 AER6M2		1025		2																2		
011 AED7M2		1335		2																2		
012 AED0M2		1215		2																2		
013 AED9M2		1005		2																2		
RELINQUISHED BY: <i>Patty Stoll</i>		Date/Time: 4/10/02	RECEIVED BY: <i>Patricia Dower</i>		Date/Time: 4-11-02	TOTAL NUMBER OF CONTAINERS: 34										Cooler Temperature: 4°C						
COMPANY NAME: SAIC		1400	COMPANY NAME: Bel		09:30	Cooler ID: #1										FEDEX NUMBER: 820609380963						
RECEIVED BY: 820609380963		Date/Time: 4/10/02	RELINQUISHED BY:		Date/Time:																	
COMPANY NAME: FedEx		1400	COMPANY NAME:																			
RELINQUISHED BY:		Date/Time:	RECEIVED BY:		Date/Time:																	
COMPANY NAME:			COMPANY NAME:																			



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PAGE 2 of 2

CHAIN OF CUSTODY RECORD

COC NO.: GHØØ32

[illegible]

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Page 1 of 2

Client Sample ID: AE60N2
Sample ID: 61802001
Matrix: Water
Collect Date: 09-JUN-02 11:15
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.330	2.00	ug/L	1	TLW	06/21/02	2224	175199	1
Ethylbenzene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	U	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/21/02	2224	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	102%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	107%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	104%	(58%-139%)

Notes:

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- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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Client Sample ID: AE60N2
Sample ID: 61802001

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AE61N2
Sample ID: 61802009
Matrix: Water
Collect Date: 07-JUN-02 15:40
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	H	7.82	0.330	2.00	ug/L	1	TLW	06/21/02	1843	175199	1
Ethylbenzene	H	4.77	0.210	2.00	ug/L	1					
Toluene	UI	ND	0.390	2.00	ug/L	1					
Xylenes (total)	H	5.76	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/21/02	1843	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	102%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	103%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	100%	(58%-139%)

Notes:

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- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
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- X Lab-specific qualifier - must be fully described in case narrative and data summary package

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Oak Ridge, Tennessee 37831

Report Date: July 17, 2002

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

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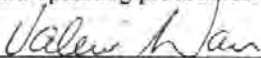
Client Sample ID: AE61N2
Sample ID: 61802009

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AE63N2
Sample ID: 61802003
Matrix: Water
Collect Date: 09-JUN-02 10:30
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.407	0.330	2.00	ug/L	1	TLW	06/21/02	2320	175199	1
Ethylbenzene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	U	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/21/02	2320	175199

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 8260B		

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	101%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	107%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	101%	(58%-139%)

Notes:

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Client Sample ID: AE63N2
Sample ID: 61802003

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED0N2
Sample ID: 61802014
Matrix: Water
Collect Date: 08-JUN-02 10:40
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.330	2.00	ug/L	1	TLW	06/22/02	0330	175199	1
Ethylbenzene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	U	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0330	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	97%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	104%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	99%	(58%-139%)

Notes:

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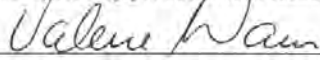
Client Sample ID: AED0N2
Sample ID: 61802014

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED4N2
Sample ID: 61802016
Matrix: Water
Collect Date: 08-JUN-02 09:30
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		69.5	0.330	2.00	ug/L	J	TLW	06/22/02	0426	175199	1
Ethylbenzene		8.55	0.210	2.00	ug/L	I					
Toluene		2.03	0.390	2.00	ug/L	I					
Xylenes (total)	J	3.12	0.830	5.00	ug/L	I					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0426	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	99%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	106%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	101%	(58%-139%)

Notes:

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Client Sample ID: AED4N2
Sample ID: 61802016

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED6N2
Sample ID: 61802010
Matrix: Water
Collect Date: 08-JUN-02 10:30
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		143	0.660	2.00	ug/L	2	TLW	06/22/02	0206	175199	1
Ethylbenzene		47.8	0.420	2.00	ug/L	2					
Toluene	J	1.07	0.780	2.00	ug/L	2					
Xylenes (total)		61.7	1.66	6.00	ug/L	2					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0206	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	105%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	104%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	99%	(58%-139%)

Notes:

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Client Sample ID: AED6N2
Sample ID: 61802010

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED7N2
Sample ID: 61802008
Matrix: Water
Collect Date: 08-JUN-02 09:55
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		61.8	0.660	2.00	ug/L	2	TLW	06/22/02	0138	175199	1
Ethylbenzene		127	0.420	2.00	ug/L	2					
Toluene	J	0.963	0.780	2.00	ug/L	2					
Xylenes (total)		112	1.66	6.00	ug/L	2					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0138	175199

The following Analytical Methods were performed

Method	Description	Analyst	Comments
I	SW846 8260B		

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	101%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	106%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	101%	(58%-139%)

Notes:

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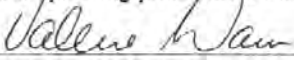
Client Sample ID: AED7N2
Sample ID: 61802008

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AED9N2
Sample ID: 61802019
Matrix: Water
Collect Date: 08-JUN-02 11:20
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		574	6.60	20.0	ug/L	20	TLW	06/22/02	0549	175199	1
Ethylbenzene		506	4.20	20.0	ug/L	20					
Toluene	J	15.7	7.80	20.0	ug/L	20					
Xylenes (total)		1690	16.6	60.0	ug/L	20					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0549	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	97%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	105%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	102%	(58%-139%)

Notes:

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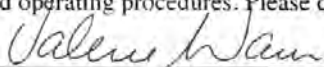
Client Sample ID: AED9N2
Sample ID: 61802019

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Report Date: July 17, 2002

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Client Sample ID: AEDBN2
Sample ID: 61802007
Matrix: Water
Collect Date: 08-JUN-02 10:20
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.330	2.00	ug/L	1	TLW	06/22/02	0110	175199	1
Ethylbenzene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	U	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0110	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	106%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	108%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	101%	(58%-139%)

Notes:

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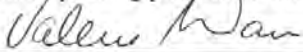
Client Sample ID: AEDBN2
Sample ID: 61802007

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDDN2
Sample ID: 61802002
Matrix: Water
Collect Date: 08-JUN-02 09:50
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		7.75	0.330	2.00	ug/L	1	TLW	06/21/02	2251	175199	1
Ethylbenzene	J	1.60	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	UJ	3.52	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/21/02	2251	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	101%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	107%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	102%	(58%-139%)

Notes:

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- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
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- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
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Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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Client Sample ID: AEDDN2
Sample ID: 61802002

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDGN2
Sample ID: 61802017
Matrix: Water
Collect Date: 08-JUN-02 11:40
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	1.25	0.330	2.00	ug/L	1	TLW	06/22/02	0454	175199	1
Ethylbenzene	J	1.09	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	J	1.57	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0454	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	98%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	105%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	102%	(58%-139%)

Notes:

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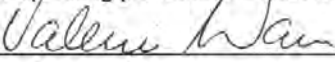
Client Sample ID: AEDGN2
Sample ID: 61802017

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEDJN2
Sample ID: 61802006
Matrix: Water
Collect Date: 08-JUN-02 10:10
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RI	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene		14.9	0.330	2.00	ug/L	1	TLW	06/22/02	0042	175199	1
Ethylbenzene		3.91	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	U	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0042	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fedc	103%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fedc	107%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fedc	101%	(58%-139%)

Notes:

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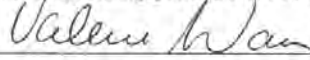
Client Sample ID: AEDJN2
Sample ID: 61802006

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP1N2
Sample ID: 61802013
Matrix: Water
Collect Date: 08-JUN-02 11:10
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.330	2.00	ug/L	1	TLW	06/22/02	0302	175199	1
Ethylbenzene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	U	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0302	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	100%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	104%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	98%	(58%-139%)

Notes:

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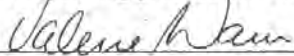
Client Sample ID: AEP1N2
Sample ID: 61802013

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP2N2
Sample ID: 61802015
Matrix: Water
Collect Date: 08-JUN-02 11:00
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	0.350	0.330	2.00	ug/L	1	TLW	06/22/02	0358	175199	1
Ethylbenzene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	U	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0358	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	99%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	109%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	102%	(58%-139%)

Notes:

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Client Sample ID: AEP2N2
Sample ID: 61802015

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AEP4N2
Sample ID: 61802018
Matrix: Water
Collect Date: 08-JUN-02 11:00
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.330	2.00	ug/L	1	TLW	06/22/02	0521	175199	1
Ethylbenzene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	U	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0521	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	96%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	107%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	101%	(58%-139%)

Notes:

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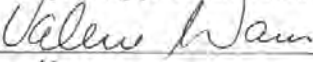
Client Sample ID: AEP4N2
Sample ID: 61802018

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AER6N2
Sample ID: 61802012
Matrix: Water
Collect Date: 09-JUN-02 09:40
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	J	1.52	0.330	2.00	ug/L	1	TLW	06/22/02	0234	175199	1
Ethylbenzene		27.5	0.210	2.00	ug/L	1					
Toluene		2.03	0.390	2.00	ug/L	1					
Xylenes (total)		34.0	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0234	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	101%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	108%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	104%	(58%-139%)

Notes:

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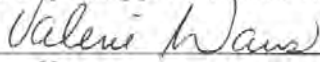
Client Sample ID: AER6N2
Sample ID: 61802012

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Client Sample ID: AER6N4
Sample ID: 61802005
Matrix: Water
Collect Date: 09-JUN-02 09:45
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	I	1.42	0.330	2.00	ug/L	I	TLW	06/22/02	0015	175199	I
Ethylbenzene		26.9	0.210	2.00	ug/L	I					
Toluene		2.02	0.390	2.00	ug/L	I					
Xylenes (total)		33.8	0.830	5.00	ug/L	I					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/22/02	0015	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	106%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	105%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	102%	(58%-139%)

Notes:

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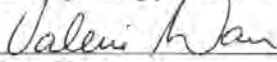
Client Sample ID: AER6N4
Sample ID: 61802005

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Report Date: July 17, 2002

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Client Sample ID: HP0047
Sample ID: 61802011
Matrix: Water
Collect Date: 07-JUN-02 07:45
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	HU	ND	0.330	2.00	ug/L	1	TLW	06/21/02	1910	175199	1
Ethylbenzene	HU	ND	0.210	2.00	ug/L	1					
Toluene	HU	ND	0.390	2.00	ug/L	1					
Xylenes (total)	HU	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/21/02	1910	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Federal	105%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Federal	108%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Federal	106%	(58%-139%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package

The above sample is reported on an "as received" basis.





GENERAL ENGINEERING LABORATORIES

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Certificate of Analysis

Company : SAIC
Address : 151 Lafayette Drive
Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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Client Sample ID: HP0047
Sample ID: 61802011

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Valerie Davis
Reviewed by





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Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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Client Sample ID: HP0048
Sample ID: 61802004
Matrix: Water
Collect Date: 09-JUN-02 07:45
Receive Date: 10-JUN-02
Collector: Client

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B BTEX in Liquid Federal</i>											
Benzene	U	ND	0.330	2.00	ug/L	1	TLW	06/21/02	2347	175199	1
Ethylbenzene	U	ND	0.210	2.00	ug/L	1					
Toluene	U	ND	0.390	2.00	ug/L	1					
Xylenes (total)	U	ND	0.830	5.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	06/21/02	2347	175199

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery %	Acceptable Limits
Bromofluorobenzene	5035/8260B BTEX in Liquid Fede	103%	(67%-136%)
Dibromofluoromethane	5035/8260B BTEX in Liquid Fede	109%	(62%-148%)
Toluene-d8	5035/8260B BTEX in Liquid Fede	105%	(58%-139%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package

The above sample is reported on an "as received" basis.





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Oak Ridge, Tennessee 37831

Contact: Leslie Barbour
Project: Post-Pilot Study Bldg 728 UST

Report Date: July 17, 2002

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Client Sample ID: HP0048
Sample ID: 61802004

Project: SAIC00999
Client ID: SAIC017

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Valerie Davis

Reviewed by



61802/

CHAIN OF CUSTODY RECORD

COC NO.: 6140033

PROJECT NAME: Hunter Bldg. 728				REQUESTED PARAMETERS																LABORATORY NAME: General Engineering Laboratory				
PROJECT NUMBER: 01-1624-04-2045-200																				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417				
PROJECT MANAGER: Patty Stoll																				PHONE NO: (843) 556-8171				
Sampler (Signature) <i>Patty Stoll</i> (Printed Name) PATRICIA A. STOLL																				OVA SCREENING		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
Sample ID	Date Collected	Time Collected	Matrix	BTEX																		No. of Bottles/ Vials		
001 AEL64N2	6/9/02	1115	Water	2																		2		
002 AEDDN2	6/8/02	0950		2																		2		
003 AEL63N2	6/9/02	1030		2																		2		
004 HP0048	6/9/02	0745		2																		2		
005 AER6N4	6/9/02	0945		2																		2		
006 AEDN2	6/8/02	1010		2																		2		
007 AEDBN2	6/8/02	1020		2																		2		
008 AED7N2	6/8/02	0955		2																		2		
009 AEL61N2	6/7/02	1540		2																		2		
010 AED6N2	6/8/02	1030		2																		2		
011 HP0047	6/7/02	0745		2																		2		
012 AER6N2	6/9/02	0940		2																		2		
013 AEPIN2	6/8/02	1110		2																		2		
RELINQUISHED BY: <i>Patty Stoll</i>		Date/Time: 1336	RECEIVED BY: <i>[Signature]</i>		Date/Time:	TOTAL NUMBER OF CONTAINERS: 38																Cooler Temperature: 4°C		
COMPANY NAME: SAIC		100-02	COMPANY NAME: GEL			Cooler ID: SAIC #4																FEDEX NUMBER:		
RECEIVED BY: <i>[Signature]</i>		Date/Time: 6-10-02	RELINQUISHED BY:		Date/Time:																			
COMPANY NAME: GEL		1600	COMPANY NAME:																					
RELINQUISHED BY:		Date/Time:	RECEIVED BY:		Date/Time:																			
COMPANY NAME:			COMPANY NAME:																					



CHAIN OF CUSTODY RECORD

COC NO.: 8H6633

[illegible]