TEETER Environmental Services, Inc.

FORMER PAINTED POST CAR MART
124 Victory Highway
Painted Post, New York 14870

UST REMOVAL AND EXCAVATION SAMPLING
NYSDEC Spill #0470187

October 27, 2006

RR#1 Box 124B · North Macfee Road · Sayre, PA 18840
Phone: 570.247.7693 · Fax: 570.247.7083

TEETER Environmental Services, Inc.

RR #1 Box 124B · North Macfee Road
Sayre, PA 18840
Phone (570) 247-7693
Fax (570) 247-7083

October 27, 2006

Mr. Prosper D'Aiuto
T & K Realty LLC
P.O. Box 119
Manlius, New York 13104

Re: UST Removal and Excavation Sampling
Former Painted Post Car Mart
124 Victory Highway
Painted Post, New York 14870
NYSDEC Spill #0470187

Dear Mr. D'Aiuto:

A 1,000-gallon underground storage tank (UST) was discovered on September 7, 2006 by Keuka Construction Corp. while installing a sewer lateral at the site referenced above. It was observed that a small diameter PVC monitoring well installed during a Phase II Environmental Site Assessment completed by Teeter Environmental Services, Inc. in February 2006 was protruding from the tank. David Teeter was contacted by the project manager to observe the tank and to recommend the proper course of action regarding removal and disposal of the tank and adherence to any environmental compliance issues. The following report summarizes the actions taken. Refer to Appendix A for a site map, Appendix B for photodocumentation, and Appendix C for the laboratory report of the excavation groundwater sample.

I. Background

Teeter Environmental was contracted to perform a Phase II ESA based on items of concern identified during a Phase I ESA completed by Bates Consulting, Inc., Elmira, New York. Soil borings were completed on February 20, 2006 as part of the Phase II ESA with groundwater samples obtained from temporary 1-inch diameter PVC wells installed in three (3) of the borings. One boring, B5, was located near a suspected UST adjacent to the east side of the sole on-site building. It was presumed a UST may be present based on steel pipes protruding through the wall and cut off above grade. Depth to groundwater was approximately five (5) feet below ground surface (bgs) and the well was installed to a depth of about ten (10) feet bgs. The groundwater sample from the well indicated the presence of several halogenated and non-halogenated volatile hydrocarbons commonly found in cleaning solvents and gasoline, respectively, at concentrations significantly exceeding regulatory groundwater standards. No soil samples exhibited evidence of impact based on field screening with an organic vapor meter.

Based on the groundwater analytical results, a supplemental Phase II ESA was performed on March 17, 2006 to attempt to delineate the magnitude and extent of groundwater contamination hydraulically crossgradient and downgradient of B5. Five borings were advanced with groundwater samples from each exhibiting no concentrations of target contaminants above the analytical reporting limit. It was assumed the contamination revealed during the initial Phase II ESA was localized.

Remedial action was performed at the site on June 19, 2006 which entailed excavation of impacted surface soil and dry well sediment at points identified during the initial Phase II ESA. In addition, soils were excavated using a backhoe in the vicinity of boring B5 and the suspected UST location in the attempt to remove any impacted soil causing the localized groundwater contamination and/or to reveal the presence of a UST. Mr. Chad Kehoe of the New York Department of Environmental Conservation (NYSDEC) was on-site to observe the activities. A test pit was excavated in and around boring B5 until groundwater water was encountered, approximately six (6) feet bgs on that date. Soils were periodically screened for volatile organic compounds (VOC's) using a calibrated ThermoEnviromental Model 580B organic vapor meter (OVM). No UST was found and since no VOC's were detected suggesting non-impacted soil, NYSDEC approved backfilling of the excavation with the removed material. An additional test pit was located adjacent to It was determined at the time that the localized impact may have occurred from a release of contaminated fluids through a nearby cleanout because of insufficient gravity through an improperly installed or shifted effluent line. At the time, NYSDEC did not require additional action.

Refer to the Phase II Environmental Assessment report prepared by Teeter Environmental dated March 13, 2006, the Supplemental Phase II Environmental Assessment report prepared by Teeter Environmental dated March 27, 2006, and the Soil and Sediment Excavation report prepared by Teeter Environmental dated August 13, 2006 for additional information. Refer to the site map in Appendix A for boring, test pit, and remediation locations.

II. UST Removal and Excavation Sampling

On September 7, 2006, a 1,000-gallon UST was discovered by Keuka Construction while installing a sewer lateral. The UST was exposed at the location of boring B5 with the temporary monitoring well protruding from the top. Teeter Environmental was contacted by Mr. Doug Gross of Keuka Construction to observe the tank and recommend appropriate action. Keuka Construction removed the tank using an excavator under supervision of David Teeter of Teeter Environmental. It was observed that the top of the tank was approximately 1½ feet below the groundwater surface. Since it is unusual for a UST to be installed entirely within the saturated zone, it went undetected during excavation of the test pit by Teeter Environmental in June 2006. It was revealed upon removal of the tank that the top was penetrated by the drive point of drill rig used to sample soil and install the monitoring well during the initial Phase II ESA. The boring was terminated at eight (8) feet below ground surface, therefore, the bottom of the tank, which was four (4) feet in diameter, was not penetrated. The screened interval of the monitoring well was installed in the groundwater zone with a significant length of the screen located within the tank.

Some residual product from the UST was release into the excavation during removal. Sorbent pads were placed on the water surface to absorb the product. On September 8, 2006, Teeter Environmental removed the pads and disposed of them in an on-site roll-off container. A sample of the excavation water was obtained for analysis for volatile aromatic and aliphatic hydrocarbons similar to groundwater samples submitted from the Phase II ESA's.

Refer to Appendix A for a site map with the approximate excavation location and Appendix B for photodocumentation of the excavation area, UST with protruding monitoring well, and cleanup of residual product.

Per Timothy Schneider, P.E. of NYSDEC Region 8, the site was preliminarily classified as a hazardous waste site due to the presence of halogenated hydrocarbons in the sample taken from B5 during the initial Phase II ESA. It was required that the sample be analyzed for volatile hydrocarbons by EPA Method 8260B with NYSDEC mandated quality assurance/quality control (QA/QC) procedures for hazardous waste sites followed for the sampling and analytical processes. Water was sampled from the bottom of the excavation per Chad Kehoe of NYSDEC, contained in 40-milliliter vials preserved with hydrochloric acid, and transported to Buck Environmental Laboratories, Inc. (BEL), Cortland, New York (NYSDOH ELAP #10795) under chain-of-custody protocol. Samples from other vials was designated by BEL as Sample Delivery Group (SDG) BEL0633. The results are summarized in Table 1 below.

Table 1

Laboratory Analytical Summary – Excavation
Volatile Hydrocarbons in Groundwater
by EPA Method 8260B (µg/l) (previously detected compounds only)

February 20, 2006

Compound	Concentration	NYSDEC Standard
Halogenated Hydrocarbons (solvents)		
1,2-Dichlorobenzene	**50**	~~5~~ → 3
1,3-Dichlorobenzene	ND<10	~~5~~ → 3
1,4-Dichlorobenzene	3 (J)	~~5~~ → 3
1,1-Dichloroethane	ND<10	5
cis-1,2-Dichloroethene	4 (J)	5
Methylene Chloride	ND<10	5
Trichloroethene	ND<10	5
Non-Halogenated Hydrocarbons (petroleum)		
Benzene	ND<10	1
Ethylbenzene	ND<10	5
Naphthalene*	ND<10	10
Toluene	2	5
1,2,4-Trimethylbenzene	ND<10	5
Xylenes (total)	ND<10	5

µg/l – micrograms per liter
* Naphthalene is a semi-volatile analyzed under the method
(cont'd below ↓)

Bold value exceeds the standard
(J) estimated value below reporting limit

Note: Compounds included in the table are those detected in the initial Phase II ESA. No other compounds were detected. Refer to the laboratory report for full target compound list.

As indicated in Table 1, 1,2-dichlorobenzene was detected at a concentration exceeding the regulatory groundwater standard. No other target compounds exceeded the applicable standards. It should be noted that concentrations of the non-detected compounds may have fallen between the NYSDEC standard and the practical quantitation limit of 10 µg/l, however, no estimated concentrations (J values) were assigned indicating that the compounds were not detected at reportable limits.

The complete laboratory report is included as Appendix C. The Category B Deliverables Package SDG BEL0633 includes all documentation required by NYSDEC for hazardous waste sites including QC summary, raw sample data, standards data, and QC data. In summary, it is a detailed account of the entire sampling and analytical process as opposed to presentation of analytical results only.

III. UST Disposal

Residual product content of the UST was minimal and was collected using sorbent pads. The tank was at that point clean of product and sediment and the pads were disposed of in an on-site roll-off container. The UST was transported by Teeter Environmental to Upstate Machinery in Tioga Center, New York, a scrap metal processor, for recycling.

IV. Interpretation and Recommendation

The temporary well in boring B5 was partially installed in an abandoned UST. The bottom of the tank was not penetrated. The water sample obtained from the initial Phase II ESA was highly biased based on the residual product in the tank. It is clear from analytical results of the groundwater sample taken from the excavation and the lack of hydrocarbons in any other sample downgradient of the excavation that mass contamination does not exist. The low levels of hydrocarbons detected in the excavation sample are most likely due to the small amount of residual product released from the UST during removal. The product was removed using sorbent pads and the detected hydrocarbons, only one of which exceeded groundwater standards, will most likely naturally attenuate to non-detectable or near non-detectable concentrations over time.

Since the UST representing a potential source of future sustained groundwater contamination has been removed and localized areas of impacted soil and sediment were previously excavated and disposed of, is the opinion of Teeter Environmental that no further subsurface investigation or remedial action is necessary. It is recommended that a request be submitted to NYSDEC to close the spill file.

If you have any any questions or require additional information, please contact me at your convenience.

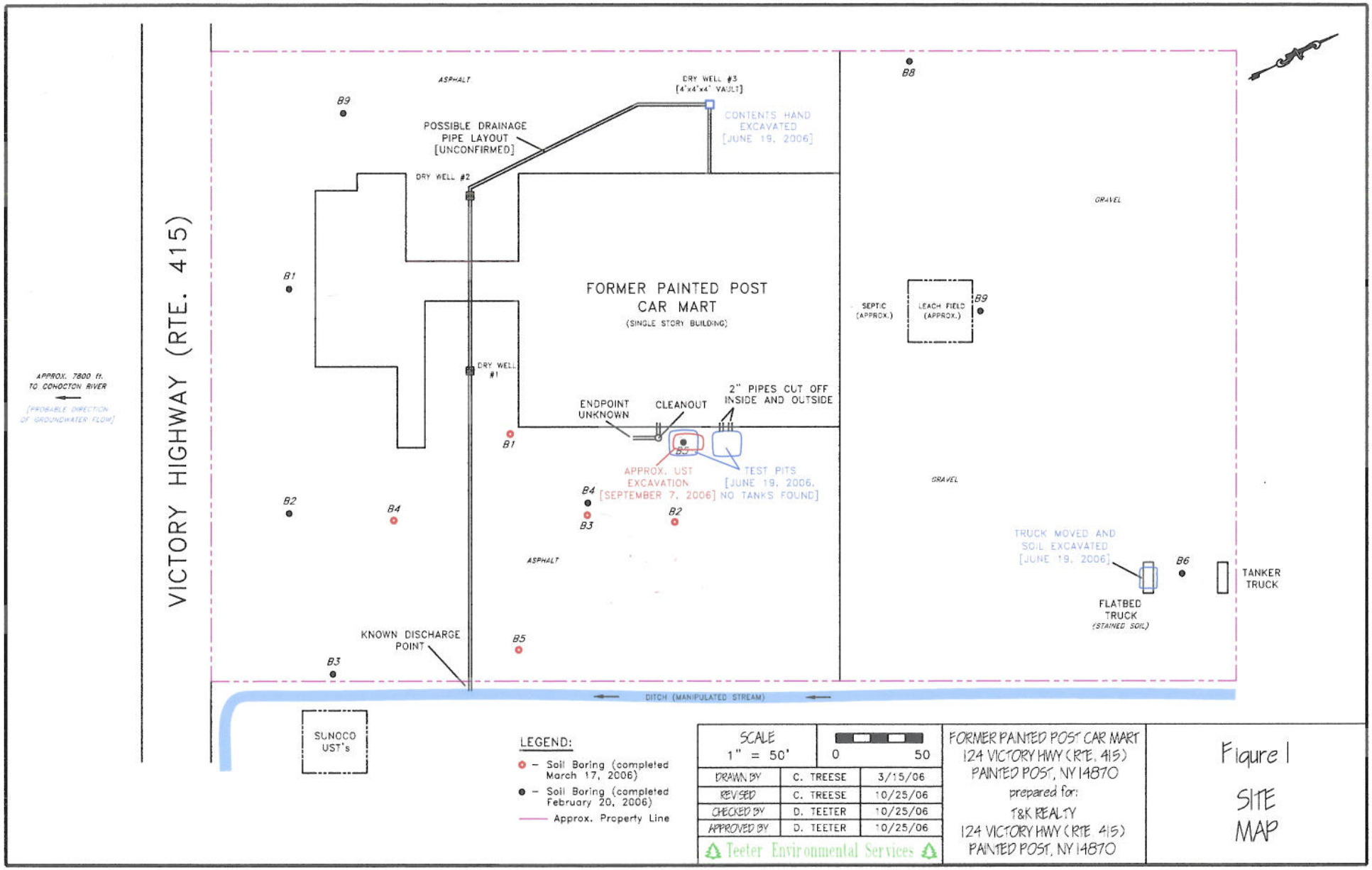
Sincerely,
Teeter Environmental Services, Inc.

David J. Teeter
President

Att: Appendices A-C

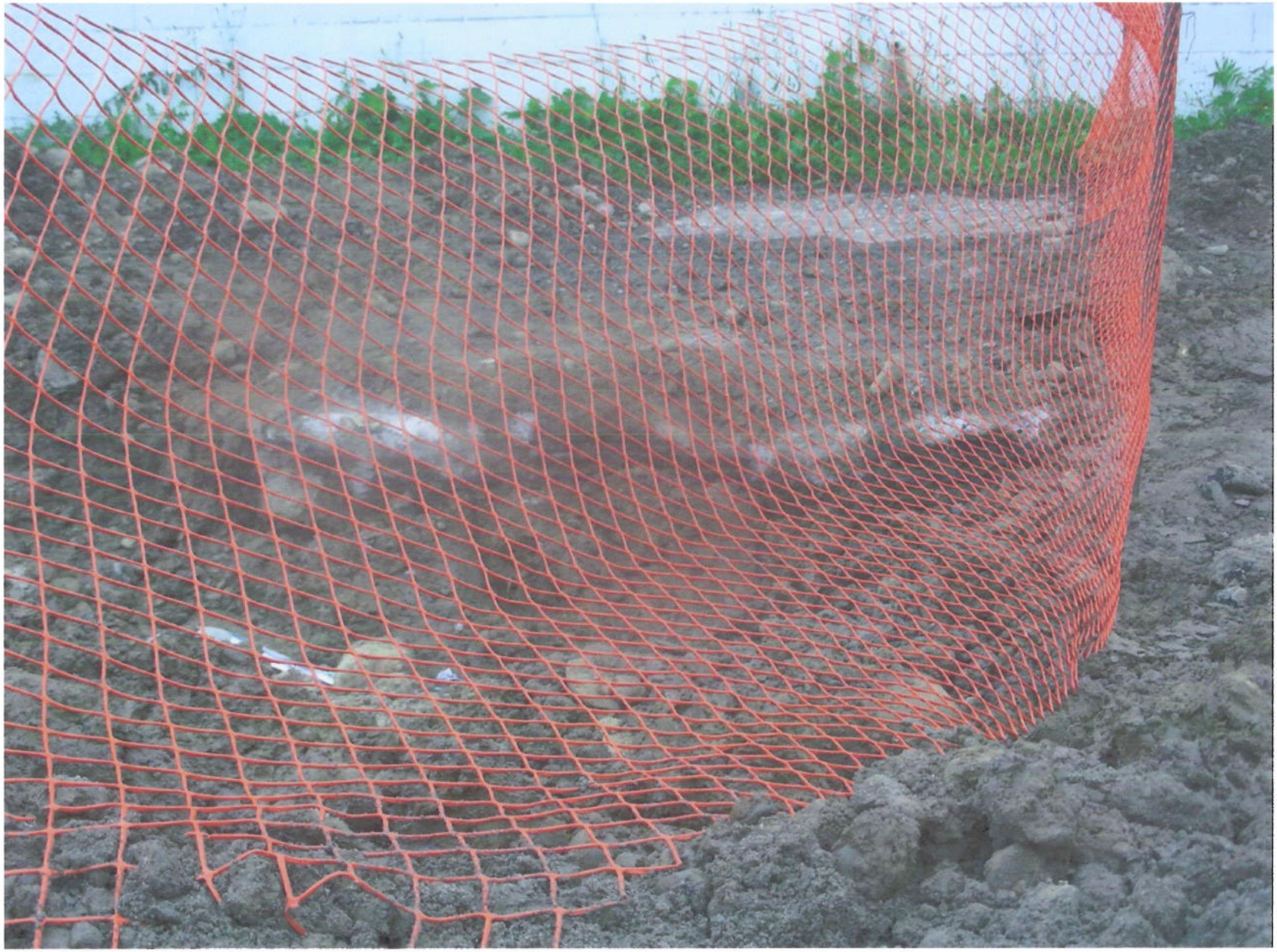
APPENDIX A

Site Map


VICTORY HIGHWAY (RTE. 415)
APPROX. 7800 ft. TO CONOCTON RIVER
[PROBABLE DIRECTION OF GROUNDWATER FLOW]
ASPHALT
DRY WELL #3 [4'x4'x4' VAULT]
CONTENTS HAND EXCAVATED [JUNE 19, 2006]
POSSIBLE DRAINAGE PIPE LAYOUT [UNCONFIRMED]
DRY WELL #2
FORMER PAINTED POST CAR MART
(SINGLE STORY BUILDING)
DRY WELL #1
ENDPOINT UNKNOWN
CLEANOUT
2" PIPES CUT OFF INSIDE AND OUTSIDE
APPROX. UST EXCAVATION [SEPTEMBER 7, 2006]
TEST PITS [JUNE 19, 2006, NO TANKS FOUND]
B1
B2
B3
B4
B5
B6
B8
B9
GRAVEL
SEPTIC (APPROX.)
LEACH FIELD (APPROX.)
TRUCK MOVED AND SOIL EXCAVATED [JUNE 19, 2006]
TANKER TRUCK
FLATBED TRUCK (STAINED SOIL)
KNOWN DISCHARGE POINT
DITCH (MANIPULATED STREAM)
SUNOCO UST's
LEGEND:
– Soil Boring (completed March 17, 2006)
– Soil Boring (completed February 20, 2006)
Approx. Property Line
SCALE 1" = 50'
0 50
DRAWN BY C. TREESE 3/15/06
REVISED C. TREESE 10/25/06
CHECKED BY D. TEETER 10/25/06
APPROVED BY D. TEETER 10/25/06
Teeter Environmental Services
FORMER PAINTED POST CAR MART
124 VICTORY HWY (RTE. 415)
PAINTED POST, NY 14870
prepared for:
T&K REALTY
124 VICTORY HWY (RTE 415)
PAINTED POST, NY 14870
Figure 1
SITE MAP

APPENDIX B

Photodocumentation



UST Excavation

Former Painted Post Car Mart
124 Victory Highway (Rte. 415)
Painted Post, New York 14870

October 25, 2006

#1: UST excavation

UST Excavation

Former Painted Post Car Mart
124 Victory Highway (Rte. 415)
Painted Post, New York 14870

October 25, 2006

#2: UST with protruding well

Teeter Environmental Services

UST Excavation

Former Painted Post Car Mart
124 Victory Highway (Rte. 415)
Painted Post, New York 14870

October 25, 2006

#3: UST with protruding well

UST Excavation

Former Painted Post Car Mart
124 Victory Highway (Rte. 415)
Painted Post, New York 14870

October 25, 2006

#4: Sorbent pads on residual spill

UST Excavation

Former Painted Post Car Mart
124 Victory Highway (Rte. 415)
Painted Post, New York 14870

October 25, 2006

#5: Post-surface spill cleanup

Teeter Enviro

APPENDIX C

Laboratory Report

Summary Data Package

SDG BEL0633

prepared for:

Teeter Environmental Services, Inc.
RR 1, Box 124B
Sayre, PA 18840

by:

Buck Environmental Laboratories, Inc.
3821 Buck Drive
Cortland, NY 13045

October 9, 2006

1/2/08

LAB ID
10795
MADE BAC N.Y. - CERTLAND
607-753-3403
NON POTABLE WATER

SDG NARRATIVE October 9, 2006

This laboratory narrative applies to one water sample and associated quality control samples from Teeter Environmental Services, Inc. David Teeter took the samples on 09/08/06. The samples were submitted to Buck Environmental Laboratories Inc. (BEL) later that day. This data package reports the analytical work performed on the samples received. The samples received carried the identifications as listed in the table below. The laboratory assigned identification numbers for the samples are also shown.

The samples listed below were sampled 09/08/06 (VTSR 09/08/06), assigned the sample delivery group number **BEL0633** and were analyzed as follows:

SAMPLE ID	BEL ID NUMBER	VOLATILES by 8260
Bottom of excavation, (Tank Pit)	0609055-01	X
Bottom of excavation, MS	0609055-02	X
Bottom of excavation, MSD	0609055-03	X
Trip Blank	0609055-04	X

The samples received on 09/08/06 were assigned lab log number 0609055. The sampler conveyed the sample containers to the Binghamton office location at 14:40 PM. Although samples were received in a cooler on ice, the temperature at receipt was 17.5°C, exceeding the regulatory guidelines (4°C degrees ±2°C). All containers were intact. A storage blank was added to the refrigerator with the stored vials and analyzed as a quality control measure.

Comments on the review of analytical quality control for SDG BEL0633 follow.

SDG BEL0633

GC/MS Volatiles

Holding Time:	Met holding time criteria.
Calibration:	Calibrations met acceptance criteria.
Method Blank:	There is one method blank associated with the package. All compounds were non-detect.
Internal Standards:	Met acceptance criteria.
Matrix Spike/Duplicate:	Met acceptance criteria.
Blank Spike:	All compounds met acceptance criteria.
Surrogate Recoveries:	Met acceptance criteria.

SAMPLE ID	BEL SAMPLE ID	pH
Bottom of excavation, (Tank Pit)	0609055-01	~1
Bottom of excavation, MS	0609055-02	~1
Bottom of excavation, MSD	0609055-03	~1
Trip Blank	0609055-04	~1
Storage Blank	0609055-05	~1

The volatile analysis was completed on a GC/MS equipped with a J & W DB-624 20 m-.18 mm ID column and using a Supelco VOCARB 3000 trap.

Please call Barbara Houskamp, QA Manager, at BEL if you have any questions or need any further information regarding this submittal.

I certify that to the best of my knowledge and belief, this data package is in compliance with the terms and conditions of the Analytical Services Protocol, both technically and for completeness, other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

John H. Buck, P.E.
Laboratory Director

10/10/06
Date

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY
Contract Lab Sample Information Sheet (CLSIS)

		Analytical Requirements					
Customer Sample Code	Laboratory Sample Code	VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	Pesticide PCB's Method	Metals	Other
TANK PIT BOTTOM OF EXCAVATION	0609055-01	EPA 8260B	N/A	N/A	N/A	N/A	N/A
TANK PIT-MS BOTTOM OF EXCAVATION	0609055-02	EPA 8260B	N/A	N/A	N/A	N/A	N/A
TANK PIT-MSD BOTTOM OF EXCAVATION	0609055-03	EPA 8260B	N/A	N/A	N/A	N/A	N/A
TRIP BLANK	0609055-04	EPA 8260B	N/A	N/A	N/A	N/A	N/A

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY
GC/MS VOLATILE (VOA) ANALYSIS
Contract Lab Sample Information Sheet (CLSIS)
High Level Concentration

Laboratory Sample Code	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
0609055-01	WATER	09/08/06	09/08/06	NA	09/11/06
0609055-02	WATER	09/08/06	09/08/06	NA	09/12/06
0609055-03	WATER	09/08/06	09/08/06	NA	09/12/06
0609055-04	WATER	09/08/06	09/08/06	NA	09/11/06

Category B Deliverables Package

SDG BEL0633

prepared for:

Teeter Environmental Services, Inc.
RR 1, Box 124B
Sayre, PA 18840

by:

Buck Environmental Laboratories, Inc.
3821 Buck Drive
Cortland, NY 13045

October 9, 2006

SDG NARRATIVE October 9, 2006

This laboratory narrative applies to one water sample and associated quality control samples from Teeter Environmental Services, Inc. David Teeter took the samples on 09/08/06. The samples were submitted to Buck Environmental Laboratories Inc. (BEL) later that day. This data package reports the analytical work performed on the samples received. The samples received carried the identifications as listed in the table below. The laboratory assigned identification numbers for the samples are also shown.

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SAMPLE ID	BEL ID NUMBER	VOLATILES by 8260
Bottom of excavation, (Tank Pit)	0609055-01	X
Bottom of excavation, MS	0609055-02	X
Bottom of excavation, MSD	0609055-03	X
Trip Blank	0609055-04	X

The samples received on 09/08/06 were assigned lab log number 0609055. The sampler conveyed the sample containers to the Binghamton office location at 14:40 PM. Although samples were received in a cooler on ice, the temperature at receipt was 17.5°C, exceeding the regulatory guidelines (4°C degrees ±2°C). All containers were intact. A storage blank was added to the refrigerator with the stored vials and analyzed as a quality control measure.

36-40°F required

63.5°F delivered

Comments on the review of analytical quality control for SDG BEL0633 follow.

SDG BEL0633

GC/MS Volatiles

Holding Time:	Met holding time criteria.
Calibration:	Calibrations met acceptance criteria.
Method Blank:	There is one method blank associated with the package. All compounds were non-detect.
Internal Standards:	Met acceptance criteria.
Matrix Spike/Duplicate:	Met acceptance criteria.
Blank Spike:	All compounds met acceptance criteria.
Surrogate Recoveries:	Met acceptance criteria.

SAMPLE ID	BEL SAMPLE ID	pH
Bottom of excavation, (Tank Pit)	0609055-01	~1
Bottom of excavation, MS	0609055-02	~1
Bottom of excavation, MSD	0609055-03	~1
Trip Blank	0609055-04	~1
Storage Blank	0609055-05	~1

The volatile analysis was completed on a GC/MS equipped with a J & W DB-624 20 m-.18 mm ID column and using a Supelco VOCARB 3000 trap.

Please call Barbara Houskamp, QA Manager, at BEL if you have any questions or need any further information regarding this submittal.

I certify that to the best of my knowledge and belief, this data package is in compliance with the terms and conditions of the Analytical Services Protocol, both technically and for completeness, other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

John H. Buck, P.E.
Laboratory Director

10/10/06
Date

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY
Contract Lab Sample Information Sheet (CLSIS)

		Analytical Requirements					
Customer Sample Code	Laboratory Sample Code	VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	Pesticide PCB's Method	Metals	Other
TANK PIT BOTTOM OF EXCAVATION	0609055-01	EPA 8260B	N/A	N/A	N/A	N/A	N/A
TANK PIT-MS BOTTOM OF EXCAVATION	0609055-02	EPA 8260B	N/A	N/A	N/A	N/A	N/A
TANK PIT-MSD BOTTOM OF EXCAVATION	0609055-03	EPA 8260B	N/A	N/A	N/A	N/A	N/A
TRIP BLANK	0609055-04	EPA 8260B	N/A	N/A	N/A	N/A	N/A

BK-179

LABORATORY LOG NO. 0609055

SDG BEL0633

BUCK
ENVIRONMENTAL LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

NOTE: The information on this form was supplied by the client and authorizes the Laboratory to proceed with analysis according to the Standard Terms and Conditions of Buck Environmental Laboratories, Inc. provided on the reverse side of this chain-of-custody. The client authorization signature acknowledges that the terms are acceptable and agreed to by the client.

CLIENT: Tooter Environmental Services Inc
MAILING ADDRESS: R.R#1 Box 1248, Sayre PA 18840
PHONE NO.: 570-247-7693
REPORT TO ATTN: Mr. David Tooter
PROJECT/ SAMPLING SITE: 124 Victory Hwy
PO NO.:
SAMPLED BY: D. Tooter

QA/QC: ☐ NORMAL ☒ PREMIUM
TURNAROUND: ☒ NORMAL ☐ EXPEDITE
CLIENT AUTHORIZ. SIGN.: David Tooter

ANALYSIS REQUESTED

DATE	TIME	SAMPLE DESCRIPTION	8260 Full List	MATRIX (AIR, WATER, SOLID)	GRAB OR COMPOSITE	NUMBER OF CONTAINERS	VOLUME OF CONTAINERS	PRESERVATIVE USED
9-8-06	1:00	Bottom of Excavation (Tank Pit)	X	Water	G	9	40ml	HCl
9/8/06	12:15	Trip Blank				2		

DATE	TIME	RELINQUISHED BY	ACCEPTED BY	ADDITIONAL COMMENTS
9-8-06	2:40	1 David Tooter	1 Buck Robinson	
9/8/06	3:50	2	2 Pamela Davis	hand deliver
		3 FAX# 570-247-7083	3	Sample, MS, MSD, Trip Blank
		4	4	#300

FOR LAB USE ONLY- CONDITIONS AT RECEIPT: TEMP 17.5° ☑ COOLER ☑ ICE ☐ CUSTODY SEALS

3821 BUCK DRIVE, PO BOX 5160, CORTLAND, NY 13045
(607)753-3403 FAX 753-3415
INFO@BUCKLABS.COM

BRANCH OFFICE - 14 SMITH AVE, BINGHAMTON, NY 13904
(607)771-0666 FAX 771-0668

Page 1 of 1

Buck Environmental Lab, Inc.

Internal Chain of Custody

Ref # 7

BEL Job # 0609055

Dept: MSVOA

ClientID: Z_TEETER_ENV

Relinquished By Dolly Spencer Date: 9/11/06 Testing:

Received By: Date: Testing:

BEL Sample ID		Sample Removal And Return Tracking																	
		Removed				Returned		Removed				Returned		Removed				Returned	
		Date	Time	By	*	Date	Time	Date	Time	By	*	Date	Time	Date	Time	By	*	Date	Time
-01A	1	9-11-06	15:30	CMP	A	9-12-06	14:00												
-01A	2																		
-01A	3																		
-02A	1	9-11-06	15:30	CMP	A	9-12-06	14:00												
-02A	2																		
-02A	3																		
-03A	1	9-11-06	15:30	CMP	A	9-12-06	14:00												
-03A	2																		
-03A	3																		
-04A	1	9-11-06	15:30	CMP	A	9-12-06	14:00												
-04A	2																		
-05A		9-11-06	15:30	CMP	A	9-12-06	14:00												

* Reasons for Removal: A = Analysis DW = Dry Weight SS = Sub-sample D = Depleted Sample

GC/MS

VOLATILE

SAMPLE DATA SUMMARY

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0801008.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
78-93-3	2-Butanone	25	U
110-75-8	2-Chloroethyl vinyl ether	10	U
591-78-6	2-Hexanone	25	U
67-64-1	Acetone	25	U
71-43-2	Benzene	10	U
75-15-0	Carbon disulfide	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-05-4	Vinyl acetate	10	U
108-86-1	Bromobenzene	10	U
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
95-49-8	2-Chlorotoluene	10	U
106-43-4	4-Chlorotoluene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
74-95-3	Dibromomethane	10	U
95-50-1	1,2-Dichlorobenzene	50	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	3	J
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0801008.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	4	J
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	2	J
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0801008.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

1F

EPA SAMPLE NO.

EXCAVATION BOTTOM

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0801008.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000124-38-9	Carbon dioxide	0.60	43	BNJ

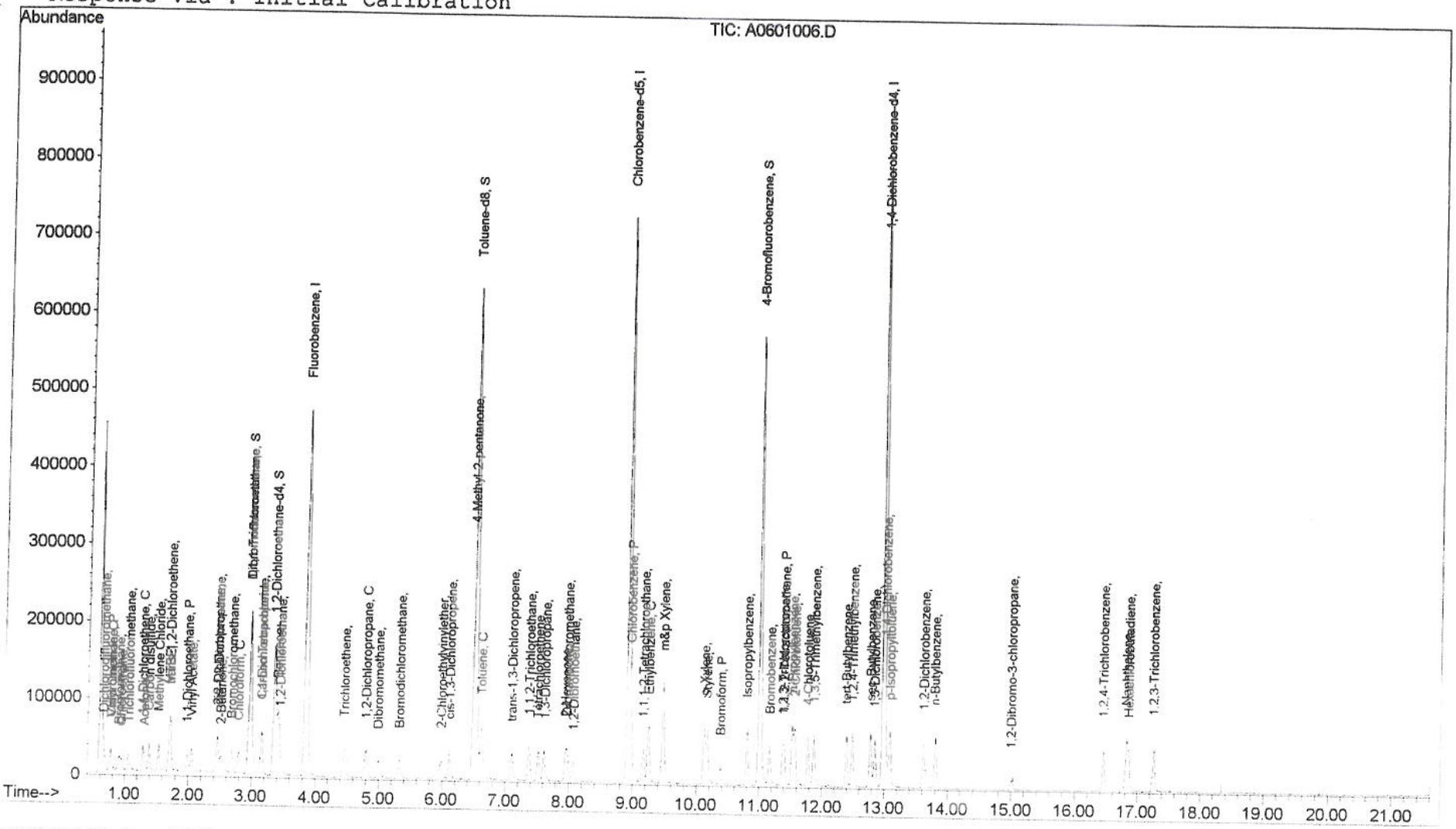
Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A0601006.D
Acq On : 11 Sep 2006 5:21 pm
Sample : VSTD005
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 10:59 2006

Vial: 6
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



0 55

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0633

Instrument ID: MSD3 Calibration Date: 09/11/06 Time: 16:23

Lab File ID: A0401004.D Init. Calib. Date(s): 09/11/06 09/11/06

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 15:25 17:21

Heated Purge: (Y/N) N

GC Column: J&W,DB624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
2-Butanone	0.124	0.121		-2.2	
2-Chloroethyl vinyl ether	0.220	0.227		3.0	
2-Hexanone	0.316	0.327		3.6	
Acetone	0.073	0.071		-2.5	
Benzene	1.115	1.120	0.500	0.4	20.0
Carbon disulfide	0.689	0.705		2.3	
cis-1,3-Dichloropropene	0.456	0.462	0.200	1.3	20.0
Vinyl acetate	0.542	0.542		0.0	
Bromobenzene	0.705	0.709		0.6	
Bromochloromethane	0.139	0.139		-0.1	
Bromodichloromethane	0.334	0.336	0.200	0.6	20.0
Bromoform	0.281	0.289	0.100	2.7	20.0
Bromomethane	0.190	0.183	0.100	-3.5	20.0
n-Butylbenzene	1.960	1.993		1.7	
sec-Butylbenzene	2.474	2.549		3.0	
tert-Butylbenzene	1.507	1.542		2.3	
Carbon tetrachloride	0.261	0.272	0.100	4.4	20.0
Chlorobenzene	0.903	0.916	0.500	1.4	20.0
Chloroethane	0.122	0.120		-1.6	
Chloroform	0.443	0.448	0.200	1.1	20.0
Chloromethane	0.288	0.287		-0.4	
2-Chlorotoluene	0.570	0.582		2.2	
4-Chlorotoluene	0.597	0.606		1.5	
1,2-Dibromo-3-chloropropane	0.149	0.152		2.3	
Dibromochloromethane	0.256	0.261	0.100	2.0	20.0
1,2-Dibromoethane	0.393	0.403		2.5	
Dibromomethane	0.206	0.203		-1.5	
1,2-Dichlorobenzene	1.192	1.212	0.400	1.7	20.0
1,3-Dichlorobenzene	1.229	1.257	0.600	2.2	20.0
1,4-Dichlorobenzene	1.294	1.277	0.500	-1.3	20.0
Dichlorodifluoromethane	0.286	0.292		2.0	
1,1-Dichloroethane	0.352	0.351	0.200	-0.2	20.0
1,2-Dichloroethane	0.316	0.314	0.100	-0.6	20.0
1,1-Dichloroethene	0.202	0.207	0.100	2.7	20.0
cis-1,2-Dichloroethene	0.245	0.247		0.8	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0633

Instrument ID: MSD3 Calibration Date: 09/11/06 Time: 16:23

Lab File ID: A0401004.D Init. Calib. Date(s): 09/11/06 09/11/06

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 15:25 17:21

Heated Purge: (Y/N) N

GC Column: J&W,DB624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
trans-1,2-Dichloroethene	0.232	0.236		1.6	
1,2-Dichloropropane	0.308	0.310		0.7	
1,3-Dichloropropane	0.570	0.575		0.9	
2,2-Dichloropropane	0.241	0.247		2.4	
1,1-Dichloropropene	0.353	0.365		3.4	
trans-1,3-Dichloropropene	0.500	0.514	0.100	2.8	20.0
Ethylbenzene	0.434	0.445	0.100	2.5	20.0
Hexachlorobutadiene	0.316	0.314		-0.7	
Isopropylbenzene	2.383	2.472		3.8	
4-Isopropyltoluene	1.897	1.943		2.4	
Methylene chloride	0.224	0.224		0.0	
4-Methyl-2-pentanone	0.451	0.457		1.4	
Methyl tert-butyl ether	0.576	0.576		0.0	
Naphthalene	2.409	2.456		1.9	
n-Propylbenzene	0.617	0.640		3.8	
Styrene	0.974	0.993	0.300	1.9	20.0
1,1,1,2-Tetrachloroethane	0.274	0.277		1.3	
1,1,2,2-Tetrachloroethane	1.050	1.074	0.300	2.3	20.0
Tetrachloroethene	0.263	0.271	0.200	3.0	20.0
Toluene	0.828	0.840	0.400	1.4	20.0
1,2,3-Trichlorobenzene	0.823	0.820		-0.3	
1,1,1-Trichloroethane	0.326	0.334	0.100	2.4	20.0
1,1,2-Trichloroethane	0.355	0.365	0.100	2.7	20.0
Trichloroethene	0.262	0.265	0.300	1.1	20.0
1,2,4-Trichlorobenzene	0.839	0.837	0.200	-0.2	25.0
Trichlorofluoromethane	0.313	0.328		4.7	
1,2,3-Trichloropropane	0.743	0.750		1.0	
1,2,4-Trimethylbenzene	2.037	2.090		2.6	
1,3,5-Trimethylbenzene	1.978	2.029		2.6	
Vinyl chloride	0.266	0.268	0.100	0.6	20.0
m,p-Xylene	0.540	0.553	0.300	2.4	20.0
o-Xylene	0.530	0.540	0.300	1.9	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0633

Instrument ID: MSD3 Calibration Date: 09/11/06 Time: 16:23

Lab File ID: A0401004.D Init. Calib. Date(s): 09/11/06 09/11/06

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 15:25 17:21

Heated Purge: (Y/N) N

GC Column: J&W,DB624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dibromofluoromethane	0.260	0.257		-1.1	
Toluene-d8	1.207	1.218		0.9	
4-Bromofluorobenzene	0.799	0.809		1.3	
1,2-Dichloroethane-d4	0.231	0.245		5.9	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0401004.D Vial: 4
Acq On : 11 Sep 2006 4:23 pm Operator: CMP
Sample : VSTD050 Inst : MSD#3
Misc : CCV M8260ASPL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 11 16:46 2006 Quant Results File: 8260-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Aug 23 13:18:02 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	3.85	96	809952	50.00	ug/l		0.00
35) Chlorobenzene-d5	8.92	117	631197	50.00	ug/l		0.00
54) 1,4-Dichlorobenzene-d4	12.98	152	329828	50.00	ug/l		0.00
System Monitoring Compounds							
23) Dibromofluoromethane	2.96	113	207929	52.60	ug/l		0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 105.20%				
24) 1,2-Dichloroethane-d4	3.35	65	198577	54.99	ug/l		0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 109.98%				
38) Toluene-d8	6.52	98	769097	46.12	ug/l		0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 92.24%				
56) 4-Bromofluorobenzene	11.00	174	266927	51.25	ug/l		0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 102.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.66	85	236568	59.17	ug/l		77
3) Chloromethane	0.76	50	232774	56.49	ug/l		91
4) Vinyl Chloride	0.77	62	217238	58.94	ug/l		92
5) Bromomethane	0.90	94	148475	58.69	ug/l		85
6) Chloroethane	0.94	64	97025	55.45	ug/l		85
7) Trichlorofluoromethane	1.05	101	265620	60.65	ug/l		85
8) 1,1-Dichloroethene	1.28	96	167618	56.70	ug/l		92
10) Acetone	1.31	43	144629	140.42	ug/l		99
11) Carbon disulfide	1.38	76	570799	61.36	ug/l	#	38
12) Methylene Chloride	1.53	84	181650	56.44	ug/l	#	67
13) trans-1,2-Dichloroethene	1.69	96	190758	55.39	ug/l		83
14) MTBE	1.71	73	466794	55.96	ug/l		100
15) 1,1-Dichloroethane	1.97	63	284030	56.05	ug/l		90
16) Vinyl Acetate	2.04	43	439338	57.98	ug/l		99
17) 2,2-Dichloropropane	2.45	77	199911	56.74	ug/l		93
18) cis-1,2-Dichloroethene	2.45	96	200162	56.83	ug/l		93
19) 2-Butanone	2.51	43	245145	140.49	ug/l		98
20) Bromochloromethane	2.67	128	112333	58.25	ug/l	#	78
21) Chloroform	2.79	83	363085	59.37	ug/l		94
22) 1,1,1-Trichloroethane	2.95	97	270648	60.42	ug/l		96
25) Carbon Tetrachloride	3.15	119	219902	60.51	ug/l		95
26) 1,1-Dichloropropene	3.16	75	295387	58.75	ug/l		96
27) Benzene	3.41	78	907035	57.46	ug/l		100
28) 1,2-Dichloroethane	3.45	62	254623	57.59	ug/l		82
30) Trichloroethene	4.45	130	214277	57.69	ug/l	#	77
31) 1,2-Dichloropropane	4.79	63	251017	58.07	ug/l		95

CMP

(#) = qualifier out of range (m) = manual integration
A0401004.D 8260A-L.M Fri Sep 15 19:46:44 2006 MSD3

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0401004.D
Acq On : 11 Sep 2006 4:23 pm
Sample : VSTD050
Misc : CCV M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 11 16:46 2006

Vial: 4
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Aug 23 13:18:02 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

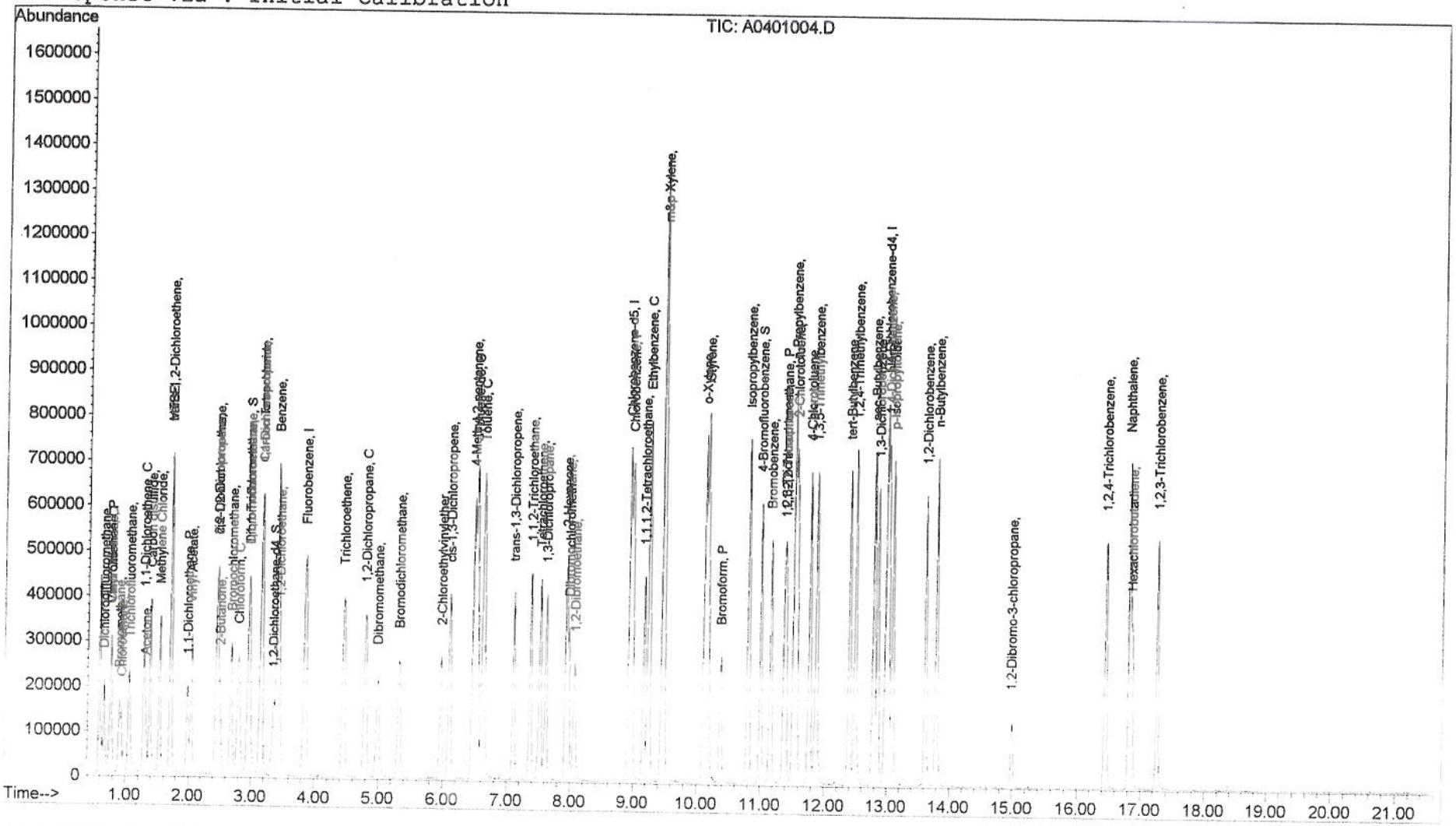
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32) Dibromomethane	4.98	93	164055	57.70 ug/l		94
33) Bromodichloromethane	5.32	83	272121	60.23 ug/l		93
34) 2-Chloroethylvinylether	5.97	63	183935	59.37 ug/l		85
36) cis-1,3-Dichloropropene	6.10	75	374504	50.59 ug/l		96
37) 4-Methyl-2-pentanone	6.47	43	721873	119.02 ug/l		95
39) Toluene	6.62	92	530184	48.23 ug/l	#	69
40) trans-1,3-Dichloropropene	7.10	75	324232	51.62 ug/l		100
41) 1,1,2-Trichloroethane	7.37	97	230243	49.81 ug/l		91
42) Tetrachloroethene	7.52	164	170934	49.26 ug/l		93
43) 1,3-Dichloropropane	7.61	76	362818	47.97 ug/l		98
44) 2-Hexanone	7.93	43	515308	120.53 ug/l		99
45) Dibromochloromethane	7.97	127	164550	50.00 ug/l	#	61
46) 1,2-Dibromoethane	8.06	107	254564	49.60 ug/l		86
47) Chlorobenzene	8.96	112	577893	48.69 ug/l		99
48) 1,1,1,2-Tetrachloroethane	9.17	131	174677	48.78 ug/l		96
49) Ethylbenzene	9.24	106	280864	48.63 ug/l	#	88
50) m&p Xylene	9.47	106	697509	97.31 ug/l		98
51) o-Xylene	10.11	106	340742	49.40 ug/l		91
52) Styrene	10.15	104	626731	50.19 ug/l		100
53) Bromoform	10.37	173	182545	52.08 ug/l		94
55) Isopropylbenzene	10.81	105	815187	47.29 ug/l		96
57) Bromobenzene	11.16	156	233992	47.02 ug/l		93
58) 1,1,2,2-Tetrachloroethane	11.40	83	354134	47.28 ug/l		100
59) 1,2,3-Trichloropropane	11.37	75	247348	45.71 ug/l		99
60) n-Propylbenzene	11.52	120	210947	47.65 ug/l		95
61) 2-Chlorotoluene	11.56	126	191862	46.32 ug/l	#	82
62) 4-Chlorotoluene	11.77	126	199894	46.76 ug/l		100
63) 1,3,5-Trimethylbenzene	11.88	105	669321	47.43 ug/l		94
64) tert-Butylbenzene	12.39	119	508480	46.50 ug/l		94
65) 1,2,4-Trimethylbenzene	12.49	105	689192	47.80 ug/l		100
66) sec-Butylbenzene	12.78	105	840824	46.11 ug/l		97
67) 1,3-Dichlorobenzene	12.85	146	414585	46.69 ug/l		95
68) 1,4-Dichlorobenzene	13.02	146	421354	44.86 ug/l		93
69) p-Isopropyltoluene	13.08	119	640998	46.36 ug/l		96
70) 1,2-Dichlorobenzene	13.62	146	399653	47.92 ug/l		88
71) n-Butylbenzene	13.79	91	657312	45.97 ug/l		86
72) 1,2-Dibromo-3-chloropropan	14.99	75	50148	47.04 ug/l	#	58
73) 1,2,4-Trichlorobenzene	16.45	180	276093	46.82 ug/l		95
74) Hexachlorobutadiene	16.87	225	103691	49.86 ug/l		97
75) Naphthalene	16.82	128	810003	48.22 ug/l		100
76) 1,2,3-Trichlorobenzene	17.26	180	270478	46.75 ug/l		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A0401004.D Vial: 4
Acq On : 11 Sep 2006 4:23 pm Operator: CMP
Sample : VSTD050 Inst : MSD#3
Misc : CCV M8260ASPL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 11 16:46 2006 Quant Results File: 8260-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



0 61

GC/MS

VOLATILE

QUALITY CONTROL DATA

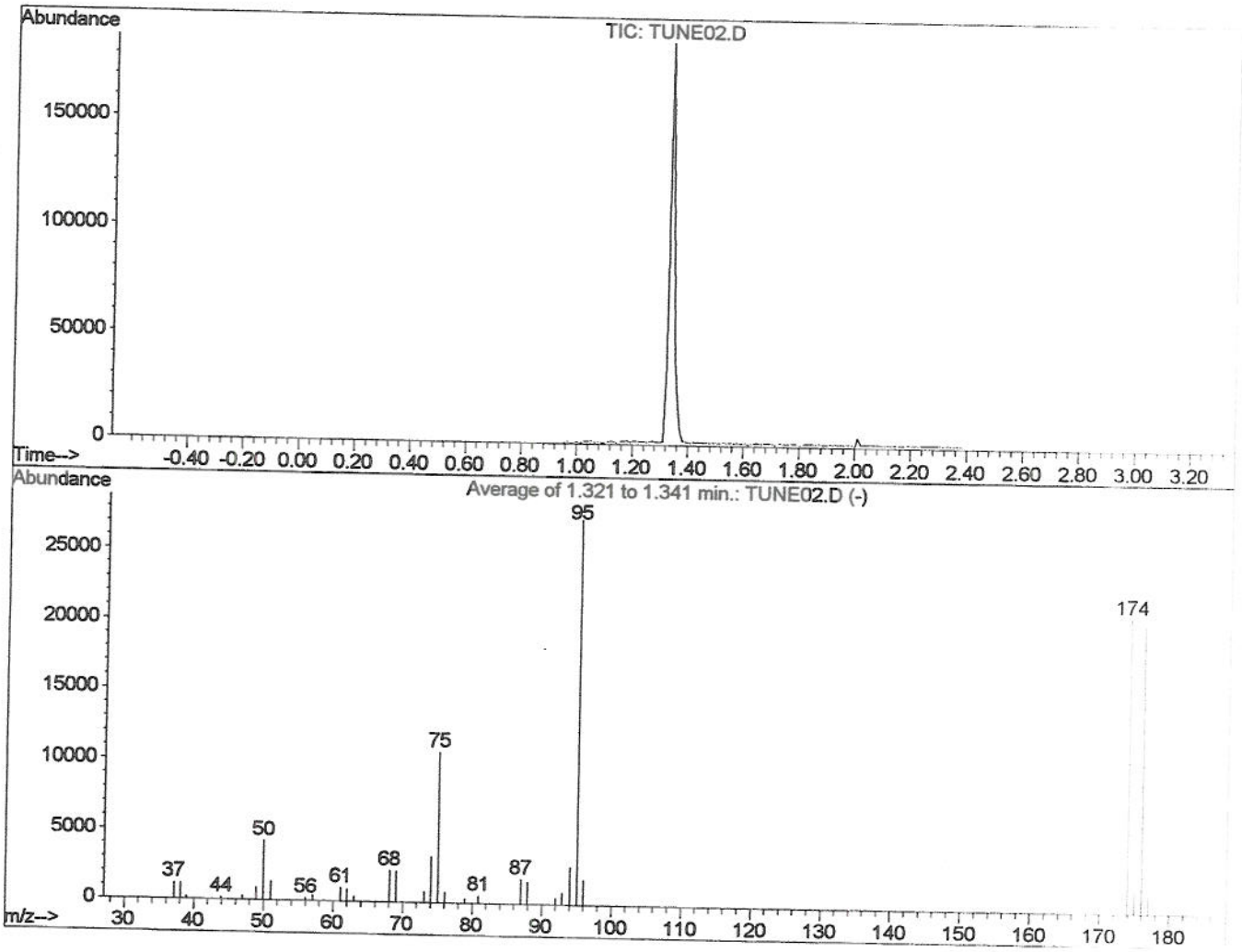
REVIEWED BY: Barbara L Houskamp

BARBARA L. HOUSKAMP

BFB

Data File : C:\HPCHEM\3\DATA\911V06\TUNE02.D
Acq On : 11 Sep 2006 2:41 pm
Sample : 50NG.BFB
Misc : TUNE BFB
MS Integration Params: rteint.p
Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration

Vial: 8
Operator: CMP
Inst : MSD#3
Multiplr: 1.00



AutoFind: Scans 39, 40, 41; Background Corrected with Scan 36

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	4229	PASS
75	95	30	60	39.0	10736	PASS
95	95	100	100	100.0	27509	PASS
96	95	5	9	6.6	1811	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.5	21047	PASS
175	174	5	9	7.2	1525	PASS
176	174	95	101	97.6	20541	PASS
177	176	5	9	6.5	1339	PASS

TUNE02.D 8260A-L.M Fri Sep 15 19:48:42 2006 MSD3

Average of 1.321 to 1.341 min.: TUNE02.D
50NG.BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	1165	61.05	964	86.95	1813		
38.05	1146	61.95	866	87.95	1593		
38.95	195	62.95	372	91.95	476		
39.90	49	68.05	2243	92.90	862		
43.95	139	69.05	2203	94.00	2720		
46.95	286	73.05	775	95.00	27509		
48.95	879	74.05	3293	96.00	1811		
49.95	4229	75.05	10736	173.95	21047		
51.05	1337	76.05	793	175.00	1525		
56.05	182	78.95	329	175.95	20541		
57.05	395	80.90	541	176.95	1339		

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0701007.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
78-93-3	2-Butanone	25	U
110-75-8	2-Chloroethyl vinyl ether	10	U
591-78-6	2-Hexanone	25	U
67-64-1	Acetone	25	U
71-43-2	Benzene	10	U
75-15-0	Carbon disulfide	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-05-4	Vinyl acetate	10	U
108-86-1	Bromobenzene	10	U
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
95-49-8	2-Chlorotoluene	10	U
106-43-4	4-Chlorotoluene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
74-95-3	Dibromomethane	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0701007.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0701007.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

1F

EPA SAMPLE NO.

VBLK01

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0701007.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000124-38-9	Carbon dioxide	0.59	30	NJ

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0701007.D
Acq On : 11 Sep 2006 5:50 pm
Sample : VBLK01
Misc : MBLK M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 11:10 2006

Vial: 7
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.85	96	787300	50.00	ug/l	0.00
35) Chlorobenzene-d5	8.93	117	628781	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.98	152	324026	50.00	ug/l	0.00
System Monitoring Compounds						
23) Dibromofluoromethane	2.97	113	206030	50.35	ug/l	0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 100.70%			
24) 1,2-Dichloroethane-d4	3.35	65	183360	50.32	ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 100.64%			
38) Toluene-d8	6.51	98	750099	49.43	ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 98.86%			
56) 4-Bromofluorobenzene	11.00	174	257130	49.67	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 99.34%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

0 68

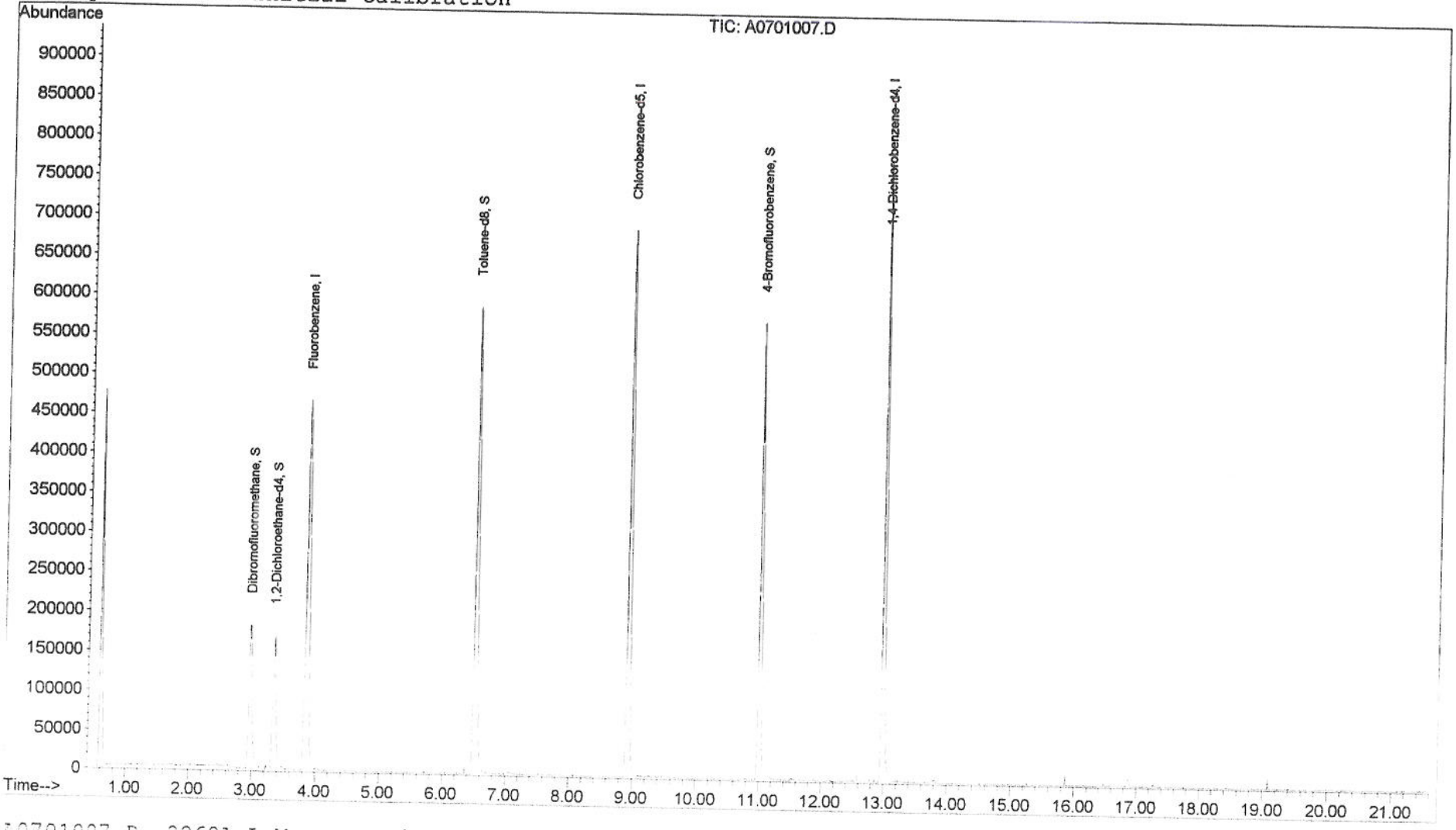
Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A0701007.D
Acq On : 11 Sep 2006 5:50 pm
Sample : VBLK01
Misc : MBLK M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 11:10 2006

Vial: 7
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\3\DATA\911V06\A0701007.D
Acq On : 11 Sep 2006 5:50 pm
Sample : VBLK01
Misc : MBLK M8260ASPL
MS Integration Params: LSCINT.P

Vial: 7
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

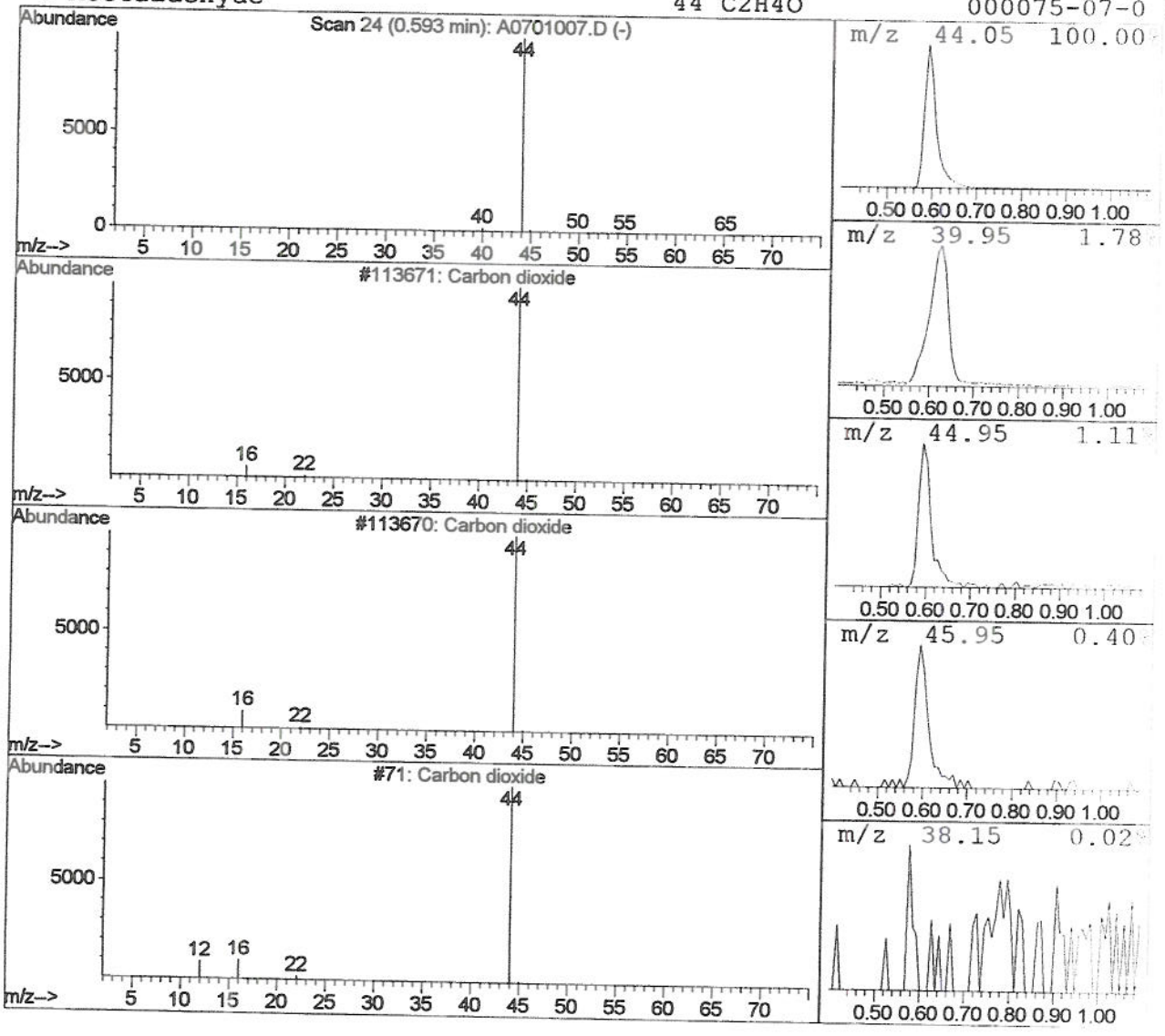
Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Library : C:\DATABASE\WILEY.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.59	29.87 ug/l	922177	Fluorobenzene	3.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Carbon dioxide	44	CO2	000124-38-9	4
4	Acetaldehyde	44	C2H4O	000075-07-0	3



0 70

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBS01

Lab Name: Buck Environmental Labs, Inc Contract: 2 TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: DEL0633

Matrix: (soil/water) WATER Lab Sample ID: MBS01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A2201022.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 02/12/08

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
78-93-3	2-Butanone	25	U
110-75-8	2-Chloroethyl vinyl ether	10	U
591-78-6	2-Hexanone	25	U
67-64-1	Acetone	25	U
71-43-2	Benzene	51	
75-15-0	Carbon disulfide	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-05-4	Vinyl acetate	10	U
108-86-1	Bromobenzene	10	U
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	48	
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
95-49-8	2-Chlorotoluene	10	U
106-43-4	4-Chlorotoluene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
74-95-3	Dibromomethane	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBS01

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: MBS01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A2201022.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/12/06

GC Column: DAW,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	49	
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	49	
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	46	
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBS01

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: MBS01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A2201022.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/12/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A2201022.D Vial: 22
Acq On : 12 Sep 2006 1:04 am Operator: CMP
Sample : MBS01 Inst : MSD#3
Misc : LCS M8260ASPL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 12 13:33 2006 Quant Results File: 8260A-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	3.84	96	728187	50.00 ug/l	0.00
35) Chlorobenzene-d5	8.92	117	579928	50.00 ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.99	152	291363	50.00 ug/l	0.00
System Monitoring Compounds					
23) Dibromofluoromethane	2.96	113	192134	50.77 ug/l	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 101.54		
24) 1,2-Dichloroethane-d4	3.34	65	174021	51.63 ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 103.26		
38) Toluene-d8	6.51	98	698680	49.92 ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 99.84		
56) 4-Bromofluorobenzene	11.00	174	234533	50.38 ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 100.76		
Target Compounds					Qvalue
8) 1,1-Dichloroethene	1.28	96	145314	49.49 ug/l	98
27) Benzene	3.41	78	825011	50.78 ug/l	100
30) Trichloroethene	4.45	130	174888	45.82 ug/l	96
39) Toluene	6.62	92	468582	48.78 ug/l	99
47) Chlorobenzene	8.97	112	497916	47.52 ug/l	98

(#) = qualifier out of range (m) = manual integration
A2201022.D 8260A-L.M Fri Sep 15 19:54:48 2006 MSD3

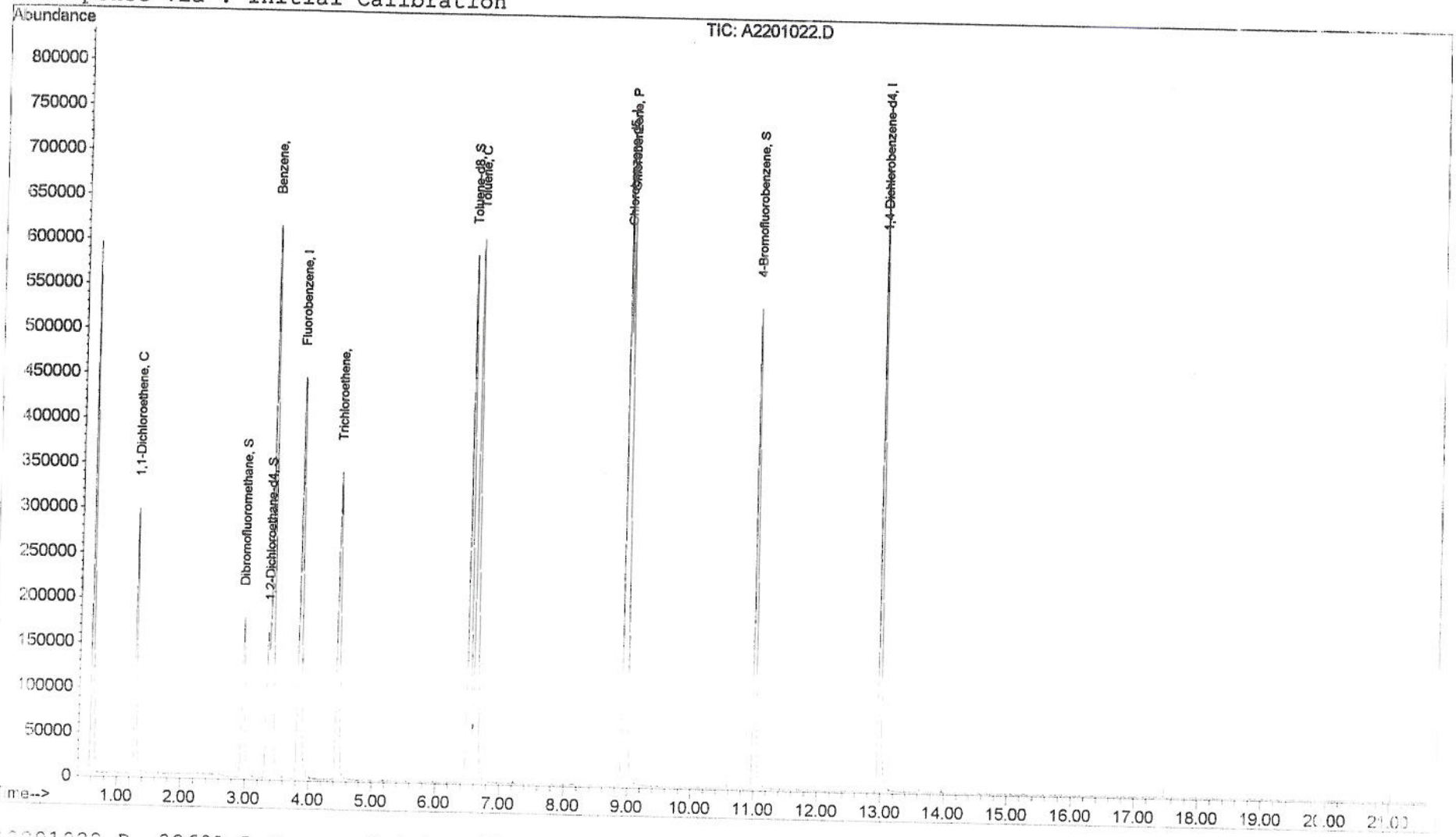
Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A2201022.D
Acq On : 12 Sep 2006 1:04 am
Sample : MBS01
Misc : LCS M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 13:33 2006

Vial: 22
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM-

Lab Name: Buck Environmental Labs, Inc Contract: Z GEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL06

Matrix: (soil/water) WATER Lab Sample ID: 0609055-02A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A2001020.D

Level: (low/med) LOW Date Received: 09/09/06

% Moisture: not dec. Date Analyzed: 09/12/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
78-93-3	2-Butanone	25	U
110-75-8	2-Chloroethyl vinyl ether	10	U
591-78-6	2-Hexanone	25	U
67-64-1	Acetone	25	U
71-43-2	Benzene	57	
75-15-0	Carbon disulfide	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-05-4	Vinyl acetate	10	U
108-86-1	Bromobenzene	10	U
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	53	
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
95-49-8	2-Chlorotoluene	10	U
106-43-4	4-Chlorotoluene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
74-95-3	Dibromomethane	10	U
95-50-1	1,2-Dichlorobenzene	50	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	3	J
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM-MS

Lab Name: Buck Environmental Labs, Inc Contract: S TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A2001020.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/12/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	59	
156-59-2	cis-1,2-Dichloroethene	6	J
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	59	
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	54	
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM-M5

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-02A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A2001020.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/12/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A2001020.D Vial: 20
Acq On : 12 Sep 2006 12:06 am Operator: CMP
Sample : 0609055-02A Inst : MSD#3
Misc : MS M8260ASPL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 12 13:29 2006 Quant Results File: 8260A-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	3.85	96	732100	50.00 ug/l	0.00
35) Chlorobenzene-d5	8.93	117	584943	50.00 ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.98	152	298516	50.00 ug/l	0.00
System Monitoring Compounds					
23) Dibromofluoromethane	2.98	113	191451	50.32 ug/l	0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 100.64		
24) 1,2-Dichloroethane-d4	3.35	65	174245	51.42 ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 102.84		
38) Toluene-d8	6.51	98	694208	49.17 ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 98.34		
56) 4-Bromofluorobenzene	11.00	174	238615	50.03 ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 100.06		
Target Compounds					Qvalue
8) 1,1-Dichloroethene	1.29	96	173070	58.63 ug/l	98
18) cis-1,2-Dichloroethene	2.46	96	14306	3.99 ug/l	87
27) Benzene	3.41	78	932803	57.11 ug/l	100
30) Trichloroethene	4.45	130	205965	53.68 ug/l	99
39) Toluene	6.62	92	566561	58.68 ug/l	98
47) Chlorobenzene	8.97	112	563050	53.28 ug/l	99
65) 1,2,4-Trimethylbenzene	12.49	105	16469	1.35 ug/l	93
68) 1,4-Dichlorobenzene	13.01	146	20196	2.61 ug/l	98
70) 1,2-Dichlorobenzene	13.62	146	352674	49.56 ug/l	98

(#) = qualifier out of range (m) = manual integration

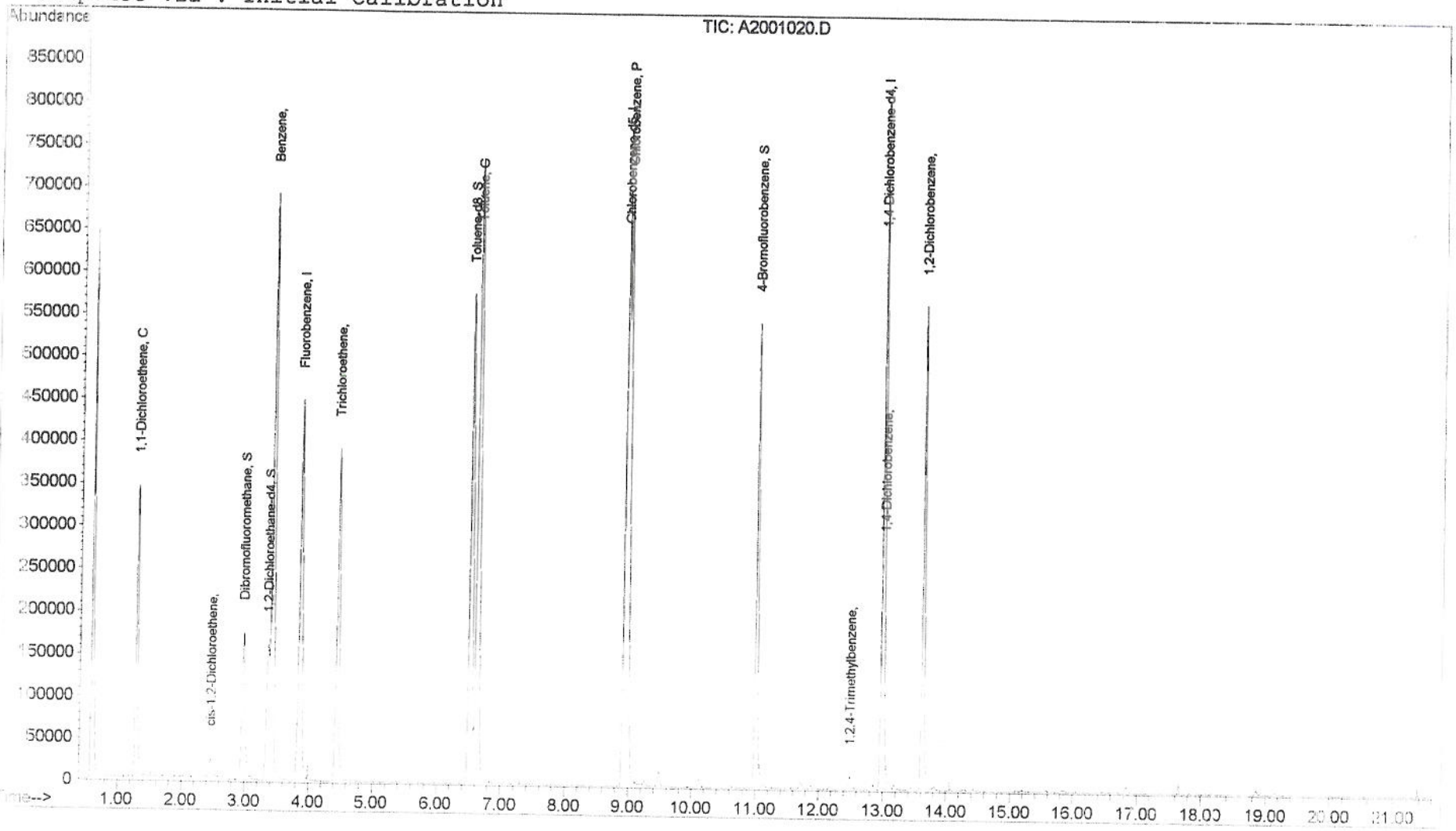
Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A2001020.D
Acq On : 12 Sep 2006 12:06 am
Sample : 0609055-02A
Misc : MS M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 13:29 2006

Vial: 20
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM-

Lab Name: Buck Environmental Labs, Inc Contract: Z TESTER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0612

Matrix: (soil/water) WATER Lab Sample ID: 0609055-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A2101021.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/12/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
78-93-3	2-Butanone	25	U
110-75-8	2-Chloroethyl vinyl ether	10	U
591-78-6	2-Hexanone	25	U
67-64-1	Acetone	25	U
71-43-2	Benzene	55	
75-15-0	Carbon disulfide	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-05-4	Vinyl acetate	10	U
108-86-1	Bromobenzene	10	U
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	53	
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
95-49-8	2-Chlorotoluene	10	U
106-43-4	4-Chlorotoluene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
74-95-3	Dibromomethane	10	U
95-50-1	1,2-Dichlorobenzene	52	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	3	J
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM-

Lab Name: Buck Environmental Labs, Inc Contract: E TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BBL0622

Matrix: (soil/water) WATER Lab Sample ID: 0609055-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A2101021.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/12/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	58	
156-59-2	cis-1,2-Dichloroethene	8	J
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	58	
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	52	
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM-#1SB

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A2101021.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/12/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A2101021.D Vial: 21
Acq On : 12 Sep 2006 12:35 am Operator: CMP
Sample : 0609055-03A Inst : MSD#3
Misc : MSD MS260AGPL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 12 13:32 2006 Quant Results File: 8260A-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	3.85	96	739654	50.00 ug/l	0.00
35) Chlorobenzene-d5	8.93	117	576375	50.00 ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.98	152	293875	50.00 ug/l	0.00
System Monitoring Compounds					
23) Dibromofluoromethane	2.97	113	190165	49.47 ug/l	0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 98.94		
24) 1,2-Dichloroethane-d4	3.35	65	177720	51.91 ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 103.82		
38) Toluene-d8	6.51	98	707584	50.86 ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 101.72		
56) 4-Bromofluorobenzene	11.01	174	235174	50.08 ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 100.16		
Target Compounds					Qvalue
8) 1,1-Dichloroethene	1.28	96	171573	57.53 ug/l	97
18) cis-1,2-Dichloroethene	2.46	96	14821	4.09 ug/l	99
27) Benzene	3.42	78	907893	55.02 ug/l	100
30) Trichloroethene	4.45	130	201140	51.89 ug/l	97
39) Toluene	6.62	92	550016	57.61 ug/l	100
47) Chlorobenzene	8.97	112	547215	52.55 ug/l	98
65) 1,2,4-Trimethylbenzene	12.49	105	17338	1.45 ug/l	94
68) 1,4-Dichlorobenzene	13.02	146	21163	2.78 ug/l	96
70) 1,2-Dichlorobenzene	13.62	146	361882	51.66 ug/l	99

(#) = qualifier out of range (m) = manual integration

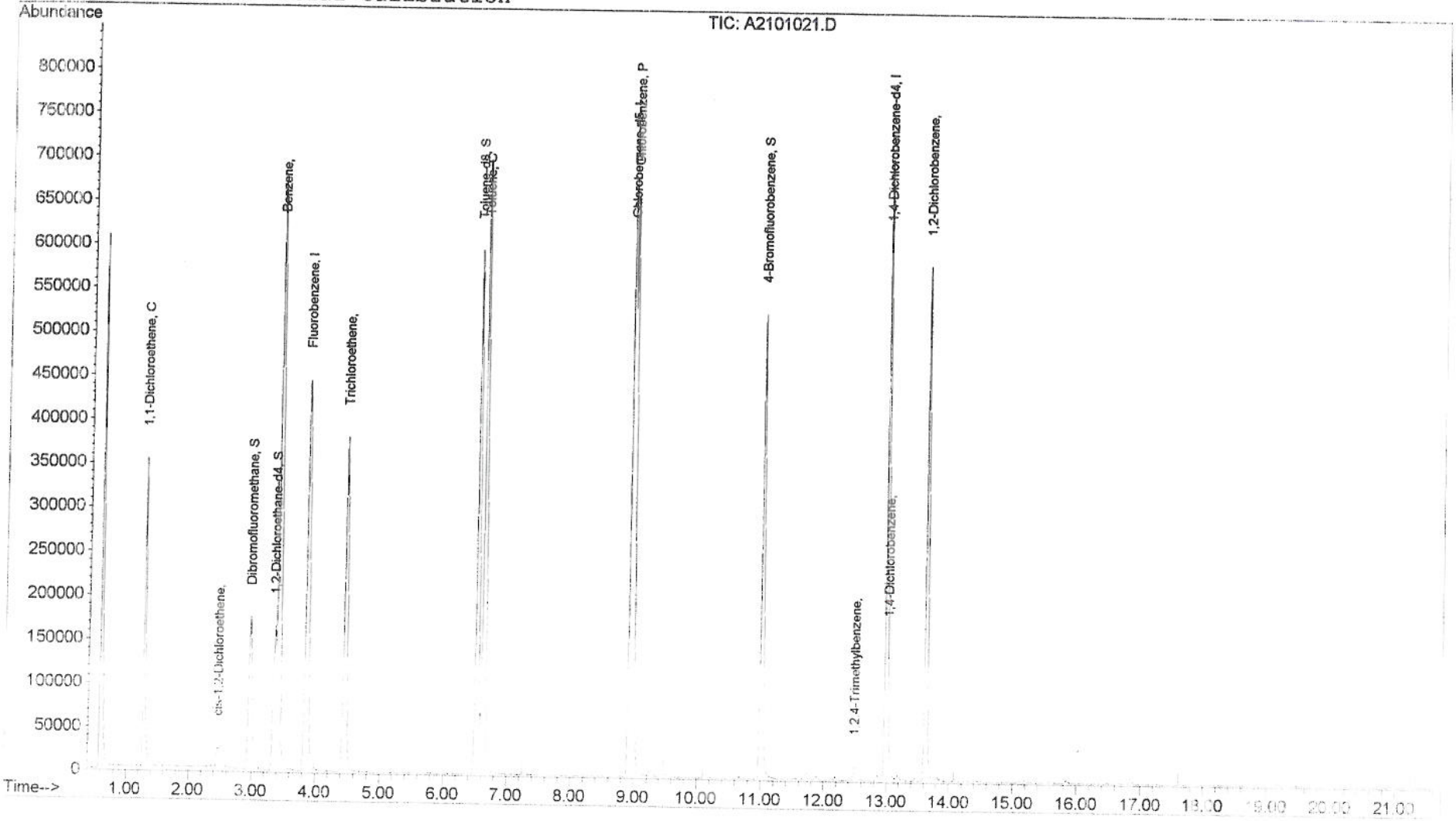
Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A2101021.D
Acq On : 12 Sep 2006 12:35 am
Sample : 0609055-03A
Misc : MSD M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 13:32 2006

Vial: 21
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



MISCELLANEOUS DATA

22	14	a1401014.d	1.	0609047-03A	SAMP M8260I
23	15	a1501015.d	1.	0609047-01A	SAMP M8260I
26	18	a1801018.d	1	0609021-03A	SAMP M8260I
28	20	a2001020.d	1.	0609021-02A	SAMP M8260I
29	21	a2101021.d	1	0609055-03A	MS M8260ASPL
30	22	a2201022.d	1.	MBS01	MSD M8260ASPL
32		a2401024.d	1.		LCS M8260ASPL
34	8	tune02.d	1.	50NG.BFB	TUNE BFB

15 Sep 06 19:50

BUCK ENVIRONMENTAL LABORATORY — INSTRUMENT LOG

Tune File: BF[illegible]

Batch File: 91[illegible]

Method File: [illegible]

Internal Standard: V[illegible]

Volume Internal Std: 1

Volume [illegible]/Purge: 5

Date: [illegible]

Cal [illegible]

Analyst: [illegible]

Supervisor: [illegible]

File Name	Buck ID	Initial Wt/Vol	Final Volume	Dilution	% Solid	Cl[illegible]	Comments
TUNE02.d	BFB	[illegible]		1		Q	
a0101001.d	Warm[illegible]	5ml		1		Q	
a0201002.d	VSTD20	5ml		1		Q	
a0301003.d	VSTD[illegible]	5ml		1		Q	
a0401004.d	VSTD[illegible]	5ml		1		Q	
a0501005.d	VSTD[illegible]	5ml		1		Q	
a0601006.d	VSTD[illegible]	5ml		1		Q	
a0701007.d	VBLK[illegible]	5ml		1		Q	
a0801008.d	0609[illegible]	5ml		1		[illegible]	
a0901009.d	060905	5ml		1		[illegible]	
a1001010.d	060905	5ml		1		[illegible]	
[illegible]	[illegible]	[illegible]		1		[illegible]	
a1201012.d	0609[illegible]	5ml		1		[illegible]	
a1301013.d	0609[illegible]	5ml		1		[illegible]	
a1401014.d	0609[illegible]	5ml		1		[illegible]	
a1501015.d	0609[illegible]	5ml		1		[illegible]	
a1601016.d	0609[illegible]	5ml		1		[illegible]	
a1701017.d	0609[illegible]	5ml		1		[illegible]	
a1801018.d	0609[illegible]	5ml		1		[illegible]	
[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	
a2001020.d	0609[illegible]	5ml		1		[illegible]	

Inst. Maintenance [illegible] Calibration File [ ] Method Blank [illegible] [ ] [illegible] Load [ ]

BUCK ENVIRONMENTAL LABORATORY INSTRUMENT LOG MSD #5 DATE 9-11-01

Tune File: BFB.U

Batch File: 911V06

Method File: 8260A_1.M

Internal Standard: V8270

Volume Internal Std: 1ml

Volume Inj/Purge: 5ml

Data Tape:

Analyst:

Supervisor:

File Name	Buck ID	AS #	Initial Wt./Vol.	Final Volume	Dilution	pH / %Moist	Client	Description	Comments
a2101021.d	060905-03A	--	5ml	--	1	1	[illegible]	[illegible]	[illegible]
a2201022.d	mb501	--	5ml	--	1	--	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

(DW) 9-12-01

Inst. Maintenance

BUCK ENVIRONMENTAL LABORATORY STANDARD PREPARATION LOG

Std #	Description	Stock #	Prep Solv	Stock Conc.	Initial Vol./Vol.	Final Vol.	Final Conc.	Date	Prep By
V27131	VOA Matrix Spike mix	V27131 RASHK AUG11'15	M	2500ug/ml	1ml	1ml	2500 ug/ml	9-11-ab	Lmp
V27132	200ppb 8260 STK		W					9-11-ab	Lmp
	8260 WK STK	V27128	–	100ug/ml	100ml	50ml	200 ug/L	↓	↓
V27133	100ppb 8260 STK		W					9-11-ab	Lmp
	8260 WK STK	V27128	–	100ug/ml	50ml	50ml	100ug/L	↓	↓

Solvent Codes: W: Water M: Methanol MC: Methylene Chloride O: Other

BUCK ENVIRONMENTAL LABORATORY STANDARD PREPARATION LOG

Std. #	Description	Stock #	Prep Solv	Stock Conc.	Aliquot Wt./Vol.	Final Vol.	Final Conc.	Date	Prep By
	8260 wk std	V27128	-	1000 ug/ml	25 ml	5 ml	5 ug/ml	9-12-96	Lmp
	8260 wk std	V27128	-	1 mg/ml	1 ml	5 ml	200 ug/ml	9-12-96	Lmp
	8260 wk std	V27128	-	1 mg/ml	2.5 ml	5 ml	500 ug/ml	9-12-96	Lmp
	VOA MS wk std	V27130	-	25 mg/ml	1 ml	5 ml	5 mg/l	9-12-96	Lmp
	8260 IS std	V27129	-	10 mg/ml	1 ml	5 ml	2 mg/l	9-12-96	Lmp
V27140	8260 A std mix	A-012-96C	M	2 mg/ml	1 ml	10 ml	200 ug/l	9-13-96	Lmp
	8260 A IS mix	V27130	-	25 mg/ml	1 ml	10 ml	2.5 mg/l	9-13-96	Lmp
V27142	100 ppb 8260 Soil Std		W				100 ug/l	9-13-96	Lmp
V27143	100 ppb 8260 Soil Std		W				100 ug/l	9-13-96	Lmp
V27144	50 ppb 8260 Soil Std		W				50 ug/l	9-13-96	Lmp
V27145	10 ppb 8260 Soil Std		W				10 ug/l	9-13-96	Lmp
V27146	5 ppb 8260 Soil Std		W				5 ug/l	9-13-96	Lmp
V27147	1 ppb 8260 Soil Std		W				1 ug/l	9-13-96	Lmp
V27148	20 ppb 8260 Soil Retest		W				20 ug/l	9-13-96	Lmp
V27149	200 ppb 8260 Std		W				200 ug/l	9-14-96	Lmp

Solvent Codes: W-Water M-Methanol MC-Methylene Chloride O-Other

Table 3
Calculations

CALCULATION 1 - RESPONSE FACTOR (RF)

$$RF = \frac{A_{compd} * C_{is}}{A_{is} * C_{compd}}$$

A_{compd} = The integrated abundance of the quantitation ion for the compound.
C_{is} = The concentration of the internal standard which is purged.
A_{is} = The integrated abundance of the quantitation ion for the internal standard.
C_{compd} = The concentration of the compound.

FORMULA 2 AVERAGE RELATIVE RESPONSE FACTOR (RRF)

$$\overline{RRF} = \frac{RF_1 + RF_2 + RF_3 + RF_4 + RF_5}{5}$$

RF_1 = Response factor from calibration level 1
RF_2 = Response factor from calibration level 2
RF_3 = Response factor from calibration level 3
RF_4 = Response factor from calibration level 4
RF_5 = Response factor from calibration level 5

FORMULA 3 - PERCENT RELATIVE STANDARD DEVIATION (RSD)

$$\%RSD = 100 * \frac{SD}{M}$$

SD = Standard deviation
M = Mean

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

STORAGE BLANK

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A1001010.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND (µg/L or µg/Kg)	CONCENTRATION UNITS: UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

STORAGE BLANK

Lab Name: Buck Environmental Labs, Inc. Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A1001010.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000124-38-9	Carbon dioxide	0.59	55	BNJ

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0901009.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
78-93-3	2-Butanone	25	U
110-75-8	2-Chloroethyl vinyl ether	10	U
591-78-6	2-Hexanone	25	U
67-64-1	Acetone	25	U
71-43-2	Benzene	10	U
75-15-0	Carbon disulfide	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-05-4	Vinyl acetate	10	U
108-86-1	Bromobenzene	10	U
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
95-49-8	2-Chlorotoluene	10	U
106-43-4	4-Chlorotoluene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
74-95-3	Dibromomethane	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0901009.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0901009.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Buck Environmental Labs, Inc. Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0901009.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000124-38-9	Carbon dioxide	0.59	14	BNJ

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Buck Environmental Labs, Inc. Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

	EPA SAMPLE NO.	SMC1 (DBF) #	SMC2 (TOL) #	SMC3 (BFB) #	SMC4 (DCE) #	TOT OUT
01	VBLK01	100	98	100	100	0
02	EXCAVATION BOTTO	98	98	100	100	0
03	TRIP BLANK	98	100	100	102	0
04	STORAGE BLANK	102	100	100	102	0
05	EXCAVATION BOTTO	100	98	100	102	0
06	EXCAVATION BOTTO	98	102	100	104	0
07	MBS01	102	100	100	104	0

			QC Limit
SMC 1	(DBF)	= Dibromofluoromethane	(76-114)
SMC 2	(TOL)	= Toluene-d8	(88-110)
SMC 3	(BFB)	= 4-Bromofluorobenzene	(86-115)
SMC 4	(DCE)	= 1,2-Dichloroethane-d4	(79-118)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Buck Environmental Labs, Contract: Z_TEETER_ENV

Lab Code: 10795 Case No.: _____ SAS No.: _____ SDG No.: BEL0633

Matrix Spike - EPA Sample No.: EXCAVATION BOTTOM

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC #	QC. LIMITS REC.
Benzene	50	0	57	114	76-127
Chlorobenzene	50	0	53	106	75-130
1,1-Dichloroethene	50	0	59	118	61-145
Toluene	50	2	59	114	76-125
Trichloroethene	50	0	54	108	71-120

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	50	55	110	4	11	76-127
Chlorobenzene	50	53	106	0	13	75-130
1,1-Dichloroethene	50	58	116	2	14	61-145
Toluene	50	58	112	2	13	76-125
Trichloroethene	50	52	104	4	14	71-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: Buck Environmental Labs, Contract: Z_TEETER_ENV

Lab Code: 10795 Case No.: _____ SAS No.: _____ SDG No.: BEL0633

Sample ID MBS01 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Benzene	50	0	51	102	76-127
Chlorobenzene	50	0	48	96	75-130
1,1-Dichloroethene	50	0	49	98	61-145
Toluene	50	0	49	98	76-125
Trichloroethene	50	0	46	92	71-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Lab File ID: A0701007.D Lab Sample ID: VBLK01

Date Analyzed: 09/11/06 Time Analyzed: 17:50

GC Column: J&W,DB6 ID: .18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSD3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CAVATION BOTT	0609055-01A	A0801008.D	18:19
02	TRIP BLANK	0609055-04A	A0901009.D	18:48
03	STORAGE BLANK	0609055-05A	A1001010.D	19:17
04	AVATION BOTTOM	0609055-02A	A2001020.D	0:06
05	VATION BOTTOM	0609055-03A	A2101021.D	0:35
06	MBS01	MBS01	A2201022.D	1:04

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0701007.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/L	Q
78-93-3	2-Butanone	25	U
110-75-8	2-Chloroethyl vinyl ether	10	U
591-78-6	2-Hexanone	25	U
67-64-1	Acetone	25	U
71-43-2	Benzene	10	U
75-15-0	Carbon disulfide	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-05-4	Vinyl acetate	10	U
108-86-1	Bromobenzene	10	U
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
95-49-8	2-Chlorotoluene	10	U
106-43-4	4-Chlorotoluene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
74-95-3	Dibromomethane	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0701007.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0701007.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/Kg)	UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Lab File ID: TUNE02.D BFB Injection Date: 09/11/06

Instrument ID: MSD3 BFB Injection Time: 14:41

GC Column: J&W,DB6 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15 - 40 percent of mass 95	15.4
75	30 - 60 percent of mass 95	39.0
95	Base peak, 100 percent relative abundance	100.0
96	5.0 - 9.0 percent of mass 95	6.6
173	less than 2.0 percent of mass 174	0.0 (0.0)1
174	>50 percent of mass 95	76.5
175	5.0 - 9.0 percent of mass 174	5.5 (7.2)1
176	95 - 101 percent of mass 174	74.7 (97.6)1
177	5.0 - 9.0 percent of mass 176	4.9 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	VSTD200	A0201002.D	09/11/06	15:25
02	VSTD100	VSTD100	A0301003.D	09/11/06	15:54
03	VSTD050	VSTD050	A0401004.D	09/11/06	16:23
04	VSTD020	VSTD020	A0501005.D	09/11/06	16:52
05	VSTD005	VSTD005	A0601006.D	09/11/06	17:21
06	VBLK01	VBLK01	A0701007.D	09/11/06	17:50
07	XCAVATION BOTTO	0609055-01A	A0801008.D	09/11/06	18:19
08	TRIP BLANK	0609055-04A	A0901009.D	09/11/06	18:48
09	STORAGE BLANK	0609055-05A	A1001010.D	09/11/06	19:17
10	AVATION BOTTOM -	0609055-02A	A2001020.D	09/12/06	0:06
11	AVATION BOTTOM -	0609055-03A	A2101021.D	09/12/06	0:35
12	MBS01	MBS01	A2201022.D	09/12/06	1:04

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Lab File ID (Standard): A0401004.D Date Analyzed: 09/11/06

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 16:23

Instrument ID: MSD3 Heated Purge: (Y/N) N

GC Column: J&W,DB6 ID: .18 (mm)

		IS1 (FBZ) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	809952	3.85	631197	8.92	329828	12.98
	UPPER LIMIT	1619904	4.35	1262394	9.42	659656	13.48
	LOWER LIMIT	404976	3.35	315599	8.42	164914	12.48
	EPA SAMPLE						
01	VBLK01	787300	3.85	628781	8.93	324026	12.98
02	EXCAVATION BOT	792000	3.85	612847	8.92	319225	12.98
03	TRIP BLANK	777423	3.85	609861	8.93	314186	12.98
04	STORAGE BLANK	770614	3.85	617913	8.93	312918	12.98
05	EXCAVATION BOT	732100	3.85	584943	8.93	298516	12.98
06	EXCAVATION BOT	739654	3.85	576375	8.93	293875	12.98
07	MBS01	728187	3.84	579928	8.92	291363	12.99

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

Buck Environmental Laboratory
Method Detection Limit Summary Report
Method: E.P.A. 8260 Volatiles
Instrument: MSD #3
Matrix: Water

Compound	
Dichlorodifluoromethane	0.17
Chloromethane	0.26
Vinyl Chloride	0.20
Bromomethane	0.28
Chloroethane	0.29
Trichlorofluoromethane	0.31
1,1-Dichloroethene	0.57
Acetone	0.87
Carbon disulfide	0.12
Methylene Chloride	0.21
trans-1,2-Dichloroethene	0.24
MTBE	0.27
1,1-Dichloroethane	0.36
Vinyl Acetate	0.10
2,2-Dichloropropane	0.40
cis-1,2-Dichloroethene	0.48
2-Butanone	0.99
Bromochloromethane	0.29
Chloroform	0.23
1,1,1-Trichloroethane	0.11
Carbon Tetrachloride	0.22
1,1-Dichloropropene	0.15
Benzene	0.12
1,2-Dichloroethane	0.14
Trichloroethene	0.26
1,2-Dichloropropane	0.25
Dibromomethane	0.24
Bromodichloromethane	0.18
2-Chloroethylvinylether	0.36
cis-1,3-Dichloropropene	0.09
4-Methyl-2-pentanone	0.48
Toluene	0.15
trans-1,3-Dichloropropene	0.15
1,1,2-Trichloroethane	0.13
Tetrachloroethene	0.14
1,3-Dichloropropane	0.16
2-Hexanone	0.42
Dibromochloromethane	0.12
1,2-Dibromoethane	0.23
Chlorobenzene	0.10
1,1,1,2-Tetrachloroethane	0.18
Ethylbenzene	0.06
m&p Xylene	0.18
o-Xylene	0.14
Styrene	0.13
Bromoform	0.13
Isopropylbenzene	0.11
Bromobenzene	0.06
1,1,2,2-Tetrachloroethane	0.10
1,2,3-Trichloropropane	0.27
n-Propylbenzene	0.12
2-Chlorotoluene	0.17
4-Chlorotoluene	0.11
1,3,5-Trimethylbenzene	0.10
tert-Butylbenzene	0.11
1,2,4-Trimethylbenzene	0.17
sec-Butylbenzene	0.16
1,3-Dichlorobenzene	0.14
1,4-Dichlorobenzene	0.11
p-Isopropyltoluene	0.07
1,2-Dichlorobenzene	0.11
n-Butylbenzene	0.16
1,2-Dibromo-3-chloropropane	0.35
1,2,4-Trichlorobenzene	0.16
Hexachlorobutadiene	0.24
Naphthalene	0.12
1,2,3-Trichlorobenzene	0.16

ANALYZED: 1/5/06
ANALYST: Chassidy Pierce
INSTRUMENT: MSD3

MDL #1 1501015.d
MDL #2 1601016.d
MDL #3 1701017.d
MDL #4 1801018.d
MDL #5 1901019.d
MDL #6 2001020.d
MDL #7 2101021.d
MDL #8 2201022.d

GC/MS

VOLATILE

QUALITY CONTROL SUMMARY

REVIEWED BY: Barbara L Houskamp

BARBARA L. HOUSKAMP

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Buck Environmental Labs, Inc. Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

	EPA SAMPLE NO.	SMC1 (DBF) #	SMC2 (TOL) #	SMC3 (BFB) #	SMC4 (DCE) #	TOT OUT
01	VBLK01	100	98	100	100	0
02	EXCAVATION BOTTO	98	98	100	100	0
03	TRIP BLANK	98	100	100	102	0
04	STORAGE BLANK	102	100	100	102	0
05	EXCAVATION BOTTO	100	98	100	102	0
06	EXCAVATION BOTTO	98	102	100	104	0
07	MBS01	102	100	100	104	0

		QC Limit
SMC 1 (DBF)	= Dibromofluoromethane	(76-114)
SMC 2 (TOL)	= Toluene-d8	(88-110)
SMC 3 (BFB)	= 4-Bromofluorobenzene	(86-115)
SMC 4 (DCE)	= 1,2-Dichloroethane-d4	(79-118)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM II VOA-1

OLM04.2

07

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Buck Environmental Labs, Contract: Z_TEETER_ENV

Lab Code: 10795 Case No.: _____ SAS No.: _____ SDG No.: BEL0633

Matrix Spike - EPA Sample No.: EXCAVATION BOTTOM

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC #	QC. LIMITS REC.
Benzene	50	0	57	114	76-127
Chlorobenzene	50	0	53	106	75-130
1,1-Dichloroethene	50	0	59	118	61-145
Toluene	50	2	59	114	76-125
Trichloroethene	50	0	54	108	71-120

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	50	55	110	4	11	76-127
Chlorobenzene	50	53	106	0	13	75-130
1,1-Dichloroethene	50	58	116	2	14	61-145
Toluene	50	58	112	2	13	76-125
Trichloroethene	50	52	104	4	14	71-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Lab File ID: A0701007.D Lab Sample ID: VBLK01

Date Analyzed: 09/11/06 Time Analyzed: 17:50

GC Column: J&W,DB6 ID: .18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSD3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CAVATION BOTT	0609055-01A	A0801008.D	18:19
02	TRIP BLANK	0609055-04A	A0901009.D	18:48
03	STORAGE BLANK	0609055-05A	A1001010.D	19:17
04	AVATION BOTTOM	0609055-02A	A2001020.D	0:06
05	VATION BOTTOM -	0609055-03A	A2101021.D	0:35
06	MBS01	MBS01	A2201022.D	1:04

COMMENTS: _____

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Lab File ID: TUNE02.D BFB Injection Date: 09/11/06

Instrument ID: MSD3 BFB Injection Time: 14:41

GC Column: J&W,DB6 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15 - 40 percent of mass 95	15.4
75	30 - 60 percent of mass 95	39.0
95	Base peak, 100 percent relative abundance	100.0
96	5.0 - 9.0 percent of mass 95	6.6
173	less than 2.0 percent of mass 174	0.0 (0.0) 1
174	>50 percent of mass 95	76.5
175	5.0 - 9.0 percent of mass 174	5.5 (7.2) 1
176	95 - 101 percent of mass 174	74.7 (97.6) 1
177	5.0 - 9.0 percent of mass 176	4.9 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	VSTD200	A0201002.D	09/11/06	15:25
02	VSTD100	VSTD100	A0301003.D	09/11/06	15:54
03	VSTD050	VSTD050	A0401004.D	09/11/06	16:23
04	VSTD020	VSTD020	A0501005.D	09/11/06	16:52
05	VSTD005	VSTD005	A0601006.D	09/11/06	17:21
06	VBLK01	VBLK01	A0701007.D	09/11/06	17:50
07	XCAVATION BOTTO	0609055-01A	A0801008.D	09/11/06	18:19
08	TRIP BLANK	0609055-04A	A0901009.D	09/11/06	18:48
09	STORAGE BLANK	0609055-05A	A1001010.D	09/11/06	19:17
10	AVATION BOTTOM -	0609055-02A	A2001020.D	09/12/06	0:06
11	AVATION BOTTOM -	0609055-03A	A2101021.D	09/12/06	0:35
12	MBS01	MBS01	A2201022.D	09/12/06	1:04

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Lab File ID (Standard): A0401004.D Date Analyzed: 09/11/06

EPA Sample No. (VSTD050##): VSTD050 Time Analyzed: 16:23

Instrument ID: MSD3 Heated Purge: (Y/N) N

GC Column: J&W,DB6 ID: .18 (mm)

		IS1 (FBZ) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	809952	3.85	631197	8.92	329828	12.98
	UPPER LIMIT	1619904	4.35	1262394	9.42	659656	13.48
	LOWER LIMIT	404976	3.35	315599	8.42	164914	12.48
	EPA SAMPLE						
01	VBLK01	787300	3.85	628781	8.93	324026	12.98
02	EXCAVATION BOT	792000	3.85	612847	8.92	319225	12.98
03	TRIP BLANK	777423	3.85	609861	8.93	314186	12.98
04	STORAGE BLANK	770614	3.85	617913	8.93	312918	12.98
05	EXCAVATION BOT	732100	3.85	584943	8.93	298516	12.98
06	EXCAVATION BOT	739654	3.85	576375	8.93	293875	12.98
07	MBS01	728187	3.84	579928	8.92	291363	12.99

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

Buck Environmental Laboratory
Method Detection Limit Summary Report
Method: E.P.A. 8260 Volatiles
Instrument: MSD #3
Matrix: Water

Compound	
Dichlorodifluoromethane	0.17
Chloromethane	0.26
Vinyl Chloride	0.20
Bromomethane	0.28
Chloroethane	0.29
Trichlorofluoromethane	0.31
1,1-Dichloroethene	0.57
Acetone	0.87
Carbon disulfide	0.12
Methylene Chloride	0.21
trans-1,2-Dichloroethene	0.24
MTBE	0.27
1,1-Dichloroethane	0.36
Vinyl Acetate	0.10
2,2-Dichloropropane	0.40
cis-1,2-Dichloroethene	0.48
2-Butanone	0.99
Bromochloromethane	0.29
Chloroform	0.23
1,1,1-Trichloroethane	0.11
Carbon Tetrachloride	0.22
1,1-Dichloropropene	0.15
Benzene	0.12
1,2-Dichloroethane	0.14
Trichloroethene	0.26
1,2-Dichloropropane	0.25
Dibromomethane	0.24
Bromodichloromethane	0.18
2-Chloroethylvinylether	0.36
cis-1,3-Dichloropropene	0.09
4-Methyl-2-pentanone	0.48
Toluene	0.15
trans-1,3-Dichloropropene	0.15
1,1,2-Trichloroethane	0.13
Tetrachloroethene	0.14
1,3-Dichloropropane	0.16
2-Hexanone	0.42
Dibromochloromethane	0.12
1,2-Dibromoethane	0.23
Chlorobenzene	0.10
1,1,1,2-Tetrachloroethane	0.18
Ethylbenzene	0.06
m&p Xylene	0.18
o-Xylene	0.14
Styrene	0.13
Bromoform	0.13
Isopropylbenzene	0.11
Bromobenzene	0.06
1,1,2,2-Tetrachloroethane	0.10
1,2,3-Trichloropropane	0.27
n-Propylbenzene	0.12
2-Chlorotoluene	0.17
4-Chlorotoluene	0.11
1,3,5-Trimethylbenzene	0.10
tert-Butylbenzene	0.11
1,2,4-Trimethylbenzene	0.17
sec-Butylbenzene	0.16
1,3-Dichlorobenzene	0.14
1,4-Dichlorobenzene	0.11
p-Isopropyltoluene	0.07
1,2-Dichlorobenzene	0.11
n-Butylbenzene	0.16
1,2-Dibromo-3-chloropropane	0.35
1,2,4-Trichlorobenzene	0.16
Hexachlorobutadiene	0.24
Naphthalene	0.12
1,2,3-Trichlorobenzene	0.16

ANALYZED: 1/5/06
ANALYST: Chassidy Pierce
INSTRUMENT: MSD3

MDL #1 1501015.d
MDL #2 1601016.d
MDL #3 1701017.d
MDL #4 1801018.d
MDL #5 1901019.d
MDL #6 2001020.d
MDL #7 2101021.d
MDL #8 2201022.d

GC/MS

VOLATILE

SAMPLE DATA

REVIEWED BY: Barbara L. Houskamp

BARBARA L. HOUSKAMP

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0801008.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
78-93-3	2-Butanone	25	U
110-75-8	2-Chloroethyl vinyl ether	10	U
591-78-6	2-Hexanone	25	U
67-64-1	Acetone	25	U
71-43-2	Benzene	10	U
75-15-0	Carbon disulfide	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-05-4	Vinyl acetate	10	U
108-86-1	Bromobenzene	10	U
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
95-49-8	2-Chlorotoluene	10	U
106-43-4	4-Chlorotoluene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
74-95-3	Dibromomethane	10	U
95-50-1	1,2-Dichlorobenzene	50	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	3	J
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0801008.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	4	J
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	2	J
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXCAVATION BOTTOM

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0801008.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

1F

EPA SAMPLE NO.

EXCAVATION BOTTOM

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0801008.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.000124-38-9	Carbon dioxide	0.60	43	BNJ

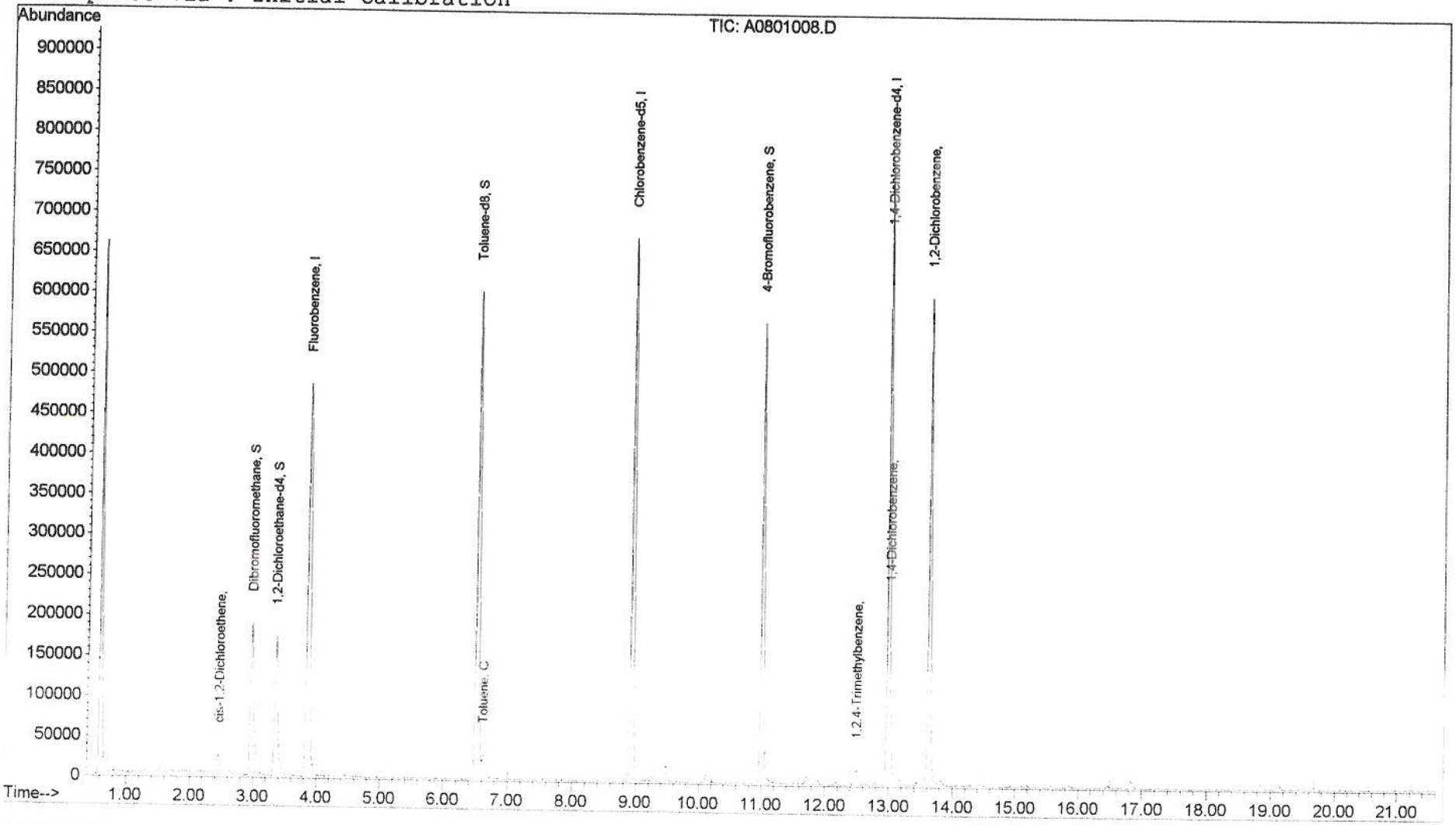
Quantitation Report

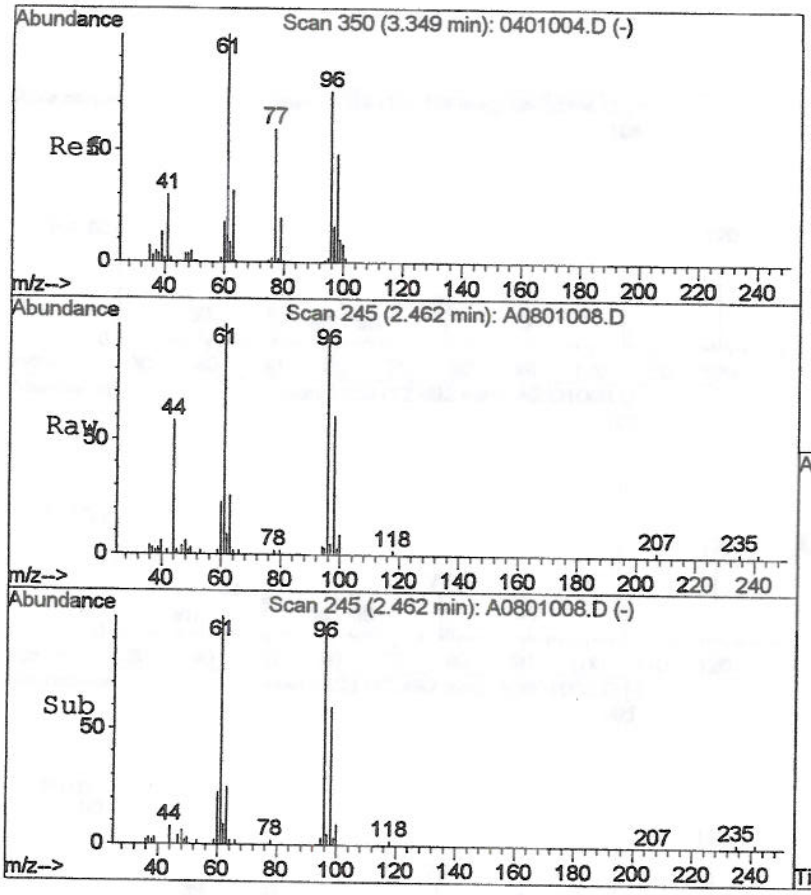
Data File : C:\HPCHEM\3\DATA\911V06\A0801008.D
Acq On : 11 Sep 2006 6:19 pm
Sample : 0609055-01A
Misc : SAMP M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 11:14 2006

Vial: 8
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration

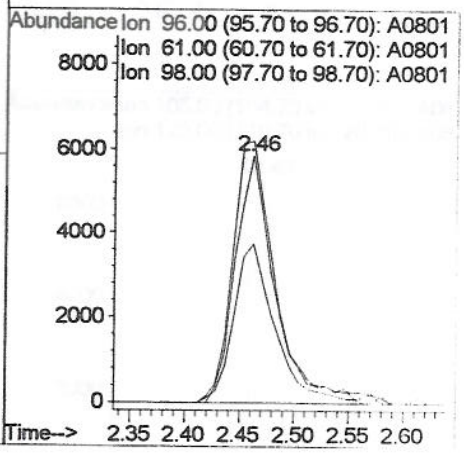


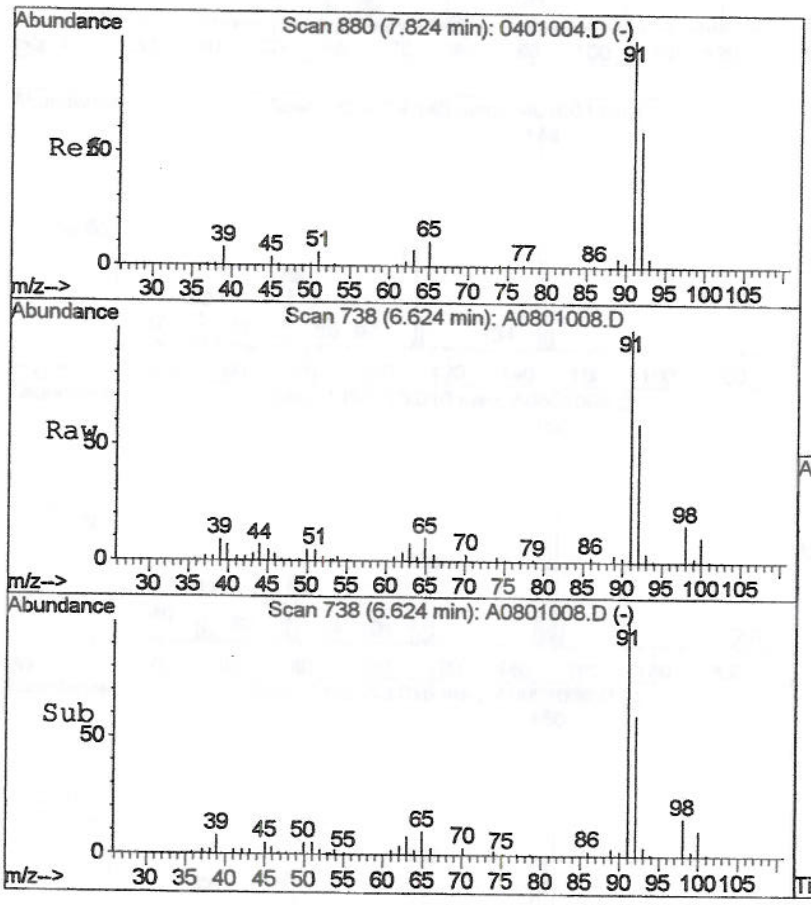


#18
cis-1,2-Dichloroethene
Concen: 3.80 ug/l
RT: 2.46 min Scan# 245
Delta R.T. 0.01 min
Lab File: A0801008.D
Acq: 11 Sep 2006 6:19 pm

Tgt Ion: 96 Resp: 14773

Ion	Ratio	Lower	Upper
96	100		
61	105.7	98.1	138.1
98	63.9	44.6	84.6

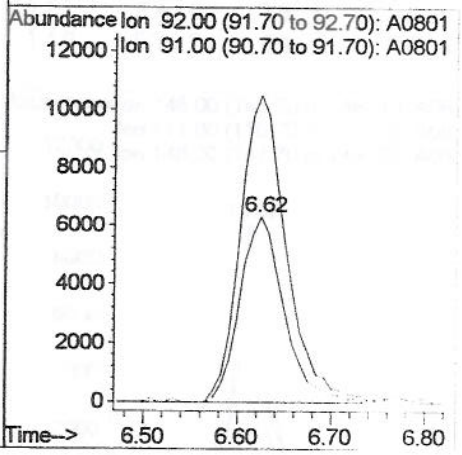




#39
Toluene
Concen: 2.01 ug/l
RT: 6.62 min Scan# 738
Delta R.T. 0.01 min
Lab File: A0801008.D
Acq: 11 Sep 2006 6:19 pm

Tgt Ion: 92 Resp: 20455

Ion	Ratio	Lower	Upper
92	100		
91	166.8	152.0	192.0



Library Search Compound Report

Data File : C:\HPCHEM\3\DATA\911V06\A0801008.D
Acq On : 11 Sep 2006 6:19 pm
Sample : 0609055-01A
Misc : SAMP M8260ASPL
MS Integration Params: LSCINT.P

Vial: 8
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

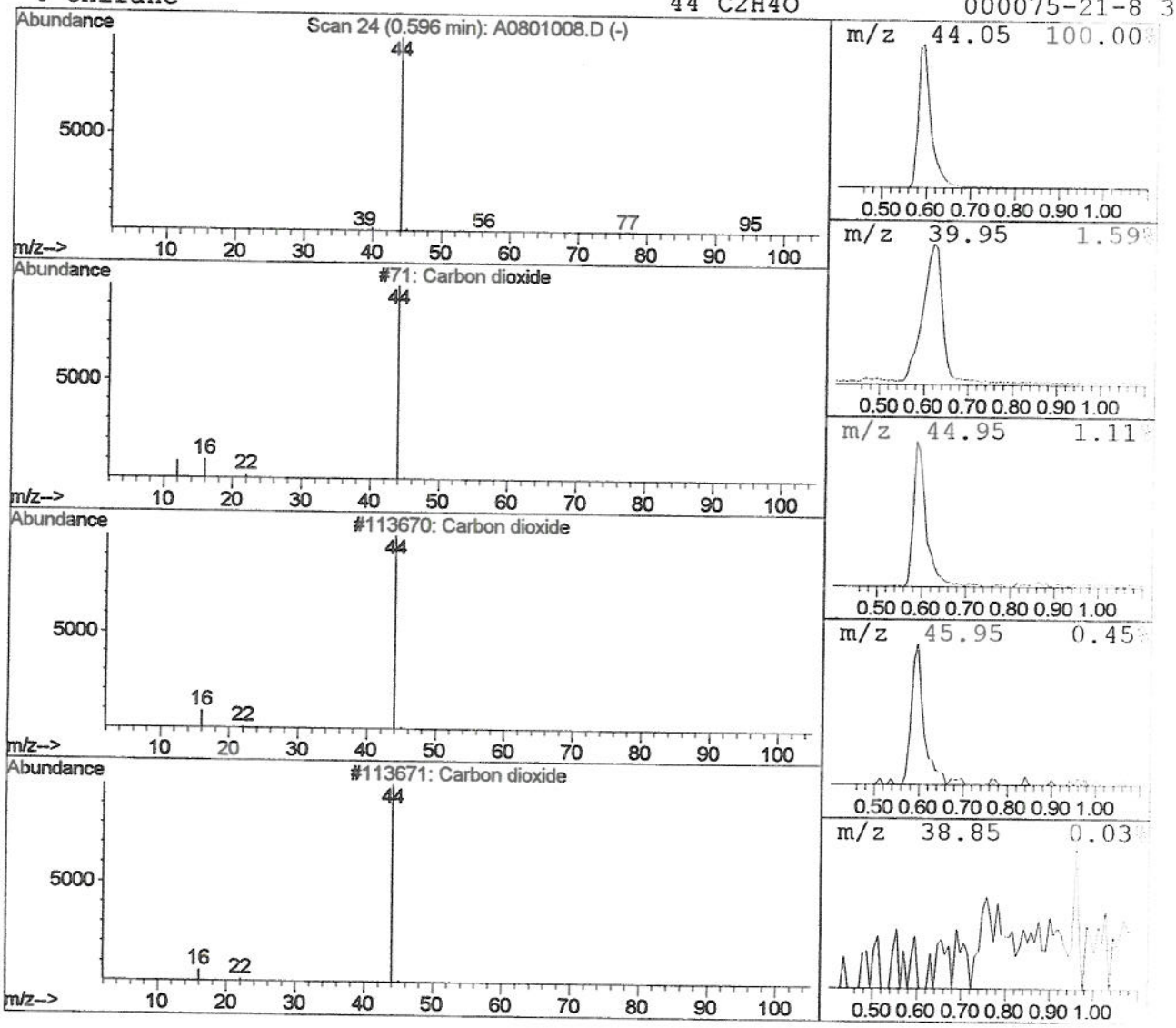
Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Library : C:\DATABASE\WILEY.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.60	43.48 ug/l	1350980	Fluorobenzene	3.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Carbon dioxide	44	CO2	000124-38-9	4
4	Oxirane	44	C2H4O	000075-21-8	3



0 23

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

STORAGE BLANK

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A1001010.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
78-93-3	2-Butanone	25	U
110-75-8	2-Chloroethyl vinyl ether	10	U
591-78-6	2-Hexanone	25	U
67-64-1	Acetone	25	U
71-43-2	Benzene	10	U
75-15-0	Carbon disulfide	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-05-4	Vinyl acetate	10	U
108-86-1	Bromobenzene	10	U
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
95-49-8	2-Chlorotoluene	10	U
106-43-4	4-Chlorotoluene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
74-95-3	Dibromomethane	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

STORAGE BLANK

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A1001010.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

STORAGE BLANK

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A1001010.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

1F

EPA SAMPLE NO.

STORAGE BLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A1001010.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000124-38-9	Carbon dioxide	0.59	55	BNJ

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A1001010.D
Acq On : 11 Sep 2006 7:17 pm
Sample : 0609055-05A
Misc : SAMP M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 11:20 2006

Vial: 10
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.85	96	770614	50.00	ug/l	0.00
35) Chlorobenzene-d5	8.93	117	617913	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.98	152	312918	50.00	ug/l	0.00
System Monitoring Compounds						
23) Dibromofluoromethane	2.97	113	202970	50.68	ug/l	0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 101.36%			
24) 1,2-Dichloroethane-d4	3.35	65	182413	51.14	ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 102.28%			
38) Toluene-d8	6.51	98	741781	49.74	ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 99.48%			
56) 4-Bromofluorobenzene	11.00	174	250954	50.19	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 100.38%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

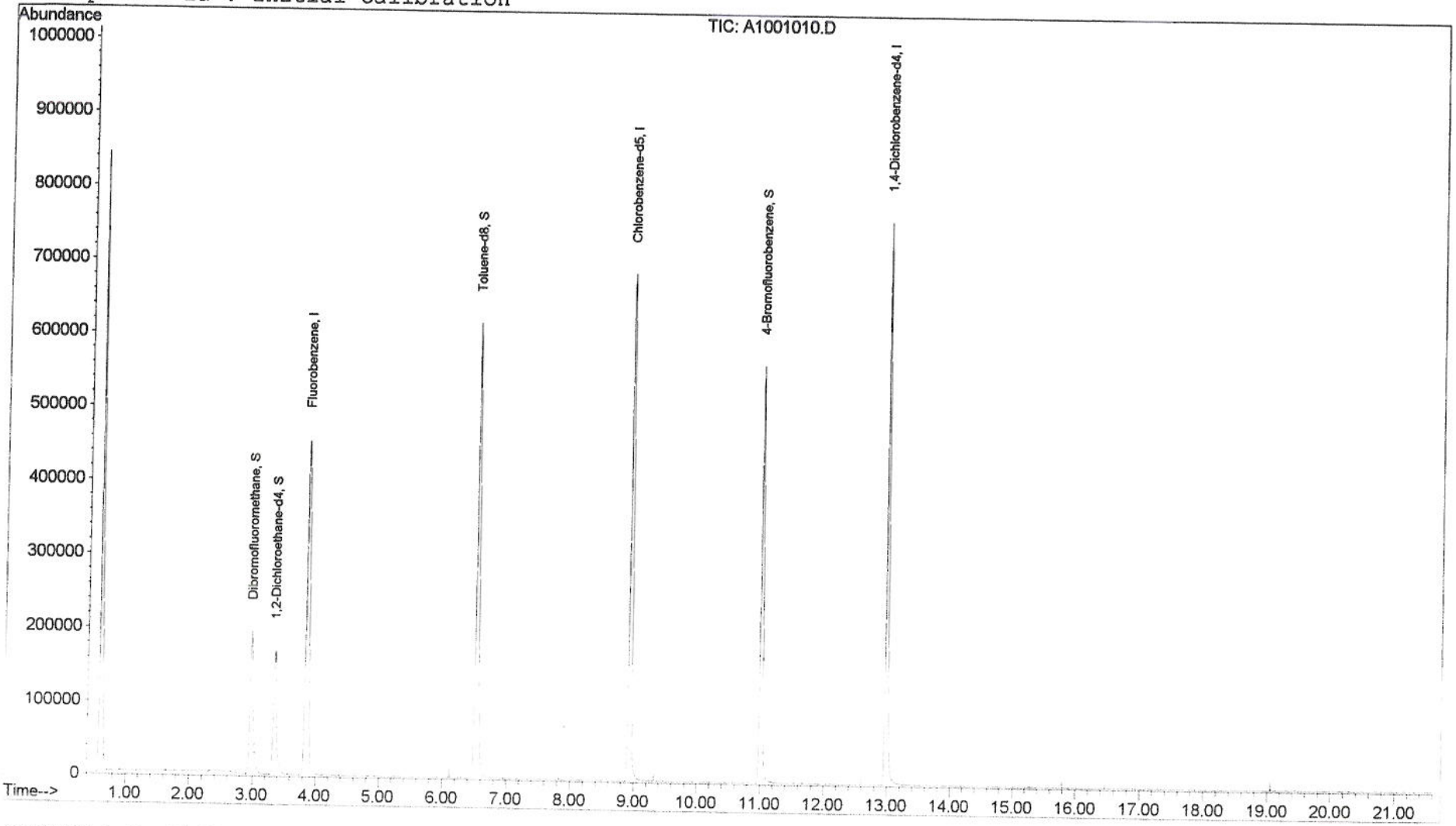
Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A1001010.D
Acq On : 11 Sep 2006 7:17 pm
Sample : 0609055-05A
Misc : SAMP M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 11:20 2006

Vial: 10
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



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Library Search Compound Report

Data File : C:\HPCHEM\3\DATA\911V06\A1001010.D
Acq On : 11 Sep 2006 7:17 pm
Sample : 0609055-05A
Misc : SAMP M8260ASPL
MS Integration Params: LSCINT.P

Vial: 10
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

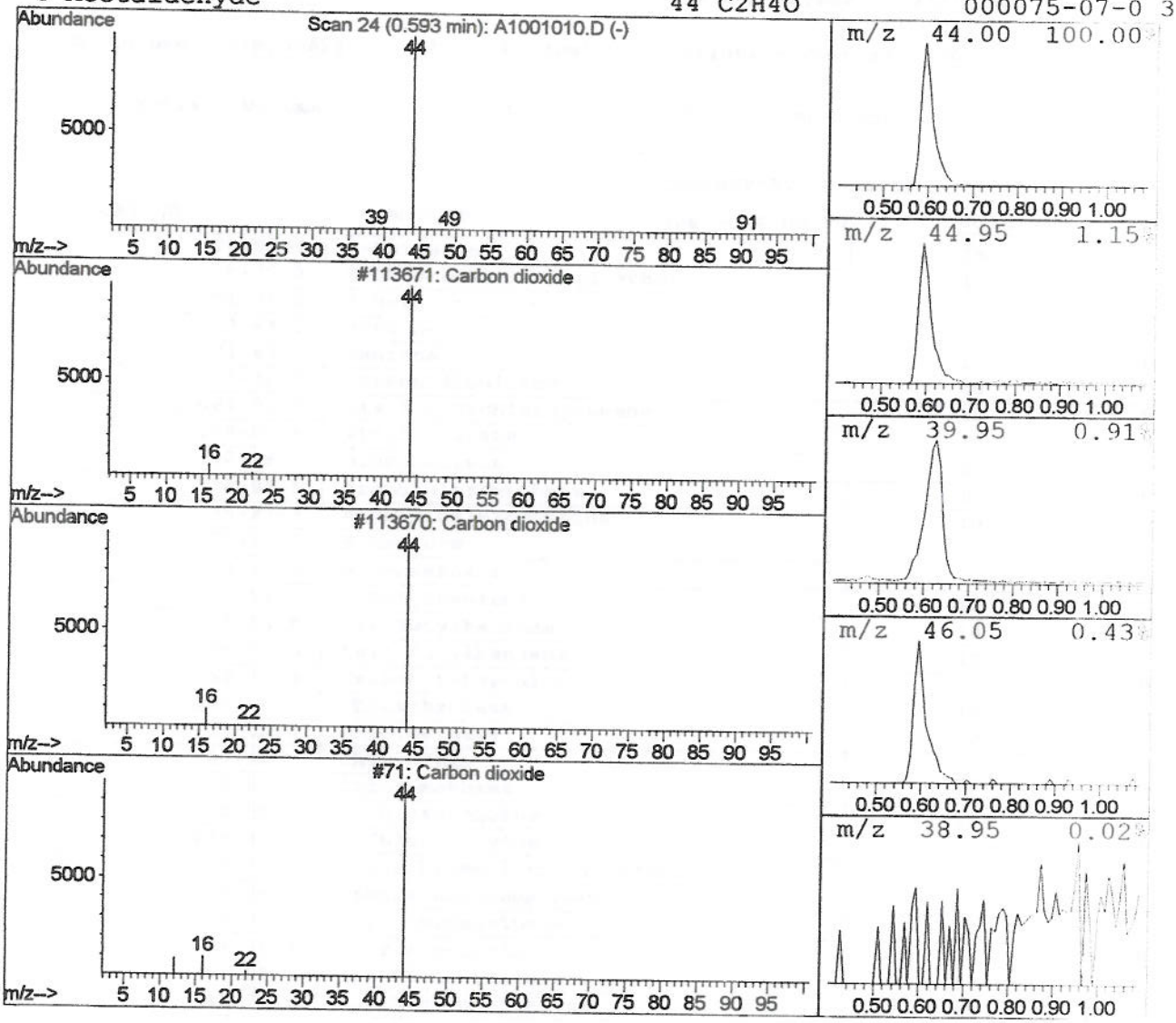
Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Library : C:\DATABASE\WILEY.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.59	55.09 ug/l	1688950	Fluorobenzene	3.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Carbon dioxide	44	CO2	000124-38-9	4
4	Acetaldehyde	44	C2H4O	000075-07-0	3



1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0901009.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
142-28-9	1,3-Dichloropropane	10	U
594-20-7	2,2-Dichloropropane	10	U
563-58-6	1,1-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
100-41-4	Ethylbenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl tert-butyl ether	10	U
91-20-3	Naphthalene	10	U
103-65-1	n-Propylbenzene	10	U
100-42-5	Styrene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
75-69-4	Trichlorofluoromethane	10	U
96-18-4	1,2,3-Trichloropropane	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
108-67-8	1,3,5-Trimethylbenzene	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Buck Environmental Labs, Inc Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0901009.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-01-4	Vinyl chloride	10	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	10	U

1F

EPA SAMPLE NO.

TRIP BLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0633

Matrix: (soil/water) WATER Lab Sample ID: 0609055-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A0901009.D

Level: (low/med) LOW Date Received: 09/08/06

% Moisture: not dec. Date Analyzed: 09/11/06

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.000124-38-9	Carbon dioxide	0.59	14	BNJ

Library Search Compound Report

Data File : C:\HPCHEM\3\DATA\911V06\A0901009.D
Acq On : 11 Sep 2006 6:48 pm
Sample : 0609055-04A
Misc : SAMP M8260ASPL
MS Integration Params: LSCINT.P

Vial: 9
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

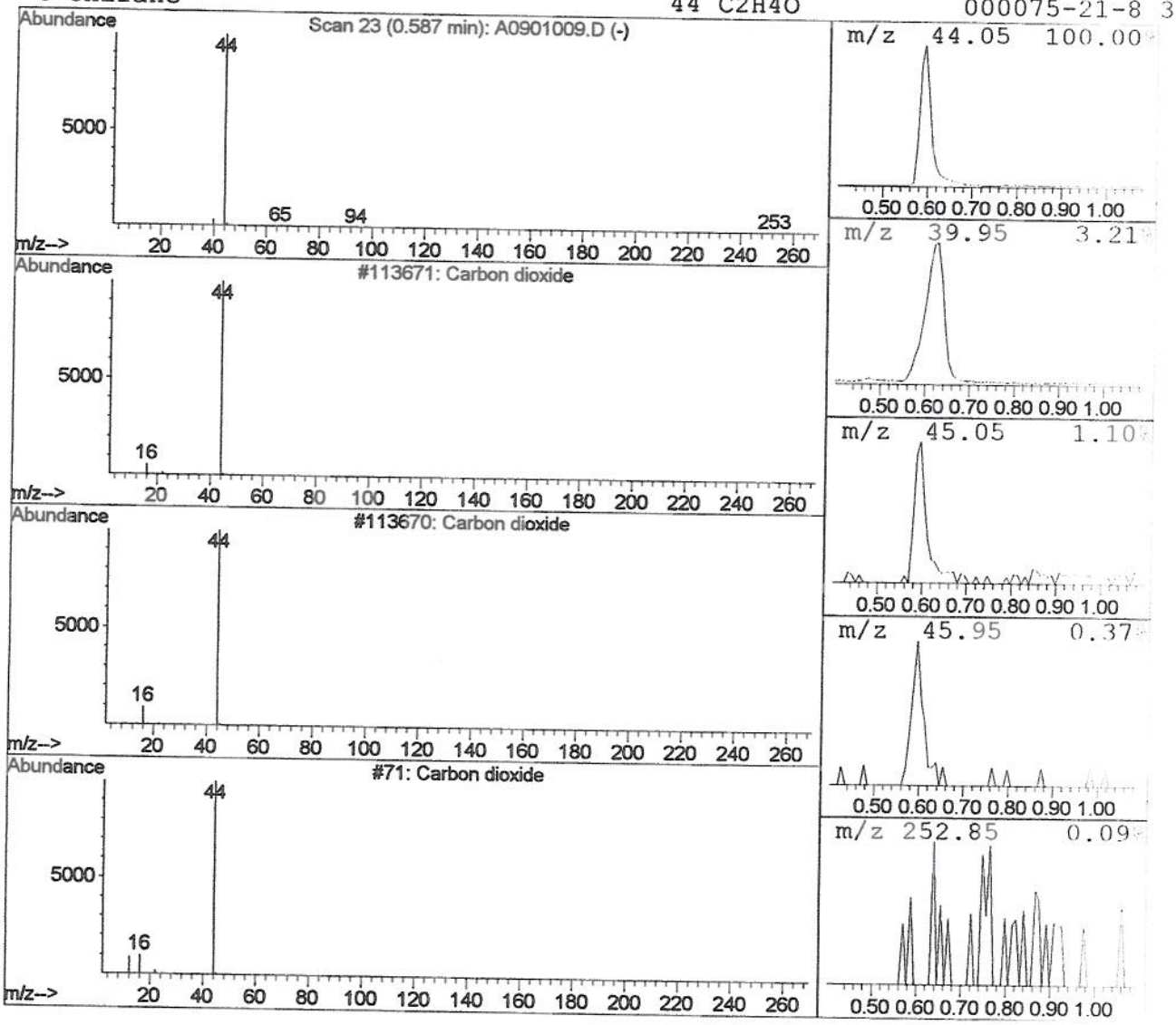
Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Library : C:\DATABASE\WILEY.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.59	13.63 ug/l	416872	Fluorobenzene	3.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Carbon dioxide	44	CO2	000124-38-9	4
4	Oxirane	44	C2H4O	000075-21-8	3



GC/MS

VOLATILE

STANDARDS DATA

REVIEWED BY: Barbara L Houskamp

BARBARA L. HOUSKAMP

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0633

Instrument ID: MSD3 Calibration Date(s): 09/11/06 09/11/06

Heated Purge: (Y/N) N Calibration Times: 15:25 17:21

GC Column: J&W,DB624 ID: .18 (mm)

LAB FILE ID: VSTD005 A0601006.D VSTD020 A0501005.D
VSTD050 A0401004.D VSTD100 A0301003.D VSTD200 A0201002.D

COMPOUND		STD00	STD02	STD05	STD10	STD20	RRF	% RSD	
2-Butanone		0.142	0.125	0.121	0.115	0.116	0.124	8.8	
2-Chloroethyl vinyl ether		0.205	0.209	0.227	0.231	0.230	0.220	5.7	
2-Hexanone		0.302	0.319	0.327	0.317	0.313	0.316	2.8	
Acetone		0.084	0.073	0.071	0.069	0.067	0.073	8.9	
Benzene	*	1.116	1.118	1.120	1.125	1.099	1.115	0.9	*
Carbon disulfide		0.659	0.686	0.705	0.714	0.680	0.689	3.1	
cis-1,3-Dichloropropene	*	0.425	0.448	0.462	0.472	0.472	0.456	4.4	*
Vinyl acetate		0.564	0.537	0.542	0.537	0.530	0.542	2.4	
Bromobenzene		0.719	0.686	0.709	0.704	0.706	0.705	1.7	
Bromochloromethane		0.141	0.137	0.139	0.141	0.139	0.139	1.4	
Bromodichloromethane	*	0.321	0.329	0.336	0.343	0.341	0.334	2.7	*
Bromoform	*	0.246	0.264	0.289	0.298	0.309	0.281	9.2	*
Bromomethane	*	0.216	0.207	0.183	0.153	0.000	0.190	14.8	*
n-Butylbenzene		1.999	1.966	1.993	1.950	1.892	1.960	2.2	
sec-Butylbenzene		2.489	2.424	2.549	2.447	2.460	2.474	2.0	
tert-Butylbenzene		1.484	1.500	1.542	1.506	1.504	1.507	1.4	
Carbon tetrachloride	*	0.231	0.252	0.272	0.273	0.275	0.261	7.3	*
Chlorobenzene	*	0.904	0.891	0.916	0.911	0.895	0.903	1.1	*
Chloroethane		0.128	0.129	0.120	0.111	0.000	0.122	6.6	
Chloroform	*	0.443	0.449	0.448	0.432	0.445	0.443	1.5	*
Chloromethane		0.283	0.286	0.287	0.294	0.290	0.288	1.5	
2-Chlorotoluene		0.570	0.565	0.582	0.567	0.564	0.570	1.2	
4-Chlorotoluene		0.604	0.578	0.606	0.598	0.598	0.597	1.9	
1,2-Dibromo-3-chloropropane		0.144	0.149	0.152	0.150	0.148	0.149	2.1	
Dibromochloromethane	*	0.238	0.245	0.261	0.265	0.271	0.256	5.4	*
1,2-Dibromoethane		0.391	0.378	0.403	0.397	0.397	0.393	2.4	
Dibromomethane		0.215	0.201	0.203	0.207	0.206	0.206	2.6	
1,2-Dichlorobenzene	*	1.200	1.176	1.212	1.170	1.202	1.192	1.5	*
1,3-Dichlorobenzene	*	1.209	1.208	1.257	1.224	1.250	1.229	1.9	*
1,4-Dichlorobenzene	*	1.344	1.283	1.277	1.264	1.300	1.294	2.4	*
Dichlorodifluoromethane		0.251	0.278	0.292	0.307	0.303	0.286	8.0	
1,1-Dichloroethane	*	0.359	0.359	0.351	0.351	0.340	0.352	2.2	*
1,2-Dichloroethane	*	0.325	0.317	0.314	0.315	0.308	0.316	1.9	*
1,1-Dichloroethene	*	0.193	0.201	0.207	0.208	0.199	0.202	3.1	*
cis-1,2-Dichloroethene		0.251	0.246	0.247	0.244	0.238	0.245	1.9	
trans-1,2-Dichloroethene		0.228	0.236	0.236	0.237	0.225	0.232	2.4	

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0633

Instrument ID: MSD3 Calibration Date(s): 09/11/06 09/11/06

Heated Purge: (Y/N) N Calibration Times: 15:25 17:21

GC Column: J&W,DB624 ID: .18 (mm)

LAB FILE ID: VSTD005 A0601006.D VSTD020 A0501005.D
VSTD050 A0401004.D VSTD100 A0301003.D VSTD200 A0201002.D

COMPOUND		STD00	STD02	STD05	STD10	STD20	$\overline{RRF}$	% RSD	
1,2-Dichloropropane		0.306	0.307	0.310	0.312	0.304	0.308	1.0	
1,3-Dichloropropane		0.577	0.560	0.575	0.576	0.561	0.570	1.5	
2,2-Dichloropropane		0.229	0.244	0.247	0.248	0.239	0.241	3.2	
1,1-Dichloropropene		0.336	0.349	0.365	0.361	0.353	0.353	3.2	
trans-1,3-Dichloropropene	*	0.474	0.483	0.514	0.516	0.513	0.500	3.9	*
Ethylbenzene	*	0.418	0.434	0.445	0.442	0.432	0.434	2.4	*
Hexachlorobutadiene		0.400	0.317	0.314	0.298	0.251	0.316	17.1	
Isopropylbenzene		2.298	2.370	2.472	2.379	2.394	2.383	2.6	
4-Isopropyltoluene		1.874	1.847	1.943	1.928	1.892	1.897	2.1	
Methylene chloride		0.236	0.226	0.224	0.220	0.214	0.224	3.5	
4-Methyl-2-pentanone		0.468	0.452	0.457	0.441	0.436	0.451	2.9	
Methyl tert-butyl ether		0.594	0.582	0.576	0.576	0.552	0.576	2.7	
Naphthalene		2.467	2.385	2.456	2.417	2.322	2.409	2.4	
n-Propylbenzene		0.601	0.614	0.640	0.615	0.614	0.617	2.3	
Styrene	*	0.938	0.941	0.993	1.007	0.992	0.974	3.3	*
1,1,1,2-Tetrachloroethane		0.264	0.264	0.277	0.282	0.281	0.274	3.4	
1,1,2,2-Tetrachloroethane	*	1.078	1.050	1.074	1.025	1.023	1.050	2.5	*
Tetrachloroethene	*	0.248	0.255	0.271	0.270	0.271	0.263	4.0	*
Toluene	*	0.824	0.819	0.840	0.842	0.816	0.828	1.5	*
1,2,3-Trichlorobenzene		0.872	0.815	0.820	0.813	0.793	0.823	3.6	
1,1,1-Trichloroethane	*	0.307	0.317	0.334	0.337	0.336	0.326	4.1	*
1,1,2-Trichloroethane	*	0.348	0.352	0.365	0.354	0.357	0.355	1.7	*
Trichloroethene	*	0.255	0.258	0.265	0.267	0.266	0.262	2.1	*
1,2,4-Trichlorobenzene	*	0.874	0.829	0.837	0.826	0.827	0.839	2.4	*
Trichlorofluoromethane		0.288	0.310	0.328	0.327	0.314	0.313	5.2	
1,2,3-Trichloropropane		0.797	0.737	0.750	0.714	0.714	0.743	4.6	
1,2,4-Trimethylbenzene		2.039	2.022	2.090	2.026	2.007	2.037	1.6	
1,3,5-Trimethylbenzene		1.954	1.961	2.029	1.989	1.959	1.978	1.6	
Vinyl chloride	*	0.261	0.262	0.268	0.274	0.266	0.266	2.0	*
m,p-Xylene	*	0.524	0.536	0.553	0.547	0.541	0.540	2.0	*
o-Xylene	*	0.522	0.517	0.540	0.540	0.530	0.530	2.0	*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Buck Environmental Labs, In Contract: Z TEETER ENV

Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0633

Instrument ID: MSD3 Calibration Date(s): 09/11/06 09/11/06

Heated Purge: (Y/N) N Calibration Times: 15:25 17:21

GC Column: J&W,DB624 ID: .18 (mm)

LAB FILE ID: VSTD005 A0601006.D VSTD020 A0501005.D
VSTD050 A0401004.D VSTD100 A0301003.D VSTD200 A0201002.D

COMPOUND	STD00	STD02	STD05	STD10	STD20	$\overline{RRF}$	% RSD
Dibromofluoromethane	0.260	0.261	0.257	0.260	0.261	0.260	0.7
Toluene-d8	1.178	1.197	1.218	1.219	1.221	1.207	1.5
4-Bromofluorobenzene	0.793	0.813	0.809	0.787	0.792	0.799	1.4
1,2-Dichloroethane-d4	0.234	0.239	0.245	0.221	0.217	0.231	5.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0201002.D
Acq On : 11 Sep 2006 3:25 pm
Sample : VSTD200
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 11 16:50 2006

Vial: 2
Operator: CMP
Inst : MSD#3
Multiplr: 1.00
Quant Results File: 8260-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Mon Sep 11 16:49:14 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.85	96	802869	50.00	ug/l	0.00
35) Chlorobenzene-d5	8.92	117	634500	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.99	152	335920	50.00	ug/l	0.00
System Monitoring Compounds						
23) Dibromofluoromethane	2.96	113	209883	50.92	ug/l	0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 101.84%			
24) 1,2-Dichloroethane-d4	3.35	65	174430	44.31	ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 88.62%			
38) Toluene-d8	6.52	98	774736	50.10	ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 100.20%			
56) 4-Bromofluorobenzene	11.00	174	266007	48.92	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 97.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.66	85	972999	207.46	ug/l	99
3) Chloromethane	0.75	50	930467	201.63	ug/l	99
4) Vinyl Chloride	0.77	62	854950	198.51	ug/l	100
7) Trichlorofluoromethane	1.05	101	1008278	191.47	ug/l	99
8) 1,1-Dichloroethene	1.28	96	637762	191.92	ug/l	97
10) Acetone	1.32	43	534702	466.21	ug/l	99
11) Carbon disulfide	1.38	76	2184956	193.08	ug/l	99
12) Methylene Chloride	1.53	84	687998	191.05	ug/l	98
13) trans-1,2-Dichloroethene	1.70	96	721976	190.91	ug/l	99
14) MTBE	1.71	73	1771429	191.42	ug/l	100
15) 1,1-Dichloroethane	1.98	63	1092601	194.04	ug/l	99
16) Vinyl Acetate	2.04	43	1700902	195.28	ug/l	99
17) 2,2-Dichloropropane	2.45	77	767958	193.77	ug/l	99
18) cis-1,2-Dichloroethene	2.46	96	764695	192.70	ug/l	99
19) 2-Butanone	2.51	43	927360	477.03	ug/l	99
20) Bromochloromethane	2.68	128	445828	200.19	ug/l	94
21) Chloroform	2.79	83	1430065	198.67	ug/l	97
22) 1,1,1-Trichloroethane	2.96	97	1078701	201.04	ug/l	99
25) Carbon Tetrachloride	3.15	119	882148	202.35	ug/l	97
26) 1,1-Dichloropropene	3.16	75	1135196	193.85	ug/l	99
27) Benzene	3.41	78	3530159	196.32	ug/l	100
28) 1,2-Dichloroethane	3.45	62	989866	196.09	ug/l	100
30) Trichloroethene	4.45	130	853908	201.01	ug/l	96
31) 1,2-Dichloropropane	4.79	63	976803	196.29	ug/l	100
32) Dibromomethane	4.98	93	660651	203.13	ug/l	99
33) Bromodichloromethane	5.32	83	1094194	202.82	ug/l	100

(#) = qualifier out of range (m) = manual integration

CMP

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0201002.D
Acq On : 11 Sep 2006 3:25 pm
Sample : VSTD200
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 11 16:50 2006

Vial: 2
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Mon Sep 11 16:49:14 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34) 2-Chloroethylvinylether	5.97	63	739010	202.66 ug/l	97
36) cis-1,3-Dichloropropene	6.10	75	1515743	201.31 ug/l	99
37) 4-Methyl-2-pentanone	6.47	43	2763452	476.03 ug/l	99
39) Toluene	6.62	92	2070050	194.20 ug/l	98
40) trans-1,3-Dichloropropene	7.10	75	1302715	199.85 ug/l	100
41) 1,1,2-Trichloroethane	7.37	97	905377	195.59 ug/l	99
42) Tetrachloroethene	7.52	164	688417	200.32 ug/l	96
43) 1,3-Dichloropropane	7.62	76	1422752	195.05 ug/l	100
44) 2-Hexanone	7.94	43	1986247	479.30 ug/l	98
45) Dibromochloromethane	7.98	127	687779	207.90 ug/l	99
46) 1,2-Dibromoethane	8.07	107	1008225	197.00 ug/l	100
47) Chlorobenzene	8.98	112	2271813	195.54 ug/l	99
48) 1,1,1,2-Tetrachloroethane	9.17	131	713748	203.24 ug/l	99
49) Ethylbenzene	9.25	106	1095870	194.07 ug/l	100
50) m&p Xylene	9.47	106	2748503	391.99 ug/l	100
51) o-Xylene	10.12	106	1346143	196.50 ug/l	97
52) Styrene	10.17	104	2517295	199.78 ug/l	100
53) Bromoform	10.38	173	785376	214.00 ug/l	99
55) Isopropylbenzene	10.81	105	3217003	193.74 ug/l	99
57) Bromobenzene	11.17	156	948002	198.90 ug/l #	85
58) 1,1,2,2-Tetrachloroethane	11.40	83	1375240	190.65 ug/l	98
59) 1,2,3-Trichloropropane	11.37	75	959528	190.45 ug/l	100
60) n-Propylbenzene	11.53	120	824384	191.86 ug/l	95
61) 2-Chlorotoluene	11.57	126	758066	193.97 ug/l	96
62) 4-Chlorotoluene	11.78	126	803360	197.30 ug/l	100
63) 1,3,5-Trimethylbenzene	11.88	105	2631825	193.04 ug/l	100
64) tert-Butylbenzene	12.40	119	2021017	195.13 ug/l	97
65) 1,2,4-Trimethylbenzene	12.50	105	2696267	192.06 ug/l	97
66) sec-Butylbenzene	12.79	105	3306039	193.03 ug/l	98
67) 1,3-Dichlorobenzene	12.85	146	1679055	198.83 ug/l	98
68) 1,4-Dichlorobenzene	13.02	146	1746500	203.49 ug/l	99
69) p-Isopropyltoluene	13.10	119	2542562	194.73 ug/l	98
70) 1,2-Dichlorobenzene	13.62	146	1614455	198.32 ug/l	99
71) n-Butylbenzene	13.80	91	2542911	189.92 ug/l	99
72) 1,2-Dibromo-3-chloropropan	15.00	75	199035	194.85 ug/l	92
73) 1,2,4-Trichlorobenzene	16.46	180	1111316	197.61 ug/l	99
74) Hexachlorobutadiene	16.86	225	337228	159.66 ug/l	97
75) Naphthalene	16.82	128	3120225	189.11 ug/l	100
76) 1,2,3-Trichlorobenzene	17.27	180	1065936	193.47 ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A0201002.D
Acq On : 11 Sep 2006 3:25 pm
Sample : VSTD200
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 11 16:50 2006

Vial: 2
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration

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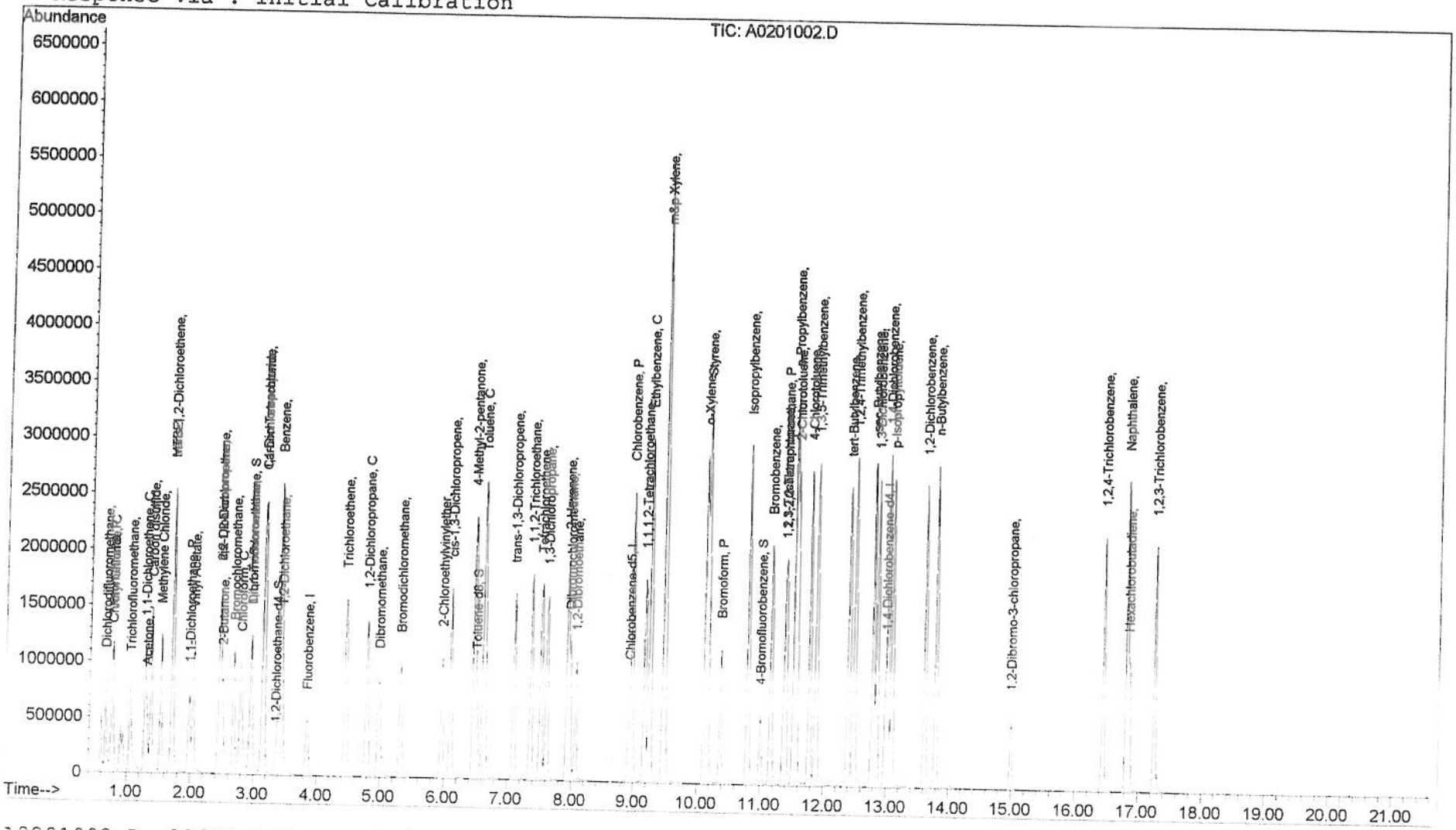


Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0301003.D
Acq On : 11 Sep 2006 3:54 pm
Sample : VSTD100
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 11 16:52 2006

Vial: 3
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Mon Sep 11 16:49:14 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	3.85	96	796509	50.00	ug/l	0.00
35) Chlorobenzene-d5	8.92	117	629720	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.98	152	335740	50.00	ug/l	0.00
System Monitoring Compounds						
23) Dibromofluoromethane	2.97	113	207430	50.26	ug/l	0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 100.52			
24) 1,2-Dichloroethane-d4	3.35	65	176109	47.81	ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 95.62			
38) Toluene-d8	6.52	98	767638	49.97	ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 99.94			
56) 4-Bromofluorobenzene	11.00	174	264294	49.16	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 98.32			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.66	85	489570	103.29	ug/l	100
3) Chloromethane	0.76	50	468586	101.94	ug/l	97
4) Vinyl Chloride	0.77	62	437047	102.67	ug/l	100
5) Bromomethane	0.89	94	243378	83.34	ug/l	99
6) Chloroethane	0.94	64	177616	93.08	ug/l	99
7) Trichlorofluoromethane	1.05	101	521367	101.97	ug/l	99
8) 1,1-Dichloroethene	1.28	96	332060	102.80	ug/l	98
10) Acetone	1.31	43	276551	251.55	ug/l	100
11) Carbon disulfide	1.38	76	1136940	103.05	ug/l	99
12) Methylene Chloride	1.54	84	350083	100.23	ug/l	96
13) trans-1,2-Dichloroethene	1.70	96	377891	103.06	ug/l	98
14) MTBE	1.71	73	918165	102.20	ug/l	100
15) 1,1-Dichloroethane	1.97	63	558782	101.54	ug/l	99
16) Vinyl Acetate	2.04	43	855640	100.20	ug/l	100
17) 2,2-Dichloropropane	2.45	77	394842	102.01	ug/l	99
18) cis-1,2-Dichloroethene	2.46	96	388880	100.62	ug/l	99
19) 2-Butanone	2.51	43	457933	243.02	ug/l	97
20) Bromochloromethane	2.68	128	225078	101.83	ug/l	96
21) Chloroform	2.79	83	687841	96.64	ug/l	99
22) 1,1,1-Trichloroethane	2.95	97	537003	100.62	ug/l	98
25) Carbon Tetrachloride	3.15	119	435364	100.07	ug/l	99
26) 1,1-Dichloropropene	3.16	75	575055	100.53	ug/l	100
27) Benzene	3.41	78	1792246	101.40	ug/l	100
28) 1,2-Dichloroethane	3.45	62	501859	101.20	ug/l	99
30) Trichloroethene	4.45	130	426027	100.83	ug/l	100
31) 1,2-Dichloropropane	4.79	63	497288	101.67	ug/l	99

(#) = qualifier out of range (m) = manual integration

CMP

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0301003.D
Acq On : 11 Sep 2006 3:54 pm
Sample : VSTD100
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 11 16:52 2006

Vial: 3
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Mon Sep 11 16:49:14 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) Dibromomethane	4.98	93	329094	101.20 ug/l	98
33) Bromodichloromethane	5.32	83	547064	101.50 ug/l	99
34) 2-Chloroethylvinylether	5.97	63	367353	100.87 ug/l	98
36) cis-1,3-Dichloropropene	6.10	75	751730	100.27 ug/l	99
37) 4-Methyl-2-pentanone	6.47	43	1387260	246.70 ug/l	100
39) Toluene	6.62	92	1060871	101.76 ug/l	99
40) trans-1,3-Dichloropropene	7.10	75	649387	100.42 ug/l	100
41) 1,1,2-Trichloroethane	7.37	97	446325	98.24 ug/l	98
42) Tetrachloroethene	7.52	164	339666	99.51 ug/l	100
43) 1,3-Dichloropropane	7.61	76	725542	101.48 ug/l	100
44) 2-Hexanone	7.93	43	999018	248.04 ug/l	98
45) Dibromochloromethane	7.98	127	333240	99.53 ug/l	100
46) 1,2-Dibromoethane	8.06	107	499878	99.16 ug/l	99
47) Chlorobenzene	8.97	112	1146891	100.59 ug/l	99
48) 1,1,1,2-Tetrachloroethane	9.17	131	355470	101.17 ug/l	98
49) Ethylbenzene	9.24	106	557014	100.89 ug/l	99
50) m&p Xylene	9.47	106	1376776	199.85 ug/l	99
51) o-Xylene	10.11	106	680578	100.98 ug/l	100
52) Styrene	10.16	104	1268618	101.50 ug/l	100
53) Bromoform	10.38	173	375461	99.60 ug/l	98
55) Isopropylbenzene	10.81	105	1597530	97.79 ug/l	100
57) Bromobenzene	11.16	156	472930	99.55 ug/l	88
58) 1,1,2,2-Tetrachloroethane	11.40	83	687942	97.70 ug/l	98
59) 1,2,3-Trichloropropane	11.37	75	479569	97.57 ug/l	97
60) n-Propylbenzene	11.52	120	413190	98.21 ug/l	98
61) 2-Chlorotoluene	11.57	126	380961	99.02 ug/l	96
62) 4-Chlorotoluene	11.77	126	401682	99.37 ug/l	100
63) 1,3,5-Trimethylbenzene	11.87	105	1335275	99.73 ug/l	98
64) tert-Butylbenzene	12.39	119	1011208	98.89 ug/l	97
65) 1,2,4-Trimethylbenzene	12.49	105	1360667	98.94 ug/l	98
66) sec-Butylbenzene	12.78	105	1643037	97.69 ug/l	98
67) 1,3-Dichlorobenzene	12.85	146	822150	97.69 ug/l	98
68) 1,4-Dichlorobenzene	13.02	146	849059	98.12 ug/l	100
69) p-Isopropyltoluene	13.09	119	1294812	100.55 ug/l	99
70) 1,2-Dichlorobenzene	13.62	146	785898	97.00 ug/l	99
71) n-Butylbenzene	13.80	91	1309661	100.40 ug/l	99
72) 1,2-Dibromo-3-chloropropan	14.99	75	100938	100.16 ug/l	95
73) 1,2,4-Trichlorobenzene	16.45	180	554608	99.26 ug/l	100
74) Hexachlorobutadiene	16.86	225	200138	105.44 ug/l	99
75) Naphthalene	16.82	128	1622696	101.16 ug/l	100
76) 1,2,3-Trichlorobenzene	17.27	180	545697	100.74 ug/l	100

(#) = qualifier out of range (m) = manual integration

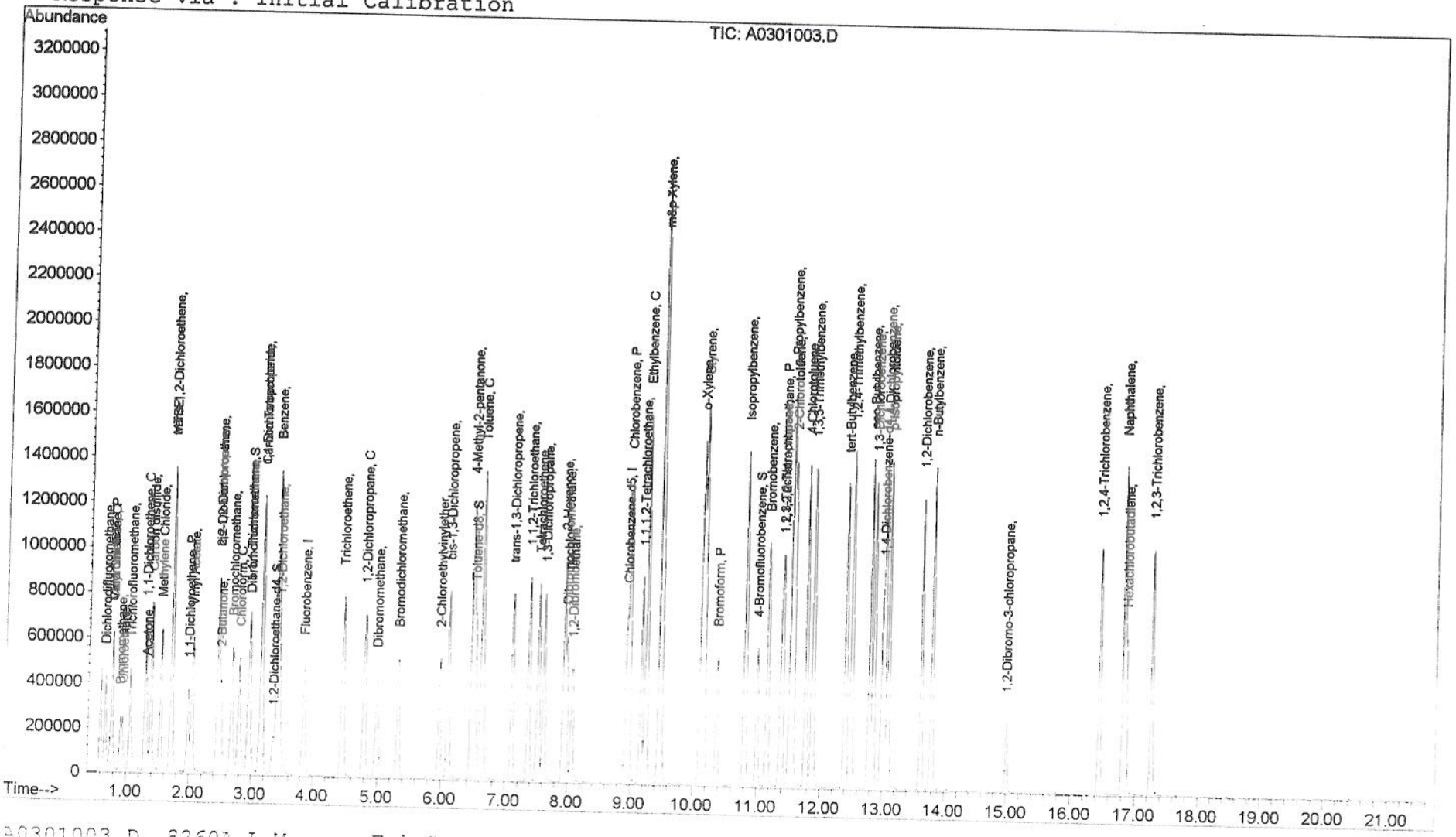
Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A0301003.D
Acq On : 11 Sep 2006 3:54 pm
Sample : VSTD100
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 11 16:52 2006

Vial: 3
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0401004.D
Acq On : 11 Sep 2006 4:23 pm
Sample : VSTD050
Misc : CCV M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 11 16:46 2006

Vial: 4
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Aug 23 13:18:02 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	3.85	96	809952	50.00 ug/l	0.00
35) Chlorobenzene-d5	8.92	117	631197	50.00 ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.98	152	329828	50.00 ug/l	0.00
System Monitoring Compounds					
23) Dibromofluoromethane	2.96	113	207929	52.60 ug/l	0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 105.20		
24) 1,2-Dichloroethane-d4	3.35	65	198577	54.99 ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 109.98		
38) Toluene-d8	6.52	98	769097	46.12 ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 92.24		
56) 4-Bromofluorobenzene	11.00	174	266927	51.25 ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 102.50		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.66	85	236568	59.17 ug/l	77
3) Chloromethane	0.76	50	232774	56.49 ug/l	91
4) Vinyl Chloride	0.77	62	217238	58.94 ug/l	92
5) Bromomethane	0.90	94	148475	58.69 ug/l	85
6) Chloroethane	0.94	64	97025	55.45 ug/l	85
7) Trichlorofluoromethane	1.05	101	265620	60.65 ug/l	85
8) 1,1-Dichloroethene	1.28	96	167618	56.70 ug/l	92
10) Acetone	1.31	43	144629	140.42 ug/l	99
11) Carbon disulfide	1.38	76	570799	61.36 ug/l #	38
12) Methylene Chloride	1.53	84	181650	56.44 ug/l #	67
13) trans-1,2-Dichloroethene	1.69	96	190758	55.39 ug/l	83
14) MTBE	1.71	73	466794	55.96 ug/l	100
15) 1,1-Dichloroethane	1.97	63	284030	56.05 ug/l	90
16) Vinyl Acetate	2.04	43	439338	57.98 ug/l	99
17) 2,2-Dichloropropane	2.45	77	199911	56.74 ug/l	93
18) cis-1,2-Dichloroethene	2.45	96	200162	56.83 ug/l	93
19) 2-Butanone	2.51	43	245145	140.49 ug/l	98
20) Bromochloromethane	2.67	128	112333	58.25 ug/l #	78
21) Chloroform	2.79	83	363085	59.37 ug/l	94
22) 1,1,1-Trichloroethane	2.95	97	270648	60.42 ug/l	96
25) Carbon Tetrachloride	3.15	119	219902	60.51 ug/l	95
26) 1,1-Dichloropropene	3.16	75	295387	58.75 ug/l	96
27) Benzene	3.41	78	907035	57.46 ug/l	100
28) 1,2-Dichloroethane	3.45	62	254623	57.59 ug/l	82
30) Trichloroethene	4.45	130	214277	57.69 ug/l #	77
31) 1,2-Dichloropropane	4.79	63	251017	58.07 ug/l	95

(#) = qualifier out of range (m) = manual integration

CMP

047

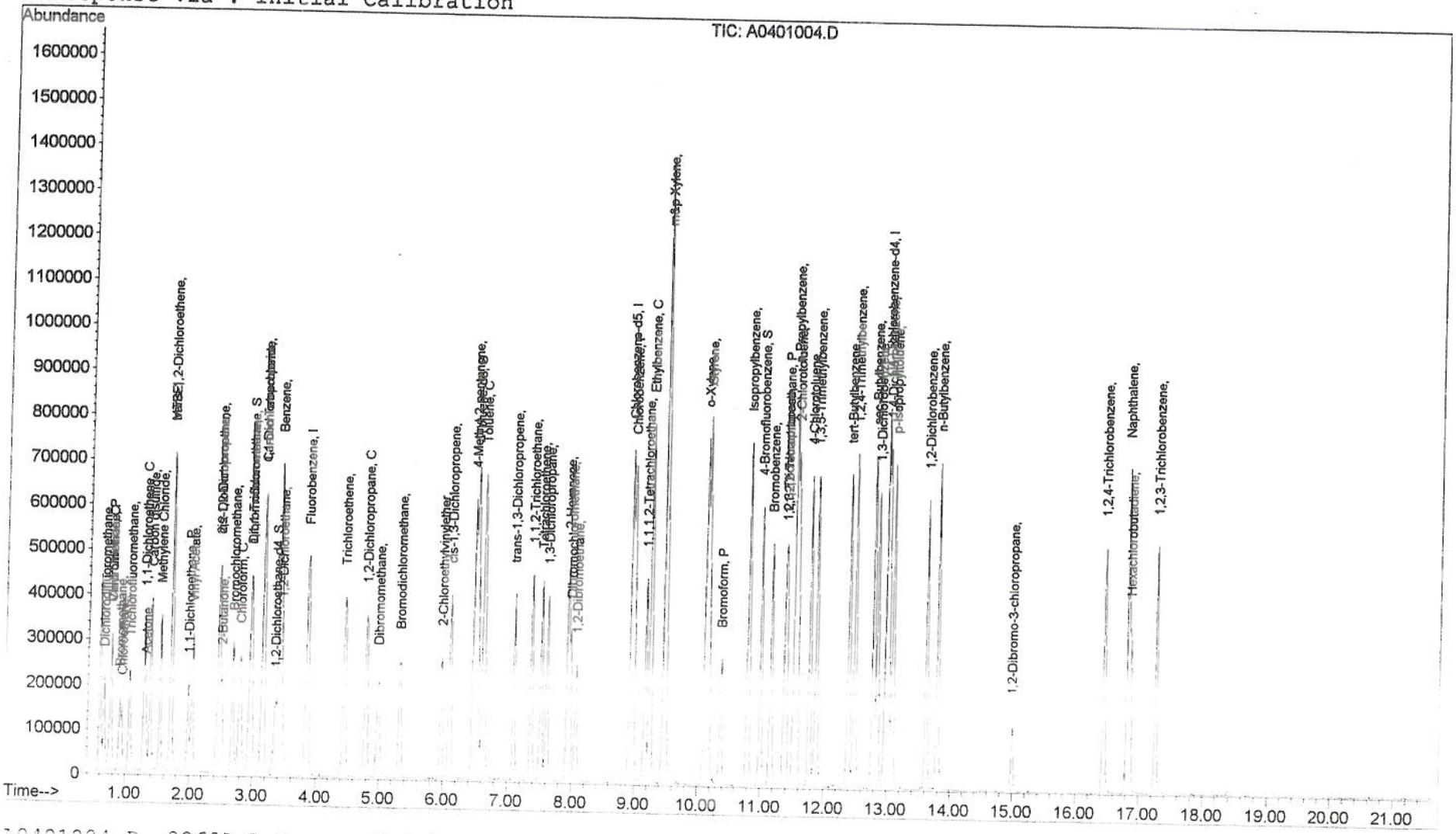
Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A0401004.D
Acq On : 11 Sep 2006 4:23 pm
Sample : VSTD050
Misc : CCV M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 11 16:46 2006

Vial: 4
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0501005.D
Acq On : 11 Sep 2006 4:52 pm
Sample : VSTD020
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 10:54 2006

Vial: 5
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 10:52:20 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	3.85	96	791910	50.00 ug/l	0.00
35) Chlorobenzene-d5	8.92	117	631241	50.00 ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.99	152	326113	50.00 ug/l	0.00
System Monitoring Compounds					
23) Dibromofluoromethane	2.96	113	206361	50.21 ug/l	0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 100.42%		
24) 1,2-Dichloroethane-d4	3.34	65	189462	52.50 ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 105.00%		
38) Toluene-d8	6.51	98	755738	49.09 ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 98.18%		
56) 4-Bromofluorobenzene	11.00	174	265008	51.04 ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 102.08%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.66	85	88190	18.51 ug/l	99
3) Chloromethane	0.75	50	90698	19.72 ug/l	97
4) Vinyl Chloride	0.77	62	82837	19.40 ug/l	100
5) Bromomethane	0.90	94	65564	24.63 ug/l	98
6) Chloroethane	0.94	64	40815	22.28 ug/l	96
7) Trichlorofluoromethane	1.05	101	98209	19.19 ug/l	99
8) 1,1-Dichloroethene	1.28	96	63726	19.66 ug/l	98
10) Acetone	1.31	43	57744	52.72 ug/l	97
11) Carbon disulfide	1.38	76	217389	19.62 ug/l	97
12) Methylene Chloride	1.53	84	71479	20.57 ug/l	95
13) trans-1,2-Dichloroethene	1.70	96	74673	20.28 ug/l	99
14) MTBE	1.71	73	184263	20.48 ug/l	100
15) 1,1-Dichloroethane	1.98	63	113631	20.66 ug/l	97
16) Vinyl Acetate	2.04	43	170035	20.01 ug/l	99
17) 2,2-Dichloropropane	2.44	77	77183	19.92 ug/l	97
18) cis-1,2-Dichloroethene	2.46	96	77777	20.20 ug/l	97
19) 2-Butanone	2.51	43	99266	53.48 ug/l	99
20) Bromochloromethane	2.68	128	43239	19.56 ug/l	96
21) Chloroform	2.79	83	142069	20.30 ug/l	98
22) 1,1,1-Trichloroethane	2.95	97	100343	18.87 ug/l	99
25) Carbon Tetrachloride	3.14	119	79966	18.48 ug/l	98
26) 1,1-Dichloropropene	3.16	75	110448	19.39 ug/l	99
27) Benzene	3.41	78	354059	20.05 ug/l	100
28) 1,2-Dichloroethane	3.45	62	100305	20.26 ug/l	99
30) Trichloroethene	4.45	130	81628	19.38 ug/l	99
31) 1,2-Dichloropropane	4.79	63	97145	19.87 ug/l	97

(#) = qualifier out of range (m) = manual integration

0 50

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0501005.D
Acq On : 11 Sep 2006 4:52 pm
Sample : VSTD020
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 10:54 2006

Vial: 5
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 10:52:20 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) Dibromomethane	4.98	93	63734	19.63 ug/l	98
33) Bromodichloromethane	5.32	83	104181	19.34 ug/l	98
34) 2-Chloroethylvinylether	5.98	63	66287	18.25 ug/l	100
36) cis-1,3-Dichloropropene	6.10	75	142056	18.89 ug/l	98
37) 4-Methyl-2-pentanone	6.47	43	285072	50.80 ug/l	99
39) Toluene	6.62	92	206792	19.67 ug/l	97
40) trans-1,3-Dichloropropene	7.10	75	122070	18.80 ug/l	100
41) 1,1,2-Trichloroethane	7.37	97	88894	19.63 ug/l	99
42) Tetrachloroethene	7.52	164	64430	18.86 ug/l	97
43) 1,3-Dichloropropane	7.62	76	141450	19.64 ug/l	99
44) 2-Hexanone	7.93	43	201388	50.01 ug/l	97
45) Dibromochloromethane	7.97	127	61964	18.49 ug/l	97
46) 1,2-Dibromoethane	8.06	107	95465	18.94 ug/l	98
47) Chlorobenzene	8.97	112	225057	19.65 ug/l	98
48) 1,1,1,2-Tetrachloroethane	9.17	131	66635	18.85 ug/l	97
49) Ethylbenzene	9.24	106	109636	19.75 ug/l	98
50) m&p Xylene	9.46	106	270552	39.19 ug/l	100
51) o-Xylene	10.11	106	130526	19.26 ug/l	96
52) Styrene	10.16	104	237664	18.88 ug/l	100
53) Bromoform	10.38	173	66539	17.63 ug/l	95
55) Isopropylbenzene	10.81	105	309179	19.63 ug/l	99
57) Bromobenzene	11.16	156	89541	19.43 ug/l	91
58) 1,1,2,2-Tetrachloroethane	11.40	83	137019	20.19 ug/l	100
59) 1,2,3-Trichloropropane	11.37	75	96181	20.31 ug/l	97
60) n-Propylbenzene	11.52	120	80114	19.72 ug/l	96
61) 2-Chlorotoluene	11.57	126	73723	19.79 ug/l	93
62) 4-Chlorotoluene	11.77	126	75420	19.25 ug/l	100
63) 1,3,5-Trimethylbenzene	11.87	105	255753	19.68 ug/l	99
64) tert-Butylbenzene	12.39	119	195705	19.78 ug/l	96
65) 1,2,4-Trimethylbenzene	12.49	105	263756	19.81 ug/l	99
66) sec-Butylbenzene	12.78	105	316146	19.50 ug/l	100
67) 1,3-Dichlorobenzene	12.85	146	157551	19.42 ug/l	98
68) 1,4-Dichlorobenzene	13.02	146	167333	20.03 ug/l	99
69) p-Isopropyltoluene	13.09	119	240977	19.23 ug/l	99
70) 1,2-Dichlorobenzene	13.62	146	153441	19.69 ug/l	99
71) n-Butylbenzene	13.80	91	256464	20.21 ug/l	99
72) 1,2-Dibromo-3-chloropropan	14.99	75	19393	19.80 ug/l	98
73) 1,2,4-Trichlorobenzene	16.46	180	108108	19.97 ug/l	99
74) Hexachlorobutadiene	16.86	225	41377	22.04 ug/l	91
75) Naphthalene	16.82	128	311118	19.89 ug/l	100
76) 1,2,3-Trichlorobenzene	17.27	180	106298	20.15 ug/l	99

(#) = qualifier out of range (m) = manual integration

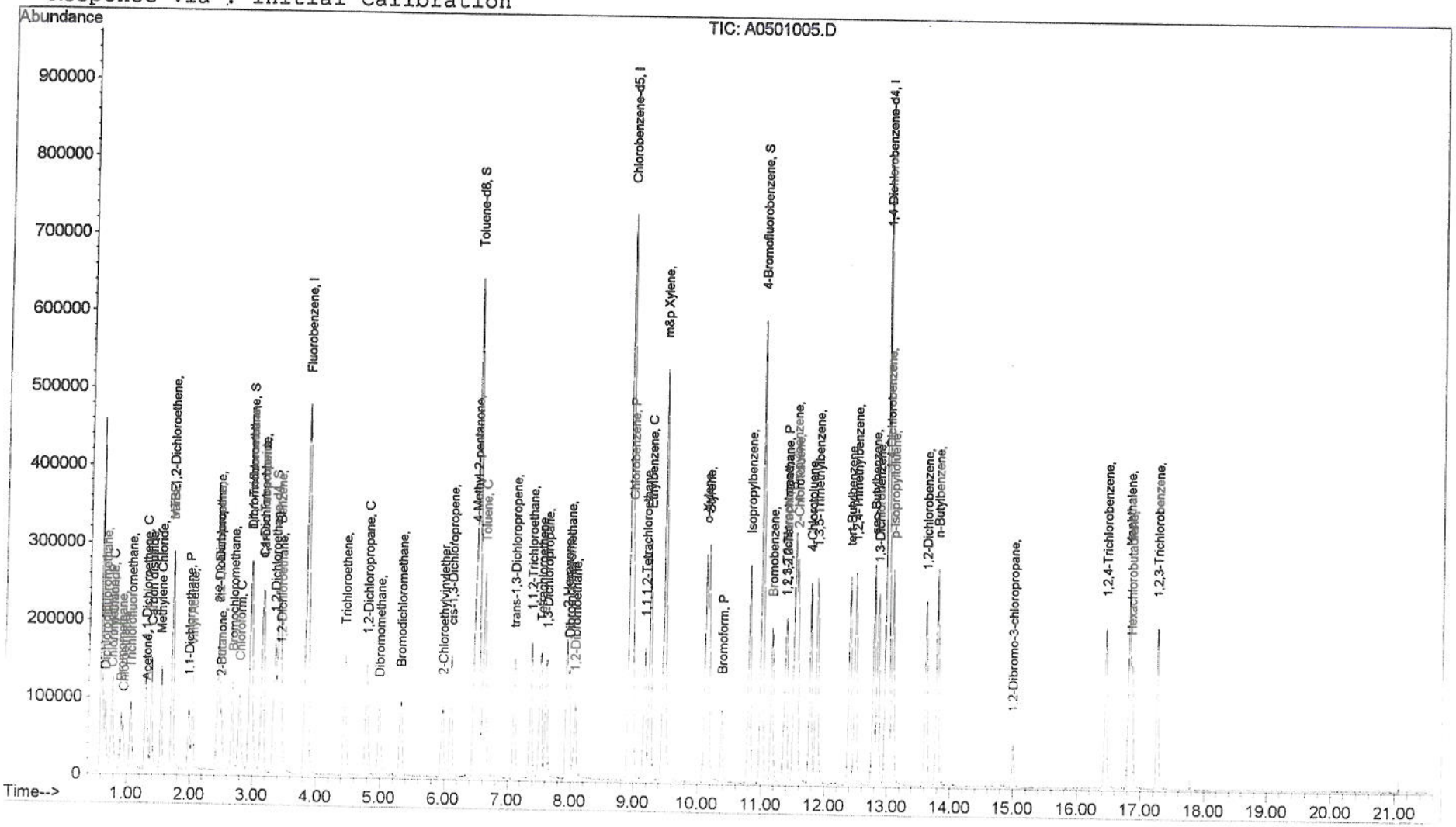
Quantitation Report

Data File : C:\HPCHEM\3\DATA\911V06\A0501005.D
Acq On : 11 Sep 2006 4:52 pm
Sample : VSTD020
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 10:54 2006

Vial: 5
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 11:04:27 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0601006.D
Acq On : 11 Sep 2006 5:21 pm
Sample : VSTD005
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 10:59 2006

Vial: 6
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 10:57:23 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	3.85	96	798781	50.00 ug/l	0.00
35) Chlorobenzene-d5	8.92	117	632760	50.00 ug/l	0.00
54) 1,4-Dichlorobenzene-d4	12.98	152	328941	50.00 ug/l	0.00
System Monitoring Compounds					
23) Dibromofluoromethane	2.97	113	207760	50.06 ug/l	0.00
Spiked Amount 50.000	Range 84 - 118		Recovery = 100.12		
24) 1,2-Dichloroethane-d4	3.35	65	187156	50.78 ug/l	0.00
Spiked Amount 50.000	Range 79 - 118		Recovery = 101.56		
38) Toluene-d8	6.51	98	745602	48.53 ug/l	0.00
Spiked Amount 50.000	Range 87 - 112		Recovery = 97.06		
56) 4-Bromofluorobenzene	11.01	174	261014	49.58 ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 99.16		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.66	85	20021	4.25 ug/l	89
3) Chloromethane	0.76	50	22578	4.88 ug/l	94
4) Vinyl Chloride	0.77	62	20857	4.88 ug/l	98
5) Bromomethane	0.90	94	17218	5.95 ug/l	99
6) Chloroethane	0.94	64	10212	5.32 ug/l	96
7) Trichlorofluoromethane	1.05	101	22986	4.50 ug/l	100
8) 1,1-Dichloroethene	1.28	96	15406	4.73 ug/l	97
10) Acetone	1.31	43	16686	14.90 ug/l	97
11) Carbon disulfide	1.38	76	52663	4.73 ug/l #	85
12) Methylene Chloride	1.53	84	18826	5.33 ug/l	92
13) trans-1,2-Dichloroethene	1.70	96	18195	4.88 ug/l	99
14) MTBE	1.72	73	47456	5.20 ug/l	100
15) 1,1-Dichloroethane	1.98	63	28648	5.12 ug/l	92
16) Vinyl Acetate	2.05	43	45018	5.25 ug/l	98
17) 2,2-Dichloropropane	2.44	77	18290	4.69 ug/l	95
18) cis-1,2-Dichloroethene	2.46	96	20024	5.14 ug/l	97
19) 2-Butanone	2.51	43	28283	14.85 ug/l	95
20) Bromochloromethane	2.68	128	11234	5.07 ug/l #	86
21) Chloroform	2.79	83	35371	4.99 ug/l	97
22) 1,1,1-Trichloroethane	2.96	97	24550	4.64 ug/l	92
25) Carbon Tetrachloride	3.15	119	18420	4.30 ug/l	98
26) 1,1-Dichloropropene	3.16	75	26868	4.71 ug/l	96
27) Benzene	3.42	78	89112	5.00 ug/l	100
28) 1,2-Dichloroethane	3.45	62	25952	5.18 ug/l	99
30) Trichloroethene	4.45	130	20345	4.83 ug/l	97
31) 1,2-Dichloropropane	4.80	63	24444	4.96 ug/l	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\911V06\A0601006.D
Acq On : 11 Sep 2006 5:21 pm
Sample : VSTD005
Misc : ICAL M8260ASPL
MS Integration Params: rteint.p
Quant Time: Sep 12 10:59 2006

Vial: 6
Operator: CMP
Inst : MSD#3
Multiplr: 1.00

Quant Results File: 8260A-L.RES

Quant Method : C:\HPCHEM\3\DATA\911V06\8260A-L.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 12 10:57:23 2006
Response via : Initial Calibration
DataAcq Meth : 8260ACQ

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) Dibromomethane	4.99	93	17156	5.26 ug/l	98
33) Bromodichloromethane	5.32	83	25633	4.76 ug/l	89
34) 2-Chloroethylvinylether	5.98	63	16336	4.56 ug/l	98
36) cis-1,3-Dichloropropene	6.11	75	33936	4.56 ug/l	92
37) 4-Methyl-2-pentanone	6.48	43	74072	13.11 ug/l	98
39) Toluene	6.62	92	52165	4.97 ug/l	89
40) trans-1,3-Dichloropropene	7.11	75	29997	4.68 ug/l	100
41) 1,1,2-Trichloroethane	7.38	97	22042	4.88 ug/l	95
42) Tetrachloroethene	7.52	164	15715	4.66 ug/l	96
43) 1,3-Dichloropropane	7.62	76	36532	5.08 ug/l	97
44) 2-Hexanone	7.94	43	47823	11.85 ug/l	97
45) Dibromochloromethane	7.98	127	15053	4.57 ug/l	97
46) 1,2-Dibromoethane	8.07	107	24716	4.96 ug/l	98
47) Chlorobenzene	8.97	112	57197	5.00 ug/l	96
48) 1,1,1,2-Tetrachloroethane	9.17	131	16675	4.77 ug/l	96
49) Ethylbenzene	9.25	106	26453	4.77 ug/l	98
50) m&p Xylene	9.47	106	66302	9.63 ug/l	99
51) o-Xylene	10.12	106	32999	4.90 ug/l	90
52) Styrene	10.17	104	59381	4.77 ug/l	100
53) Bromoform	10.38	173	15573	4.24 ug/l	97
55) Isopropylbenzene	10.80	105	75582	4.78 ug/l	98
57) Bromobenzene	11.17	156	23641	5.12 ug/l	91
58) 1,1,2,2-Tetrachloroethane	11.40	83	35464	5.17 ug/l	90
59) 1,2,3-Trichloropropane	11.37	75	26219	5.47 ug/l	99
60) n-Propylbenzene	11.52	120	19785	4.85 ug/l	96
61) 2-Chlorotoluene	11.56	126	18761m	5.01 ug/l	
62) 4-Chlorotoluene	11.77	126	19884	5.08 ug/l	100
63) 1,3,5-Trimethylbenzene	11.88	105	64262	4.92 ug/l	99
64) tert-Butylbenzene	12.40	119	48809	4.90 ug/l	97
65) 1,2,4-Trimethylbenzene	12.49	105	67060	5.01 ug/l	98
66) sec-Butylbenzene	12.78	105	81877	5.04 ug/l	97
67) 1,3-Dichlorobenzene	12.85	146	39759	4.89 ug/l	96
68) 1,4-Dichlorobenzene	13.02	146	44203	5.24 ug/l	98
69) p-Isopropyltoluene	13.09	119	61654	4.93 ug/l	98
70) 1,2-Dichlorobenzene	13.62	146	39467	5.04 ug/l	96
71) n-Butylbenzene	13.79	91	65759	5.12 ug/l	96
72) 1,2-Dibromo-3-chloropropan	15.00	75	4728	4.80 ug/l	89
73) 1,2,4-Trichlorobenzene	16.45	180	28741	5.27 ug/l	99
74) Hexachlorobutadiene	16.87	225	13160	6.78 ug/l	96
75) Naphthalene	16.82	128	81151	5.15 ug/l	100
76) 1,2,3-Trichlorobenzene	17.26	180	28674	5.38 ug/l	96

(#) = qualifier out of range (m) = manual integration