Haley & Aldrich, Inc.
9040 Friars Road
Suite 220
San Diego, CA 92108-5860

Tel: 619.280.9210
Fax: 619.280.9415
HaleyAldrich.com

HALEY & ALDRICH

28 November 2007
File No. 28882-623

South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, CA 91765-4182

Attention: Toxics and Waste Management Unit

Subject: Toxic Risk Assessment
Building 1-36 Soil Vapor Extraction System
17200 1/2 Harborgate
Torrance, California
Permit No, F61584, A/N 415853, ID Number 130928

To Whom It May Concern:

Pursuant to the South Coast Air Management District (SCAQMD) Permit Number F61584 (Attachment A), Haley & Aldrich, Inc. (Haley & Aldrich) is submitting this letter to notify the SCAQMD that a trace toxic was measured in the effluent of the Building 1-36 soil vapor extraction (SVE) system which exceeded permit limits.

Carbon disulfide was reported at a concentration of 11 parts per billion by volume (ppbv) in Sample GAC0001X_AV110107_0001 which was collected in the effluent vapor stream of the SVE system on 1 November 2007 (see Attachment B). Carbon disulfide was not reported above method reporting limits in samples collected in the SVE systems influent vapor stream (Sample GAC0001U_AV110107_0001; ND< 33 ppbv), or in the sample collected between the two carbon vessels (Sample GAC001B_AV110107_0001; ND< 18 ppbv).

The permit for this system limits the concentration of trace toxics, which includes carbon disulfide, to 5 ppbv. If this limit is exceeded, the permit requires that a risk assessment, showing that the risk does not exceed ten in a million, be conducted and submitted to the SCAQMD. Because carbon disulfide is not a carcinogenic compound, calculation of a maximum individual cancer risk (MICR) is not required.

If you require additional information, or have any questions, please do not hesitate to contact the undersigned at 619-280-9210.

Sincerely,

Patrick A. Keddington, P.E.
CA License No. C64476
Senior Engineer

Attachments

Attachment A – SCAQMD Permit Number F61584, A/N 415853
Attachment B – Laboratory Analytical Report

c:

The Boeing Company; Attn: Bill Pearce
The Boeing Company; Attn; John Scott
Haley & Aldrich; Attn: Joe Weidman

G:\28882 C-6\623\Correspondence\2007_1128_HAI_C-6MICR_F.doc

Attachment A
SCAQMD Permit Number F61584, A/N 415853

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No
F61584
A/N 415853

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership
If the billing for annual renewal fee (Rule 301 f) is not received by the expiration date, contact the District

LEGAL OWNER
OR OPERATOR

BOEING REALTY CORPORATION
3855 LAKEWOOD BLVD M/C D850-
LONG BEACH, CA 90846

ID 130928

Equipment Location: 17200 - 1/2 HARBORGATE, TORRANCE, CA 90501

Equipment Description:

UNDERGROUND CONTAMINATED SOIL VAPOR EXTRACTION AND CONTROL SYSTEM CONSISTING OF

1 VAPOR EXTRACTION WELLS

2 KNOCKOUT POT, VAPOR/LIQUID

3 BLOWER, 1100 SCFM MAXIMUM

4 TWO CARBON ADSORBERS, IN SERIES, EACH WITH A MINIMUM OF 3000 POUNDS OF ACTIVATED CARBON

Conditions.

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES

3) IDENTIFICATION TAGS OR NAMEPLATES SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NO AND SERIAL NO THE TAGS OR NAMEPLATES SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE AFFIXED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS LOCATION

4) CURRENT CONTACT PERSON'S NAME, COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS LOCATION

5) UPON COMPLETION, THE VAPOR EXTRACTION WELLS AND DUCTS SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL UNLESS THEY ARE VENTED TO THE VAPOR CONTROL SYSTEM, WITH NO DETECTABLE LEAK BETWEEN THE OUTLET OF THE BLOWER AND THE OUTLET OF THE VAPOR CONTROL SYSTEM

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

6) A FLOW INDICATOR SHALL BE INSTALLED AND MAINTAINED AT THE INLET TO THE VAPOR CONTROL SYSTEM TO INDICATE THE FLOW RATE IN STANDARD CUBIC FEET PER MINUTE (SCFM) IN CASE A PRESSURE SENSOR DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE (IN CFM) CORRESPONDING TO THE PRESSURE READING

7) THE TOTAL FLOW RATE AT THE INLET TO THE VAPOR CONTROL SYSTEM SHALL NOT EXCEED 1100 SCFM

8) THE VOLATILE ORGANIC COMPOUNDS (VOC) CONCENTRATIONS SHALL BE MEASURED AT THE INLET, MIDPOINT AND OUTLET OF THE VAPOR CONTROL SYSTEM AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST 14 DAYS OF OPERATION WHENEVER THE WEIGHT OF THE CARBON DECREASES DURING CHANGEOVER, THEN ONCE EVERY 7 DAYS OF OPERATION THEREAFTER, BY USING A FLAME IONIZATION DETECTOR OR AN AQMD APPROVED ORGANIC VAPOR ANALYZER (OVA) CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) OF HEXANE (IF ANOTHER CALIBRATING AGENT IS USED IT SHALL BE CORRELATED TO AND EXPRESSED AS HEXANE)

9) SAMPLES SHALL BE COLLECTED AND ANALYZED ONCE DURING THE FIRST WEEK OF OPERATION FOR VOLATILE ORGANIC COMPOUNDS AND SPECIATED FOR (BENZENE, CHLORINATED CHLORINATED COMPOUNDS) AS FOLLOWS

   A SAMPLES SHALL BE COLLECTED AT THE INLET AND OUTLET THE CARBON ADSORPTION SYSTEM

   B SAMPLING AND ANALYSIS SHALL BE CONDUCTED BY AN INDEPENDENT LABORATORY PER RULE 304

   C SAMPLING SHALL CONFORM TO CARB METHOD 422 OR EQUIVALENT SAMPLES WITH HIGH MOISTURE SHALL BE COLLECTED USING AN APPROPRIATE METHOD SUCH AS SCAQMD METHOD 25 1/25 3 OR OTHER METHODS APPROVED BY SCAQMD

   D ANALYSIS SHALL BE CONDUCTED USING EPA METHOD 8015/8021 AND EPA METHOD 8260 OR OTHER METHOD APPROVED BY SCAQMD

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

10) SAMPLES SHALL BE COLLECTED AND ANALYZED ONCE EACH MONTH OF OPERATION FOR VOLATILE ORGANIC COMPOUNDS AND SPECIATED FOR (BENZENE, CHLORINATED COMPOUNDS) AS FOLLOWS

A SAMPLES SHALL BE COLLECTED AT THE INLET AND OUTLET OF THE CARBON ADSORPTION SYSTEM

B SAMPLING SHALL CONFORM TO CARB METHOD METHOD 422 OR EQUIVALENT SAMPLES WITH HIGH MOISTURE SHALL BE COLLECTED USING AN APPROPRIATE METHOD SUCH AS SCAQMD METHOD 25 1/25 3 OTHER METHODS APPROVED BY SCAQMD

C ANALYSIS SHALL BE CONDUCTED USING EPA METHOD 8015/8021 AND EPA METHOD 8260 OR OTHER METHOD APPROVED BY SCAQMD

11) THE VOC CONCENTRATION MEASURED AT THE OUTLET OF THE VAPOR CONTROL SYSTEM SHALL NOT EXCEED 20 PPMV AS HEXANE

12) EMISSIONS OF THE LISTED COMPOUNDS (AS HEXANE), MEASURED AT THE OUTLET OF THE CONTROL SYSTEM, SHALL NOT EXCEED THE FOLLOWING LIMITS

1,1-DICHLOROETHENE	1 24 PPMV
1,1-DICHLOROETHANE	0 9 PPMV
2-BUTANONE (MEK)	3 1 PPMV
1,1,1-TRICHLOROETHANE	15 5 PPMV
TRICHLOROETHENE	4 3 PPMV
1,1,2-TRICHLOROETHANE	0 2 PPMV
BENZENE	0 3 PPMV
METHYLENE CHLORIDE	0 14PPMV
1,2-DICHLOROETHENE	0 11PPMV
TOLUENE	0 92 PPMV
XYLENE	0 16 PPMV
PERCHLOROETHYLENE	0 05 PPMV
CHLOROFORM	0 05 PPMV
ETHYLBENZENE	0 05 PPMV
EACH TRACE TOXIC	0 005 PPMV

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CONTINUATION OF PERMIT TO OPERATE

13) THIS EQUIPMENT SHALL NOT BE USED TO TREAT OR EXTRACT VAPORS FROM SOILS CONTAMINATED WITH ANY RULE 1401 COMPOUNDS (AS AMENDED JUNE 15, 2001) OTHER THAN THE FOLLOWING

1,1-DICHLOROETHENE
1,1-DICHLOROETHANE
2-BUTANONE (MEK)
1,1,1-TRICHLOROETHANE
TRICHLOROETHENE
1,1,2-TRICHLOROETHANE
BENZENE
METHYLENE CHLORIDE
1,2-DICHLOROETHENE
TOLUENE
XYLENE
PERCHLOROETHYLENE
CHLOROFORM
ETHYLBENZENE
TRACE TOXICS

14) WHENEVER TRACE TOXIC COMPOUNDS ARE DETECTED, THE APPLICANT SHALL SUBMIT A TOXIC RISK ASSESSMENT WITHIN 30 DAYS TO THE SCAQMD, ATTENTION TOXICS AND WASTE MANAGEMENT UNIT, TO SHOW THAT THE TOXIC RISK DOES NOT EXCEED TEN IN A MILLION

15) WHENEVER THE VOC CONCENTRATION MEASURED AT THE OUTLET OF THE PRIMARY ADSORBER REACHES 20 PPMV, AS HEXANE, THE VAPOR CONTROL SYSTEM SHALL BE SHUT DOWN AND THE PRIMARY ADSORBER REPLACED WITH FRESH CARBON OR WITH THE SECONDARY VESSEL AND THE SECONDARY VESSEL REPLACED WITH FRESH CARBON (CARBON WITH CTC ACTIVITY NUMBER AT LEAST 60, ASTM D3467)

16) THE CARBON ADSORBERS SHALL BE CONNECTED IN SERIES EACH CARBON ADSORBER SHALL CONTAIN A MINIMUM OF 3000 POUNDS OF ACTIVATED CARBON

17) THE STACK HEIGHT SHALL BE A MINIMUM OF 14'-0" ABOVE GRADE

18) RECORDS SHALL BE MAINTAINED TO VERIFY COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M Bailey/tk01
6/19/2003

FILE COPY

Attachment B
Laboratory Analytical Report

STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

November 12, 2007

LOT NUMBER: **E7K010382**
PO/CONTRACT: EM26900 Task 3

Clara Boeru
Tait Environmental
701 Park Center Dr
Santa Ana, CA 92705

Dear Ms. Boeru,

This report contains the analytical results for the three samples received under chain of custody by TestAmerica Los Angeles on November 1, 2007. These samples are associated with your Boeing C-6/Tait project.

TestAmerica Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for TestAmerica Los Angeles is E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page.

The Analytical Report was provided on November 9, 2007.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000042 pages.

Leaders in Environmental Testing

CASE NARRATIVE

LOT NUMBER E7K010382

Nonconformance 05-0020599

Affected Samples:
E7K010382 (1): GAC0001X_AV110107_0001
E7K010382 (2): GAC0001B_AV110107_0001
E7K010382 (3): GAC0001U_AV110107_0001

Affected Methods:
TO-15

Prep Batch#:
7312564

Details:
All analytes in the LCS/LCSD (Laboratoty Control Sample/Laboratory Control Sample Duplicate) are within the established control limits except for Bromomethane. However, this analyte is within the established ME (Marginal Exceedence) limits. One out of 16 analytes is allowed in the established ME limits per NELAC requirements. No further corrective action was done.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Marisol Tabirara
Project Manager

cc: Project File

E7K010382

STL Los Angeles
1721 South Grand Avenue

Santa Ana, CA 92705
phone 714-258-8610 fax 714-258-0921

SEVERN TRENT STL

Chain of Custody Record

E7K010382

Severn Trent Laboratories, Inc.

Client Contact	Project Manager: Narcisa Boeru	Sampler: Lester Widner	Date: ~~10/3~~ 11/1/07	COC No:
TAIT Environmental Management	Tel/Fax: 714-719-6881/ 714-560-8235	Lab Contact: Trupti Mistry	Carrier:	__1__ of __1__ COCs
701 N. Parkcenter Dr.	Analysis Turnaround Time			Job No.
Santa Ana, CA 92705	Calendar (C) or Work Days (W) _____			
(714) 560-8200 Phone	TAT if different from Below: NORMAL			
(714) 560-8235 FAX	[X] 1 week			SDG No.
Project Name: Boeing, Torrance				
Site: Former C-6 Facility	[ ] 2 days			
P O # EM26900 Task 3	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TO-15 (TNMOC)	TO-3 Gasoline	Sample Specific Notes:
GAC0001X_AV110107_0001	11/1/2007	1130	SUMMA CAN	AIR	1		X	X	Effluent
GAC0001B_AV110107_0001	11/1/2007	1200	SUMMA CAN	AIR	1		X	X	Breakthru
GAC0001U_AV110107_0001	11/1/2007	1230	SUMMA CAN	AIR	1		X	X	Influent

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
[ ] *Non-Hazard* [ ] *Flammable* [ ] *Skin Irritant* [ ] *Poison B* [ ] *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] *Return To Client* [X] *Disposal By Lab* [ ] *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Please email results to cboeru@tait.com
CALL PM IF MDLs/RLs ARE NOT ATTAINABLE!

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TAIT - TEM	11/1/07 1245	[signature]	TAL	11/01/07 1245
Relinquished by: [signature] TAT	Company: TAL	Date/Time: 11/01/07 1325	Received by: [signature]	Company: TA-LA	Date/Time: 11/1/07 1325
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

3

BOE-C6-0056183

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST

Date: 11/1/07

LIMS Lot #: E7K010382 Quote #: 40334

Client Name: TAIT Project: Boeing C-6

Received by: KF Date/Time Received: 11/1/07 1325

Delivered by : ☐ Client ☒ STL ☐ Airborne ☐ Fed Ex ☐ UPS ☐ Other _____

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 11/1/07
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☒ Yes ☐No ☐N/A	
IR Gun # _A_ Correction Factor _____°C IR passed daily verification ☐ Yes ☐No	N/A
Temperature - **BLANK** _____°C +/- ___ CF = _____°C	N/A
Temperature – **COOLER** (____°C ____°C ____°C ____°C) = _____ avg °C +/- ____ CF = _____°C	N/A
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	N/A
Sample Container(s): ☒ STL-LA ☐ Client	SG 11/1/07
One COC/Multiple coolers: ☐ Yes- # coolers _____ All within temp criteria ☐ Yes ☐No ☒N/A	N/A
One or more coolers with an anomaly: ☐ Yes – (fill out PRC for each) ☒N/A	N/A
Samples: ☒Intact ☐Broken ☐Other_____	SG 11/1/07
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A	N/A
Anomalies: ☒No ☐Yes – complete CUR and Create NCM NCM # _____	SG 11/1/07
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ N/A	
Labeled by: SG Labeling checked	

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL	SG 11/1/07
Short-Hold Notification: ☐ pH ☐Wet Chem. ☐Metals (Filter/Pres) ☐Encore ☐ >1/2 HT expired	N/A

Outside Analysis(es) (Test/Lab/Date Sent Out) :

_____

_____

_____

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☒N/A _____

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 5mm ☐ < 5mm			☐ > 5mm ☐ < 5mm
		☐ > 5mm ☐ < 5mm			☐ > 5mm ☐ < 5mm
		☐ > 5mm ☐ < 5mm			☐ > 5mm ☐ < 5mm
		☐ > 5mm ☐ < 5mm			☐ > 5mm ☐ < 5mm
		☐ > 5mm ☐ < 5mm			☐ > 5mm ☐ < 5mm
		☐ > 5mm ☐ < 5mm			☐ > 5mm ☐ < 5mm
		☐ > 5mm ☐ < 5mm			☐ > 5mm ☐ < 5mm

LIMS Lot # E7K010382

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-3												
1L Tedlar Bag													
1L Black Tedlar Bag													
3L Tedlar Bag													
10L Tedlar Bag													
6L Summa Canister	1												
UNUSED													

* VOA with headspace/bubbles

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

☒N/A 11/1/07

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date:	PM Review/Date:
11/1/07	CE 11/2/07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: TAIT
CANISTER SERIAL #: 04188
DATE CLEANED: 10-25-07A
CLIENT SAMPLE #: GAC 0001X-AV110107.0001
SITE LOCATION: C-6

VFR ID: _____
Duration of comp. : _____ hrs. / mins.
Flow setting: _____ ml/min
Initials: _____

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	10/30/07	[illegible]
INITIAL FIELD VACUUM	1125	30"	11/1/07	LW
FINAL FIELD READING	1135	0"	11/1/07	LW
GAUGE READING UPON RECEIPT				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (inches Hg and PSIA)	14.04	11/2/07	[illegible]
FINAL PRESSURE (PSIA)	25.05	11/2/07	[illegible]

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 MIN.	316-333
0.5 Hours	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: TAIT
CANISTER SERIAL #: 93102
DATE CLEANED: 10-25-07A
CLIENT SAMPLE #: GAC 0001B-AV110107-0001
SITE LOCATION: C-6

VFR ID: _____
Duration of comp. : _____ hrs. / mins.
Flow setting: _____ ml/min
Initials: _____

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	10/30/07	[illegible]
INITIAL FIELD VACUUM	1155	30"	11/1/07	LW
FINAL FIELD READING	1205	0"	11/1/07	LW
GAUGE READING UPON RECEIPT				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (inches Hg and PSIA)	12.80	11/2/07	[illegible]
FINAL PRESSURE (PSIA)	23.05	11/2/07	[illegible]

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 MIN.	316-333
0.5 Hours	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: TAIT

CANISTER SERIAL #: 93093

DATE CLEANED: 10-25-07A

CLIENT SAMPLE #: GAC00D1 U_AV110107-0001

SITE LOCATION: C-6

VFR ID: _____

Duration of comp. : _____ hrs. / mins.

Flow setting: _____ ml/min

Initials: _____

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	10/30/07	[illegible]
INITIAL FIELD VACUUM	1225	30"	11/1/07	[illegible]
FINAL FIELD READING	1235	30	11/1/07	[illegible]
GAUGE READING UPON RECEIPT				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (inches Hg and PSIA)	14.15	11/2/07	[illegible]
FINAL PRESSURE (PSIA)	23.42	11/2/07	[illegible]

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 MIN.	316-333
0.5 Hours	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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CANISTER QC CERTIFICATION

TestAmerica

Certification Type: TO-15 ML

Date Cleaned/Batch: 102507A

Date of QC: 10-29-7

Data File Number: MB10291 (MSB)

CANISTER ID NUMBERS

*93093 ✓	12232
0168	A-297
9610BB	04424
93102 ✓	92060
9388B	9701B
04188 ✓	93273

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature]

Date: 10-29-7

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STL Los Angeles

AIR TOXICS - TO-14A/TO-15 MEDIUM LEVEL

Data file : \\LAPC065\MSB_DD\chem\gcmsb.i\071029.B\MB10291.D
Lab Smp Id: BLANK Client Smp ID: 93093
Inj Date : 29-OCT-2007 10:08
Operator : DLK Inst ID: gcmsb.i
Smp Info : BLANK,93093,,METHOD BLANK
Misc Info : 1,1,500,500,3,,BLANK,BLANK.sub,0,
Comment :
Method : \\LAPC065\MSB_DD\chem\gcmsb.i\071029.b\TO14A.m
Meth Date : 29-Oct-2007 07:45 almagroa Quant Type: ISTD
Cal Date : 23-OCT-2007 00:22 Cal File: IC1022E.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: BLANK.sub
Target Version: 4.04
Processing Host: LAPC065

Concentration Formula: Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol)

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	1.000	FinalPres
InitPres	1.000	InitPres
CalVol	500.000	CalVol
SmpVol	500.000	SmpVol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	FINAL (ppbv)
37 Methylene Chloride	49	5.489	5.450	(0.672)	8806	0.82951	0.8295(a)
* 57 Bromochloromethane	49	8.170	8.167	(1.000)	666893	50.0000	
$ 65 1,2-Dichloroethane-d4	65	9.181	9.187	(0.920)	446421	51.6397	51.64
* 73 1,4-Difluorobenzene	114	9.984	9.991	(1.000)	1636204	50.0000	
$ 87 Toluene-d8	100	12.584	12.590	(1.260)	851597	51.8941	51.89
* 100 Chlorobenzene-d5	117	15.228	15.235	(1.000)	1331261	50.0000	
$ 114 4-Bromofluorobenzene	95	17.467	17.482	(1.147)	1326913	52.2221	52.22

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

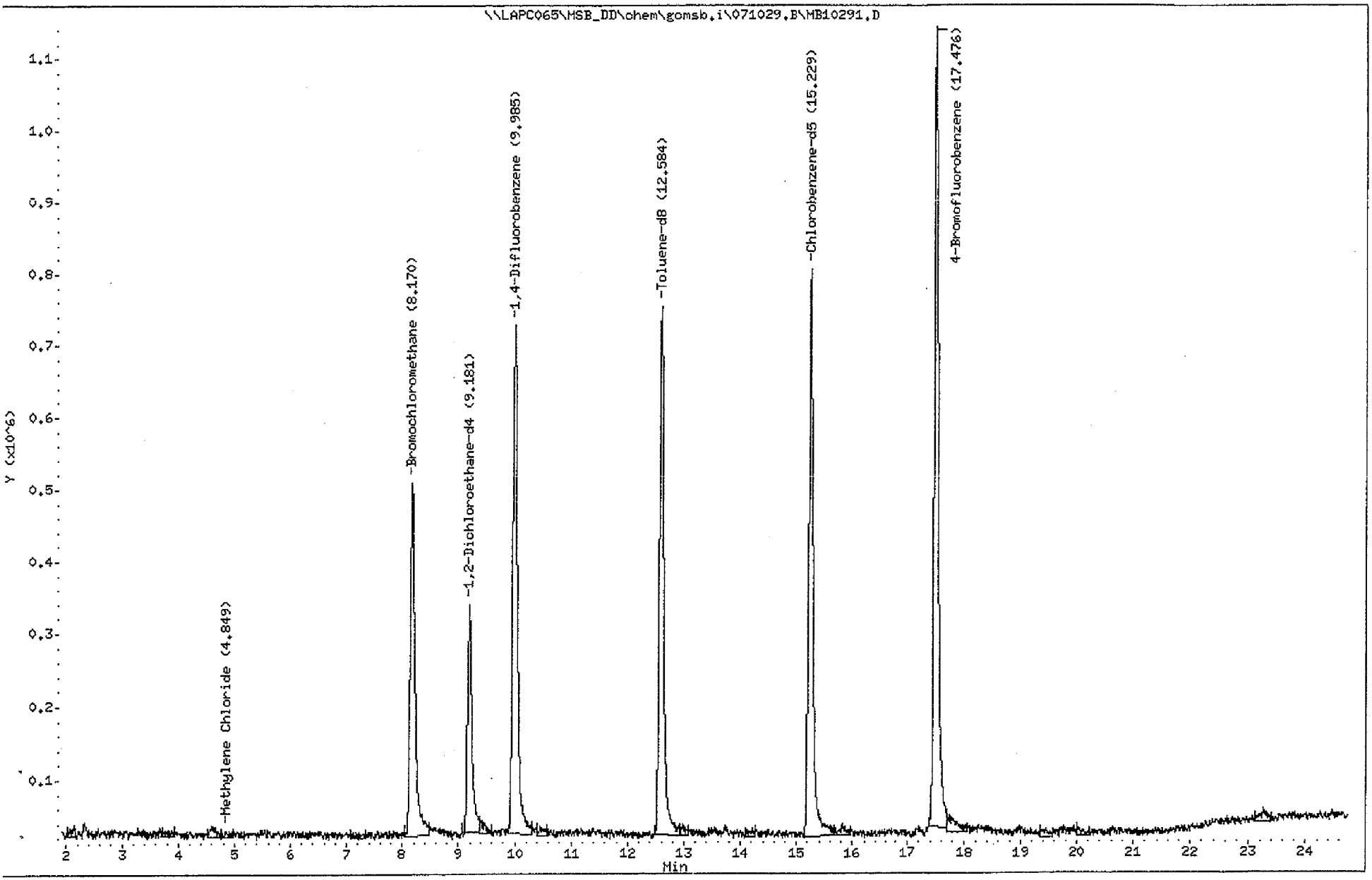
Data File: \\LAPC065\MSB_DD\chem\gcmsb.i\071029.B\MB10291.D
Date : 29-OCT-2007 10:08
Client ID: 93093
Sample Info: BLANK,93093,,METHOD BLANK

Instrument: gcmsb.i

Operator: DLK

Column phase: J&W DB-624

Column diameter: 0.53



BOE-C6-0056191

E7K010382

STL

Analytical Report

BOE-C6-0056192

ANALYTICAL REPORT

Boeing C-6/Tait

Lot #: E7K010382

Clara Boeru

Tait Environmental

TESTAMERICA LABORATORIES, INC.

Marisol Tabirara
Project Manager

November 9, 2007

BOE-C6-0056193

EXECUTIVE SUMMARY - Detection Highlights

E7K010382

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GAC0001X_AV110107_0001 11/01/07 11:30 001				
TPH (as Gasoline)	0.54 J	1.8	ppm(v/v)	EPA-2 TO-3
TNMOC as Hexane	200	36	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	1.2 J	2.0	ppb(v/v)	EPA-2 TO-15
Chloromethane	1.1 J	4.0	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	2.6	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	70	2.0	ppb(v/v)	EPA-2 TO-15
Carbon disulfide	11	10	ppb(v/v)	EPA-2 TO-15
Acetone	13	10	ppb(v/v)	EPA-2 TO-15
Methylene chloride	1.5 J,B	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	2.4	2.0	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	2.8	2.0	ppb(v/v)	EPA-2 TO-15
Chloroform	2.5	2.0	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	160	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	1.0 J	2.0	ppb(v/v)	EPA-2 TO-15
Trichloroethene	4.1	2.0	ppb(v/v)	EPA-2 TO-15
GAC0001B_AV110107_0001 11/01/07 12:00 002				
TPH (as Gasoline)	0.60 J	1.8	ppm(v/v)	EPA-2 TO-3
TNMOC as Hexane	850	18	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	3.9	3.6	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	130	3.6	ppb(v/v)	EPA-2 TO-15
Acetone	37	18	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	5.9	3.6	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	5.4	3.6	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	190	18	ppb(v/v)	EPA-2 TO-15
Chloroform	5.4	3.6	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	290	3.6	ppb(v/v)	EPA-2 TO-15
Trichloroethene	310	3.6	ppb(v/v)	EPA-2 TO-15
Toluene	59	3.6	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	19	3.6	ppb(v/v)	EPA-2 TO-15
GAC0001U_AV110107_0001 11/01/07 12:30 003				
TNMOC as Hexane	810	33	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	6.0 J	6.6	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	250	6.6	ppb(v/v)	EPA-2 TO-15
Methylene chloride	4.8 J,B	6.6	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	9.7	6.6	ppb(v/v)	EPA-2 TO-15
Chloroform	5.7 J	6.6	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	470	6.6	ppb(v/v)	EPA-2 TO-15
Trichloroethene	250	6.6	ppb(v/v)	EPA-2 TO-15

BOE-C6-0056194

METHODS SUMMARY

E7K010382

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
TPH by TO-3	EPA-2 TO-3	
Volatile Organics by TO15	EPA-2 TO-15	

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

BOE-C6-0056195

SAMPLE SUMMARY

E7K010382

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KADJT	001	GAC0001X_AV110107_0001	11/01/07	11:30
KADJV	002	GAC0001B_AV110107_0001	11/01/07	12:00
KADJW	003	GAC0001U_AV110107_0001	11/01/07	12:30

NOTE(S):

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

BOE-C6-0056196

Tait Environmental

Client Sample ID: GAC0001X_AV110107_0001

GC/MS Volatiles

Lot-Sample #...:	E7K010382-001	**Work Order #...:**	KADJT1AD	**Matrix.....:**	V
Date Sampled...:	11/01/07 11:30	**Date Received..:**	11/01/07 13:25	**MS Run #.....:**	
Prep Date.....:	11/07/07	**Analysis Date..:**	11/07/07		
Prep Batch #...:	7312567	**Analysis Time..:**	11:27		
Dilution Factor:	1				
Analyst ID.....:	117751	**Instrument ID..:**	MSB		
		Method.....:	EPA-2 TO-15		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl tert-butyl ether	ND	2.0	ppb(v/v)	1.0
Dichlorodifluoromethane	**1.2 J**	**2.0**	**ppb(v/v)**	**1.0**
Chloromethane	**1.1 J**	**4.0**	**ppb(v/v)**	**1.0**
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ppb(v/v)	1.0
Vinyl chloride	ND	3.0	ppb(v/v)	1.5
Bromomethane	ND	4.0	ppb(v/v)	2.0
Chloroethane	ND	4.0	ppb(v/v)	1.5
Trichlorofluoromethane	**2.6**	**2.0**	**ppb(v/v)**	**1.0**
1,1-Dichloroethene	**70**	**2.0**	**ppb(v/v)**	**1.0**
Carbon disulfide	**11**	**10**	**ppb(v/v)**	**2.0**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ppb(v/v)	1.0
Acetone	**13**	**10**	**ppb(v/v)**	**2.5**
Methylene chloride	**1.5 J,B**	**2.0**	**ppb(v/v)**	**0.80**
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	1.0
1,1-Dichloroethane	**2.4**	**2.0**	**ppb(v/v)**	**1.0**
Vinyl acetate	ND	10	ppb(v/v)	2.0
cis-1,2-Dichloroethene	**2.8**	**2.0**	**ppb(v/v)**	**0.80**
2-Butanone (MEK)	ND	10	ppb(v/v)	2.0
Chloroform	**2.5**	**2.0**	**ppb(v/v)**	**1.0**
1,1,1-Trichloroethane	**160**	**2.0**	**ppb(v/v)**	**1.0**
Carbon tetrachloride	ND	2.0	ppb(v/v)	1.0
Benzene	ND	3.0	ppb(v/v)	1.5
1,2-Dichloroethane	**1.0 J**	**2.0**	**ppb(v/v)**	**1.0**
Trichloroethene	**4.1**	**2.0**	**ppb(v/v)**	**1.0**
1,2-Dichloropropane	ND	3.0	ppb(v/v)	1.5
Bromodichloromethane	ND	2.0	ppb(v/v)	1.0
cis-1,3-Dichloropropene	ND	3.0	ppb(v/v)	1.5
4-Methyl-2-pentanone (MIBK)	ND	10	ppb(v/v)	2.0
Toluene	ND	2.0	ppb(v/v)	1.0
trans-1,3-Dichloropropene	ND	2.0	ppb(v/v)	1.0
1,1,2-Trichloroethane	ND	2.0	ppb(v/v)	1.0
Tetrachloroethene	ND	2.0	ppb(v/v)	1.0
2-Hexanone	ND	10	ppb(v/v)	2.0
Dibromochloromethane	ND	2.0	ppb(v/v)	1.0

(Continued on next page)

BOE-C6-0056197

Tait Environmental

Client Sample ID: GAC0001X_AV110107_0001

GC/MS Volatiles

Lot-Sample #...: E7K010382-001 **Work Order #...:** KADJT1AD **Matrix.....:** V

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane (EDB)	ND	2.0	ppb(v/v)	1.0
Chlorobenzene	ND	2.0	ppb(v/v)	1.0
Ethylbenzene	ND	2.0	ppb(v/v)	1.0
Xylenes (total)	ND	4.0	ppb(v/v)	1.0
m-Xylene & p-Xylene	ND	4.0	ppb(v/v)	2.0
o-Xylene	ND	2.0	ppb(v/v)	1.0
Styrene	ND	2.0	ppb(v/v)	1.0
Bromoform	ND	2.0	ppb(v/v)	0.50
1,1,2,2-Tetrachloroethane	ND	2.0	ppb(v/v)	1.0
Benzyl chloride	ND	25	ppb(v/v)	8.0
4-Ethyltoluene	ND	2.0	ppb(v/v)	0.70
1,3,5-Trimethylbenzene	ND	3.0	ppb(v/v)	1.1
1,2,4-Trimethylbenzene	ND	3.0	ppb(v/v)	1.3
1,3-Dichlorobenzene	ND	2.0	ppb(v/v)	0.80
1,4-Dichlorobenzene	ND	6.0	ppb(v/v)	3.0
1,2-Dichlorobenzene	ND	2.0	ppb(v/v)	0.90
1,2,4-Trichloro-benzene	ND	5.0	ppb(v/v)	2.5
Hexachlorobutadiene	ND	4.0	ppb(v/v)	1.3
Naphthalene	ND	6.0	ppb(v/v)	3.0

NOTE(S):

J Estimated result. Result is less than RL.

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

Tait Environmental

GAC0001X_AV110107_0001

GC/MS Volatiles

Lot-Sample #: E7K010382-001 **Work Order #:** KADJT1AD **Matrix:** V

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
1,3-Dioxolane	646-06-0	7.2	M	7.9481	ppb(v/v)
Disulfide, dimethyl	624-92-0	5.5	M	12.217	ppb(v/v)
Cyclotrisiloxane, hexamethyl-	541-05-9	55	M	13.517	ppb(v/v)
Unknown Hydrocarbon		14	M	20.241	ppb(v/v)
Unknown Hydrocarbon		7.6	M	21.243	ppb(v/v)

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Tait Environmental

Client Sample ID: GAC0001X_AV110107_0001

GC/MS Volatiles

Lot-Sample #...:	E7K010382-001	Work Order #...:	KADJT2AD	Matrix.....:	V
Date Sampled...:	11/01/07 11:30	Date Received..:	11/01/07 13:25	MS Run #.....:	
Prep Date.....:	11/06/07	Analysis Date..:	11/06/07		
Prep Batch #...:	7312564	Analysis Time..:	19:33		
Dilution Factor:	3.59				
Analyst ID.....:	117751	Instrument ID..:	MSA		
		Method.....:	EPA-2 TO-15		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TNMOC as Hexane	200	36	ppb(v/v)	3.6

Tait Environmental

Client Sample ID: GAC0001X_AV110107_0001

GC Volatiles

Lot-Sample #...:	E7K010382-001	Work Order #...:	KADJT1AC	Matrix.....:	V
Date Sampled...:	11/01/07 11:30	Date Received..:	11/01/07 13:25	MS Run #.....:	
Prep Date.....:	11/05/07	Analysis Date..:	11/05/07		
Prep Batch #...:	7309615	Analysis Time..:	09:45		
Dilution Factor:	1.78				
Analyst ID.....:	000022	Instrument ID..:	GC6		
		Method.....:	EPA-2 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	0.54 J	1.8	ppm(v/v)	0.53

NOTE(S):

J Estimated result. Result is less than RL.

Tait Environmental

Client Sample ID: GAC0001B_AV110107_0001

GC/MS Volatiles

Lot-Sample #...: E7K010382-002 **Work Order #...:** KADJV1AD **Matrix.....:** V
Date Sampled...: 11/01/07 12:00 **Date Received..:** 11/01/07 13:25 **MS Run #.....:**
Prep Date.....: 11/06/07 **Analysis Date..:** 11/06/07
Prep Batch #...: 7312564 **Analysis Time..:** 20:12
Dilution Factor: 1.8
Analyst ID.....: 117751 **Instrument ID..:** MSB
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl tert-butyl ether	ND	3.6	ppb(v/v)	1.8
TNMOC as Hexane	**850**	**18**	**ppb(v/v)**	**1.0**
Dichlorodifluoromethane	ND	3.6	ppb(v/v)	1.8
Chloromethane	ND	7.2	ppb(v/v)	1.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	ppb(v/v)	1.8
Vinyl chloride	ND	5.4	ppb(v/v)	2.7
Bromomethane	ND	7.2	ppb(v/v)	3.6
Chloroethane	ND	7.2	ppb(v/v)	2.7
Trichlorofluoromethane	**3.9**	**3.6**	**ppb(v/v)**	**1.8**
1,1-Dichloroethene	**130**	**3.6**	**ppb(v/v)**	**1.8**
Carbon disulfide	ND	18	ppb(v/v)	3.6
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.6	ppb(v/v)	1.8
Acetone	**37**	**18**	**ppb(v/v)**	**4.5**
Methylene chloride	ND	3.6	ppb(v/v)	1.4
trans-1,2-Dichloroethene	ND	3.6	ppb(v/v)	1.8
1,1-Dichloroethane	**5.9**	**3.6**	**ppb(v/v)**	**1.8**
Vinyl acetate	ND	18	ppb(v/v)	3.6
cis-1,2-Dichloroethene	**5.4**	**3.6**	**ppb(v/v)**	**1.4**
2-Butanone (MEK)	**190**	**18**	**ppb(v/v)**	**3.6**
Chloroform	**5.4**	**3.6**	**ppb(v/v)**	**1.8**
1,1,1-Trichloroethane	**290**	**3.6**	**ppb(v/v)**	**1.8**
Carbon tetrachloride	ND	3.6	ppb(v/v)	1.8
Benzene	ND	5.4	ppb(v/v)	2.7
1,2-Dichloroethane	ND	3.6	ppb(v/v)	1.8
Trichloroethene	**310**	**3.6**	**ppb(v/v)**	**1.8**
1,2-Dichloropropane	ND	5.4	ppb(v/v)	2.7
Bromodichloromethane	ND	3.6	ppb(v/v)	1.8
cis-1,3-Dichloropropene	ND	5.4	ppb(v/v)	2.7
4-Methyl-2-pentanone (MIBK)	ND	18	ppb(v/v)	3.6
Toluene	**59**	**3.6**	**ppb(v/v)**	**1.8**
trans-1,3-Dichloropropene	ND	3.6	ppb(v/v)	1.8
1,1,2-Trichloroethane	ND	3.6	ppb(v/v)	1.8
Tetrachloroethene	**19**	**3.6**	**ppb(v/v)**	**1.8**
2-Hexanone	ND	18	ppb(v/v)	3.6

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BOE-C6-0056202

Tait Environmental

Client Sample ID: GAC0001B_AV110107_0001

GC/MS Volatiles

Lot-Sample #...: E7K010382-002 **Work Order #...:** KADJV1AD **Matrix.....:** V

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dibromochloromethane	ND	3.6	ppb(v/v)	1.8
1,2-Dibromoethane (EDB)	ND	3.6	ppb(v/v)	1.8
Chlorobenzene	ND	3.6	ppb(v/v)	1.8
Ethylbenzene	ND	3.6	ppb(v/v)	1.8
Xylenes (total)	ND	7.2	ppb(v/v)	1.8
m-Xylene & p-Xylene	ND	7.2	ppb(v/v)	3.6
o-Xylene	ND	3.6	ppb(v/v)	1.8
Styrene	ND	3.6	ppb(v/v)	1.8
Bromoform	ND	3.6	ppb(v/v)	0.90
1,1,2,2-Tetrachloroethane	ND	3.6	ppb(v/v)	1.8
Benzyl chloride	ND	45	ppb(v/v)	14
4-Ethyltoluene	ND	3.6	ppb(v/v)	1.3
1,3,5-Trimethylbenzene	ND	5.4	ppb(v/v)	2.0
1,2,4-Trimethylbenzene	ND	5.4	ppb(v/v)	2.3
1,3-Dichlorobenzene	ND	3.6	ppb(v/v)	1.4
1,4-Dichlorobenzene	ND	11	ppb(v/v)	5.4
1,2-Dichlorobenzene	ND	3.6	ppb(v/v)	1.6
1,2,4-Trichloro-benzene	ND	9.0	ppb(v/v)	4.5
Hexachlorobutadiene	ND	7.2	ppb(v/v)	2.3
Naphthalene	ND	11	ppb(v/v)	5.4

BOE-C6-0056203

Tait Environmental

GAC0001B_AV110107_0001

GC/MS Volatiles

Lot-Sample #: E7K010382-002 **Work Order #:** KADJV1AD **Matrix:** V

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ppb(v/v)

BOE-C6-0056204

Tait Environmental

Client Sample ID: GAC0001B_AV110107_0001

GC Volatiles

Lot-Sample #...:	E7K010382-002	**Work Order #...:**	KADJV1AC	**Matrix.....:**	V
Date Sampled...:	11/01/07 12:00	**Date Received..:**	11/01/07 13:25	**MS Run #.....:**	
Prep Date.....:	11/05/07	**Analysis Date..:**	11/05/07		
Prep Batch #...:	7309615	**Analysis Time..:**	10:08		
Dilution Factor:	1.8				
Analyst ID.....:	000022	**Instrument ID..:**	GC6		
		Method.....:	EPA-2 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**0.60 J**	**1.8**	**ppm(v/v)**	**0.54**

NOTE(S):

J Estimated result. Result is less than RL.

Tait Environmental

Client Sample ID: GAC0001U_AV110107_0001

GC/MS Volatiles

Lot-Sample #...:	E7K010382-003	**Work Order #...:**	KADJW1AD	**Matrix.....:**	V
Date Sampled...:	11/01/07 12:30	**Date Received..:**	11/01/07 13:25	**MS Run #.....:**	
Prep Date.....:	11/06/07	**Analysis Date..:**	11/06/07		
Prep Batch #...:	7312564	**Analysis Time..:**	20:12		
Dilution Factor:	1.8				
Analyst ID.....:	117751	**Instrument ID..:**	MSB		
		Method.....:	EPA-2 TO-15		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl tert-butyl ether	ND	6.6	ppb(v/v)	3.3
TNMOC as Hexane	**810**	**33**	**ppb(v/v)**	**1.0**
Dichlorodifluoromethane	ND	6.6	ppb(v/v)	3.3
Chloromethane	ND	13	ppb(v/v)	3.3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	6.6	ppb(v/v)	3.3
Vinyl chloride	ND	9.9	ppb(v/v)	4.9
Bromomethane	ND	13	ppb(v/v)	6.6
Chloroethane	ND	13	ppb(v/v)	4.9
Trichlorofluoromethane	**6.0 J**	**6.6**	**ppb(v/v)**	**3.3**
1,1-Dichloroethene	**250**	**6.6**	**ppb(v/v)**	**3.3**
Carbon disulfide	ND	33	ppb(v/v)	6.6
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.6	ppb(v/v)	3.3
Acetone	ND	33	ppb(v/v)	8.2
Methylene chloride	**4.8 J,B**	**6.6**	**ppb(v/v)**	**2.6**
trans-1,2-Dichloroethene	ND	6.6	ppb(v/v)	3.3
1,1-Dichloroethane	**9.7**	**6.6**	**ppb(v/v)**	**3.3**
Vinyl acetate	ND	33	ppb(v/v)	6.6
cis-1,2-Dichloroethene	ND	6.6	ppb(v/v)	2.6
2-Butanone (MEK)	ND	33	ppb(v/v)	6.6
Chloroform	**5.7 J**	**6.6**	**ppb(v/v)**	**3.3**
1,1,1-Trichloroethane	**470**	**6.6**	**ppb(v/v)**	**3.3**
Carbon tetrachloride	ND	6.6	ppb(v/v)	3.3
Benzene	ND	9.9	ppb(v/v)	4.9
1,2-Dichloroethane	ND	6.6	ppb(v/v)	3.3
Trichloroethene	**250**	**6.6**	**ppb(v/v)**	**3.3**
1,2-Dichloropropane	ND	9.9	ppb(v/v)	4.9
Bromodichloromethane	ND	6.6	ppb(v/v)	3.3
cis-1,3-Dichloropropene	ND	9.9	ppb(v/v)	4.9
4-Methyl-2-pentanone (MIBK)	ND	33	ppb(v/v)	6.6
Toluene	ND	6.6	ppb(v/v)	3.3
trans-1,3-Dichloropropene	ND	6.6	ppb(v/v)	3.3
1,1,2-Trichloroethane	ND	6.6	ppb(v/v)	3.3
Tetrachloroethene	ND	6.6	ppb(v/v)	3.3
2-Hexanone	ND	33	ppb(v/v)	6.6

(Continued on next page)

Tait Environmental

Client Sample ID: GAC0001U_AV110107_0001

GC/MS Volatiles

Lot-Sample #...: E7K010382-003 **Work Order #...:** KADJW1AD **Matrix.....:** V

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dibromochloromethane	ND	6.6	ppb(v/v)	3.3
1,2-Dibromoethane (EDB)	ND	6.6	ppb(v/v)	3.3
Chlorobenzene	ND	6.6	ppb(v/v)	3.3
Ethylbenzene	ND	6.6	ppb(v/v)	3.3
Xylenes (total)	ND	13	ppb(v/v)	3.3
m-Xylene & p-Xylene	ND	13	ppb(v/v)	6.6
o-Xylene	ND	6.6	ppb(v/v)	3.3
Styrene	ND	6.6	ppb(v/v)	3.3
Bromoform	ND	6.6	ppb(v/v)	1.6
1,1,2,2-Tetrachloroethane	ND	6.6	ppb(v/v)	3.3
Benzyl chloride	ND	82	ppb(v/v)	26
4-Ethyltoluene	ND	6.6	ppb(v/v)	2.3
1,3,5-Trimethylbenzene	ND	9.9	ppb(v/v)	3.6
1,2,4-Trimethylbenzene	ND	9.9	ppb(v/v)	4.3
1,3-Dichlorobenzene	ND	6.6	ppb(v/v)	2.6
1,4-Dichlorobenzene	ND	20	ppb(v/v)	9.9
1,2-Dichlorobenzene	ND	6.6	ppb(v/v)	3.0
1,2,4-Trichloro-benzene	ND	16	ppb(v/v)	8.2
Hexachlorobutadiene	ND	13	ppb(v/v)	4.3
Naphthalene	ND	20	ppb(v/v)	9.9

NOTE(S):

J Estimated result. Result is less than RL.

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

BOE-C6-0056207

Tait Environmental

GAC0001U_AV110107_0001

GC/MS Volatiles

Lot-Sample #: E7K010382-003 **Work Order #:** KADJW1AD **Matrix:** V

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Cyclohexane, methyl-	108-87-2	9.3	M	10.749	ppb(v/v)
Cyclotrisiloxane, hexamethyl-	541-05-9	11	M	13.52	ppb(v/v)

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Tait Environmental

Client Sample ID: GAC0001U_AV110107_0001

GC Volatiles

Lot-Sample #...:	E7K010382-003	**Work Order #...:**	KADJW1AC	**Matrix.....:**	V
Date Sampled...:	11/01/07 12:30	**Date Received..:**	11/01/07 13:25	**MS Run #.....:**	
Prep Date.....:	11/05/07	**Analysis Date..:**	11/05/07		
Prep Batch #...:	7309615	**Analysis Time..:**	10:30		
Dilution Factor:	1.66				
Analyst ID.....:	000022	**Instrument ID..:**	GC6		
		Method.....:	EPA-2 TO-3		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	1.7	ppm(v/v)	0.50

STL

QA/QC

ST

QC DATA ASSOCIATION SUMMARY

E7K010382

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-2 TO-15		7312564	
	V	EPA-2 TO-15		7312567	
	V	EPA-2 TO-3		7309615	
002	V	EPA-2 TO-15		7312564	
	V	EPA-2 TO-3		7309615	
003	V	EPA-2 TO-15		7312564	
	V	EPA-2 TO-3		7309615	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E7K010382 **Work Order #...:** KAT5M1AA **Matrix.....:** AIR
MB Lot-Sample #: M7K080000-564

Prep Date.....: 11/06/07 **Analysis Time..:** 11:07
Analysis Date..: 11/06/07 **Prep Batch #...:** 7312564 **Instrument ID..:** MSA
Dilution Factor: 1

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl tert-butyl ether	ND	2.0	ppb(v/v)	EPA-2 TO-15
TNMOC as Hexane	ND	10	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chloromethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	3.0	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Carbon disulfide	ND	10	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Acetone	ND	10	ppb(v/v)	EPA-2 TO-15
Methylene chloride	**1.4 J**	**2.0**	**ppb(v/v)**	**EPA-2 TO-15**
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Vinyl acetate	ND	10	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	ND	10	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	2.0	ppb(v/v)	EPA-2 TO-15
Benzene	ND	3.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	3.0	ppb(v/v)	EPA-2 TO-15
Bromodichloromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	3.0	ppb(v/v)	EPA-2 TO-15
4-Methyl-2-pentanone (MIBK)	ND	10	ppb(v/v)	EPA-2 TO-15
Toluene	ND	2.0	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
2-Hexanone	ND	10	ppb(v/v)	EPA-2 TO-15
Dibromochloromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E7K010382 **Work Order #...:** KAT5M1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylbenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Xylenes (total)	ND	4.0	ppb(v/v)	EPA-2 TO-15
m-Xylene & p-Xylene	ND	4.0	ppb(v/v)	EPA-2 TO-15
o-Xylene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Styrene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Bromoform	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	25	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	3.0	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	3.0	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	6.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2,4-Trichloro-benzene	ND	5.0	ppb(v/v)	EPA-2 TO-15
Hexachlorobutadiene	ND	4.0	ppb(v/v)	EPA-2 TO-15
Naphthalene	ND	6.0	ppb(v/v)	EPA-2 TO-15

NOTE(S):

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

J Estimated result. Result is less than RL.

BOE-C6-0056213

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E7K010382 **Work Order #...:** KAT6R1AA **Matrix.....:** AIR
MB Lot-Sample #: M7K080000-567

Prep Date.....: 11/07/07 **Analysis Time..:** 10:19
Analysis Date..: 11/07/07 **Prep Batch #...:** 7312567 **Instrument ID..:** MSB
Dilution Factor: 1

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl tert-butyl ether	ND	2.0	ppb(v/v)	EPA-2 TO-15
Dichlorodifluoromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chloromethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	3.0	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	4.0	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Carbon disulfide	ND	10	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Acetone	ND	10	ppb(v/v)	EPA-2 TO-15
Methylene chloride	**1.4 J**	**2.0**	**ppb(v/v)**	**EPA-2 TO-15**
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Vinyl acetate	ND	10	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	ND	10	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	2.0	ppb(v/v)	EPA-2 TO-15
Benzene	ND	3.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	3.0	ppb(v/v)	EPA-2 TO-15
Bromodichloromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	3.0	ppb(v/v)	EPA-2 TO-15
4-Methyl-2-pentanone (MIBK)	ND	10	ppb(v/v)	EPA-2 TO-15
Toluene	ND	2.0	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-2 TO-15
2-Hexanone	ND	10	ppb(v/v)	EPA-2 TO-15
Dibromochloromethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	2.0	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15

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BOE-C6-0056214

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E7K010382 **Work Order #...:** KAT6R1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	4.0	ppb(v/v)	EPA-2 TO-15
m-Xylene & p-Xylene	ND	4.0	ppb(v/v)	EPA-2 TO-15
o-Xylene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Styrene	ND	2.0	ppb(v/v)	EPA-2 TO-15
Bromoform	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	2.0	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	25	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	3.0	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	3.0	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	6.0	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	2.0	ppb(v/v)	EPA-2 TO-15
1,2,4-Trichloro-benzene	ND	5.0	ppb(v/v)	EPA-2 TO-15
Hexachlorobutadiene	ND	4.0	ppb(v/v)	EPA-2 TO-15
Naphthalene	ND	6.0	ppb(v/v)	EPA-2 TO-15

NOTE(S):

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

J Estimated result. Result is less than RL.

BOE-C6-0056215

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E7K010382
MB Lot-Sample #: M7K050000-615

Analysis Date..: 11/05/07
Dilution Factor: 1

Work Order #...: KAKFC1AA

Prep Date.....: 11/05/07
Prep Batch #...: 7309615

Analyst ID.....: 000022

Matrix.....: AIR

Analysis Time..: 08:19
Instrument ID..: GC6

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Gasoline)	ND	1.0	ppm(v/v)	EPA-2 TO-3

NOTE(S):

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

BOE-C6-0056216

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E7K010382 Work Order #...: KAT5M1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M7K080000-564 KAT5M1AD-LCSD
Prep Date.....: 11/06/07 Analysis Date..: 11/06/07
Prep Batch #...: 7312564 Analysis Time..: 10:09
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Vinyl chloride	80	(70 - 130)			EPA-2 TO-15
	79	(70 - 130)	1.6	(0-25)	EPA-2 TO-15
Bromomethane	66 a	(70 - 130)			EPA-2 TO-15
	68 a	(70 - 130)	2.6	(0-25)	EPA-2 TO-15
Trichlorofluoromethane	74	(70 - 130)			EPA-2 TO-15
	72	(70 - 130)	2.3	(0-25)	EPA-2 TO-15
Carbon disulfide	78	(70 - 130)			EPA-2 TO-15
	78	(70 - 130)	0.87	(0-25)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	78	(70 - 130)			EPA-2 TO-15
	78	(70 - 130)	0.97	(0-25)	EPA-2 TO-15
Acetone	94	(70 - 130)			EPA-2 TO-15
	98	(70 - 130)	4.5	(0-25)	EPA-2 TO-15
trans-1,2-Dichloroethene	86	(70 - 130)			EPA-2 TO-15
	84	(70 - 130)	1.8	(0-25)	EPA-2 TO-15
Chloroform	84	(70 - 130)			EPA-2 TO-15
	83	(70 - 130)	2.2	(0-25)	EPA-2 TO-15
1,2-Dichloroethane	91	(70 - 130)			EPA-2 TO-15
	91	(70 - 130)	0.68	(0-25)	EPA-2 TO-15
Bromodichloromethane	89	(70 - 130)			EPA-2 TO-15
	85	(70 - 130)	3.9	(0-25)	EPA-2 TO-15
cis-1,3-Dichloropropene	88	(70 - 130)			EPA-2 TO-15
	87	(70 - 130)	1.4	(0-25)	EPA-2 TO-15
1,1,2-Trichloroethane	78	(70 - 130)			EPA-2 TO-15
	78	(70 - 130)	0.20	(0-25)	EPA-2 TO-15
Ethylbenzene	91	(70 - 130)			EPA-2 TO-15
	89	(70 - 130)	2.4	(0-25)	EPA-2 TO-15
Styrene	98	(70 - 130)			EPA-2 TO-15
	97	(70 - 130)	1.2	(0-25)	EPA-2 TO-15
4-Ethyltoluene	122	(70 - 130)			EPA-2 TO-15
	111	(70 - 130)	9.4	(0-25)	EPA-2 TO-15
1,3-Dichlorobenzene	104	(70 - 130)			EPA-2 TO-15
	100	(70 - 130)	4.0	(0-25)	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

BOE-C6-0056217

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E7K010382 Work Order #...: KAT5M1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M7K080000-564 KAT5M1AD-LCSD
Prep Date.....: 11/06/07 Analysis Date..: 11/06/07
Prep Batch #...: 7312564 Analysis Time..: 10:09
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Vinyl chloride	50.0	40.2	ppb(v/v)	80		EPA-2 TO-15
	50.0	39.6	ppb(v/v)	79	1.6	EPA-2 TO-15
Bromomethane	50.0	33.0 a	ppb(v/v)	66		EPA-2 TO-15
	50.0	33.9 a	ppb(v/v)	68	2.6	EPA-2 TO-15
Trichlorofluoromethane	50.0	36.8	ppb(v/v)	74		EPA-2 TO-15
	50.0	36.0	ppb(v/v)	72	2.3	EPA-2 TO-15
Carbon disulfide	50.0	39.2	ppb(v/v)	78		EPA-2 TO-15
	50.0	38.9	ppb(v/v)	78	0.87	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	39.2	ppb(v/v)	78		EPA-2 TO-15
	50.0	38.9	ppb(v/v)	78	0.97	EPA-2 TO-15
Acetone	50.0	47.0	ppb(v/v)	94		EPA-2 TO-15
	50.0	49.2	ppb(v/v)	98	4.5	EPA-2 TO-15
trans-1,2-Dichloroethene	50.0	43.0	ppb(v/v)	86		EPA-2 TO-15
	50.0	42.2	ppb(v/v)	84	1.8	EPA-2 TO-15
Chloroform	50.0	42.2	ppb(v/v)	84		EPA-2 TO-15
	50.0	41.3	ppb(v/v)	83	2.2	EPA-2 TO-15
1,2-Dichloroethane	50.0	45.6	ppb(v/v)	91		EPA-2 TO-15
	50.0	45.3	ppb(v/v)	91	0.68	EPA-2 TO-15
Bromodichloromethane	50.0	44.4	ppb(v/v)	89		EPA-2 TO-15
	50.0	42.7	ppb(v/v)	85	3.9	EPA-2 TO-15
cis-1,3-Dichloropropene	50.0	44.0	ppb(v/v)	88		EPA-2 TO-15
	50.0	43.4	ppb(v/v)	87	1.4	EPA-2 TO-15
1,1,2-Trichloroethane	50.0	39.1	ppb(v/v)	78		EPA-2 TO-15
	50.0	39.0	ppb(v/v)	78	0.20	EPA-2 TO-15
Ethylbenzene	50.0	45.5	ppb(v/v)	91		EPA-2 TO-15
	50.0	44.5	ppb(v/v)	89	2.4	EPA-2 TO-15
Styrene	50.0	49.0	ppb(v/v)	98		EPA-2 TO-15
	50.0	48.4	ppb(v/v)	97	1.2	EPA-2 TO-15
4-Ethyltoluene	50.0	60.8	ppb(v/v)	122		EPA-2 TO-15
	50.0	55.4	ppb(v/v)	111	9.4	EPA-2 TO-15
1,3-Dichlorobenzene	50.0	52.0	ppb(v/v)	104		EPA-2 TO-15
	50.0	50.0	ppb(v/v)	100	4.0	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E7K010382 Work Order #...: KAT6R1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M7K080000-567 KAT6R1AD-LCSD
Prep Date.....: 11/07/07 Analysis Date..: 11/07/07
Prep Batch #...: 7312567 Analysis Time..: 09:01
Dilution Factor: 1 Instrument ID..: MSB
Analyst ID.....: 117751

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Vinyl chloride	82	(70 - 130)			EPA-2 TO-15
	80	(70 - 130)	2.0	(0-25)	EPA-2 TO-15
Bromomethane	74	(70 - 130)			EPA-2 TO-15
	74	(70 - 130)	0.72	(0-25)	EPA-2 TO-15
Trichlorofluoromethane	74	(70 - 130)			EPA-2 TO-15
	74	(70 - 130)	0.29	(0-25)	EPA-2 TO-15
Carbon disulfide	80	(70 - 130)			EPA-2 TO-15
	79	(70 - 130)	2.1	(0-25)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	80	(70 - 130)			EPA-2 TO-15
	79	(70 - 130)	1.1	(0-25)	EPA-2 TO-15
Acetone	98	(70 - 130)			EPA-2 TO-15
	84	(70 - 130)	16	(0-25)	EPA-2 TO-15
trans-1,2-Dichloroethene	85	(70 - 130)			EPA-2 TO-15
	84	(70 - 130)	1.2	(0-25)	EPA-2 TO-15
Chloroform	82	(70 - 130)			EPA-2 TO-15
	82	(70 - 130)	0.22	(0-25)	EPA-2 TO-15
1,2-Dichloroethane	90	(70 - 130)			EPA-2 TO-15
	87	(70 - 130)	3.4	(0-25)	EPA-2 TO-15
Bromodichloromethane	86	(70 - 130)			EPA-2 TO-15
	86	(70 - 130)	0.32	(0-25)	EPA-2 TO-15
cis-1,3-Dichloropropene	86	(70 - 130)			EPA-2 TO-15
	85	(70 - 130)	1.9	(0-25)	EPA-2 TO-15
1,1,2-Trichloroethane	79	(70 - 130)			EPA-2 TO-15
	77	(70 - 130)	1.8	(0-25)	EPA-2 TO-15
Ethylbenzene	89	(70 - 130)			EPA-2 TO-15
	89	(70 - 130)	0.60	(0-25)	EPA-2 TO-15
Styrene	96	(70 - 130)			EPA-2 TO-15
	94	(70 - 130)	2.2	(0-25)	EPA-2 TO-15
4-Ethyltoluene	114	(70 - 130)			EPA-2 TO-15
	115	(70 - 130)	0.34	(0-25)	EPA-2 TO-15
1,3-Dichlorobenzene	103	(70 - 130)			EPA-2 TO-15
	100	(70 - 130)	2.5	(0-25)	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

BOE-C6-0056219

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E7K010382 Work Order #...: KAT6R1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M7K080000-567 KAT6R1AD-LCSD
Prep Date.....: 11/07/07 Analysis Date..: 11/07/07
Prep Batch #...: 7312567 Analysis Time..: 09:01
Dilution Factor: 1 Instrument ID..: MSB
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Vinyl chloride	50.0	41.0	ppb(v/v)	82		EPA-2 TO-15
	50.0	40.2	ppb(v/v)	80	2.0	EPA-2 TO-15
Bromomethane	50.0	37.2	ppb(v/v)	74		EPA-2 TO-15
	50.0	36.9	ppb(v/v)	74	0.72	EPA-2 TO-15
Trichlorofluoromethane	50.0	37.0	ppb(v/v)	74		EPA-2 TO-15
	50.0	36.9	ppb(v/v)	74	0.29	EPA-2 TO-15
Carbon disulfide	50.0	40.1	ppb(v/v)	80		EPA-2 TO-15
	50.0	39.3	ppb(v/v)	79	2.1	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	39.8	ppb(v/v)	80		EPA-2 TO-15
	50.0	39.4	ppb(v/v)	79	1.1	EPA-2 TO-15
Acetone	50.0	49.0	ppb(v/v)	98		EPA-2 TO-15
	50.0	41.9	ppb(v/v)	84	16	EPA-2 TO-15
trans-1,2-Dichloroethene	50.0	42.7	ppb(v/v)	85		EPA-2 TO-15
	50.0	42.2	ppb(v/v)	84	1.2	EPA-2 TO-15
Chloroform	50.0	41.0	ppb(v/v)	82		EPA-2 TO-15
	50.0	41.0	ppb(v/v)	82	0.22	EPA-2 TO-15
1,2-Dichloroethane	50.0	44.9	ppb(v/v)	90		EPA-2 TO-15
	50.0	43.4	ppb(v/v)	87	3.4	EPA-2 TO-15
Bromodichloromethane	50.0	43.0	ppb(v/v)	86		EPA-2 TO-15
	50.0	42.9	ppb(v/v)	86	0.32	EPA-2 TO-15
cis-1,3-Dichloropropene	50.0	43.2	ppb(v/v)	86		EPA-2 TO-15
	50.0	42.4	ppb(v/v)	85	1.9	EPA-2 TO-15
1,1,2-Trichloroethane	50.0	39.3	ppb(v/v)	79		EPA-2 TO-15
	50.0	38.6	ppb(v/v)	77	1.8	EPA-2 TO-15
Ethylbenzene	50.0	44.6	ppb(v/v)	89		EPA-2 TO-15
	50.0	44.4	ppb(v/v)	89	0.60	EPA-2 TO-15
Styrene	50.0	48.2	ppb(v/v)	96		EPA-2 TO-15
	50.0	47.2	ppb(v/v)	94	2.2	EPA-2 TO-15
4-Ethyltoluene	50.0	57.2	ppb(v/v)	114		EPA-2 TO-15
	50.0	57.4	ppb(v/v)	115	0.34	EPA-2 TO-15
1,3-Dichlorobenzene	50.0	51.5	ppb(v/v)	103		EPA-2 TO-15
	50.0	50.2	ppb(v/v)	100	2.5	EPA-2 TO-15

NOTE(S):

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

Bold print denotes control parameters

BOE-C6-0056220

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E7K010382 **Work Order #...:** KAKFC1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M7K050000-615 KAKFC1AD-LCSD
Prep Date.....: 11/05/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7309615 **Analysis Time..:** 06:33
Dilution Factor: 1 **Instrument ID..:** GC6
Analyst ID.....: 000022

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**93**	**(80 - 125)**			**EPA-2 TO-3**
	111	**(80 - 125)**	**17**	**(0-20)**	**EPA-2 TO-3**

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E7K010382	**Work Order #...:**	KAKFC1AC-LCS	**Matrix.....:**	AIR
LCS Lot-Sample#:	M7K050000-615		KAKFC1AD-LCSD		
Prep Date.....:	11/05/07	**Analysis Date..:**	11/05/07		
Prep Batch #...:	7309615	**Analysis Time..:**	06:33		
Dilution Factor:	1	**Instrument ID..:**	GC6		
Analyst ID.....:	000022				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**30.0**	**28.0**	**ppm(v/v)**	**93**		**EPA-2 TO-3**
	30.0	**33.4**	**ppm(v/v)**	**111**	**17**	**EPA-2 TO-3**

NOTE(S):

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

Bold print denotes control parameters