ENSR
1001 W. Seneca Street, Ste 204, Ithaca, NY 14850-3342
T 607.277.5716 F 607.277.9057 www.ensr.aecom.com

May 5, 2008

Mr. Wayne Miserack
NYSDEC
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway
Albany, NY 12233-7014

Subject: Groundwater Monitoring Results
March 2008 Sampling Event
Balchem Corporation Facility
Town of Wawayanda, Orange County, New York
NYSDEC Site Number 3-36-032

Dear Mr. Miserack,

On behalf of Balchem Corporation, ENSR Corporation (ENSR) is submitting this report to present the results of groundwater monitoring activities performed at the Balchem Corporation Facility in the Town of Wawayanda, Orange County, New York.

The objective of the monitoring event was to sample the site wells and piezometers in order to obtain additional groundwater quality data to continue to monitor the effectiveness of the remedial work performed in the former drum disposal area of the site. In addition, a sump installed during an Interim Remedial Measure (IRM) was sampled to continue to monitor water quality at this location. The results of the fieldwork and laboratory analyses are presented below.

Groundwater Elevations

The current features of the site, the IRM Sump location and the locations of the wells and piezometers are shown on Figure 1. Wells have been installed to monitor both the shallow and deep portions of the aquifer that underlie the site.

The groundwater elevations for the shallow wells are summarized on Figure 2. Groundwater elevation contours for this portion of the aquifer are also included on the figure. As shown on the figure, groundwater flow in the shallow portion of the aquifer is from the south to the north. The results obtained for this event are consistent with the past sampling events performed at the facility.

The groundwater elevations for the deeper wells are summarized on Figure 3. Groundwater elevation contours of this portion of the aquifer are also included on the figure. Similar to the shallow portion of the aquifer, groundwater flow in the deeper portion of the aquifer is from the south to the north.

Groundwater Sampling

At the request of the NYSDEC all of the site wells, piezometers, and the IRM Sump were sampled during this event. U.S. EPA methods for low stress purging and sampling were used to purge and sample the wells and piezometers. The sump sample was obtained with a bailer. The water samples were shipped to the laboratory using standard chain-of-custody procedures. A copy of the chain-of-custody record is provided with the Form I laboratory reports in Appendix A.

Note that well MW6S could not be located during the fieldwork performed for this sampling event. It is believed that the well was covered up by a building expansion performed sometime after 1997. It is believed that due to an error made during the sampling performed in 2004, that PZ6 was sampled instead of MW6S for this event. The cumulative data summary table (Table 2) has been revised to reflect this discrepancy.

Laboratory Analyses

Groundwater samples were analyzed by Test America Laboratories of Pittsburgh, PA. Test America is currently certified to perform these analyses under the NYSDOH Environmental Laboratory Approval (ELAP) Program. Groundwater samples were analyzed using the following methods:

- **Volatile Organic Compounds** - Method U.S. EPA SW846 8260B; and
- **Lead** - Method U.S. EPA SW846 6010B.

Analytical Results

The Form 1 laboratory reports and the chain of custody record are provided in Appendix A. The full NYSDEC Category B data package provided by the laboratory is included in Appendix B (CD-ROM). The analytical results for the samples for this event have been summarized in Table 1. The results have been compared to the standards (or guidance values) provided in the document entitled "*Ambient Water Quality Standards and Guidance Values - New York State Division of Water - Technical and Operational Guidance Series (1.1.1)"* (revised June 1998). Where a specific result is greater than the standard or guidance value, the concentration has been highlighted by shading on Table 1.

Table 2 provides summary information for the laboratory analyses for groundwater sampling events performed from July 1996 to March 2008 for compounds cis-1,2-dichloroethene (c-1,2-DCE), methyl tert butyl ether (MTBE), benzene, acetone, tricholorethene (TCE), carbon disulfide, chloroform, 2-butanone, and lead.

Volatile Organic Compounds

Acetone was detected in well MW6D at a concentration of 8.6 ug/L. The concentration is below the groundwater guidance value of 50 ug/L for this compound. As shown on Table 2, acetone has been infrequently detected in low level concentrations in a number of the wells or piezometers since the monitoring began in 1996. Acetone was not detected at the other sampling locations and a discernable pattern for the acetone detections is not evident. Acetone is used in the laboratory and the presence of this compound in the sample from MW6D is likely due to laboratory contamination.

Benzene was detected in sample PZ7 at a concentration of 38 ug/L. The detected concentration for this sample is above the groundwater standard of 1 ug/L for this compound. Benzene was not detected in

the other samples collected during this event. This compound appears only to be present in a limited portion of the former drum disposal area and has not migrated further down gradient. As shown in Table 2, there is a generally decreasing trend for benzene at this location since the monitoring began in 1996.

Trichloroethene was identified at an estimated ("J") concentration of 0.45 ug/L at PZ6. The concentration detected is below the groundwater standard of 5 ug/L for this compound. TCE was not detected at any of the other sampling locations and this compound appears to be only present in a limited portion of the former drum disposal area. As shown on Table 2, there appears to be a decreasing trend for TCE at this location since the monitoring began in 1996.

Cis-1,2-dichloroethene was detected at four locations including MW2 (0.3 ug/L), MW4S (3.5 ug/L), PZ6 (0.82 ug/L), and PZ7 (4.6 ug/L). The concentrations detected were all below the NYSDEC groundwater standard concentration of 5 ug/L for this compound. As shown on Table 2, the concentrations of this compound have generally been decreasing at these locations since the monitoring began in 1996.

Methyl tert butyl ether was detected in a concentration of 0.81 ug/L at MW3 and 0.18 ug/L at well MW5D. The detected concentrations are less than the groundwater standard concentration of 10 ug/L for this compound. The concentrations of MTBE in the investigation area have been decreasing since the monitoring began in 1996.

As indicated above, a water sample was collected from the IRM Sump to assess water quality at this location. As shown in Table 1, volatile organic compounds (VOCs) were not detected in concentrations above the method reporting limits at this location.

Lead Analyses

Lead was detected in 8 of the 12 water samples. The lead concentrations ranged from 3 ug/L at MW2 to 15.1 ug/L at PZ7. All of the lead concentrations were well below the NYSDEC groundwater standard concentration of 25 ug/L for this compound.

Quality Control Samples

No problems were reported by the laboratory for the analyses of the water samples collected during this sampling event. A trip blank sample (TB-01-032008), was analyzed for this sampling event. The sample was prepared by the laboratory and was stored in the sample coolers throughout the sampling event and then returned to the laboratory. The sample was analyzed by U.S. EPA Method 8260B. No VOCs were detected in concentrations greater than the laboratory reporting limits for this sample.

Conclusions

- The flow direction for groundwater across the site in both the shallow and deep portions of the aquifer underlying the site is to the north. The direction for groundwater flow found for this event is consistent with previous sampling events performed at the site.

- With one exception, VOCs in all wells, piezometers and the sump were either not detected, or if detected, were found to be below the NYSDEC groundwater standard or guidance value concentrations.

- Benzene was detected in a concentration greater than the groundwater standard value in a sample from a piezometer in the central portion of the former drum disposal area. Benzene was not detected at down gradient locations and it does not appear that this compound has migrated in groundwater from this area.

- The cumulative data summary indicates that concentrations of benzene, and each of the additional VOCs of concern for this site have been decreasing over time since the monitoring was initiated in 1996. There are no longer any VOCs present in concentrations exceeding the groundwater standard values at any of the wells located down gradient of the drum disposal area along the northern boundary of the property.

- Lead was not detected in any of the groundwater samples or from the IRM Sump concentrations greater than the groundwater standard value.

If you have any questions or comments regarding the information presented in this report, please do not hesitate to contact Mr. Gary O'Bannon of Balchem Corporation at (845) 326-5698.

Sincerely yours,

James Edwards
Senior Geologist

Bruce Coulombe, P.G.
Senior Hydrogeologist

Enclosures: Table 1 – Groundwater Monitoring Results – March 2008
Table 2 – Cumulative Groundwater Monitoring Summary – July 1996 to March 2008
Figure 1 – Site Layout and Monitoring Well Locations
Figure 2 – Groundwater Contour Map – Shallow Wells
Figure 3 – Groundwater Contour Map – Deep Wells
Appendix A – Form 1 Reports and COC
Appendix B – NYSDEC Category B Package (CD-ROM)

cc: Gary O'Bannon, P.E., Q.E.P. – Balchem Corporation

Tables

Preliminary Data Transmittal - Table 1
Groundwater Monitoring Results
Volatile Organic Compounds and Lead
Balchem Corporation Site
March 2008

Parameter	New York State Ambient Water Quality Standards and Guidance Values* (ug/L)	Balchem Site Wells																								Trip Blank	
		MW-1S-032008		MW-02-032008		MW-02-032008 DUP		MW-03-032008		MW-4S-032008		MW-4D-032008		MW-5S-032008		MW-5D-032008		MW-6D-032008		PZ-06-032008		PZ-07-032008		SUMP-032008		TB-01-032008	
Sample Date		3/20/2008		3/20/2008		3/20/2008		3/20/2008		3/20/2008		3/20/2008		3/20/2008		3/20/2008		3/20/2008		3/20/2008		3/20/2008		3/20/2008		3/20/2008	
Laboratory ID No.		C8C220144005		C8C220144008		C8C220144009		C8C220144012		C8C220144001		C8C220144002		C8C220144003		C8C220144004		C8C220144007		C8C220144011		C8C220144013		C8C220144006		C8C220144010	
Description		Site Well		Site Well		Duplicate of MW-02		Site Well		Site Well		Site Well		Site Well		Site Well		Site Well		Piezometer		Piezometer				QA/QC Sample	
Volatile Organic Compounds (ug/L)																											
1,1,1-Trichloroethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-chloropropane	0.04 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	NL	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	50 g	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**1.3**	J	5	U	5	U	5	U	5	U
2-Hexanone	50 g	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NL	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50 g	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**8.6**		5	U	5	U	5	U	5	U
Benzene	1 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	**38**		1	U	1	U
Bromodichloromethane	50 g	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	50 g	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	60 g	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon tetrachloride	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5 s	1	U	**0.3**	J	**0.26**	J	1	U	**3.5**		1	U	1	U	1	U	1	U	**0.82**	J	**4.6**		1	U	1	U
cis-1,3-Dichloropropene	0.4 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NL	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl acetate	NL	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl tert-butyl ether	10 g	1	U	1	U	1	U	**0.81**	J	1	U	1	U	1	U	**0.18**	J	1	U	1	U	1	U	1	U	1	U
Methylcyclohexane	NL	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,3-Dichloropropene	0.4 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	**0.45**	J	1	U	1	U	1	U
Trichlorofluoromethane	5 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2 s	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	**0.41**	J	1	U	1	U
Xylenes (total)	5 s	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Metals (ug/L)																											
Lead	25 s	**4.3**		**3**		**7.5**		**7.5**		3	U	**5.6**		3	U	3	U	**8.1**		3	U	**15.1**		**6.9**		NA	

Notes:
(s) - Standard Value
(g) - Guidance Value
* Values compiled from the NYSDEC Division of Water - Technical and Operational Guidance Series (TOGS) 1.1.1 - 6 NYCRR 703.5 [Revised June, 1998]
Bold values indicate that the analyte was detected in a concentration greater than or the instrument detection limit.
Shaded values indicate that the concentrations exceed New York State Ambient Water Quality Standards or Guidance Values.
NA - not analyzed for
NL -not listed
U - not detected in a concentration greater than the laboratory method reporting limit
J - estimated value

Preliminary Data Transmittal - Table 2
Balchem Site
Cumulative Groundwater Sample Results (ug/L)

PARAMETER	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
CIS-1,2-DICHLOROETHENE	7/31/1996	ND	3.5	ND	1.2	ND	ND	ND	ND	ND	25.7	19.3	ND
	3/5/1997	ND	3.2	ND	9.8	ND	ND	ND	Note 1	ND	94.8	4.1	ND
	9/12/1997	ND	3.7	ND	16	ND	ND	ND	Note 1	ND	9.6	31.5	ND
	3/3/1998	-	ND	ND	ND	11	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	1.5	ND	15	ND	ND	ND	Note 1	ND	-	10	ND
	6/11/2003	-	0.54	ND	6.7	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	0.83 J	ND	10	ND	ND	ND	Note 1	ND	4.2	-	-
	3/20/2008	ND	0.3 J	ND	3.5	ND	ND	ND	Note 1	ND	0.82 J	4.6	ND

	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
MTBE	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	90.9
	9/12/1997	ND	20	1.9	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	3/3/1998	-	9.4	1.1	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	3.1	1.0	ND	ND	ND	ND	Note 1	ND	-	ND	ND
	6/11/2003	-	0.87	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	0.53 J	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	0.81 J	ND	ND	ND	0.18 J	Note 1	ND	ND	ND	ND

	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
BENZENE	7/31/1996	ND	ND	ND	ND	ND	ND	ND	164	1.1	ND	109	1
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	372	2.5
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	172	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	-	410	ND
	9/24/1999	-	-	-	-	-	-	-	Note 1	-	-	160	-
	6/11/2003	-	0.24	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	38	ND

	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
ACETONE	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	159
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	9/12/1997	ND	ND	6.9	ND	ND	ND	ND	Note 1	ND	ND	5.9	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999			ND	ND	ND	ND	ND	Note 1	ND	-	5.7	31
	6/11/2003	-	0.24	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	3 J	ND	ND	ND	ND	ND	Note 1	4 J	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	8.6	ND	ND	ND

	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
TRICHLOROETHENE	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	18.8	ND	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	3.4	ND	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	-	ND	ND
	6/11/2003	-	ND	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	0.23 J	ND	ND	ND	Note 1	ND	1	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	0.45 J	ND	ND

	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
CARBON DISULFIDE	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	2	Note 1	ND	ND	ND	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	2.5	Note 1	ND	ND	ND	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	59	ND	ND	Note 1	1.4	-	ND	ND
	6/11/2003	-	ND	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND

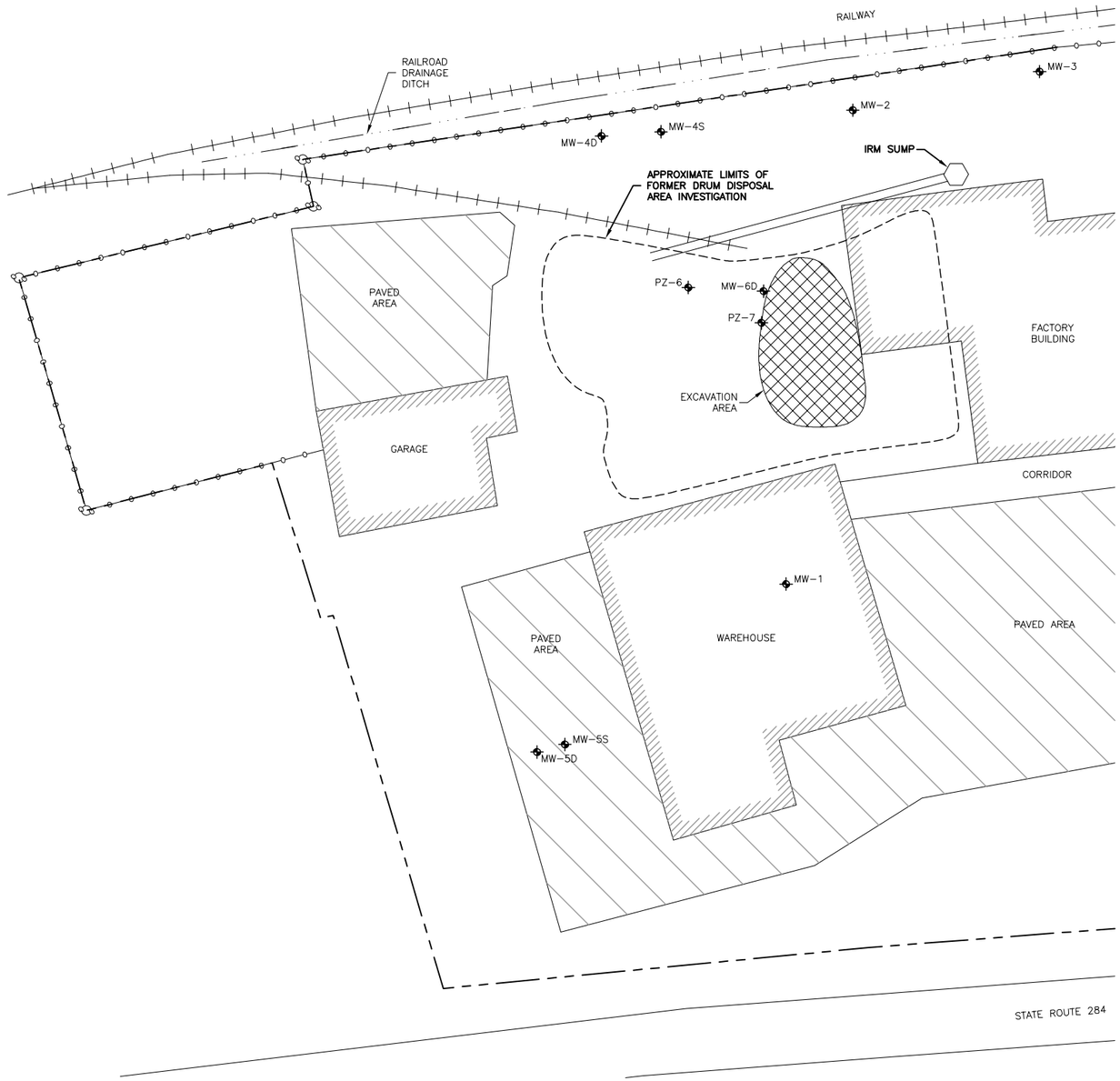
	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
CHLOROFORM	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	-	ND	ND
	6/11/2003	-	ND	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND

	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
2-BUTANONE	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	75.1
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	-	ND	ND
	6/11/2003	-	ND	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	1.3 J	ND	ND	ND

	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
LEAD	7/31/1996	ND	215	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	115	-	ND	ND	962	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	265	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	16.3	ND	ND	ND	ND	5.8	Note 1	ND	-	2900	ND
	9/24/1999	-	12.7	_	-	-	-	N D	Note 1	-	-	173	-
	6/11/2003	-	3.6	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	6.2	8.8	12	ND	5.1	ND	2 B	Note 1	1.9 B	ND	-	-
	3/20/2008	4.3	3	7.5	ND	5.6	ND	ND	Note 1	8.1	ND	15.1	6.9

Notes:
NA - not analyzed for
ND - not detected in a concentration greater than the laboratory method detection limit
J - Estimated organic compound concentration
B - Estimated metal concentration
Note 1 - MW-6s was removed during a building expansion

Figure



LEGEND

- PROPERTY BOUNDARY
- RAILROAD
- FENCE LINE
- MW-6S MONITORING WELL LOCATION

N

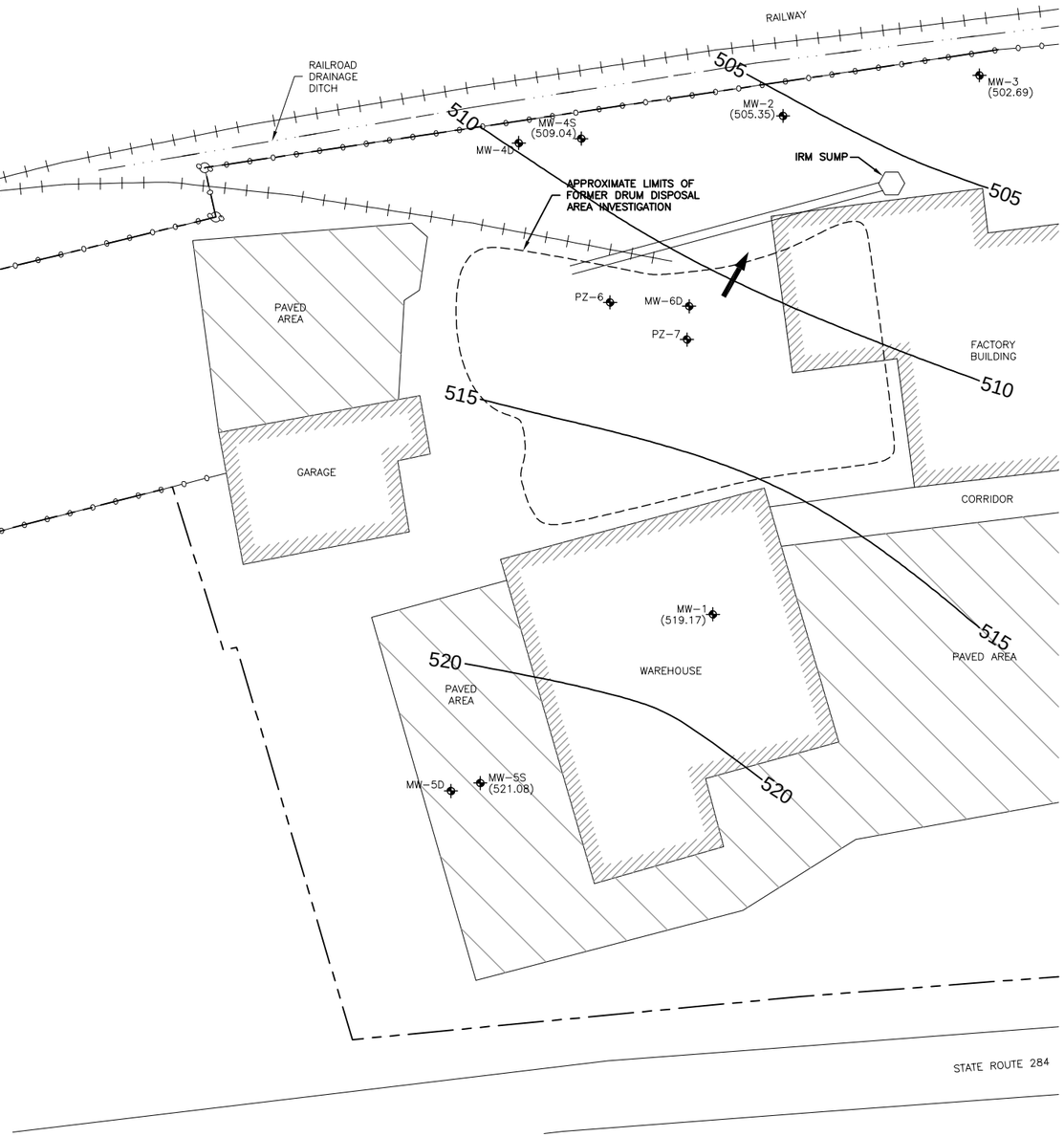
25 0 50

1"=50'

ENSR | AECOM

08508-484			SITE LAYOUT AND MONITORING WELL AND PIEZOMETER LOCATIONS BALCHEM SITE
DATE: 5/01/08	DRWN: MAW/BIL		FIGURE 1

File: J:\08508484\SITE1.dwg Layout: ANSL_Al-LJ User: mawilliamson Plotted: May 01, 2008 - 7:56am Xref's:



LEGEND

- PROPERTY BOUNDARY
- RAILROAD
- FENCE LINE
- MW-6S (508.08) — MONITORING WELL LOCATION GROUNDWATER ELEVATION (ft. MSL)
- 2460 — GROUNDWATER ELEVATION CONTOUR (ft. MSL)
- CONTOUR INTERVAL: 5'
- GROUNDWATER FLOW DIRECTION

N

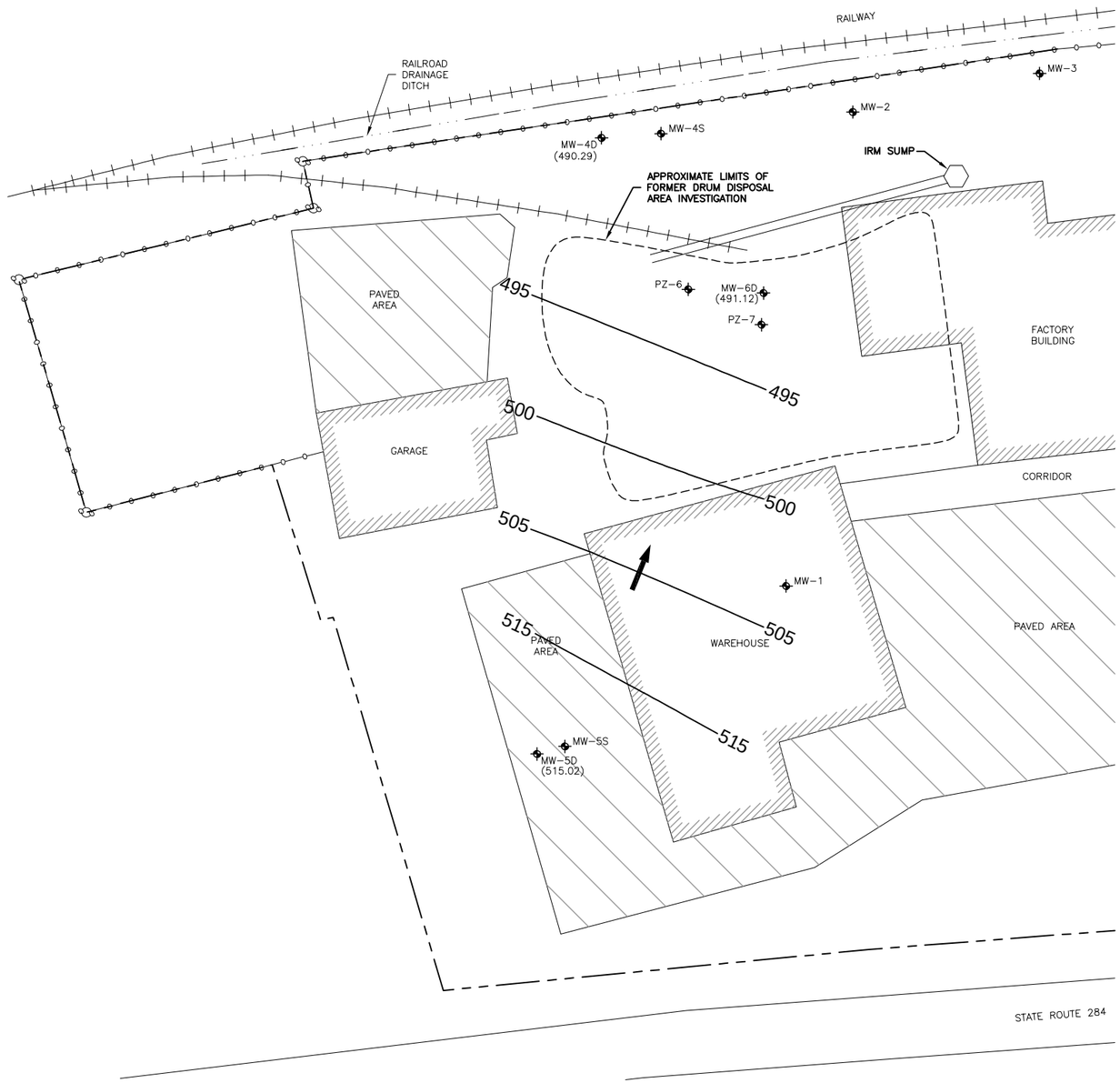
25 0 50

1"=50'

ENSR | AECOM

08508-484			GROUNDWATER CONTOUR MAP SHALLOW WELLS BALCHEM SITE
DATE: 5/01/08	DRWN: MAW/BIL		FIGURE 2

File: J:\08508484\GW_SHALL_3-08.dwg Layout: ANSL_A1-LJ User: mawilliamson Plotted: May 01, 2008 - 7:56am Xref's:



LEGEND

- PROPERTY BOUNDARY
- RAILROAD
- FENCE LINE
- MW-6S (508.08) — MONITORING WELL LOCATION GROUNDWATER ELEVATION (ft. MSL)
- 2460 — GROUNDWATER ELEVATION CONTOUR (ft. MSL)
- CONTOUR INTERVAL: 5'
- GROUNDWATER FLOW DIRECTION

25 0 50

1"=50'

ENSR | AECOM

08508-484

DATE: 5/01/08 | DRWN: MAW/BIL

GROUNDWATER CONTOUR MAP DEEP WELLS

BALCHEM SITE

FIGURE 3

File: J:\08508484\GW_DEEP_3-08.dwg Layout: ANSI_A1-LJ User: mawilliamson Plotted: May 01, 2008 - 7:55am Xref's:

Appendix A

Form 1 Reports and Chain of Custody forms

C8C220144

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client	Project Manager	Date	Chain of Custody Number
ENSR	JAMES EDWARDS		071329
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page _____ of _____
	6072775716		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
BALCHEM			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC	8260B	Pb	6010B	Special Instructions/ Conditions of Receipt
MW-4S-032008	3.20.08	1420		X									X		X		
MW-4D-032008	3.20.08	1243		X									X		X		
MW-5S-032008	3.20.08	1030		X									X		X		
MW-5D-032008	3.20.08	1200		X									X		X		
MW-1S-032008	3.20.08	1350		X									X		X		
SUMP-032008	3.20.08	1210		X									X		X		
MW-6D-032008	3.20.08	1312		X									X		X		
MW-02-032008	3.20.08	1515		X									X		X		
MW-02-032008DUP	3.20.08	1515		X									X		X		
TB-01-032008	3.20.08	NA		X									X				
PZ-06-032008	3.20.08	1600		X									X		X		
MW-03-032008	3.20.08	1610		X									X		X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
NYSDEC Cat B ASP

	Relinquished By	Date	Time	Received By	Date	Time
1.		3.21.08	1600			
2.					3/20/08	0920
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

(1 - 71)

C8C220144

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ENSR	JAMES EDWARDS		071331
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page _____ of _____
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State): BALCHEM	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260B	8260B	6010B	Special Instructions/ Conditions of Receipt
MW-03-032008MS	3.20.08	1610											X		X	
MW-03-032008MSD	3.20.08	1610											X		X	
PZ-07-032008	3.20.08	1630											X		X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): NYSDEC CAT B ASP

	Date	Time		Date	Time
1. Relinquished By	3.20.08	1600	1. Received By: FedEx		
2. Relinquished By			2. Received By	3/22/08	0920
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

ENSR International

Client Sample ID: MW-1S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-005	**Work Order #...:** KJ2971AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 16:04	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-1S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-005 **Work Order #...:** KJ2971AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	94	(64 - 128)

ENSR International

Client Sample ID: MW-1S-032008

TOTAL Metals

Lot-Sample #...: C8C220144-005 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	4.3	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ2971AC
		Dilution Factor: 1		Analysis Time..: 19:31	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-02-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-008	**Work Order #...:** KJ3AG1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 17:03	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**0.30 J**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-02-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-008 **Work Order #...:** KJ3AG1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: MW-02-032008

TOTAL Metals

Lot-Sample #...: C8C220144-008 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**3.0**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AG1AC**
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-02-032008 DUP

GC/MS Volatiles

Lot-Sample #...:	C8C220144-009	**Work Order #...:**	KJ3AJ1AA	**Matrix.....:**	WG
Date Sampled...:	03/20/08	**Date Received..:**	03/22/08	**MS Run #.....:**	8089057
Prep Date.....:	03/29/08	**Analysis Date..:**	03/29/08		
Prep Batch #...:	8089100	**Analysis Time..:**	17:26		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	403419	**Instrument ID..:**	HP6		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**0.26 J**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-02-032008 DUP

GC/MS Volatiles

Lot-Sample #...: C8C220144-009 **Work Order #...:** KJ3AJ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	91	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: MW-02-032008 DUP

TOTAL Metals

Lot-Sample #...: C8C220144-009 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**7.5**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AJ1AC**
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-03-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-012	**Work Order #...:** KJ3AQ1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 11:40	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	**0.81 J**	**1.0**	**ug/L**	**0.13**

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ENSR International

Client Sample ID: MW-03-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-012 **Work Order #...:** KJ3AQ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: MW-03-032008

TOTAL Metals

Lot-Sample #...: C8C220144-012 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**7.5**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AQ1AE**
		Dilution Factor: 1		Analysis Time..: 20:27	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-4S-032008

GC/MS Volatiles

Lot-Sample #...:	C8C220144-001	**Work Order #...:**	KJ29C1AA	**Matrix.....:**	WG
Date Sampled...:	03/20/08	**Date Received..:**	03/22/08	**MS Run #.....:**	8088144
Prep Date.....:	03/28/08	**Analysis Date..:**	03/28/08		
Prep Batch #...:	8088227	**Analysis Time..:**	10:06		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	034635	**Instrument ID..:**	HP6		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**3.5**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-4S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-001 **Work Order #...:** KJ29C1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	94	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

ENSR International

Client Sample ID: MW-4S-032008

TOTAL Metals

Lot-Sample #...: C8C220144-001 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ29C1AC
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-4D-032008

GC/MS Volatiles

Lot-Sample #...:	C8C220144-002	**Work Order #...:**	KJ29W1AA	**Matrix.....:**	WG
Date Sampled...:	03/20/08	**Date Received..:**	03/22/08	**MS Run #.....:**	8088144
Prep Date.....:	03/28/08	**Analysis Date..:**	03/28/08		
Prep Batch #...:	8088227	**Analysis Time..:**	10:30		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	034635	**Instrument ID..:**	HP6		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-4D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-002 **Work Order #...:** KJ29W1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

ENSR International

Client Sample ID: MW-4D-032008

TOTAL Metals

Lot-Sample #...: C8C220144-002 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**5.6**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ29W1AC**
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-5S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-003	**Work Order #...:** KJ2901AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 10:53	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-5S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-003 **Work Order #...:** KJ2901AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	92	(64 - 128)

ENSR International

Client Sample ID: MW-5S-032008

TOTAL Metals

Lot-Sample #...: C8C220144-003 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ2901AC
		Dilution Factor: 1		Analysis Time..: 19:20	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-5D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-004	**Work Order #...:** KJ2931AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 11:16	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	**0.18 J**	**1.0**	**ug/L**	**0.13**

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ENSR International

Client Sample ID: MW-5D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-004 **Work Order #...:** KJ2931AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: MW-5D-032008

TOTAL Metals

Lot-Sample #...: C8C220144-004 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ2931AC
		Dilution Factor: 1		Analysis Time..: 19:26	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-6D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-007	**Work Order #...:** KJ3AD1AA	**Matrix.....:** WG	
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144	
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08		
Prep Batch #...: 8088227	**Analysis Time..:** 16:51		
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL	
Analyst ID.....: 403419	**Instrument ID..:** HP6		
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**8.6**	**5.0**	**ug/L**	**2.5**
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	**1.3 J**	**5.0**	**ug/L**	**0.65**
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-6D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-007 **Work Order #...:** KJ3AD1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	92	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: MW-6D-032008

TOTAL Metals

Lot-Sample #...: C8C220144-007 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**8.1**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AD1AC**
		Dilution Factor: 1		Analysis Time..: 19:53	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: PZ-06-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-011	**Work Order #...:** KJ3AM1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 17:50	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**0.82 J**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: PZ-06-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-011 **Work Order #...:** KJ3AM1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	**0.45 J**	**1.0**	**ug/L**	**0.22**
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	93	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: PZ-06-032008

TOTAL Metals

Lot-Sample #...: C8C220144-011 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ3AM1AC
	Dilution Factor: 1			Analysis Time..: 20:10	Analyst ID.....: 022952	
	Instrument ID..: TRACEICP			MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: PZ-07-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-013	**Work Order #...:** KJ3AR1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 18:13	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	**38**	**1.0**	**ug/L**	**0.19**
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**4.6**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: PZ-07-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-013 **Work Order #...:** KJ3AR1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	**0.41 J**	**1.0**	**ug/L**	**0.11**
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	98	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: PZ-07-032008

TOTAL Metals

Lot-Sample #...: C8C220144-013 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**15.1**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AR1AC**
		Dilution Factor: 1		Analysis Time..: 20:49	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: SUMP-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-006	**Work Order #...:** KJ2991AA	**Matrix.....:** WS
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 16:28	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: SUMP-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-006 **Work Order #...:** KJ2991AA **Matrix.....:** WS

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

ENSR International

Client Sample ID: SUMP-032008

TOTAL Metals

Lot-Sample #...: C8C220144-006 **Matrix.....:** WS
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**6.9**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ2991AC**
		Dilution Factor: 1		Analysis Time..: 19:37	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: TB-01-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-010	**Work Order #...:** KJ3AK1AA	**Matrix.....:** WQ
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 16:39	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: TB-01-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-010 **Work Order #...:** KJ3AK1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	98	(64 - 128)

Appendix B

NYSDEC ASP Category B Data Package (CD – ROM)

There are 864 pages in this document.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

PROJECT NO. 08508-484-200

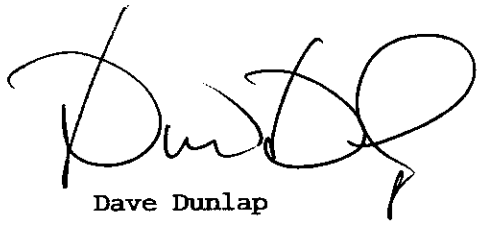
ENSR, Balchem Corporation

Lot #: C8C220144

Jim Edwards

ENSR International

TESTAMERICA LABORATORIES, INC.



Dave Dunlap
Project Manager

April 14, 2008

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E87660)	WW	X
		HW	X
Illinois – NELAC	(#200005)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#93200)	WW	X
		HW	X
New Hampshire – NELAC	(#203002)	WW	X
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 12/28/07 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE
ENSR
Balchem Corporation
LOT # C8C220144

Sample Receiving:
Samples were received at the TestAmerica Pittsburgh on March 22, 2008. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:
There were no problems associated with the analysis.

Metals:
Twice the amount of spiking solution was added to the matrix spike (the matrix spike was double spiked). The theoretical value was adjusted accordingly. The relative percent difference between the matrix spike and the matrix spike duplicate is flagged as being outside of the control limits as the RPD was calculated using raw results and not percent recoveries.

METHODS SUMMARY

C8C220144

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C8C220144

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KJ29C	001	MW-4S-032008	03/20/08	14:20
KJ29W	002	MW-4D-032008	03/20/08	12:43
KJ290	003	MW-5S-032008	03/20/08	10:30
KJ293	004	MW-5D-032008	03/20/08	12:00
KJ297	005	MW-1S-032008	03/20/08	13:50
KJ299	006	SUMP-032008	03/20/08	12:10
KJ3AD	007	MW-6D-032008	03/20/08	13:12
KJ3AG	008	MW-02-032008	03/20/08	15:15
KJ3AJ	009	MW-02-032008 DUP	03/20/08	15:15
KJ3AK	010	TB-01-032008	03/20/08	
KJ3AM	011	PZ-06-032008	03/20/08	16:00
KJ3AQ	012	MW-03-032008	03/20/08	16:10
KJ3AR	013	PZ-07-032008	03/20/08	16:30

NOTE(S):

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

C8C220144

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client	Project Manager	Date	Chain of Custody Number
ENSR	JAMES EDWARDS		071329
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page _____ of _____
	6072775716		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
BALCHEM			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC	8260B	Pb 6010B	Special Instructions/ Conditions of Receipt
MW-4S-032008	3.20.08	1420		X									X		X	
MW-4D-032008	3.20.08	1243		X									X		X	
MW-5S-032008	3.20.08	1030		X									X		X	
MW-5D-032008	3.20.08	1200		X									X		X	
MW-1S-032008	3.20.08	1350		X									X		X	
SUMP-032008	3.20.08	1210		X									X		X	
MW-6D-032008	3.20.08	1312		X									X		X	
MW-02-032008	3.20.08	1515		X									X		X	
MW-02-032008DUP	3.20.08	1515		X									X		X	
TB-01-032008	3.20.08	NA		X									X			
PZ-06-032008	3.20.08	1600		X									X		X	
MW-03-032008	3.20.08	1610		X									X		X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
NYSDEC Cat B ASP

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	3.21.08	1600	Fedex		
2.				[signature]	3/20/08	0920
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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(1 - 71)

C8C220144

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ENSR	JAMES EDWARDS		071331
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page _____ of _____
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State): BALCHEM	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: VOC	8260B	8270	6010B	Special Instructions/ Conditions of Receipt
MW-03-032008MS	3.20.08	1610											X		X		
MW-03-032008MSD	3.20.08	1610											X		X		
PZ-07-032008	3.20.08	1630											X		X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): NYSDEC CAT B ASP

	Relinquished By	Date	Time	Received By	Date	Time
1.	[illegible]	3.20.08	1600	Fedex		
2.				[signature]	3/22/08	0920
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

7

(1 - 71)

Cooler Receipt Form

TestAmerica Pittsburgh

Client: ENSR Project: Ba/chem Quote: 53494

Cooler Rec'd & Opened for Temp. Check on: 3-22-08

Coolers Opened and Unpacked on: 3-22-08 By: _____ (Signature)

TestAmerica Pittsburgh Lot Number: C8C220144

		Yes	No	NA
1.	Were custody seals on the outside of the cooler?	✓		
	If YES, how many and where? Quantity 1 Location Front			
	Were signatures and date correct?	✓		
2.	Were custody papers included inside the cooler?	✓		
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓		
4.	Did you sign the custody papers in the appropriate place?	✓		
5.	Was shippers packing slip attached to this form?	✓		
6.	Were packing materials used?	✓		
	If YES, what type? Bubble Bags			
7.	Were the samples received within the acceptable temperature range?	✓		
8.	Were the samples appropriately preserved?	✓		
9.	Were all bottles sealed in separate plastic bags?	✓		
10.	Did all bottles arrive in good condition (unbroken)?	✓		
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓		
12.	Did all bottle labels and/or tags agree with custody papers?	✓		
13.	Were correct bottles used for tests indicated?	✓		
14.	Were all VOA vials checked for the presence of air bubbles?	✓		
15.	Was a sufficient amount of sample sent in each bottle?	✓		

16. Samples received by: (FEDEX) UPS CLIENT DROP-OFF OTHER DHL US CARGO

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Cooler Receipt Form

TestAmerica Pittsburgh

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hrdnss PH<2			
MW-45	✓														
PZ-07															

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

Cooler Number	Temperature*	Thermometer ID
1	2.9	3

*Acceptable Temperature Range: 4°C ± 2°C

Sample	Lot Number**

**Please use an asterisk if bottle lot number was covered by the label

If samples required preservation in the laboratory, the following lot number(s) was/were used:

Nitric Acid _____ Hydrochloric Acid _____

Sulfuric Acid _____ Sodium Hydroxide _____

From: Origin ID: ITHA (607)277-5716
JAMES EDWARDS
ENSR Corporation
1001 W. SENECA ST
STE. 204
ITHACA, NY 148503342

FedEx Express

CLS 128767/21/24

Ship Date: 21MAR08
ActWgt: 41 LB
System#: 3206081/INET8011
Account#: S *********

Delivery Address Bar Code

Ref # 08508-484-300
Invoice #
PO #
Dept #

SHIP TO: 4129637058 **BILL SENDER**

Dave Dunlap
TestAmerica - Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238

TRK# 0201 7918 7078 9999

SATURDAY ### A2
PRIORITY OVERNIGHT

X0 AGCA

15238
PA-US
PIT

Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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DATA SUMMARY PACKAGE

GC/MS VOLATILE SUMMARY

ENSR International

Client Sample ID: MW-4S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-001	**Work Order #...:** KJ29C1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 10:06	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**3.5**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-4S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-001 **Work Order #...:** KJ29C1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	94	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

ENSR International

Client Sample ID: MW-4D-032008

GC/MS Volatiles

Lot-Sample #...:	C8C220144-002	**Work Order #...:**	KJ29W1AA	**Matrix.....:**	WG
Date Sampled...:	03/20/08	**Date Received..:**	03/22/08	**MS Run #.....:**	8088144
Prep Date.....:	03/28/08	**Analysis Date..:**	03/28/08		
Prep Batch #...:	8088227	**Analysis Time..:**	10:30		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	034635	**Instrument ID..:**	HP6		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-4D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-002 **Work Order #...:** KJ29W1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

ENSR International

Client Sample ID: MW-5S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-003	**Work Order #...:** KJ2901AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 10:53	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-5S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-003 **Work Order #...:** KJ2901AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	92	(64 - 128)

ENSR International

Client Sample ID: MW-5D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-004	**Work Order #...:** KJ2931AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 11:16	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	**0.18 J**	**1.0**	**ug/L**	**0.13**

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ENSR International

Client Sample ID: MW-5D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-004 **Work Order #...:** KJ2931AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: MW-1S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-005	**Work Order #...:** KJ2971AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 16:04	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-1S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-005 **Work Order #...:** KJ2971AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	94	(64 - 128)

ENSR International

Client Sample ID: SUMP-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-006	**Work Order #...:** KJ2991AA	**Matrix.....:** WS
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 16:28	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: SUMP-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-006 **Work Order #...:** KJ2991AA **Matrix.....:** WS

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

ENSR International

Client Sample ID: MW-6D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-007	**Work Order #...:** KJ3AD1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 16:51	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**8.6**	**5.0**	**ug/L**	**2.5**
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	**1.3 J**	**5.0**	**ug/L**	**0.65**
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-6D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-007 **Work Order #...:** KJ3AD1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	92	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: MW-02-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-008	**Work Order #...:** KJ3AG1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 17:03	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**0.30 J**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-02-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-008 **Work Order #...:** KJ3AG1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: MW-02-032008 DUP

GC/MS Volatiles

Lot-Sample #...: C8C220144-009	**Work Order #...:** KJ3AJ1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 17:26	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**0.26 J**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: MW-02-032008 DUP

GC/MS Volatiles

Lot-Sample #...: C8C220144-009 **Work Order #...:** KJ3AJ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	91	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: TB-01-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-010	**Work Order #...:** KJ3AK1AA	**Matrix.....:** WQ
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 16:39	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: TB-01-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-010 **Work Order #...:** KJ3AK1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	98	(64 - 128)

ENSR International

Client Sample ID: PZ-06-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-011	**Work Order #...:** KJ3AM1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 17:50	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**0.82 J**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

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ENSR International

Client Sample ID: PZ-06-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-011 **Work Order #...:** KJ3AM1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	**0.45 J**	**1.0**	**ug/L**	**0.22**
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	93	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: MW-03-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-012	**Work Order #...:** KJ3AQ1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 11:40	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	**0.81 J**	**1.0**	**ug/L**	**0.13**

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ENSR International

Client Sample ID: MW-03-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-012 **Work Order #...:** KJ3AQ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: PZ-07-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-013	**Work Order #...:** KJ3AR1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 18:13	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	**38**	**1.0**	**ug/L**	**0.19**
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**4.6**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: PZ-07-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-013 **Work Order #...:** KJ3AR1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	**0.41 J**	**1.0**	**ug/L**	**0.11**
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	98	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

SW846 8260B SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Lot #: C8C220144

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW-4S-032008	102	94	94	95	00
02	MW-4D-032008	104	91	100	95	00
03	MW-5S-032008	104	90	99	92	00
04	MW-5D-032008	102	92	100	95	00
05	MW-1S-032008	107	89	96	94	00
06	SUMP-032008	101	93	98	95	00
07	MW-6D-032008	103	92	97	92	00
08	MW-02-032008	100	93	98	95	00
09	MW-02-032008 DUP	100	89	95	91	00
10	TB-01-032008	102	91	95	98	00
11	PZ-06-032008	97	93	96	93	00
12	MW-03-032008	101	94	99	95	00
13	PZ-07-032008	104	90	95	98	00
14	INTRA-LAB QC	107	90	97	96	00
15	METHOD BLK. KKDP81AA	104	91	97	95	00
16	METHOD BLK. KKFP51AA	100	92	96	100	00
17	LCS KKDP81AC	102	89	84	92	00
18	LCS KKFP51AC	106	91	87	96	00
19	MW-03-032008 D	102	88	86	94	00
20	LAB MS/MSD D	102	87	87	92	00
21	MW-03-032008 S	108	87	90	93	00
22	LAB MS/MSD S	99	86	89	93	00

SURROGATES		QC LIMITS
SRG01	= Toluene-d8	(71-118)
SRG02	= 1,2-Dichloroethane-d4	(64-135)
SRG03	= 4-Bromofluorobenzene	(70-118)
SRG04	= Dibromofluoromethane	(64-128)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Lot #: C8C280000 WO #: KKDP81AC
BATCH: 8088227

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	9.50	95	65 - 136	
Trichloroethene	10.0	10.1	101	73 - 120	
Benzene	10.0	9.41	94	80 - 120	
Toluene	10.0	10.8	108	80 - 123	
Chlorobenzene	10.0	10.1	101	80 - 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Lot #: C8C290000 WO #: KKFP51AC
BATCH: 8089100

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	11.0	110	65 - 136	
Trichloroethene	10.0	10.5	105	73 - 120	
Benzene	10.0	10.2	102	80 - 120	
Toluene	10.0	10.3	103	80 - 123	
Chlorobenzene	10.0	9.43	94	80 - 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Matrix Spike ID: MW-03-032008

Lot #: C8C220144 WO #: KJ3AQ1AC
BATCH: 8088227

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10.0	ND	8.64	86	60 - 139	
Trichloroethene	10.0	ND	9.69	97	53 - 135	
Benzene	10.0	ND	8.96	90	73 - 120	
Toluene	10.0	ND	10.4	104	75 - 126	
Chlorobenzene	10.0	ND	10.2	102	80 - 120	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Matrix Spike ID: MW-03-032008

Lot #: C8C220144 WO #: KJ3AQ1AD
BATCH: 8088227

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	9.10	91	5.1	48	60 - 139	
Trichloroethene	10.0	10.2	102	4.8	36	53 - 135	
Benzene	10.0	9.37	94	4.6	32	73 - 120	
Toluene	10.0	10.3	103	1.2	35	75 - 126	
Chlorobenzene	10.0	10.1	101	0.78	29	80 - 120	

NOTES(S):

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 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C8C250238 WO #: KJ6CW1CL
BATCH: 8089100

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10.0	ND	11.2	112	60 - 139	
Trichloroethene	10.0	ND	10.5	105	53 - 135	
Benzene	10.0	ND	9.82	98	73 - 120	
Toluene	10.0	ND	9.74	97	75 - 126	
Chlorobenzene	10.0	ND	9.13	91	80 - 120	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C8C250238 WO #: KJ6CW1CM
BATCH: 8089100

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	11.2	112	0.17	48	60 - 139	
Trichloroethene	10.0	10.5	105	0.76	36	53 - 135	
Benzene	10.0	9.83	98	0.060	32	73 - 120	
Toluene	10.0	10.1	101	3.6	35	75 - 126	
Chlorobenzene	10.0	9.50	95	3.9	29	80 - 120	

NOTES(S):

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 5 outside limits

COMMENTS:

FORM III

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: KKDP81AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: 6032801.D

Lot Number: C8C220144

Date Analyzed: 03/28/08

Time Analyzed: 09:33

Matrix: WATER

Date Extracted: 03/28/08

GC Column: RTX-624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: HP6

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-4S-032008	KJ29C1AA	6032802.D	03/28/08	10:06
02	MW-4D-032008	KJ29W1AA	6032803.D	03/28/08	10:30
03	MW-5S-032008	KJ2901AA	6032804.D	03/28/08	10:53
04	MW-5D-032008	KJ2931AA	6032805.D	03/28/08	11:16
05	MW-1S-032008	KJ2971AA	6032815.D	03/28/08	16:04
06	SUMP-032008	KJ2991AA	6032816.D	03/28/08	16:28
07	MW-6D-032008	KJ3AD1AA	6032817.D	03/28/08	16:51
08	MW-03-032008	KJ3AQ1AA	6032806.D	03/28/08	11:40
09	MW-03-032008	KJ3AQ1AC S	6032808.D	03/28/08	12:40
10	MW-03-032008	KJ3AQ1AD D	6032809.D	03/28/08	13:08
11	CHECK SAMPLE	KKDP81AC C	6032807.D	03/28/08	12:17
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COMMENTS:

FORM IV

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8C220144 **Work Order #...:** KKDP81AA **Matrix.....:** WATER
MB Lot-Sample #: C8C280000-227

Prep Date.....: 03/28/08 **Analysis Time..:** 09:33
Analysis Date..: 03/28/08 **Prep Batch #...:** 8088227 **Final Wgt/Vol..:** 5 mL
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Instrument ID..:** HP6
Analyst ID.....: 034635

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8C220144 **Work Order #...:** KKDP81AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

NOTE(S):

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

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: KKFP51AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: 60329001.

Lot Number: C8C220144

Date Analyzed: 03/29/08

Time Analyzed: 13:32

Matrix: WATER

Date Extracted:03/29/08

GC Column: RTX-624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: HP6

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-02-032008	KJ3AG1AA	60329008.	03/29/08	17:03
02	MW-02-032008 DUP	KJ3AJ1AA	60329009.	03/29/08	17:26
03	TB-01-032008	KJ3AK1AA	60329007.	03/29/08	16:39
04	PZ-06-032008	KJ3AM1AA	60329010.	03/29/08	17:50
05	PZ-07-032008	KJ3AR1AA	60329011.	03/29/08	18:13
06	INTRA-LAB QC	KJ6CW1AM	60329002.	03/29/08	14:08
07	LAB MS/MSD	KJ6CW1CL S	60329005.	03/29/08	15:24
08	LAB MS/MSD	KJ6CW1CM D	60329006.	03/29/08	15:47
09	CHECK SAMPLE	KKFP51AC C	60329004.	03/29/08	15:01
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COMMENTS:

FORM IV

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8C220144 **Work Order #...:** KKFP51AA **Matrix.....:** WATER
MB Lot-Sample #: C8C290000-100

Prep Date.....: 03/29/08 **Analysis Time..:** 13:32
Analysis Date..: 03/29/08 **Prep Batch #...:** 8089100 **Final Wgt/Vol..:** 5 mL
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Instrument ID..:** HP6
Analyst ID.....: 403419

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8C220144 **Work Order #...:** KKFP51AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	100	(64 - 128)

NOTE(S):

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: SDG No.: C8C220144

Lab File ID (Standard): 1C60328 Date Analyzed: 03/28/08

Instrument ID: HP6 Time Analyzed: 0832

GC Column: DB 624 ID: 0.20 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	IS1 RT #	IS2(CBZ) AREA #	IS2(CBZ) RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	367745	7.14	91440	10.24	150454	12.56
	UPPER LIMIT	735490	7.34	182880	10.44	300908	12.76
	LOWER LIMIT	183873	6.94	45720	10.04	75227	12.36
	EPA SAMPLE NO.						
01	INTRA-LAB BL	398083	7.14	94820	10.24	150300	12.56
02	MW-4S-032008	381872	7.13	93744	10.24	150028	12.57
03	MW-4D-032008	402440	7.13	96382	10.24	149581	12.56
04	MW-5S-032008	393038	7.14	96252	10.24	148406	12.56
05	MW-5D-032008	387841	7.13	92515	10.24	147011	12.56
06	MW-03-032008	394005	7.14	95775	10.24	149217	12.57
07	INTRA-LAB CH	385021	7.13	92771	10.24	168861	12.56
08	MW-03-032008	432752	7.13	100676	10.24	174619	12.56
09	MW-03-032008	377988	7.13	92685	10.24	162352	12.56
10	MW-1S-032008	395717	7.14	92067	10.24	150320	12.56
11	SUMP-032008	394705	7.14	97567	10.24	147239	12.56
12	MW-6D-032008	397122	7.13	96067	10.24	148607	12.56
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = 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 = + 0.20 minutes of internal standard RT
RT LOWER LIMIT = - 0.20 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TA PITTSBURGH Contract:

Lab Code: TA PGH Case No.: SAS No.: SDG No.: C8C220144

Lab File ID (Standard): AC60329 Date Analyzed: 03/29/08

Instrument ID: HP6 Time Analyzed: 1237

GC Column: DB 624 ID: 0.20 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	376229	7.13	98193	10.24	162381	12.56
	UPPER LIMIT	752458	7.33	196386	10.44	324762	12.76
	LOWER LIMIT	188115	6.93	49097	10.04	81191	12.36
	EPA SAMPLE NO.						
01	INTRA-LAB BL	374600	7.13	92435	10.24	148793	12.56
02	INTRA-LAB CH	362546	7.13	88907	10.24	159488	12.56
03	TB-01-032008	385562	7.13	94072	10.24	148012	12.56
04	MW-02-032008	379731	7.13	95109	10.24	145323	12.56
05	MW-02-032008	391875	7.13	95353	10.24	150270	12.56
06	PZ-06-032008	381074	7.13	97329	10.24	146538	12.56
07	PZ-07-032008	385750	7.13	94081	10.24	151860	12.56
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = 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 = + 0.20 minutes of internal standard RT
RT LOWER LIMIT = - 0.20 minutes of internal standard RT

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

METALS SUMMARY

ENSR International

Client Sample ID: MW-4S-032008

TOTAL Metals

Lot-Sample #...: C8C220144-001 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ29C1AC
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-4D-032008

TOTAL Metals

Lot-Sample #...: C8C220144-002 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**5.6**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ29W1AC**
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-5S-032008

TOTAL Metals

Lot-Sample #...: C8C220144-003 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ2901AC
		Dilution Factor: 1		Analysis Time..: 19:20	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-5D-032008

TOTAL Metals

Lot-Sample #...: C8C220144-004 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ2931AC
		Dilution Factor: 1		Analysis Time..: 19:26	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-1S-032008

TOTAL Metals

Lot-Sample #...: C8C220144-005 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**4.3**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ2971AC**
		Dilution Factor: 1		Analysis Time..: 19:31	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: SUMP-032008

TOTAL Metals

Lot-Sample #...: C8C220144-006 **Matrix.....:** WS
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**6.9**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ2991AC**
		Dilution Factor: 1		Analysis Time..: 19:37	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-6D-032008

TOTAL Metals

Lot-Sample #...: C8C220144-007 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**8.1**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AD1AC**
		Dilution Factor: 1		Analysis Time..: 19:53	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-02-032008

TOTAL Metals

Lot-Sample #...: C8C220144-008 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**3.0**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AG1AC**
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-02-032008 DUP

TOTAL Metals

Lot-Sample #...: C8C220144-009 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**7.5**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AJ1AC**
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: PZ-06-032008

TOTAL Metals

Lot-Sample #...: C8C220144-011 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ3AM1AC
	Dilution Factor: 1			Analysis Time..: 20:10	Analyst ID.....: 022952	
	Instrument ID..: TRACEICP			MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-03-032008

TOTAL Metals

Lot-Sample #...: C8C220144-012 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**7.5**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AQ1AE**
		Dilution Factor: 1		Analysis Time..: 20:27	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: PZ-07-032008

TOTAL Metals

Lot-Sample #...: C8C220144-013 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	**15.1**	**3.0**	**ug/L**	**SW846 6010B**	**03/26-04/09/08**	**KJ3AR1AC**
		Dilution Factor: 1		Analysis Time..: 20:49	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C8C220144 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C8C260000-241 **Prep Batch #...:** 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ7RQ1AA

Dilution Factor: 1

Analysis Time..: 18:58 Analyst ID.....: 022952 Instrument ID..: TRA

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C8C220144 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C8C260000-241 **Prep Batch #...:** 8086241					
Lead	101	(80 - 120)	SW846 6010B	03/26-04/09/08	KJ7RQ1AC

Dilution Factor: 1 Analysis Time..: 19:04 Analyst ID.....: 022952
Instrument ID..: TRACEICP

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C8C220144 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C8C260000-241 **Prep Batch #...:** 8086241							
Lead	500	506	ug/L	101	SW846 6010B	03/26-04/09/08	KJ7RQ1AC

Dilution Factor: 1 Analysis Time..: 19:04 Analyst ID.....: 022952
Instrument ID..: TRACEICP

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C8C220144 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C8C220144-012 **Prep Batch #...:** 8086241							
Lead	100	(75 - 125)			SW846 6010B	03/26-04/09/08	KJ3AQ1AF
	101 *	(75 - 125)	65	(0-20)	SW846 6010B	03/26-04/09/08	KJ3AQ1AG

Dilution Factor: 1
Analysis Time..: 20:38 Instrument ID..: TRACEICP Analyst ID.....: 022952
MS Run #.....: 8086121

NOTE(S):

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

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C8C220144 **Matrix.....:** WG
Date Sampled...: 03/20/08 **Date Received..:** 03/22/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C8C220144-012 **Prep Batch #...:** 8086241									
Lead									
	7.5	1000	1010	ug/L	100		SW846 6010B	03/26-04/09/08	KJ3AQ1AF
	7.5	500	515 *	ug/L	101	65	SW846 6010B	03/26-04/09/08	KJ3AQ1AG

Dilution Factor: 1
Analysis Time..: 20:38 Instrument ID..: TRACEICP Analyst ID.....: 022952
MS Run #.....: 8086121

NOTE(S):

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

* Relative percent difference (RPD) is outside stated control limits.

GC/MS VOLATILE DATA

GC/MS VOLATILE
QC SUMMARY

SW846 8260B SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Lot #: C8C220144

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW-4S-032008	102	94	94	95	00
02	MW-4D-032008	104	91	100	95	00
03	MW-5S-032008	104	90	99	92	00
04	MW-5D-032008	102	92	100	95	00
05	MW-1S-032008	107	89	96	94	00
06	SUMP-032008	101	93	98	95	00
07	MW-6D-032008	103	92	97	92	00
08	MW-02-032008	100	93	98	95	00
09	MW-02-032008 DUP	100	89	95	91	00
10	TB-01-032008	102	91	95	98	00
11	PZ-06-032008	97	93	96	93	00
12	MW-03-032008	101	94	99	95	00
13	PZ-07-032008	104	90	95	98	00
14	INTRA-LAB QC	107	90	97	96	00
15	METHOD BLK. KKDP81AA	104	91	97	95	00
16	METHOD BLK. KKFP51AA	100	92	96	100	00
17	LCS KKDP81AC	102	89	84	92	00
18	LCS KKFP51AC	106	91	87	96	00
19	MW-03-032008 D	102	88	86	94	00
20	LAB MS/MSD D	102	87	87	92	00
21	MW-03-032008 S	108	87	90	93	00
22	LAB MS/MSD S	99	86	89	93	00

SURROGATES		QC LIMITS
SRG01	= Toluene-d8	(71-118)
SRG02	= 1,2-Dichloroethane-d4	(64-135)
SRG03	= 4-Bromofluorobenzene	(70-118)
SRG04	= Dibromofluoromethane	(64-128)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Lot #: C8C280000 WO #: KKDP81AC
BATCH: 8088227

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	9.50	95	65 - 136	
Trichloroethene	10.0	10.1	101	73 - 120	
Benzene	10.0	9.41	94	80 - 120	
Toluene	10.0	10.8	108	80 - 123	
Chlorobenzene	10.0	10.1	101	80 - 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Lot #: C8C290000 WO #: KKFP51AC
BATCH: 8089100

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	11.0	110	65 - 136	
Trichloroethene	10.0	10.5	105	73 - 120	
Benzene	10.0	10.2	102	80 - 120	
Toluene	10.0	10.3	103	80 - 123	
Chlorobenzene	10.0	9.43	94	80 - 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Matrix Spike ID: MW-03-032008

Lot #: C8C220144 WO #: KJ3AQ1AC
BATCH: 8088227

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10.0	ND	8.64	86	60 - 139	
Trichloroethene	10.0	ND	9.69	97	53 - 135	
Benzene	10.0	ND	8.96	90	73 - 120	
Toluene	10.0	ND	10.4	104	75 - 126	
Chlorobenzene	10.0	ND	10.2	102	80 - 120	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Matrix Spike ID: MW-03-032008

Lot #: C8C220144 WO #: KJ3AQ1AD
BATCH: 8088227

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	9.10	91	5.1	48	60 - 139	
Trichloroethene	10.0	10.2	102	4.8	36	53 - 135	
Benzene	10.0	9.37	94	4.6	32	73 - 120	
Toluene	10.0	10.3	103	1.2	35	75 - 126	
Chlorobenzene	10.0	10.1	101	0.78	29	80 - 120	

NOTES(S):

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 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C8C250238 WO #: KJ6CW1CL
BATCH: 8089100

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10.0	ND	11.2	112	60 - 139	
Trichloroethene	10.0	ND	10.5	105	53 - 135	
Benzene	10.0	ND	9.82	98	73 - 120	
Toluene	10.0	ND	9.74	97	75 - 126	
Chlorobenzene	10.0	ND	9.13	91	80 - 120	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: ENSR International

Lab Code: TALPIT SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C8C250238 WO #: KJ6CW1CM
BATCH: 8089100

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	11.2	112	0.17	48	60 - 139	
Trichloroethene	10.0	10.5	105	0.76	36	53 - 135	
Benzene	10.0	9.83	98	0.060	32	73 - 120	
Toluene	10.0	10.1	101	3.6	35	75 - 126	
Chlorobenzene	10.0	9.50	95	3.9	29	80 - 120	

NOTES(S):

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 5 outside limits

COMMENTS:

FORM III

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: KKDP81AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: 6032801.D

Lot Number: C8C220144

Date Analyzed: 03/28/08

Time Analyzed: 09:33

Matrix: WATER

Date Extracted:03/28/08

GC Column: RTX-624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: HP6

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-4S-032008	KJ29C1AA	6032802.D	03/28/08	10:06
02	MW-4D-032008	KJ29W1AA	6032803.D	03/28/08	10:30
03	MW-5S-032008	KJ2901AA	6032804.D	03/28/08	10:53
04	MW-5D-032008	KJ2931AA	6032805.D	03/28/08	11:16
05	MW-1S-032008	KJ2971AA	6032815.D	03/28/08	16:04
06	SUMP-032008	KJ2991AA	6032816.D	03/28/08	16:28
07	MW-6D-032008	KJ3AD1AA	6032817.D	03/28/08	16:51
08	MW-03-032008	KJ3AQ1AA	6032806.D	03/28/08	11:40
09	MW-03-032008	KJ3AQ1AC S	6032808.D	03/28/08	12:40
10	MW-03-032008	KJ3AQ1AD D	6032809.D	03/28/08	13:08
11	CHECK SAMPLE	KKDP81AC C	6032807.D	03/28/08	12:17
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: KKFP51AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: 60329001.

Lot Number: C8C220144

Date Analyzed: 03/29/08

Time Analyzed: 13:32

Matrix: WATER

Date Extracted:03/29/08

GC Column: RTX-624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: HP6

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-02-032008	KJ3AG1AA	60329008.	03/29/08	17:03
02	MW-02-032008 DUP	KJ3AJ1AA	60329009.	03/29/08	17:26
03	TB-01-032008	KJ3AK1AA	60329007.	03/29/08	16:39
04	PZ-06-032008	KJ3AM1AA	60329010.	03/29/08	17:50
05	PZ-07-032008	KJ3AR1AA	60329011.	03/29/08	18:13
06	INTRA-LAB QC	KJ6CW1AM	60329002.	03/29/08	14:08
07	LAB MS/MSD	KJ6CW1CL S	60329005.	03/29/08	15:24
08	LAB MS/MSD	KJ6CW1CM D	60329006.	03/29/08	15:47
09	CHECK SAMPLE	KKFP51AC C	60329004.	03/29/08	15:01
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TA PITTSBURGH Contract:

Lab Code: TA PGH Case No.: SAS No.: SDG No.: -

Lab File ID: BF60318G BFB Injection Date: 03/18/08

Instrument ID: HP6 BFB Injection Time: 1355

GC Column: DB624 20M ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	70.3
175	5.0 - 9.0% of mass 174	3.9 (5.5)1
176	95.0 - 101.0% of mass 174	70.3 (100.0)1
177	5.0 - 9.0% of mass 176	5.1 (7.2)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	VSTD1	VSTD1	1A60318	03/18/08	1431
02	VSTD5	VSTD5	1B60318	03/18/08	1456
03	VSTD10	VSTD10	1C60318	03/18/08	1520
04	VSTD15	VSTD15	1D60318	03/18/08	1544
05	VSTD20	VSTD20	1E60318	03/18/08	1608
06	VSTD40	VSTD40	1F60318	03/18/08	1632
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

KJG 3/19/08

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: SDG No.: C8C220144

Lab File ID: BF60328 BFB Injection Date: 03/28/08

Instrument ID: HP6 BFB Injection Time: 0728

GC Column: DB624 20M ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 60.0% of mass 95	44.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	6.2 (8.2)1
176	95.0 - 101.0% of mass 174	73.2 (96.6)1
177	5.0 - 9.0% of mass 176	4.7 (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	VSTD10	VSTD10	1C60328	03/28/08	0832
02	INTRA-LAB BL	KKDP81AA	6032801	03/28/08	0933
03	MW-4S-032008	KJ29C1AA	6032802	03/28/08	1006
04	MW-4D-032008	KJ29W1AA	6032803	03/28/08	1030
05	MW-5S-032008	KJ2901AA	6032804	03/28/08	1053
06	MW-5D-032008	KJ2931AA	6032805	03/28/08	1116
07	MW-03-032008	KJ3AQ1AA	6032806	03/28/08	1140
08	INTRA-LAB CH	KKDP81AC	6032807	03/28/08	1217
09	MW-03-032008	KJ3AQ1AC	6032808	03/28/08	1240
10	MW-03-032008	KJ3AQ1AD	6032809	03/28/08	1308
11	MW-1S-032008	KJ2971AA	6032815	03/28/08	1604
12	SUMP-032008	KJ2991AA	6032816	03/28/08	1628
13	MW-6D-032008	KJ3AD1AA	6032817	03/28/08	1651
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TA PITTSBURGH Contract:

Lab Code: TA PGH Case No.: SAS No.: SDG No.: C8C220144

Lab File ID: AF60329 BFB Injection Date: 03/29/08

Instrument ID: HP6 BFB Injection Time: 1112

GC Column: DB624 20M ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9)1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.9 (8.9)1
176	95.0 - 101.0% of mass 174	75.3 (96.7)1
177	5.0 - 9.0% of mass 176	5.1 (6.7)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	VSTD10	VSTD10	AC60329	03/29/08	1237
02	INTRA-LAB BL	KKFP51AA	60329001	03/29/08	1332
03	INTRA-LAB CH	KKFP51AC	60329004	03/29/08	1501
04	TB-01-032008	KJ3AK1AA	60329007	03/29/08	1639
05	MW-02-032008	KJ3AG1AA	60329008	03/29/08	1703
06	MW-02-032008	KJ3AJ1AA	60329009	03/29/08	1726
07	PZ-06-032008	KJ3AM1AA	60329010	03/29/08	1750
08	PZ-07-032008	KJ3AR1AA	60329011	03/29/08	1813
09					
10					
11					
12					
13					
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15					
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17					
18					
19					
20					
21					
22					

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: SDG No.: C8C220144

Lab File ID (Standard): 1C60328 Date Analyzed: 03/28/08

Instrument ID: HP6 Time Analyzed: 0832

GC Column: DB 624 ID: 0.20 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	IS1 RT #	IS2(CBZ) AREA #	IS2(CBZ) RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	367745	7.14	91440	10.24	150454	12.56
	UPPER LIMIT	735490	7.34	182880	10.44	300908	12.76
	LOWER LIMIT	183873	6.94	45720	10.04	75227	12.36
	EPA SAMPLE NO.						
01	INTRA-LAB BL	398083	7.14	94820	10.24	150300	12.56
02	MW-4S-032008	381872	7.13	93744	10.24	150028	12.57
03	MW-4D-032008	402440	7.13	96382	10.24	149581	12.56
04	MW-5S-032008	393038	7.14	96252	10.24	148406	12.56
05	MW-5D-032008	387841	7.13	92515	10.24	147011	12.56
06	MW-03-032008	394005	7.14	95775	10.24	149217	12.57
07	INTRA-LAB CH	385021	7.13	92771	10.24	168861	12.56
08	MW-03-032008	432752	7.13	100676	10.24	174619	12.56
09	MW-03-032008	377988	7.13	92685	10.24	162352	12.56
10	MW-1S-032008	395717	7.14	92067	10.24	150320	12.56
11	SUMP-032008	394705	7.14	97567	10.24	147239	12.56
12	MW-6D-032008	397122	7.13	96067	10.24	148607	12.56
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = 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 = + 0.20 minutes of internal standard RT
RT LOWER LIMIT = - 0.20 minutes of internal standard RT

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TA PITTSBURGH Contract:

Lab Code: TA PGH Case No.: SAS No.: SDG No.: C8C220144

Lab File ID (Standard): AC60329 Date Analyzed: 03/29/08

Instrument ID: HP6 Time Analyzed: 1237

GC Column: DB 624 ID: 0.20 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	376229	7.13	98193	10.24	162381	12.56
	UPPER LIMIT	752458	7.33	196386	10.44	324762	12.76
	LOWER LIMIT	188115	6.93	49097	10.04	81191	12.36
01	INTRA-LAB BL	374600	7.13	92435	10.24	148793	12.56
02	INTRA-LAB CH	362546	7.13	88907	10.24	159488	12.56
03	TB-01-032008	385562	7.13	94072	10.24	148012	12.56
04	MW-02-032008	379731	7.13	95109	10.24	145323	12.56
05	MW-02-032008	391875	7.13	95353	10.24	150270	12.56
06	PZ-06-032008	381074	7.13	97329	10.24	146538	12.56
07	PZ-07-032008	385750	7.13	94081	10.24	151860	12.56
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = 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 = + 0.20 minutes of internal standard RT
RT LOWER LIMIT = - 0.20 minutes of internal standard RT

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

GC/MS VOLATILE
SAMPLE DATA

ENSR International

Client Sample ID: MW-4S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-001	**Work Order #...:** KJ29C1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 10:06	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**3.5**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-4S-032008

GC/MS Volatiles

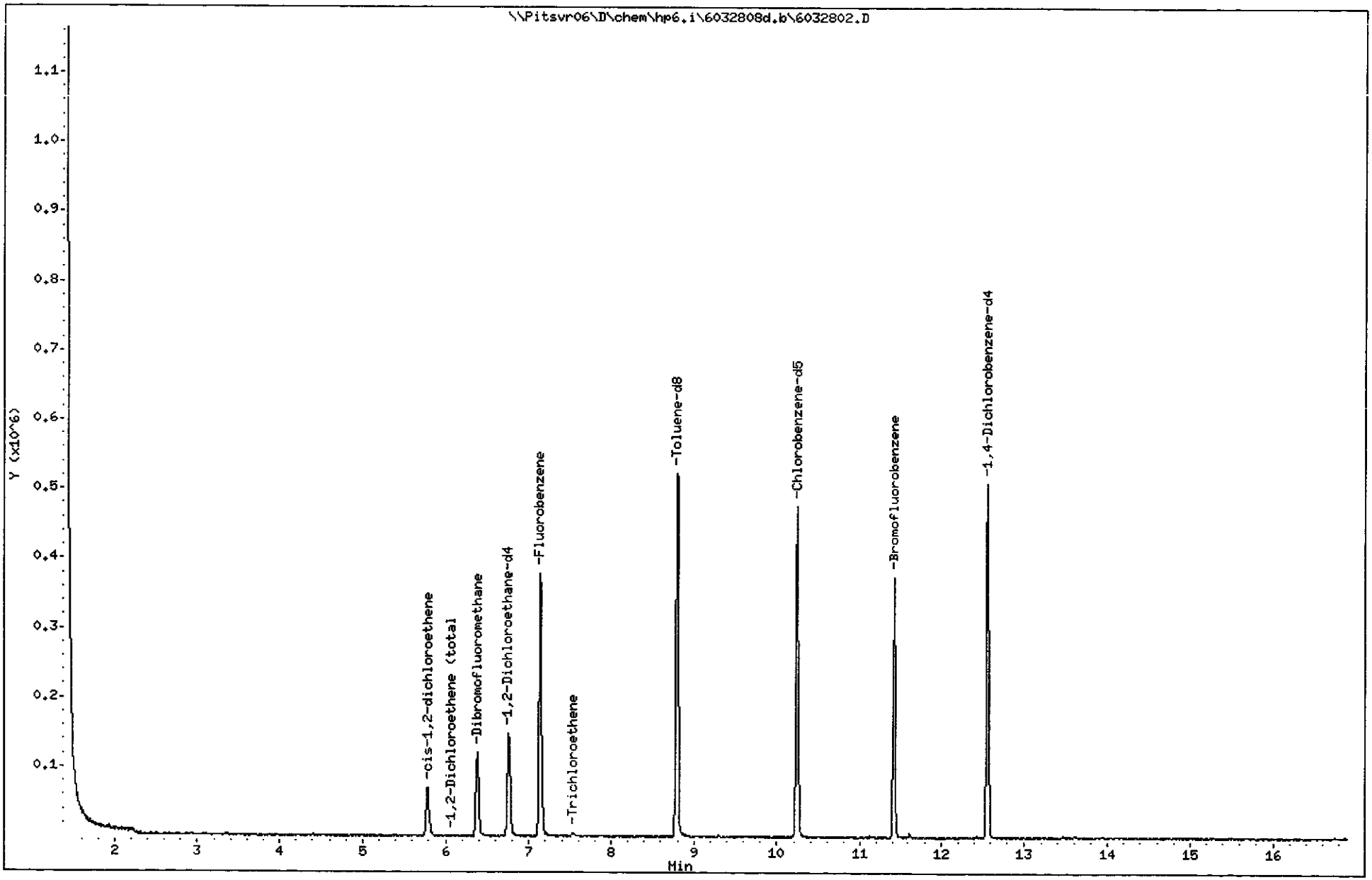
Lot-Sample #...: C8C220144-001 **Work Order #...:** KJ29C1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	94	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032802.D
Date : 28-MAR-2008 10:06
Client ID: MW-4S-032008
Sample Info: c8c220141-001 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 034635
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032802.D
Lab Smp Id: kj29c1aa Client Smp ID: MW-4S-032008
Inj Date : 28-MAR-2008 10:06
Operator : 034635 Inst ID: hp6.i
Smp Info : c8c220141-001 5ml
Misc Info : kj29c1aa,6032808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 13:30 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	7.132	7.135	(1.000)	381872	50.0000	
* 69 Chlorobenzene-d5	119	10.235	10.238	(1.000)	93744	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.565	12.562	(1.000)	150028	50.0000	
$ 39 Dibromofluoromethane	113	6.378	6.381	(0.894)	87951	47.4151	9.483
$ 43 1,2-Dichloroethane-d4	65	6.755	6.752	(0.947)	122840	47.0267	9.405
$ 59 Toluene-d8	98	8.799	8.796	(0.860)	379557	51.1460	10.23
$ 80 Bromofluorobenzene	95	11.409	11.406	(0.908)	151283	47.0106	9.402
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
1 Dichlorodifluoromethane	85	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	5.794	5.785	(0.812)	38868	17.7365	3.547

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96				38868	17.7365	3.547
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	7.534	7.531	(1.056)	1971	0.90996	0.1320
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	81 n-Propylbenzene	120	Compound Not Detected.					
	82 2-Chlorotoluene	126	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	85 4-Chlorotoluene	126	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	87 tert-Butylbenzene	119	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	89 sec-Butylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	94 n-Butylbenzene	91	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Hexachlorobutadiene	225	Compound Not Detected.					
	99 Naphthalene	128	Compound Not Detected.					
	100 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	Compound Not Detected.					
105 Methyl Cyclohexane	83	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032802.D

Date : 28-MAR-2008 10:06

Client ID: MW-4S-032008

Instrument: hp6.i

Sample Info: c8c220141-001 5ml

Purge Volume: 5.0

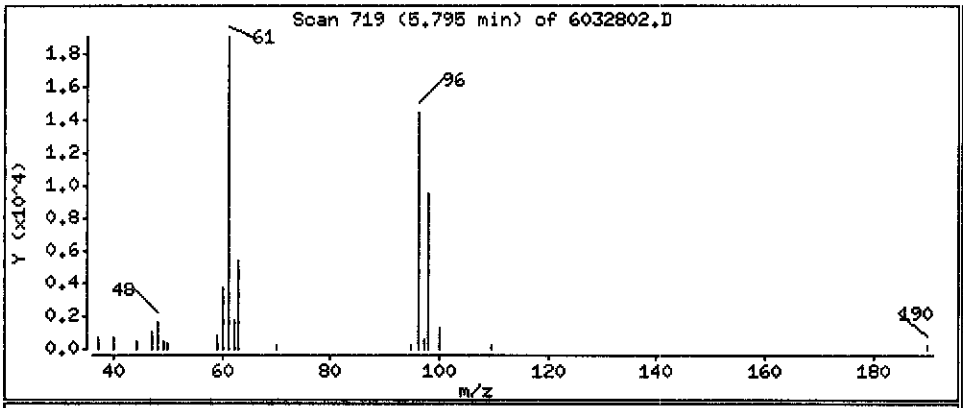
Operator: 034635

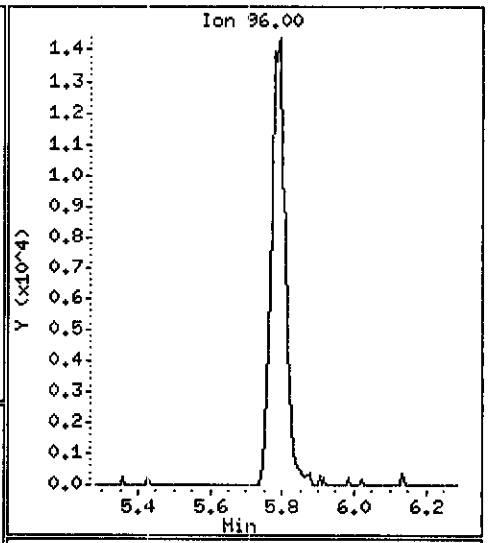
Column phase: DB 624

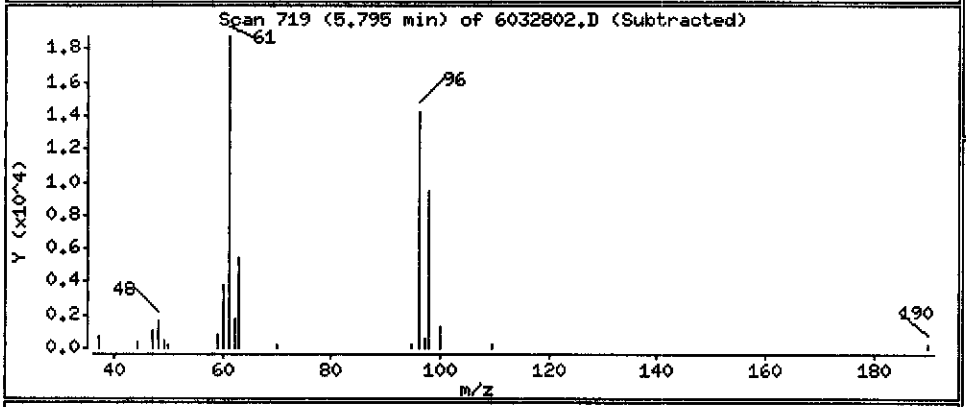
Column diameter: 0.20

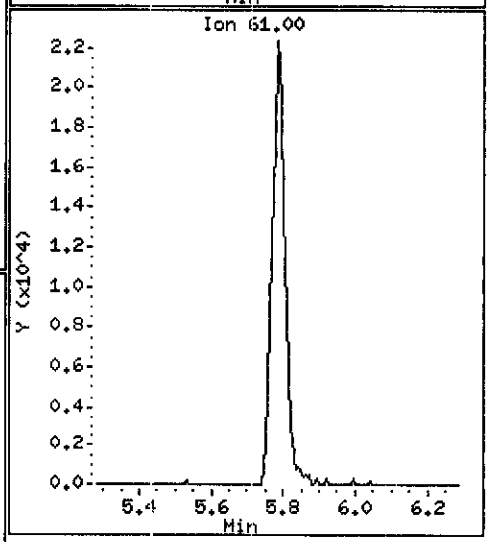
28 cis-1,2-dichloroethene

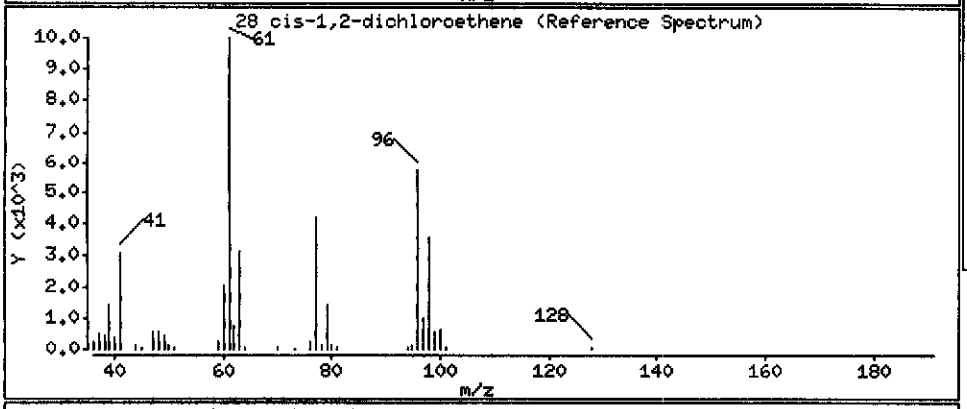
Concentration: 3.547 UG/L

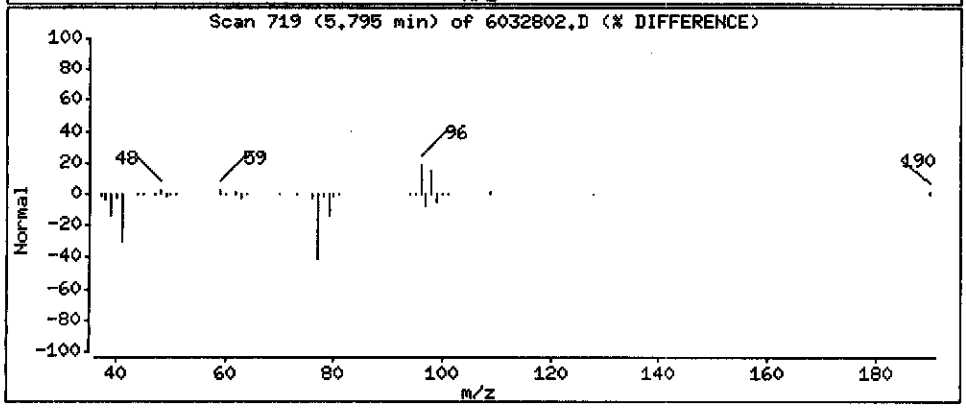












ENSR International

Client Sample ID: MW-4D-032008

GC/MS Volatiles

Lot-Sample #...:	C8C220144-002	**Work Order #...:**	KJ29W1AA	**Matrix.....:**	WG
Date Sampled...:	03/20/08	**Date Received..:**	03/22/08	**MS Run #.....:**	8088144
Prep Date.....:	03/28/08	**Analysis Date..:**	03/28/08		
Prep Batch #...:	8088227	**Analysis Time..:**	10:30		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	034635	**Instrument ID..:**	HP6		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-4D-032008

GC/MS Volatiles

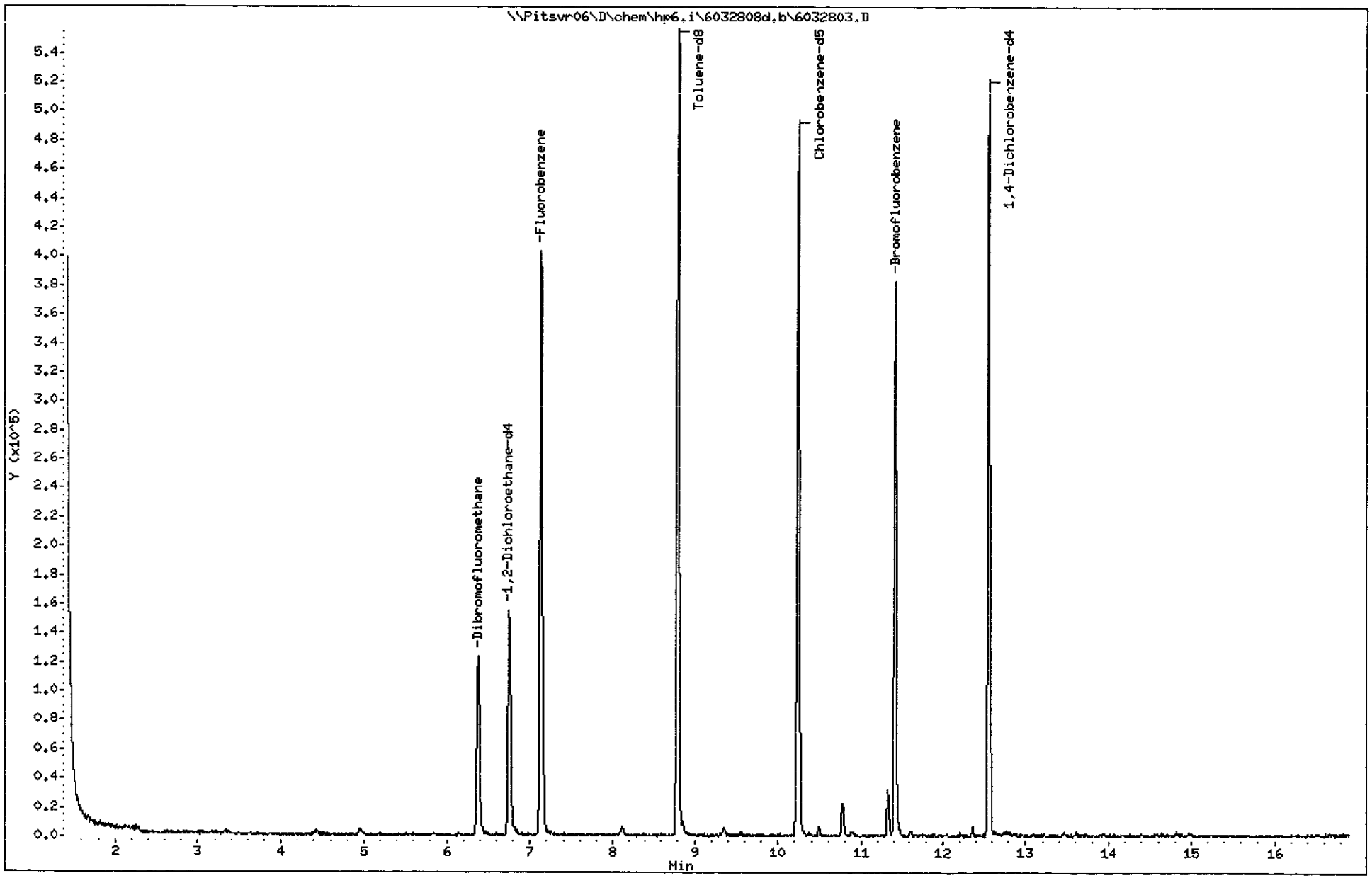
Lot-Sample #...: C8C220144-002 **Work Order #...:** KJ29W1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032803.D
Date : 28-MAR-2008 10:30
Client ID: MW-4D-032008
Sample Info: c8c220141-002 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 034635
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032803.D
Lab Smp Id: kj29w1aa Client Smp ID: MW-4D-C32008
Inj Date : 28-MAR-2008 10:30
Operator : 034635 Inst ID: hp6.i
Smp Info : c8c220141-002 5ml
Misc Info : kj29w1aa,6032808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 13:30 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
* 46 Fluorobenzene	96	7.133	7.135	(1.000)	402440	50.0000	
* 69 Chlorobenzene-d5	119	10.236	10.238	(1.000)	96382	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.560	12.562	(1.000)	149581	50.0000	
$ 39 Dibromofluoromethane	113	6.385	6.381	(0.895)	92974	47.5614	9.512
$ 43 1,2-Dichloroethane-d4	65	6.756	6.752	(0.947)	125460	45.5750	9.115
$ 59 Toluene-d8	98	8.794	8.796	(0.859)	395090	51.7819	10.36
$ 80 Bromofluorobenzene	95	11.410	11.406	(0.908)	159903	49.8377	9.968
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
1 Dichlorodifluoromethane	85	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M 29	1,2-Dichloroethene (total)	96	Compound Not Detected.					
30	Bromochloromethane	128	Compound Not Detected.					
31	2-Butanone	43	Compound Not Detected.					
37	Chloroform	83	Compound Not Detected.					
38	1,1,1-Trichloroethane	97	Compound Not Detected.					
40	1,1-Dichloropropene	75	Compound Not Detected.					
41	Carbon Tetrachloride	117	Compound Not Detected.					
42	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Trichloroethene	130	Compound Not Detected.					
49	1,2-Dichloropropane	63	Compound Not Detected.					
50	Dibromomethane	93	Compound Not Detected.					
53	Bromodichloromethane	83	Compound Not Detected.					
57	cis-1,3-Dichloropropene	75	Compound Not Detected.					
58	4-Methyl-2-Pentanone	43	Compound Not Detected.					
60	Toluene	91	Compound Not Detected.					
61	trans-1,3-Dichloropropene	75	Compound Not Detected.					
63	1,3-Dichloropropane	76	Compound Not Detected.					
64	1,1,2-Trichloroethane	97	Compound Not Detected.					
65	Tetrachloroethene	164	Compound Not Detected.					
66	2-Hexanone	43	Compound Not Detected.					
67	Dibromochloromethane	129	Compound Not Detected.					
68	1,2-Dibromoethane	107	Compound Not Detected.					
70	Chlorobenzene	112	Compound Not Detected.					
71	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
72	Ethylbenzene	106	Compound Not Detected.					
73	m + p-Xylene	106	Compound Not Detected.					
74	Xylene-o	106	Compound Not Detected.					
M 75	Xylenes (total)	106	Compound Not Detected.					
76	Styrene	104	Compound Not Detected.					
77	Bromoform	173	Compound Not Detected.					
78	Isopropylbenzene	105	Compound Not Detected.					
79	Bromobenzene	156	Compound Not Detected.					
81	n-Propylbenzene	120	Compound Not Detected.					
82	2-Chlorotoluene	126	Compound Not Detected.					
83	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
84	1,2,3-Trichloropropane	110	Compound Not Detected.					
85	4-Chlorotoluene	126	Compound Not Detected.					
86	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
87	tert-Butylbenzene	119	Compound Not Detected.					
88	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
89	sec-Butylbenzene	105	Compound Not Detected.					
90	4-Isopropyltoluene	119	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	n-Butylbenzene	91	Compound Not Detected.					
95	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Hexachlorobutadiene	225	Compound Not Detected.					
99	Naphthalene	128	Compound Not Detected.					
100	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
101	1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
102	Methyl acetate	43	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	Compound Not Detected.					
105 Methyl Cyclohexane	83	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

ENSR International

Client Sample ID: MW-5S-032008

GC/MS Volatiles

Lot-Sample #...:	C8C220144-003	**Work Order #...:**	KJ2901AA	**Matrix.....:**	WG
Date Sampled...:	03/20/08	**Date Received..:**	03/22/08	**MS Run #.....:**	8088144
Prep Date.....:	03/28/08	**Analysis Date..:**	03/28/08		
Prep Batch #...:	8088227	**Analysis Time..:**	10:53		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	034635	**Instrument ID..:**	HP6		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-5S-032008

GC/MS Volatiles

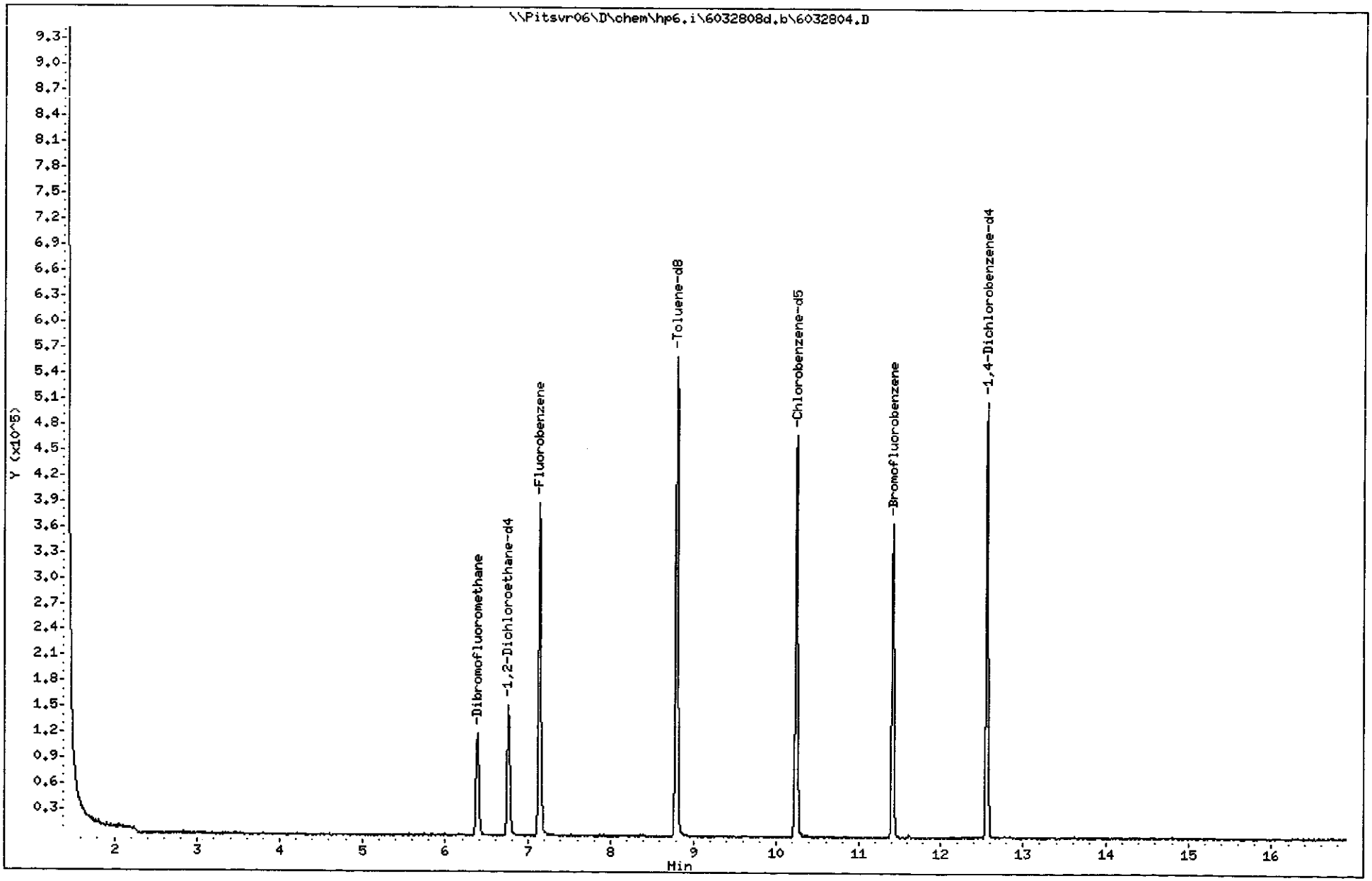
Lot-Sample #...: C8C220144-003 **Work Order #...:** KJ2901AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	92	(64 - 128)

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032804.D
Date : 28-MAR-2008 10:53
Client ID: MW-5S-032008
Sample Info: c8c220141-003 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 034635
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032804.D
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Inj Date : 28-MAR-2008 10:53
Operator : 034635 Inst ID: hp6.i
Smp Info : c8c220141-003 5ml
Misc Info : kj2901aa,6032808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 13:30 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	7.135	7.135	(1.000)	393038	50.0000	
* 69 Chlorobenzene-d5	119	10.238	10.238	(1.000)	96252	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.562	12.562	(1.000)	148406	50.0000	
$ 39 Dibromofluoromethane	113	6.381	6.381	(0.894)	87805	45.9916	9.198
$ 43 1,2-Dichloroethane-d4	65	6.758	6.752	(0.947)	121435	45.168	9.034
$ 59 Toluene-d8	98	8.796	8.796	(0.859)	394190	51.7338	10.35
$ 80 Bromofluorobenzene	95	11.406	11.406	(0.908)	157538	49.489	9.898
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
1 Dichlorodifluoromethane	85	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	81 n-Propylbenzene	120	Compound Not Detected.					
	82 2-Chlorotoluene	126	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	85 4-Chlorotoluene	126	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	87 tert-Butylbenzene	119	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	89 sec-Butylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	94 n-Butylbenzene	91	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Hexachlorobutadiene	225	Compound Not Detected.					
	99 Naphthalene	128	Compound Not Detected.					
	100 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	Compound Not Detected.					
105 Methyl Cyclohexane	83	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

ENSR International

Client Sample ID: MW-5D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-004	**Work Order #...:** KJ2931AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 11:16	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	**0.18 J**	**1.0**	**ug/L**	**0.13**

(Continued on next page)

ENSR International

Client Sample ID: MW-5D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-004 **Work Order #...:** KJ2931AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

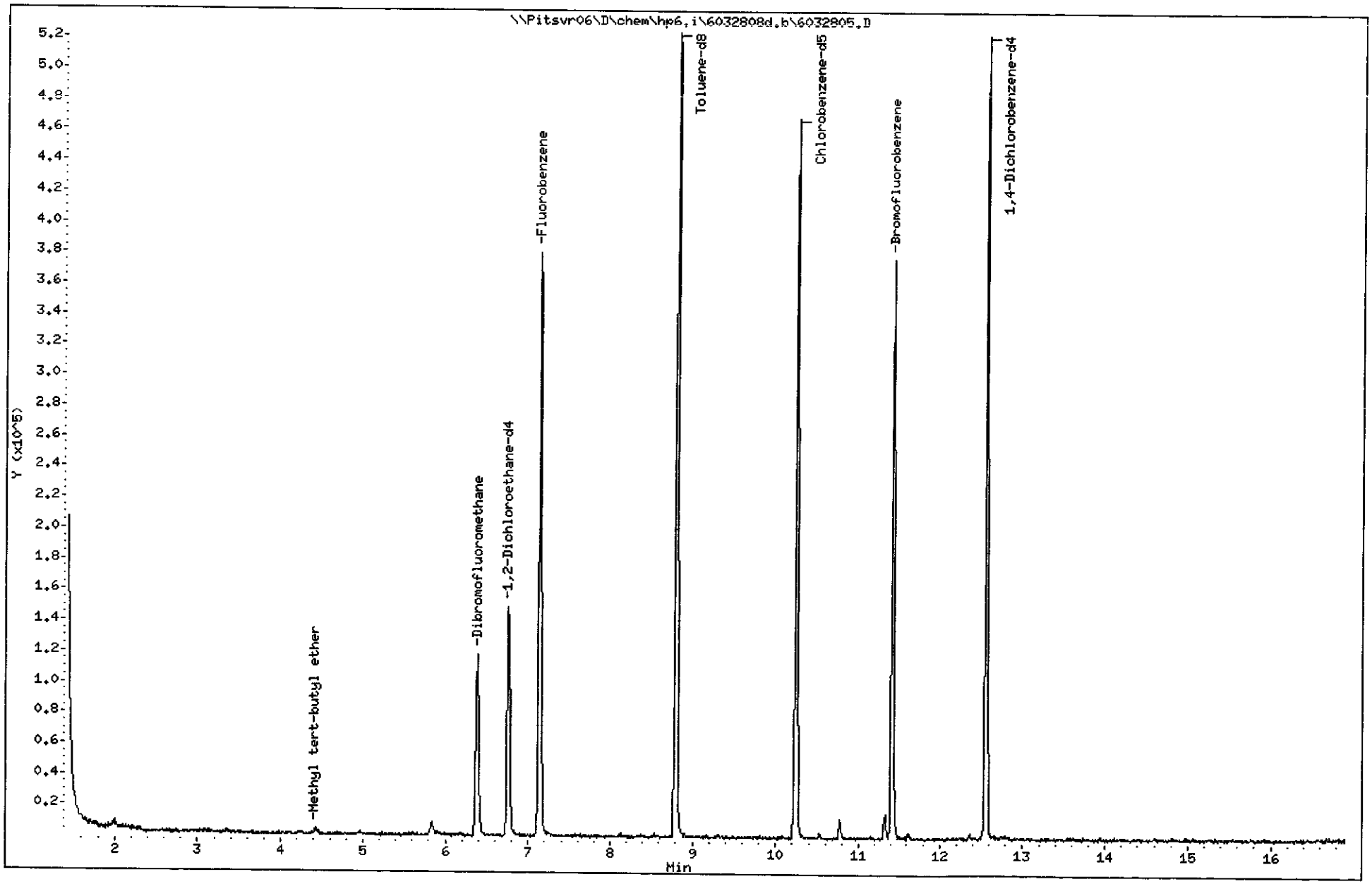
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	100	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032805.D
Date : 28-MAR-2008 11:16
Client ID: MW-5D-032008
Sample Info: c8c220141-004 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 034635
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032805.D
Lab Smp Id: kj2931aa Client Smp ID: MW-5D-032008
Inj Date : 28-MAR-2008 11:16
Operator : 034635 Inst ID: hp6.i
Smp Info : c8c220141-004 5ml
Misc Info : kj2931aa,6032808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 13:30 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
* 46 Fluorobenzene	96	7.133	7.135	(1.000)	387841	50.0000	
* 69 Chlorobenzene-d5	119	10.236	10.238	(1.000)	92515	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.560	12.562	(1.000)	147011	50.0000	
$ 39 Dibromofluoromethane	113	6.379	6.381	(0.894)	89684	47.6053	9.521
$ 43 1,2-Dichloroethane-d4	65	6.750	6.752	(0.946)	121654	45.8559	9.171
$ 59 Toluene-d8	98	8.800	8.796	(0.860)	372635	50.8803	10.18
$ 80 Bromofluorobenzene	95	11.410	11.406	(0.908)	157776	50.0344	10.01
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
1 Dichlorodifluoromethane	85	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	4.414	4.428	(0.619)	4888	0.89947	0.1799
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	81 n-Propylbenzene	120	Compound Not Detected.					
	82 2-Chlorotoluene	126	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	85 4-Chlorotoluene	126	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	87 tert-Butylbenzene	119	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	89 sec-Butylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	94 n-Butylbenzene	91	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Hexachlorobutadiene	225	Compound Not Detected.					
	99 Naphthalene	128	Compound Not Detected.					
	100 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	Compound Not Detected.					
105 Methyl Cyclohexane	83	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032805.D

Date : 28-MAR-2008 11:16

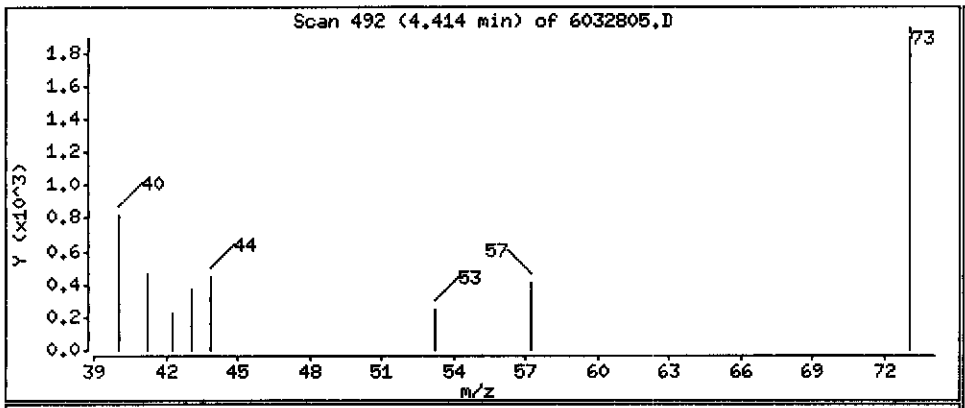
Client ID: MW-5D-032008 Instrument: hp6.i

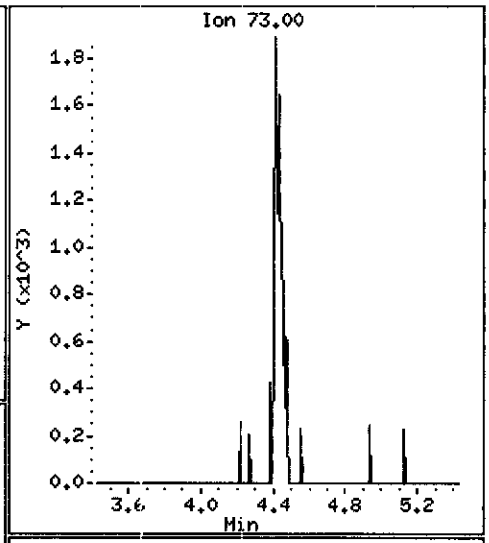
Sample Info: c8c220141-004 5ml

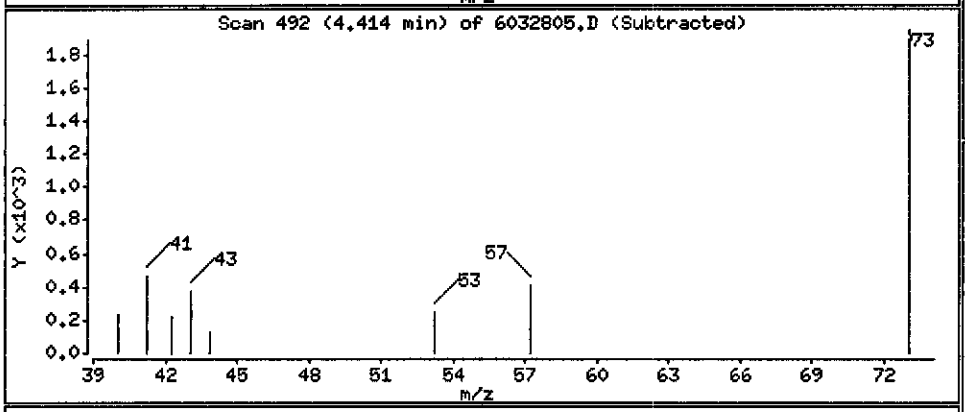
Purge Volume: 5.0 Operator: 034635

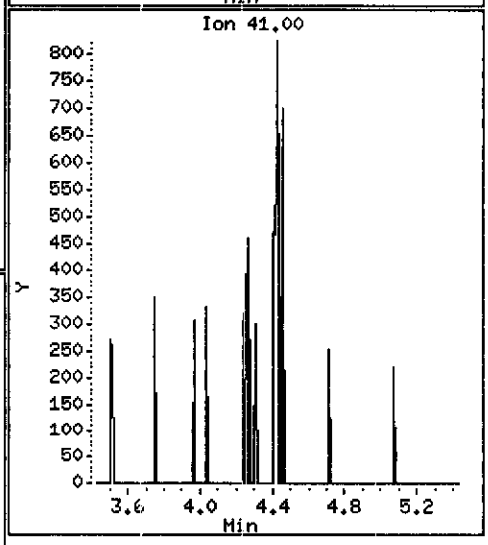
Column phase: DB 624 Column diameter: 0.20

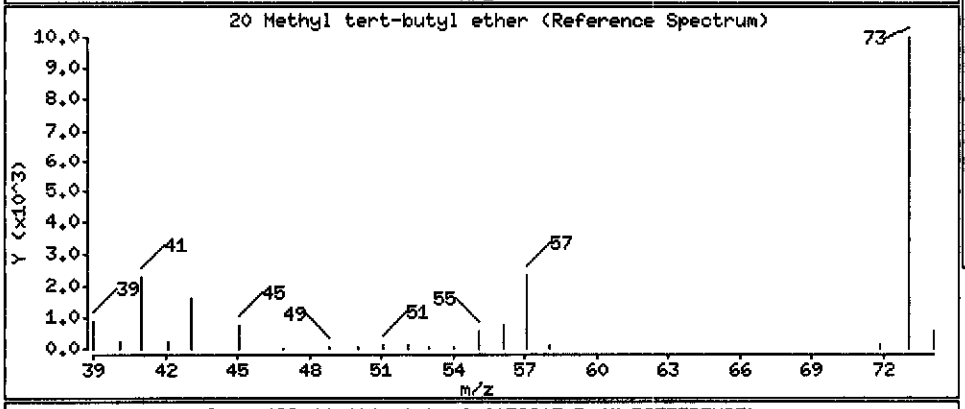
20 Methyl tert-butyl ether Concentration: 0.1799 UG/L

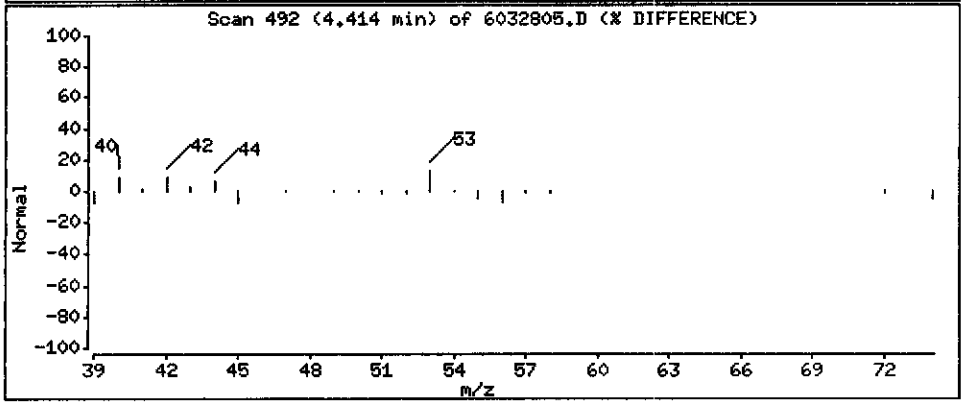












ENSR International

Client Sample ID: MW-1S-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-005	**Work Order #...:** KJ2971AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 16:04	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-1S-032008

GC/MS Volatiles

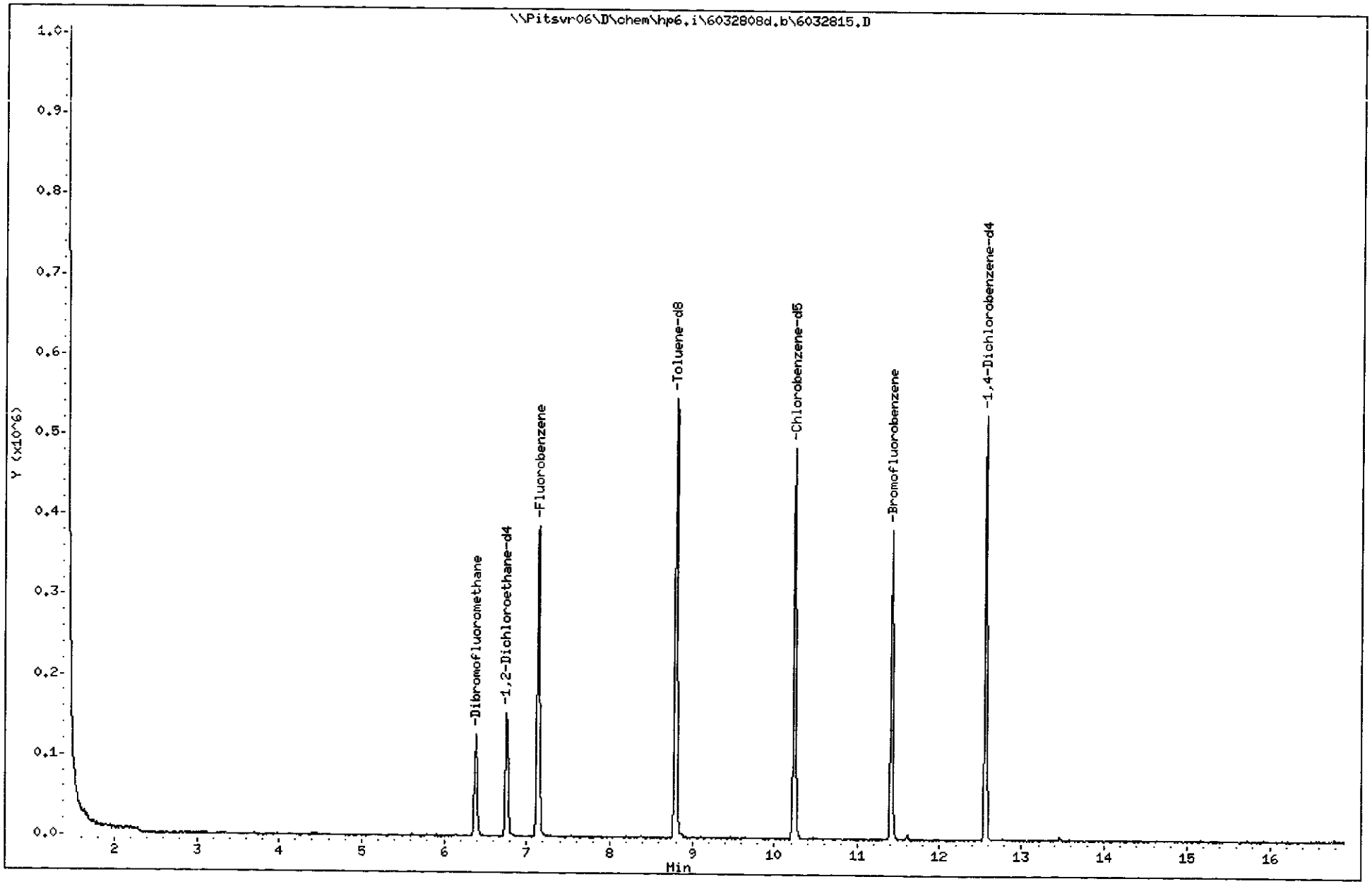
Lot-Sample #...: C8C220144-005 **Work Order #...:** KJ2971AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	94	(64 - 128)

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032815.D
Date : 28-MAR-2008 16:04
Client ID: MW-1S-032008
Sample Info: c8c220144-005 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 403419
Column diameter: 0.20



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VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032815.D
Lab Smp Id: kj2971aa Client Smp ID: MW-1S-032008
Inj Date : 28-MAR-2008 16:04
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220144-005 5ml
Misc Info : kj2971aa,6032808d.b,8260ee.m,1-42.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 15:05 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-42.sub
Target Version: 4.14
Processing Host: PITSVR06

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)	
*	46 Fluorobenzene	96	7.138	7.135	(1.000)	395717	50.0000		
*	69 Chlorobenzene-d5	119	10.235	10.238	(1.000)	92067	50.0000		(Q)
*	92 1,4-Dichlorobenzene-d4	152	12.559	12.562	(1.000)	150320	50.0000		
$	39 Dibromofluoromethane	113	6.384	6.381	(0.894)	90553	47.1099	9.422	
$	43 1,2-Dichloroethane-d4	65	6.755	6.752	(0.946)	121077	44.7300	8.946	
$	59 Toluene-d8	98	8.793	8.796	(0.859)	390524	53.5824	10.72	
$	80 Bromofluorobenzene	95	11.409	11.406	(0.908)	155483	48.2218	9.544	
	1 Dichlorodifluoromethane	85	Compound Not Detected.						
	2 Chloromethane	50	Compound Not Detected.						
	3 Vinyl Chloride	62	Compound Not Detected.						
	4 Bromomethane	94	Compound Not Detected.						
	5 Chloroethane	64	Compound Not Detected.						
	6 Trichlorofluoromethane	101	Compound Not Detected.						
	12 1,1-Dichloroethene	96	Compound Not Detected.						
	13 Acetone	43	Compound Not Detected.						
	15 Carbon Disulfide	76	Compound Not Detected.						
	18 Methylene Chloride	84	Compound Not Detected.						
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.						
	20 Methyl tert-butyl ether	73	Compound Not Detected.						
	24 1,1-Dichloroethane	63	Compound Not Detected.						
	27 2,2-Dichloropropane	77	Compound Not Detected.						
	28 cis-1,2-dichloroethene	96	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					
	104 Cyclohexane	56	Compound Not Detected.					
	105 Methyl Cyclohexane	83	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

ENSR International

Client Sample ID: SUMP-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-006	**Work Order #...:** KJ2991AA	**Matrix.....:** WS
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 16:28	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: SUMP-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-006 **Work Order #...:** KJ2991AA **Matrix.....:** WS

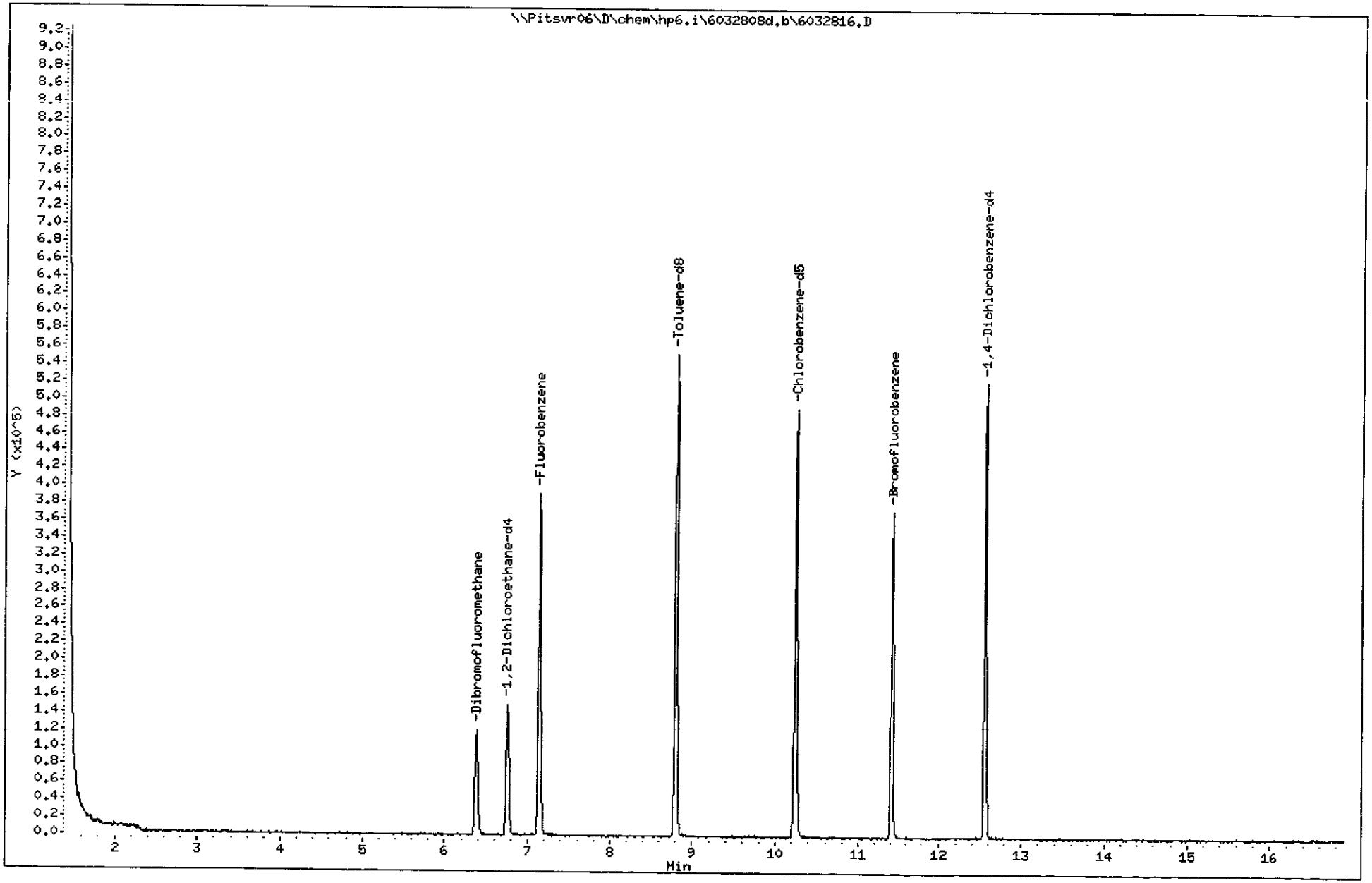
PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032816.D
Date : 28-MAR-2008 16:28
Client ID: SUMP-032008
Sample Info: c8c220144-006 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i

Operator: 403419
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032816.D
Lab Smp Id: kj2991aa Client Smp ID: SUMP-032008
Inj Date : 28-MAR-2008 16:28
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220144-006 5ml
Misc Info : kj2991aa,6032808d.b,8260ee.m,1-42.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 15:05 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-42.sub
Target Version: 4.14
Processing Host: PITSVR06

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
*	46 Fluorobenzene	96	7.135	7.135	(1.000)	394705	50.0000	
*	69 Chlorobenzene-d5	119	10.238	10.238	(1.000)	97567	50.0000	
*	92 1,4-Dichlorobenzene-d4	152	12.562	12.562	(1.000)	147239	50.0000	
$	39 Dibromofluoromethane	113	6.387	6.381	(0.895)	91399	47.6719	9.534
$	43 1,2-Dichloroethane-d4	65	6.758	6.752	(0.947)	125142	46.3503	9.270
$	59 Toluene-d8	98	8.796	8.796	(0.859)	390022	50.4969	10.10
$	80 Bromofluorobenzene	95	11.406	11.406	(0.908)	154492	48.917[illegible]	9.783
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
	3 Vinyl Chloride	62	Compound Not Detected.					
	4 Bromomethane	94	Compound Not Detected.					
	5 Chloroethane	64	Compound Not Detected.					
	6 Trichlorofluoromethane	101	Compound Not Detected.					
	12 1,1-Dichloroethene	96	Compound Not Detected.					
	13 Acetone	43	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	18 Methylene Chloride	84	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	20 Methyl tert-butyl ether	73	Compound Not Detected.					
	24 1,1-Dichloroethane	63	Compound Not Detected.					
	27 2,2-Dichloropropane	77	Compound Not Detected.					
	28 cis-1,2-dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					
	104 Cyclohexane	56	Compound Not Detected.					
	105 Methyl Cyclohexane	83	Compound Not Detected.					

ENSR International

Client Sample ID: MW-6D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-007	**Work Order #...:** KJ3AD1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 16:51	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**8.6**	**5.0**	**ug/L**	**2.5**
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	**1.3 J**	**5.0**	**ug/L**	**0.65**
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-6D-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-007 **Work Order #...:** KJ3AD1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	92	(64 - 128)

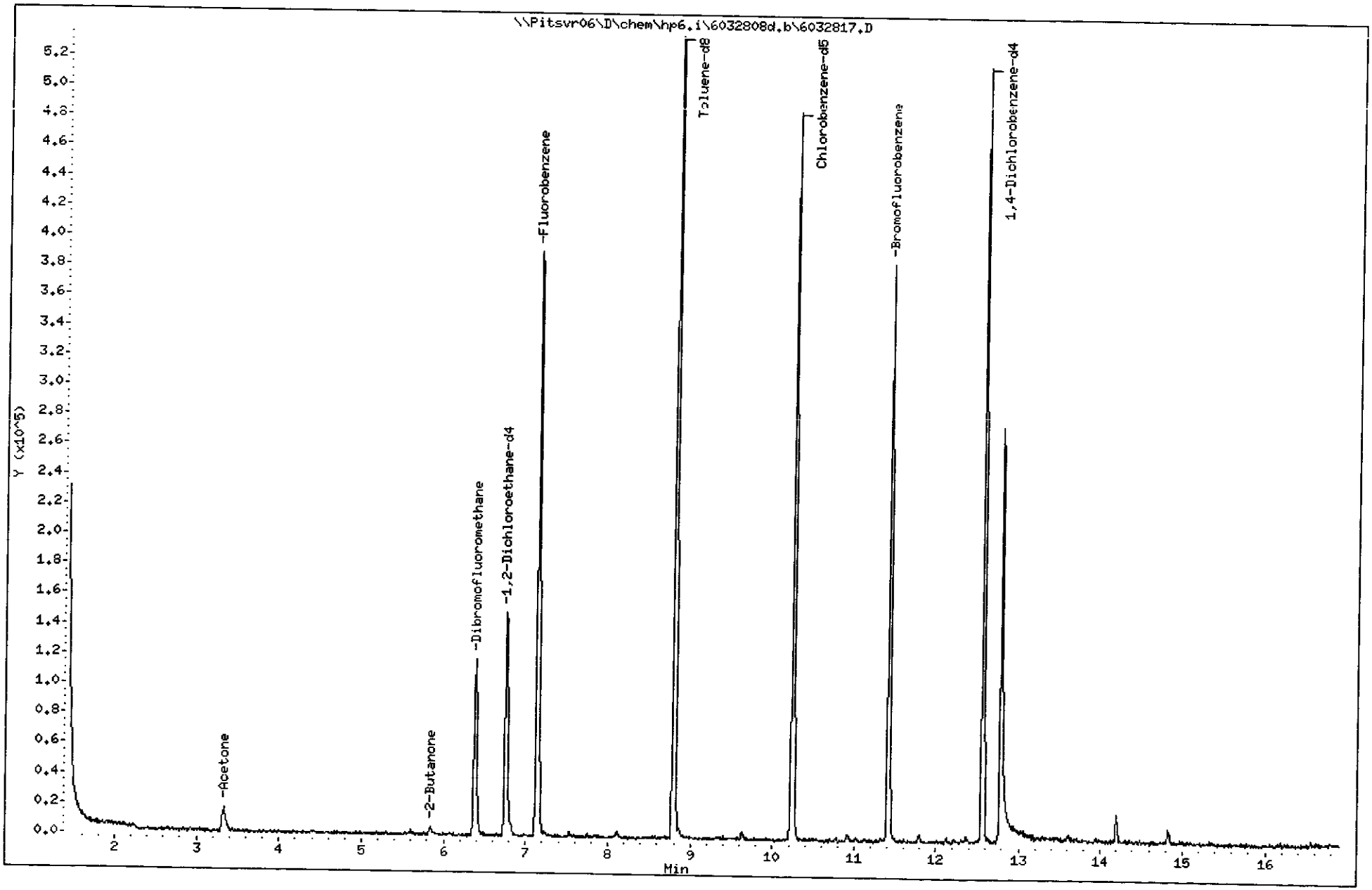
NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032817.D
Date : 28-MAR-2008 16:51
Client ID:
Sample Info: c8c220144-007 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i

Operator: 403419
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032817.D
Lab Smp Id: kj2ad1aa
Inj Date : 28-MAR-2008 16:51
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220144-007 5ml
Misc Info : kj2ad1aa,6032808d.b,8260ee.m,1-42.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 15:05 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F6031 8.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-42.sub
Target Version: 4.14
Processing Host: PITSVR06

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
* 46 Fluorobenzene	96	7.132	7.135	(1.000)	397122	50.0000	
* 69 Chlorobenzene-d5	119	10.240	10.238	(1.000)	96067	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.558	12.562	(1.000)	148607	50.0000	
$ 39 Dibromofluoromethane	113	6.384	6.381	(0.895)	88852	46.0614	9.212
$ 43 1,2-Dichloroethane-d4	65	6.755	6.752	(0.947)	124289	45.7542	9.151
$ 59 Toluene-d8	98	8.799	8.796	(0.859)	392153	51.5655	10.31
$ 80 Bromofluorobenzene	95	11.408	11.406	(0.908)	153877	48.2739	9.655
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	3.336	3.339	(0.468)	35853	42.9237	8.585
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	5.842	5.827	(0.819)	7362	6.49572	1.299
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					
	104 Cyclohexane	56	Compound Not Detected.					
	105 Methyl Cyclohexane	83	Compound Not Detected.					

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032817.D

Date : 28-MAR-2008 16:51

Client ID:

Instrument: hp6.i

Sample Info: c8c220144-007 5ml

Purge Volume: 5.0

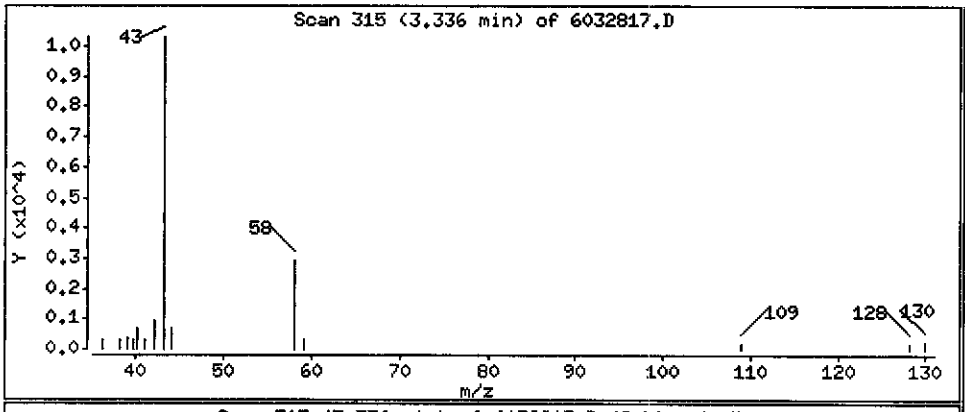
Operator: 403419

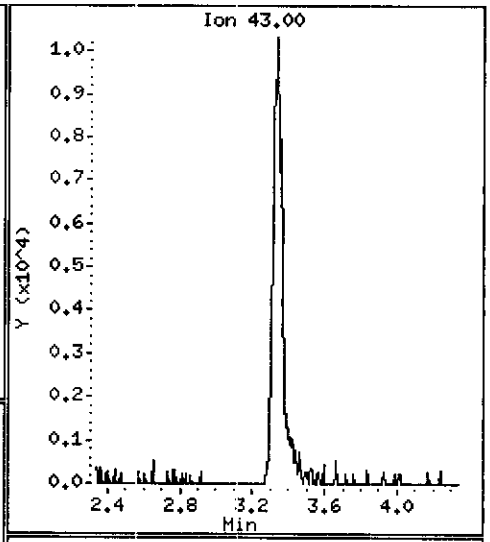
Column phase: DB 624

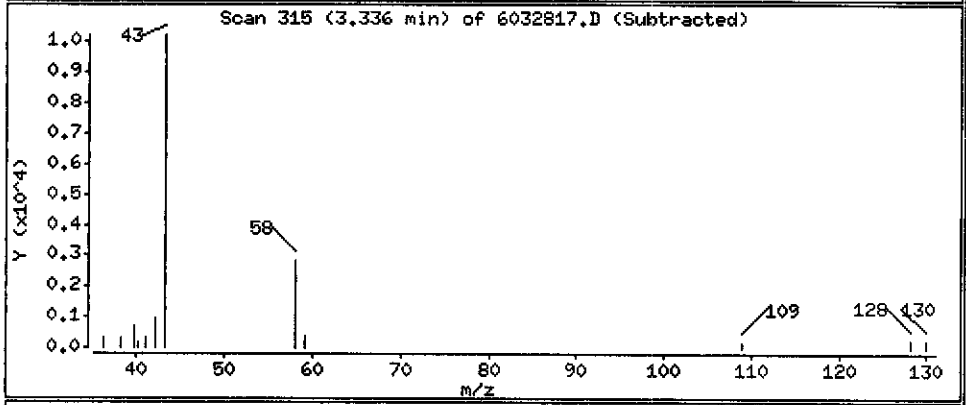
Column diameter: 0.20

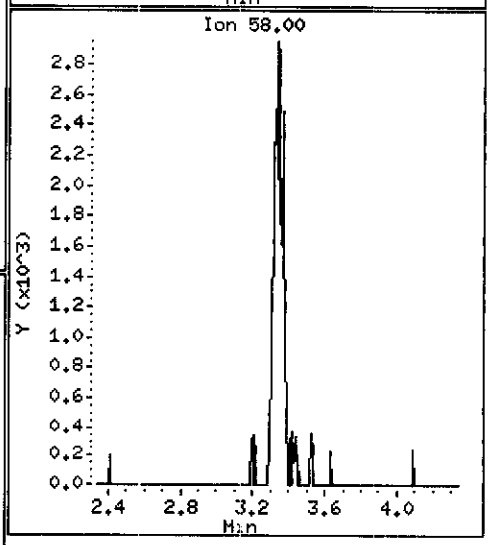
13 Acetone

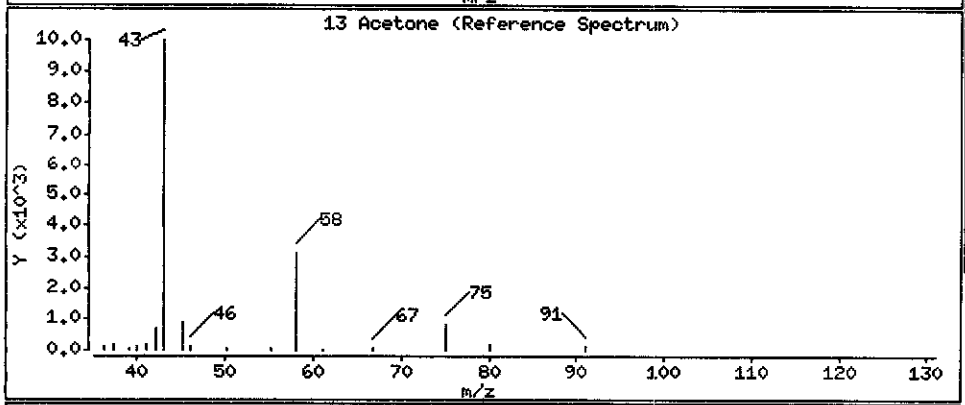
Concentration: 8.585 UG/L

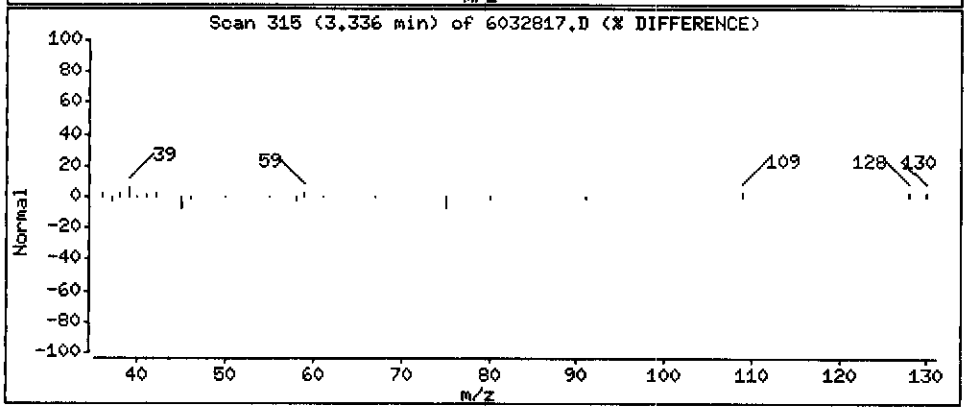












Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032817.D

Date : 28-MAR-2008 16:51

Client ID:

Instrument: hp6.i

Sample Info: c8c220144-007 5ml

Purge Volume: 5.0

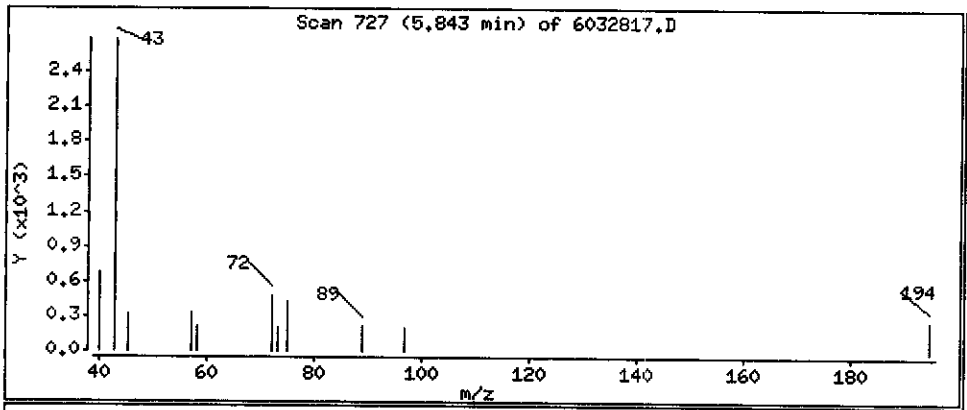
Operator: 403419

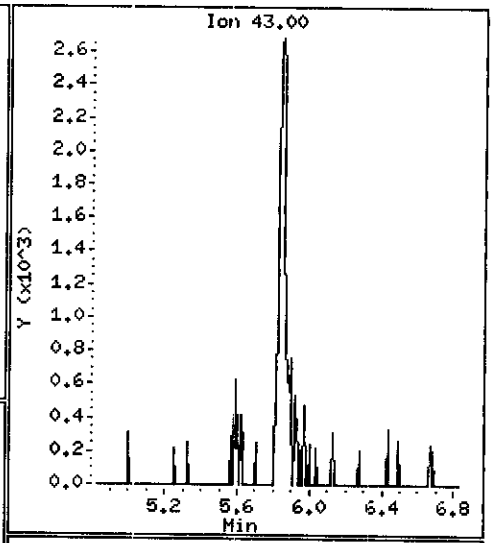
Column phase: DB 624

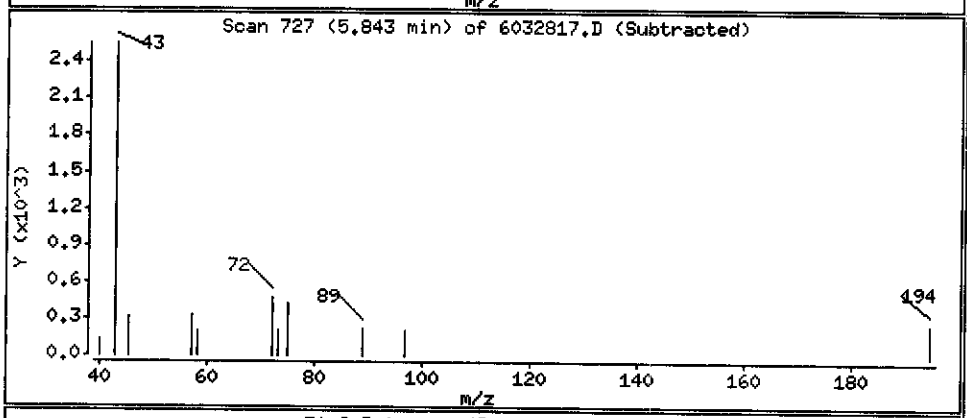
Column diameter: 0.20

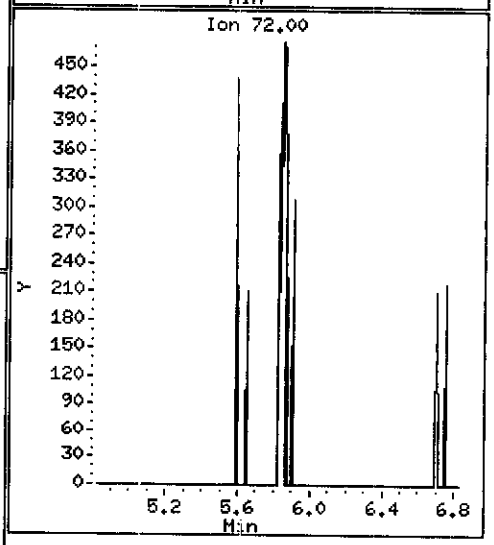
31 2-Butanone

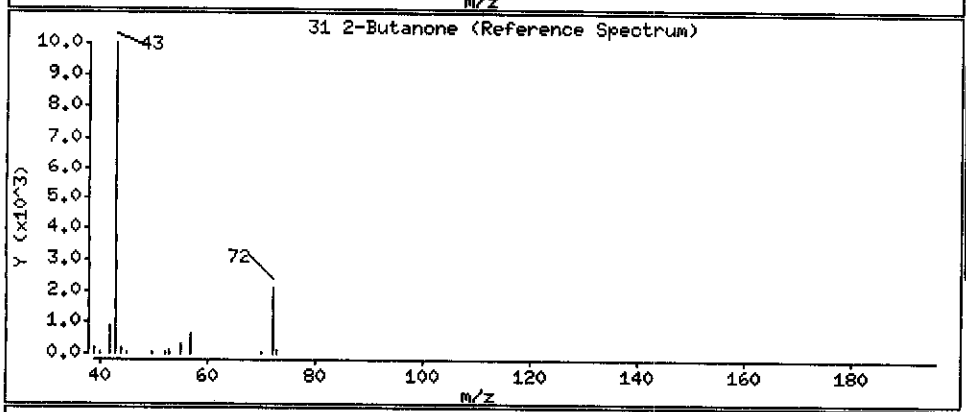
Concentration: 1.299 UG/L

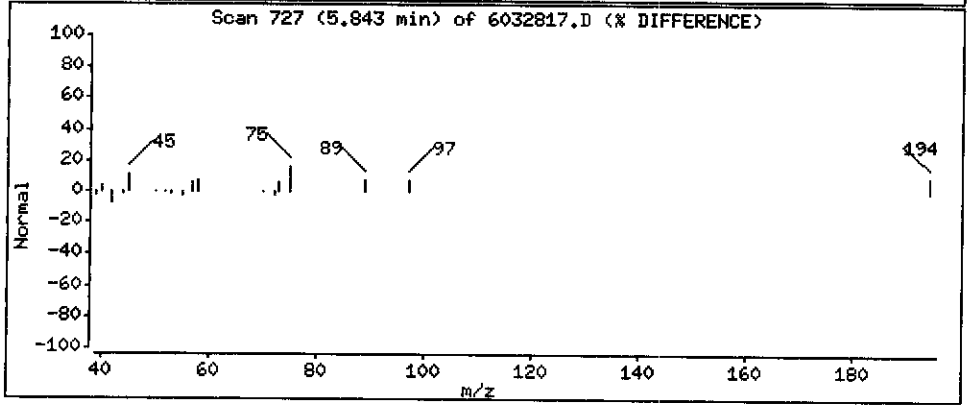












ENSR International

Client Sample ID: MW-02-032008

GC/MS Volatiles

Lot-Sample #...:	C8C220144-008	**Work Order #...:**	KJ3AG1AA	**Matrix.....:**	WG
Date Sampled...:	03/20/08	**Date Received..:**	03/22/08	**MS Run #.....:**	8089057
Prep Date.....:	03/29/08	**Analysis Date..:**	03/29/08		
Prep Batch #...:	8089100	**Analysis Time..:**	17:03		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	403419	**Instrument ID..:**	HP6		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.25
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**0.30 J**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-02-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-008 **Work Order #...:** KJ3AG1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	98	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

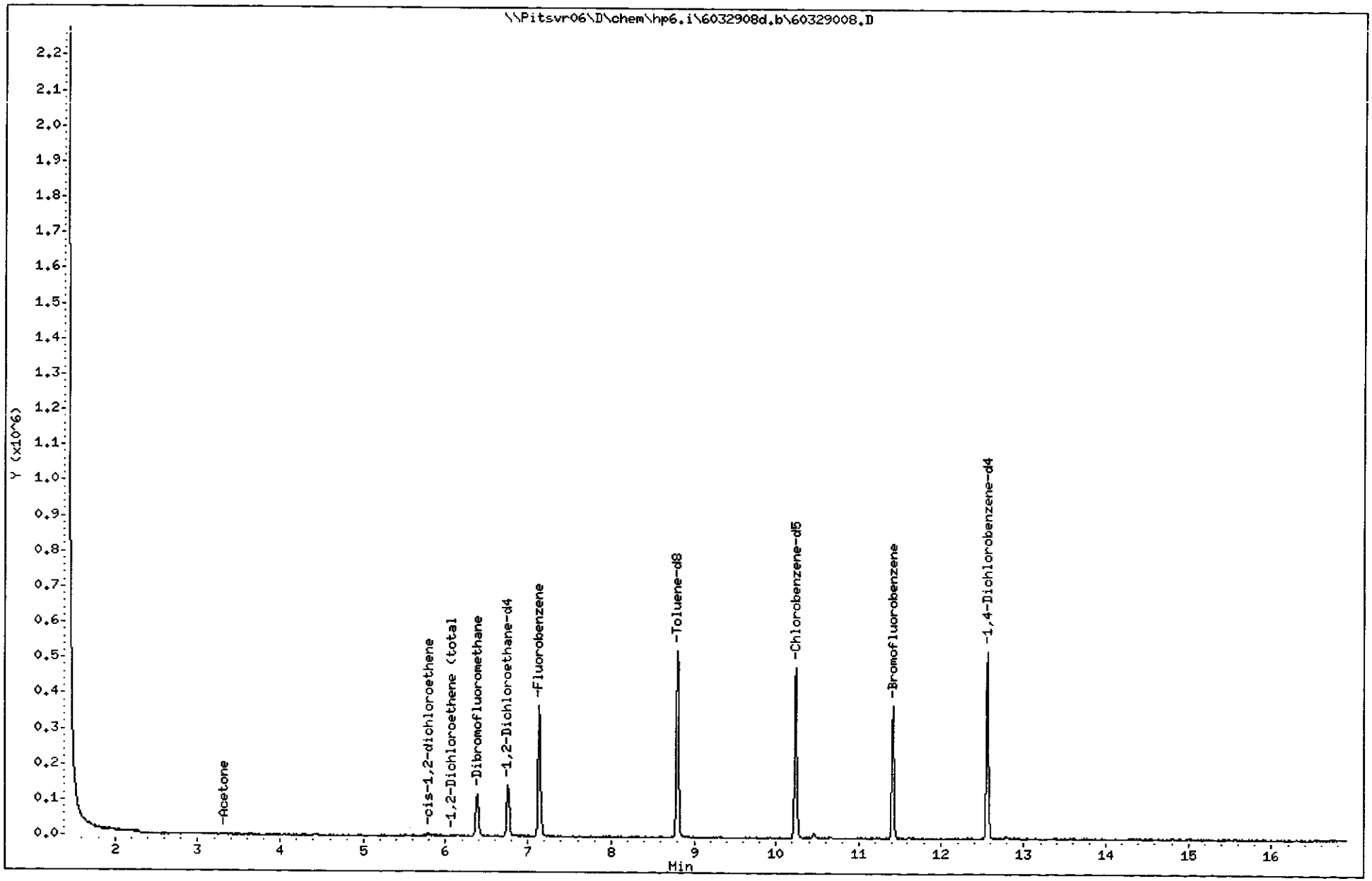
NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329008.D
Date : 29-MAR-2008 17:03
Client ID: MW-02-032008
Sample Info: c8c220144-008 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i

Operator: 403419
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329008.D
Lab Smp Id: kj3ag1aa Client Smp ID: MW-02-032008
Inj Date : 29-MAR-2008 17:03
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220144-008 5ml
Misc Info : kj3ag1aa,6032908d.b,8260ee.m,1-42.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m
Meth Date : 29-Mar-2008 13:54 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-42.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

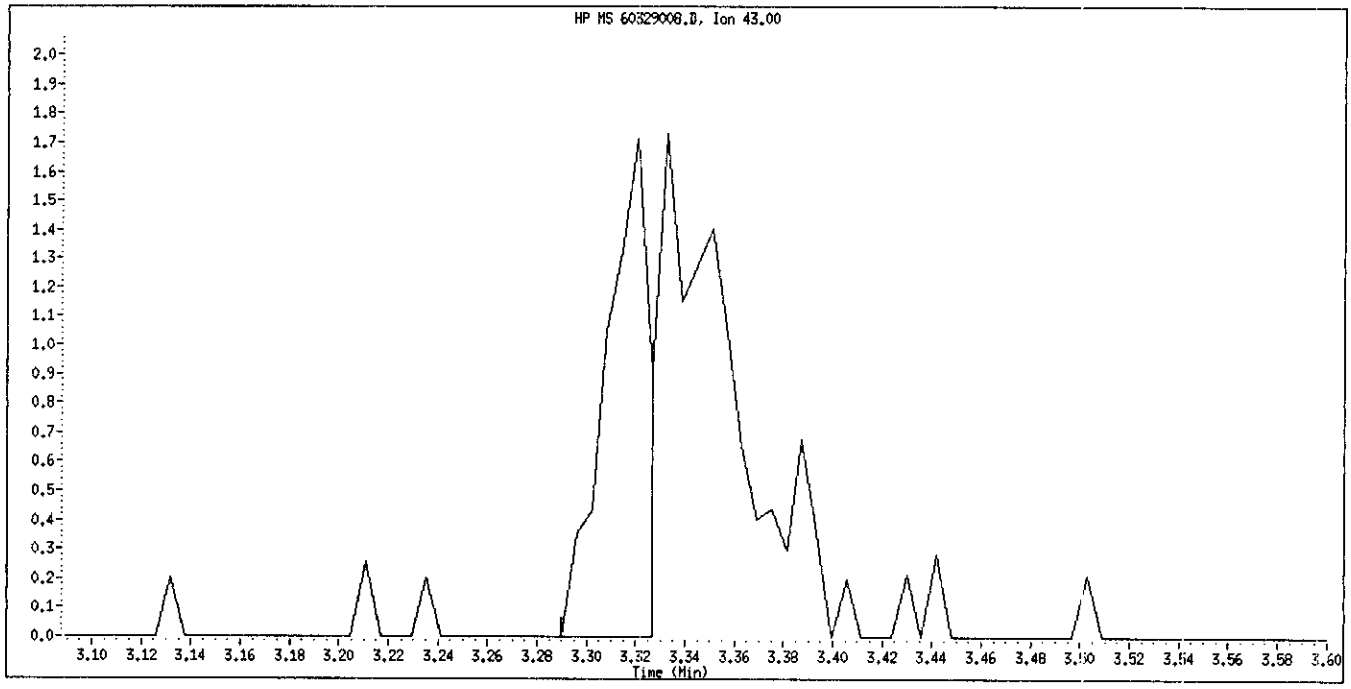
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
*	46 Fluorobenzene	96	7.134	7.129	(1.000)	379731	50.0000	
*	69 Chlorobenzene-d5	119	10.237	10.238	(1.000)	95109	50.0000	
*	92 1,4-Dichlorobenzene-d4	152	12.561	12.562	(1.000)	145323	50.0000	
$	39 Dibromofluoromethane	113	6.380	6.375	(0.894)	88006	47.7123	9.542
$	43 1,2-Dichloroethane-d4	65	6.751	6.752	(0.946)	120231	46.2871	9.257
$	59 Toluene-d8	98	8.795	8.790	(0.859)	376967	50.0680	10.01
$	80 Bromofluorobenzene	95	11.405	11.406	(0.908)	153223	49.1550	9.831
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
	3 Vinyl Chloride	62	Compound Not Detected.					
	4 Bromomethane	94	Compound Not Detected.					
	5 Chloroethane	64	Compound Not Detected.					
	6 Trichlorofluoromethane	101	Compound Not Detected.					
	12 1,1-Dichloroethene	96	Compound Not Detected.					
	13 Acetone	43	3.332	3.327	(0.467)	5552	6.95134	1.390(M)
	15 Carbon Disulfide	76	Compound Not Detected.					
	18 Methylene Chloride	84	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	20 Methyl tert-butyl ether	73	Compound Not Detected.					
	24 1,1-Dichloroethane	63	Compound Not Detected.					
	27 2,2-Dichloropropane	77	Compound Not Detected.					
	28 cis-1,2-dichloroethene	96	5.790	5.779	(0.812)	3225	1.47995	0.2960(Q)
M	29 1,2-Dichloroethene (total)	96				3225	1.47995	0.2960
	30 Bromochloromethane	128	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					
	104 Cyclohexane	56	Compound Not Detected.					
	105 Methyl Cyclohexane	83	Compound Not Detected.					

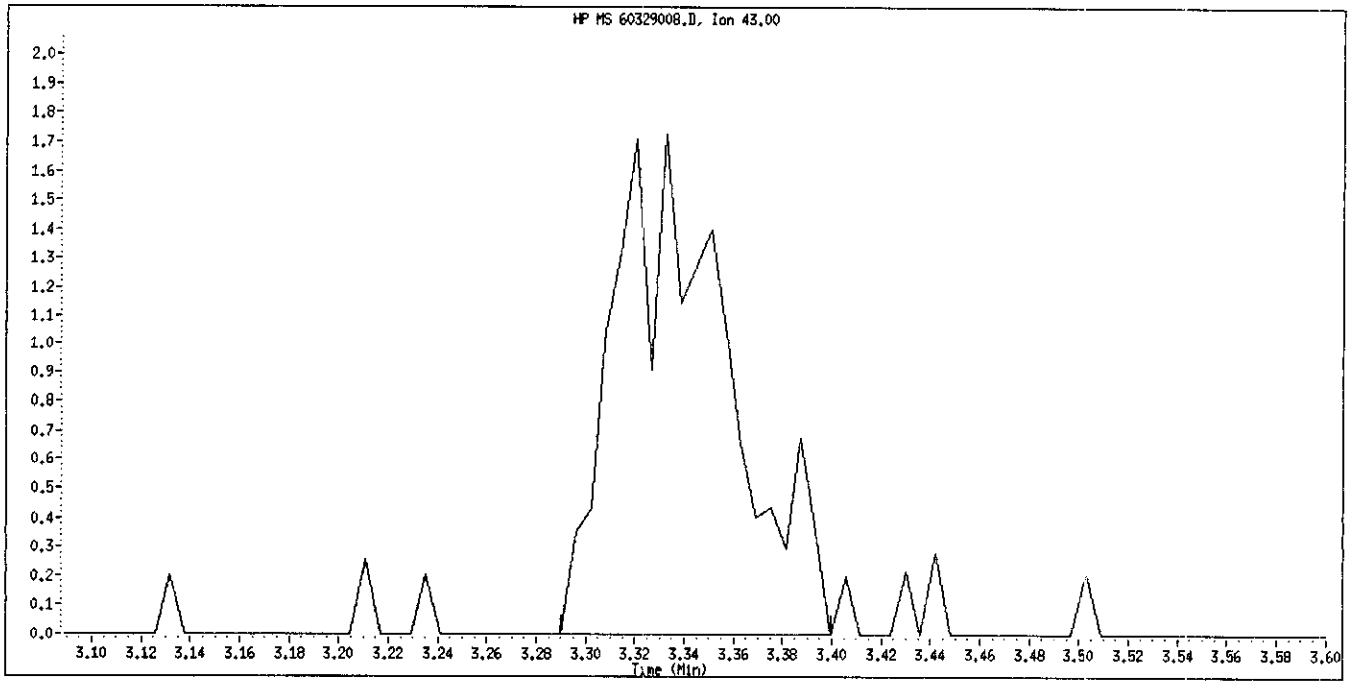
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: 60329008.D
Inj. Date and Time: 29-MAR-2008 17:03
Instrument ID: hp6.i
Client ID: MW-02-032008
Compound Name: Acetone
CAS #: 67-64-1
Report Date: 03/29/2008



Original Integration



Manual Integration

Manually Integrated By: stumpm
Manual Integration Reason: Unknown

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329008.D

Date : 29-MAR-2008 17:03

Client ID: MW-02-032008

Instrument: hp6.i

Sample Info: c8c220144-008 5ml

Purge Volume: 5.0

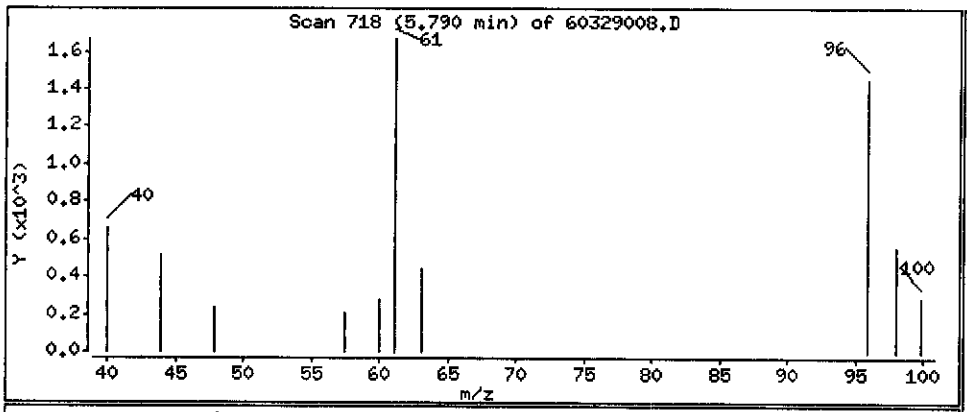
Operator: 403419

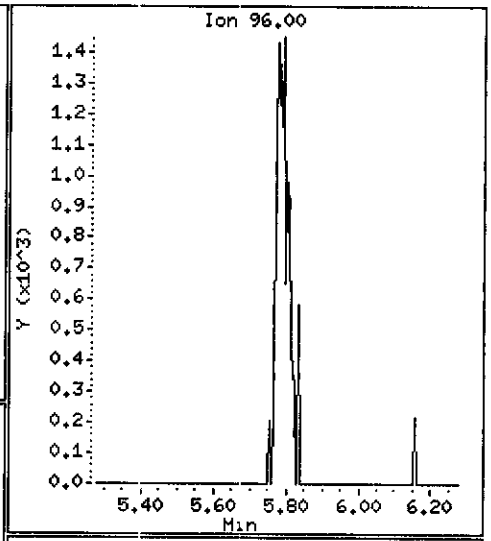
Column phase: DB 624

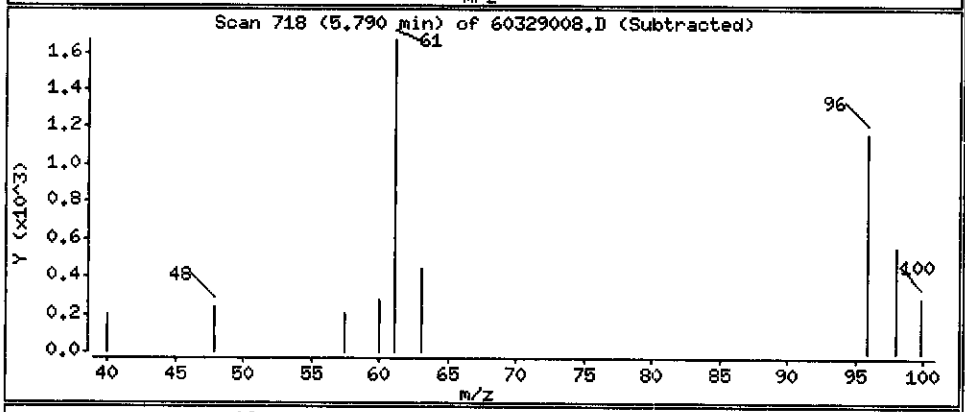
Column diameter: 0.20

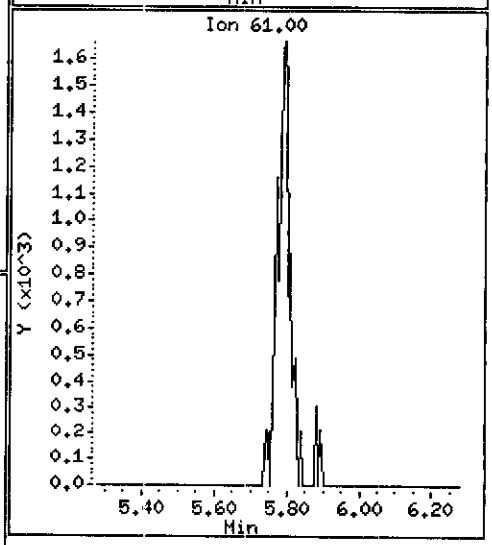
28 cis-1,2-dichloroethene

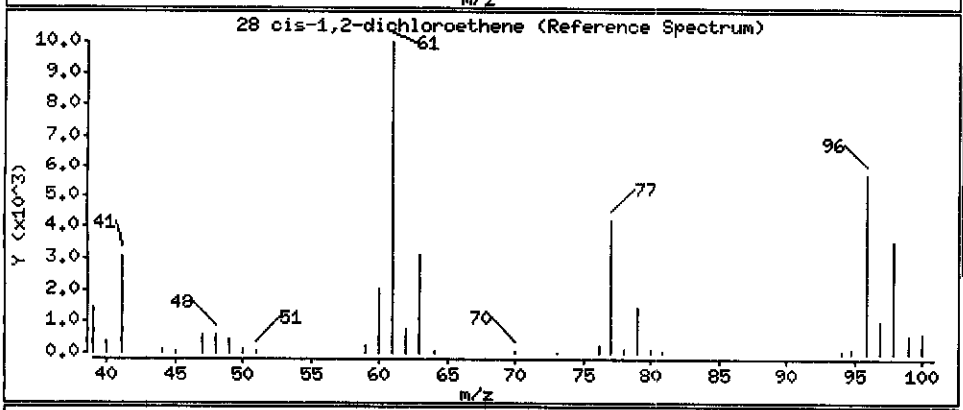
Concentration: 0.2960 UG/L

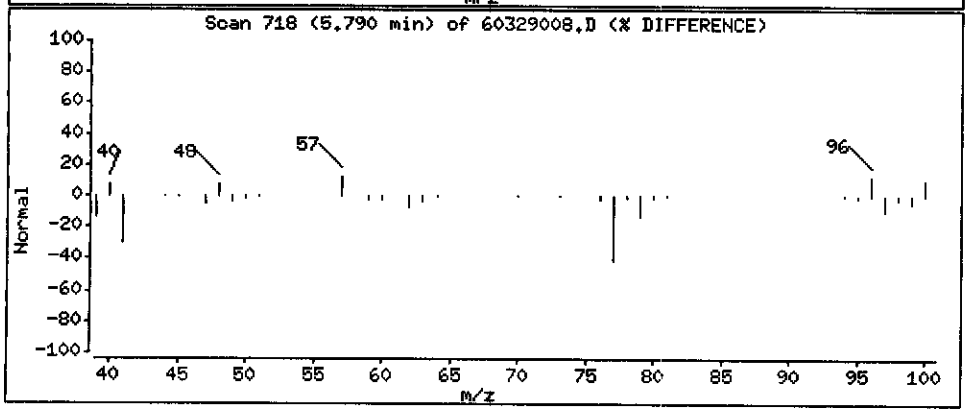












ENSR International

Client Sample ID: MW-02-032008 DUP

GC/MS Volatiles

Lot-Sample #...: C8C220144-009	**Work Order #...:** KJ3AJ1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 17:26	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**0.26 J**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: MW-02-032008 DUP

GC/MS Volatiles

Lot-Sample #...: C8C220144-009 **Work Order #...:** KJ3AJ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	91	(64 - 128)

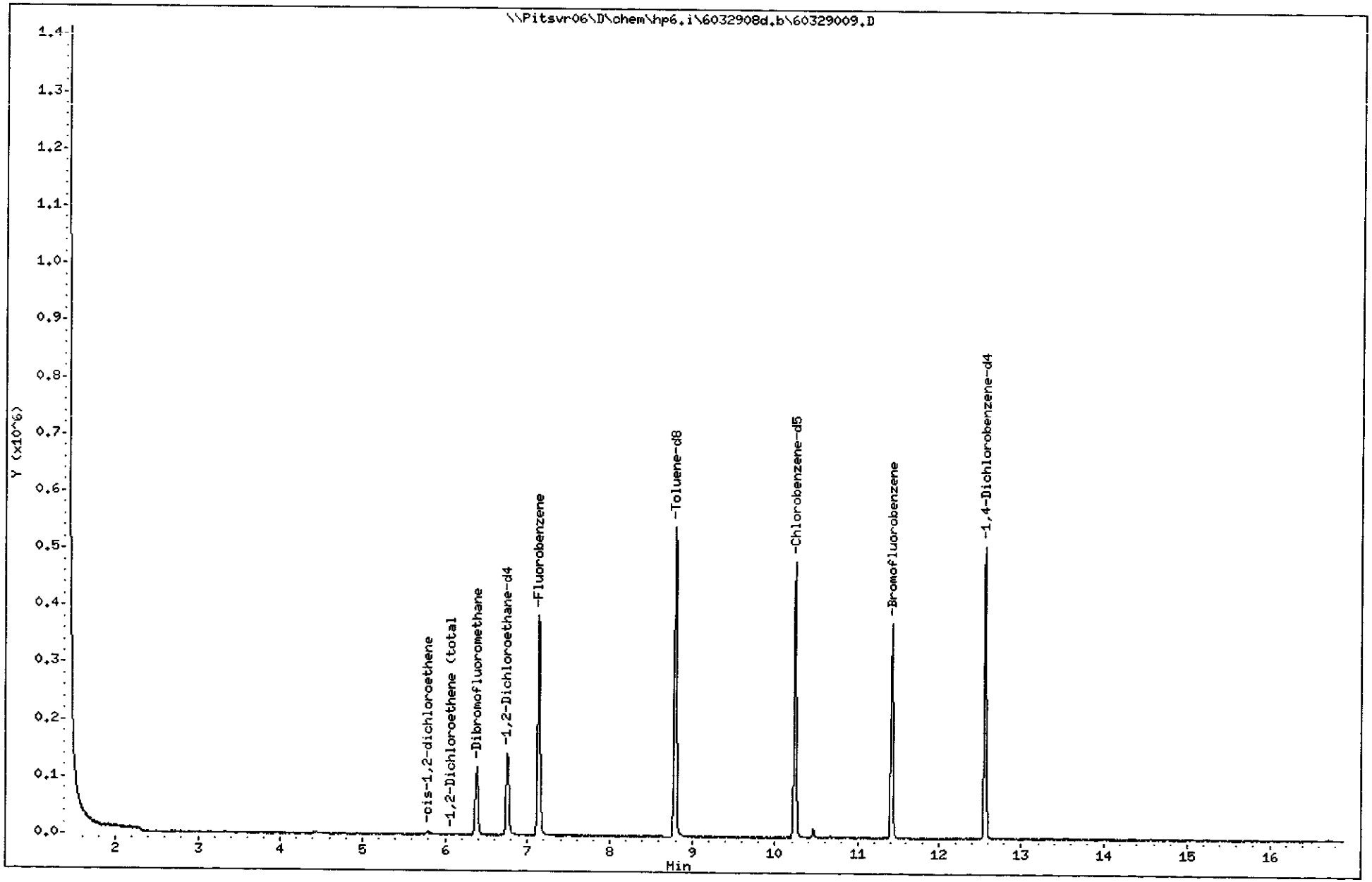
NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329009.D
Date : 29-MAR-2008 17:26
Client ID: MW-02-032008DUP
Sample Info: c8c220144-009 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i

Operator: 403419
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329009.D
Lab Smp Id: kj3aj1aa Client Smp ID: MW-02-032008DUP
Inj Date : 29-MAR-2008 17:26
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220144-009 5ml
Misc Info : kj3aj1aa,6032908d.b,8260ee.m,1-42.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m
Meth Date : 29-Mar-2008 13:54 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-42.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	7.132	7.129	(1.000)	391875	50.0000	
* 69 Chlorobenzene-d5	119	10.235	10.238	(1.000)	95353	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.559	12.562	(1.000)	150270	50.0000	
$ 39 Dibromofluoromethane	113	6.378	6.375	(0.894)	86878	45.6411	9.128
$ 43 1,2-Dichloroethane-d4	65	6.755	6.752	(0.947)	119192	44.4654	8.893
$ 59 Toluene-d8	98	8.793	8.790	(0.859)	378524	50.1461	10.03
$ 80 Bromofluorobenzene	95	11.403	11.406	(0.908)	153638	47.6655	9.533
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	5.788	5.779	(0.812)	2969	1.32025	0.2640

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96				2969	1.32025	0.2640
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					
	104 Cyclohexane	56	Compound Not Detected.					
	105 Methyl Cyclohexane	83	Compound Not Detected.					

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329009.D

Date : 29-MAR-2008 17:26

Client ID: MW-02-032008DUP

Instrument: hp6.i

Sample Info: c8c220144-009 5ml

Purge Volume: 5.0

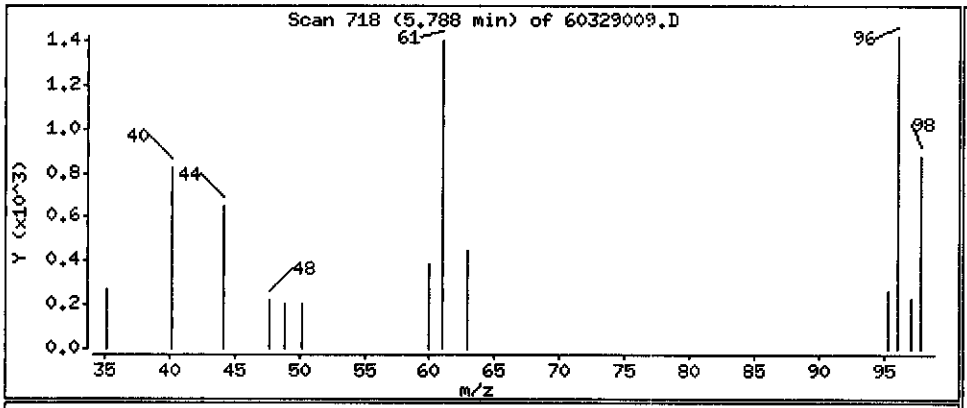
Operator: 403419

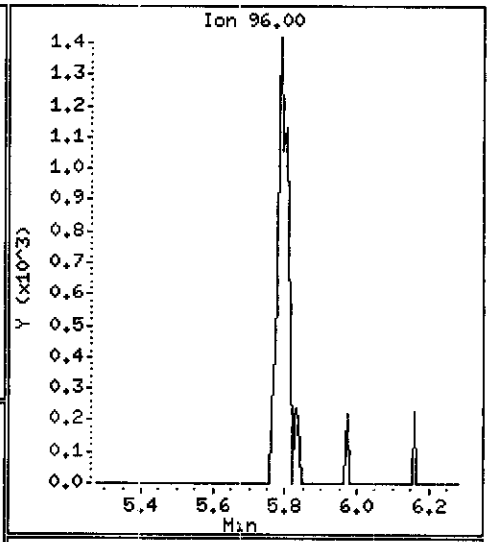
Column phase: DB 624

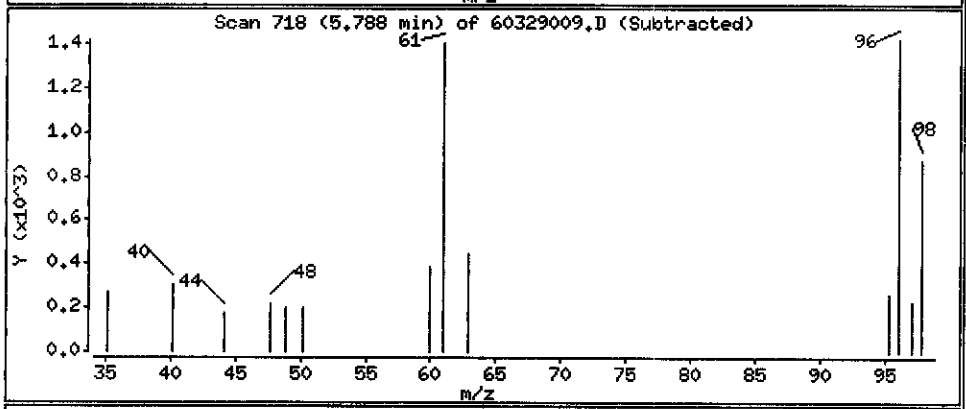
Column diameter: 0.20

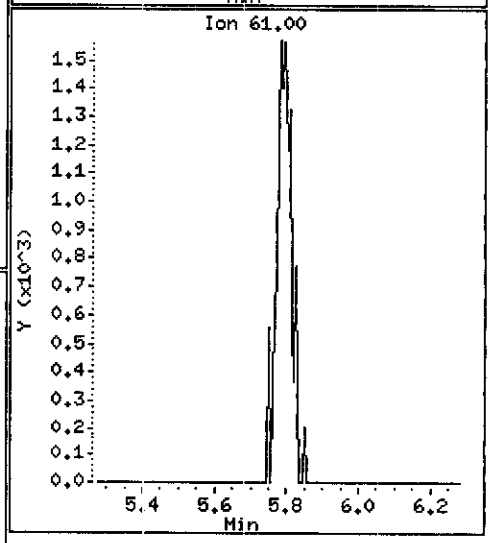
28 cis-1,2-dichloroethene

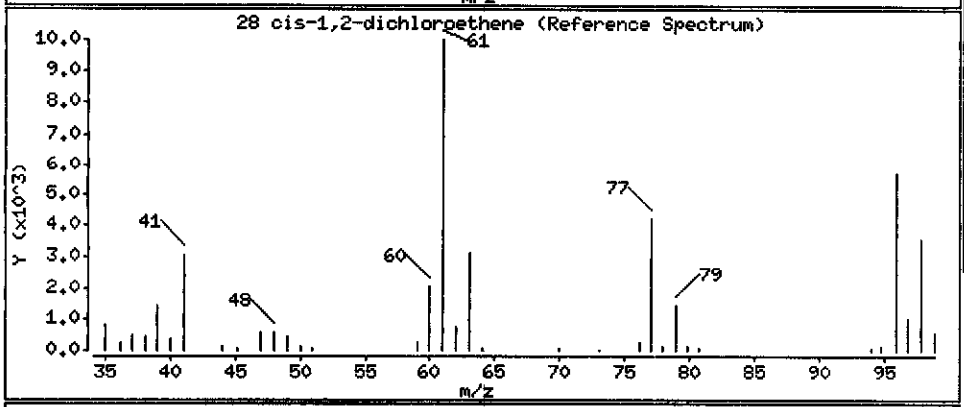
Concentration: 0.2640 UG/L

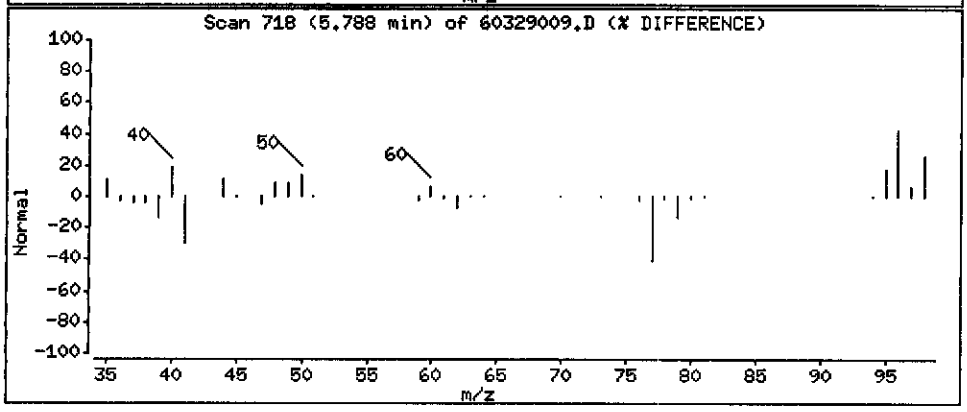












ENSR International

Client Sample ID: TB-01-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-010	**Work Order #...:** KJ3AK1AA	**Matrix.....:** WQ
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 16:39	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: TB-01-032008

GC/MS Volatiles

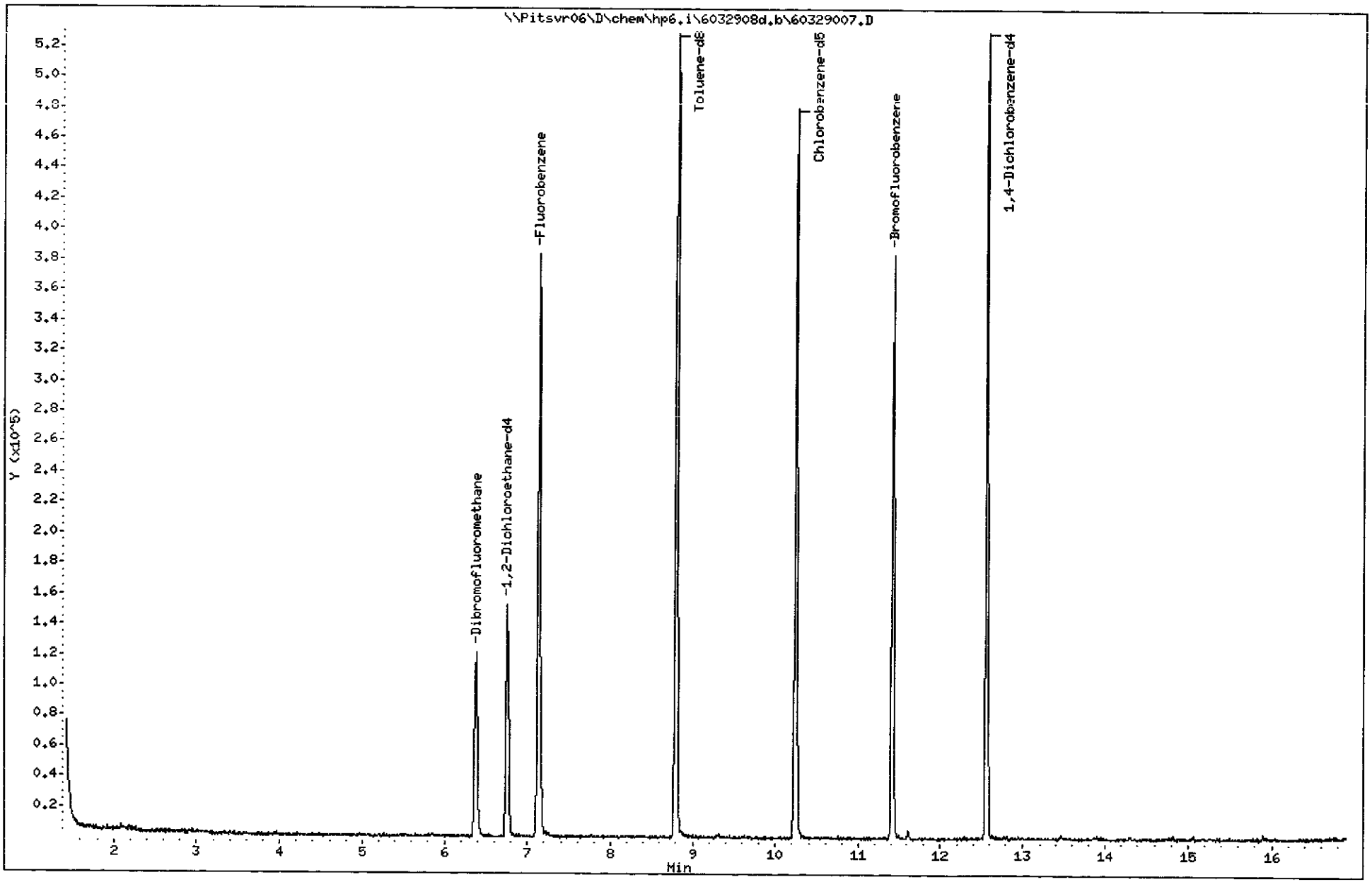
Lot-Sample #...: C8C220144-010 **Work Order #...:** KJ3AK1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	98	(64 - 128)

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329007.D
Date : 29-MAR-2008 16:39
Client ID: TB-01-032008
Sample Info: c8c220144-010 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 403419
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329007.D
Lab Smp Id: kj3ak1aa Client Smp ID: TB-01-032008
Inj Date : 29-MAR-2008 16:39
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220144-010 5ml
Misc Info : kj3ak1aa,6032908d.b,8260ee.m,1-42.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m
Meth Date : 29-Mar-2008 13:54 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-42.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
*	46 Fluorobenzene	96	7.133	7.129	(1.000)	385562	50.0000	
*	69 Chlorobenzene-d5	119	10.236	10.238	(1.000)	94072	50.0000	
*	92 1,4-Dichlorobenzene-d4	152	12.560	12.562	(1.000)	148012	50.0000	
$	39 Dibromofluoromethane	113	6.379	6.375	(0.894)	91570	48.8937	9.779
$	43 1,2-Dichloroethane-d4	65	6.756	6.752	(0.947)	119956	45.4831	9.097
$	59 Toluene-d8	98	8.794	8.790	(0.859)	380282	51.0650	10.21
$	80 Bromofluorobenzene	95	11.410	11.406	(0.908)	151465	47.7082	9.542
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
	3 Vinyl Chloride	62	Compound Not Detected.					
	4 Bromomethane	94	Compound Not Detected.					
	5 Chloroethane	64	Compound Not Detected.					
	6 Trichlorofluoromethane	101	Compound Not Detected.					
	12 1,1-Dichloroethene	96	Compound Not Detected.					
	13 Acetone	43	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	18 Methylene Chloride	84	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	20 Methyl tert-butyl ether	73	Compound Not Detected.					
	24 1,1-Dichloroethane	63	Compound Not Detected.					
	27 2,2-Dichloropropane	77	Compound Not Detected.					
	28 cis-1,2-dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					
	104 Cyclohexane	56	Compound Not Detected.					
	105 Methyl Cyclohexane	83	Compound Not Detected.					

ENSR International

Client Sample ID: PZ-06-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-011	**Work Order #...:** KJ3AM1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 17:50	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**0.82 J**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: PZ-06-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-011 **Work Order #...:** KJ3AM1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	**0.45 J**	**1.0**	**ug/L**	**0.22**
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

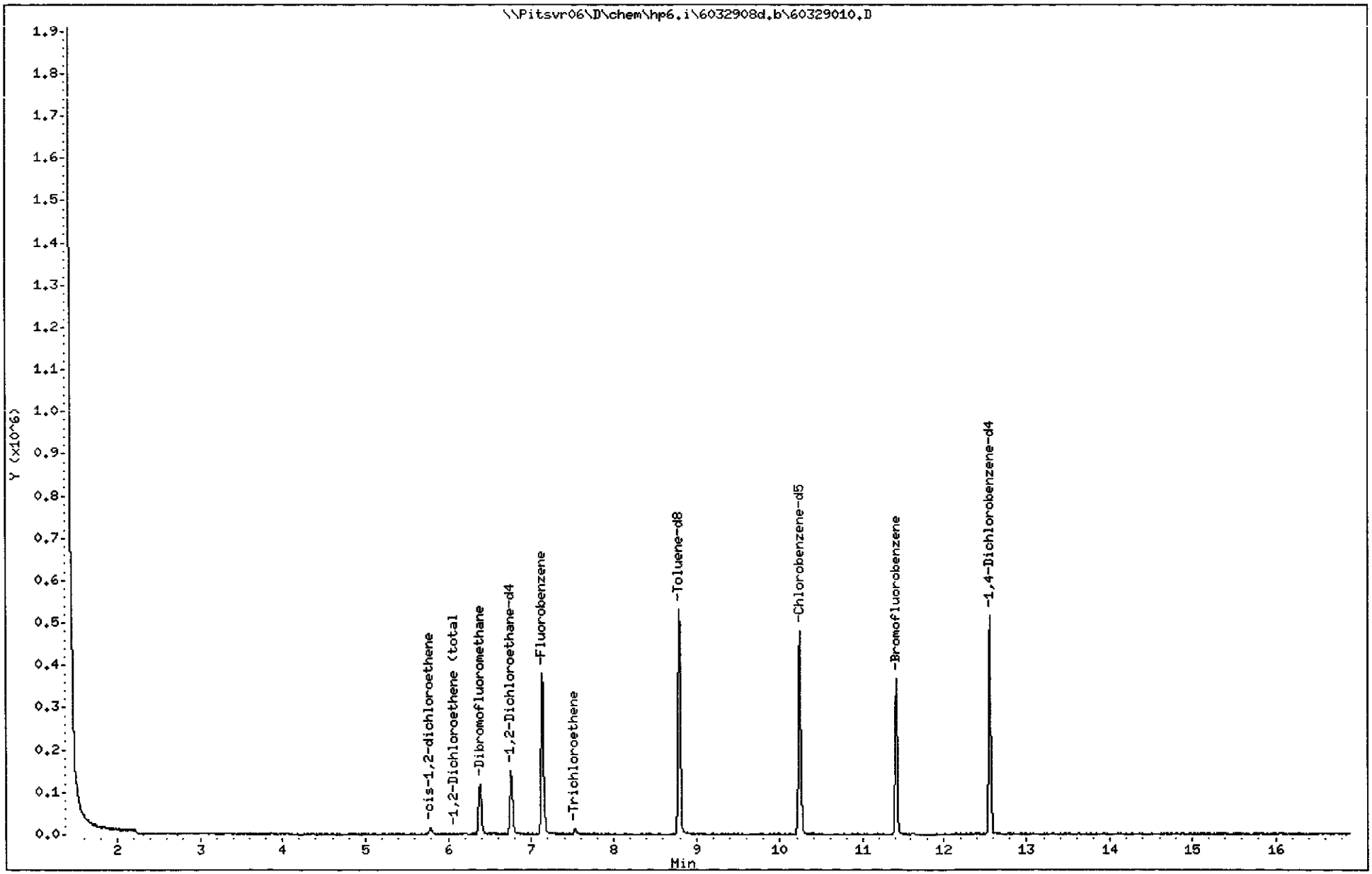
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(71 - 118)
1,2-Dichloroethane-d4	93	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	93	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329010.D
Date : 29-MAR-2008 17:50
Client ID: PZ-06-032008
Sample Info: c8c220144-011 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 403419
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329010.D
Lab Smp Id: kj3am1aa Client Smp ID: PZ-06-032008
Inj Date : 29-MAR-2008 17:50
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220144-011 5ml
Misc Info : kj3am1aa,6032908d.b,8260ee.m,1-42.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m
Meth Date : 29-Mar-2008 13:54 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-42.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
* 46 Fluorobenzene	96	7.132	7.129	(1.000)	381074	50.0000	
* 69 Chlorobenzene-d5	119	10.235	10.238	(1.000)	97329	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.559	12.562	(1.000)	146538	50.0000	
$ 39 Dibromofluoromethane	113	6.384	6.375	(0.895)	86048	46.4864	9.297
$ 43 1,2-Dichloroethane-d4	65	6.755	6.752	(0.947)	121751	46.7074	9.341
$ 59 Toluene-d8	98	8.793	8.790	(0.859)	373838	48.5198	9.704
$ 80 Bromofluorobenzene	95	11.403	11.406	(0.908)	151612	48.2349	9.647
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	5.782	5.779	(0.811)	8980	4.10633	0.8213

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96				8980	4.10639	0.8213
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	7.534	7.531	(1.056)	4915	2.27389	0.4548
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					
	104 Cyclohexane	56	Compound Not Detected.					
	105 Methyl Cyclohexane	83	Compound Not Detected.					

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329010.D

Date : 29-MAR-2008 17:50

Client ID: PZ-06-032008

Instrument: hp6.i

Sample Info: c8c220144-011 5ml

Purge Volume: 5.0

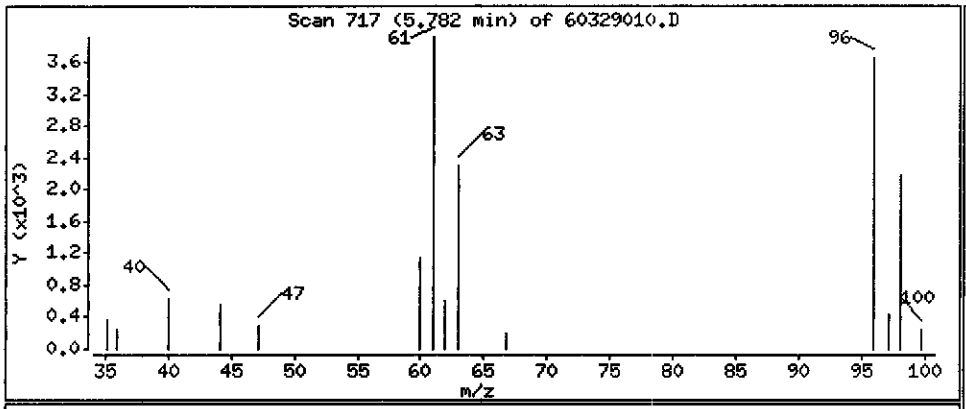
Operator: 403419

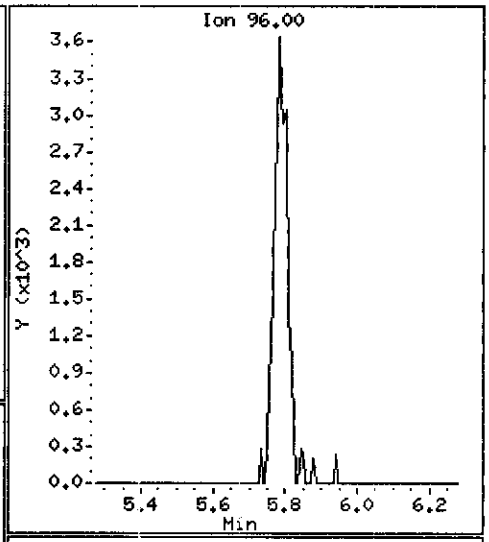
Column phase: DB 624

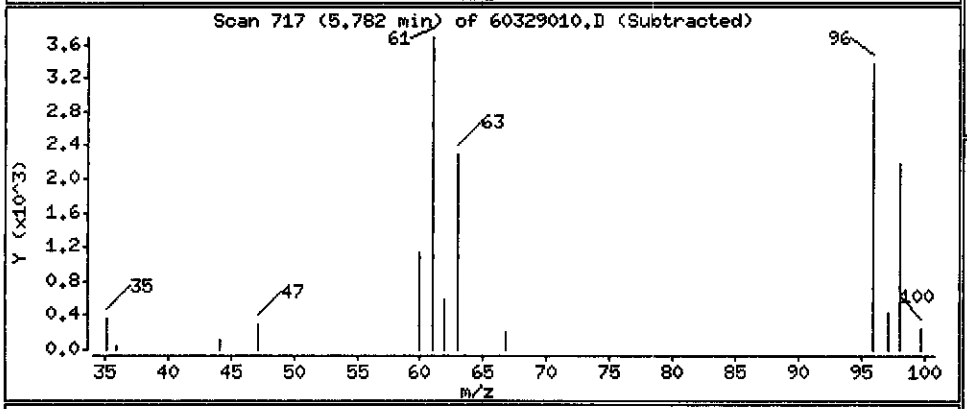
Column diameter: 0.20

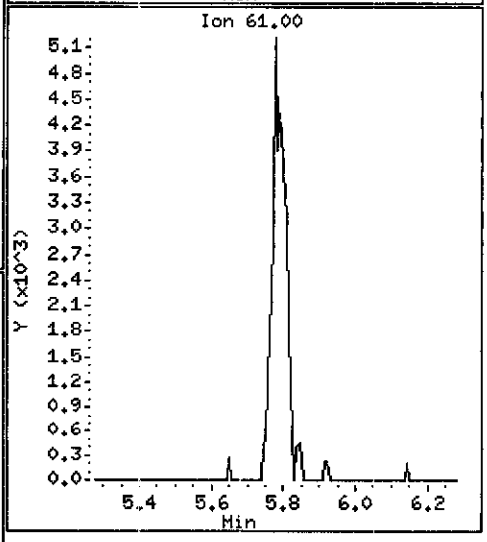
28 cis-1,2-dichloroethene

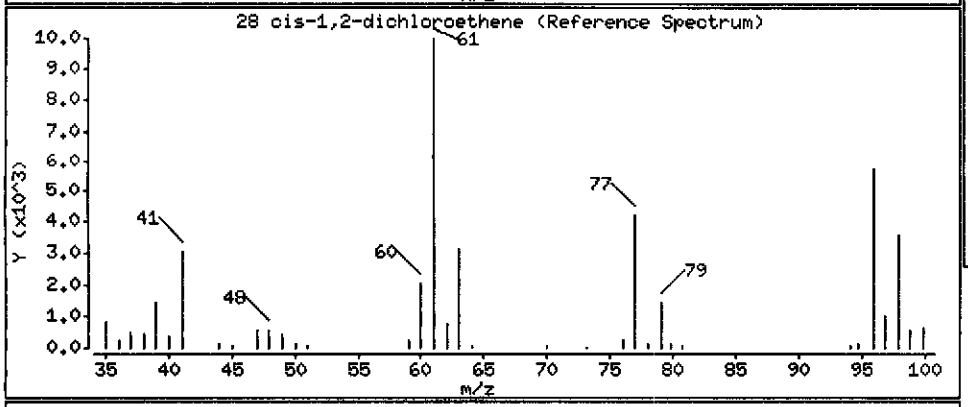
Concentration: 0.8213 UG/L

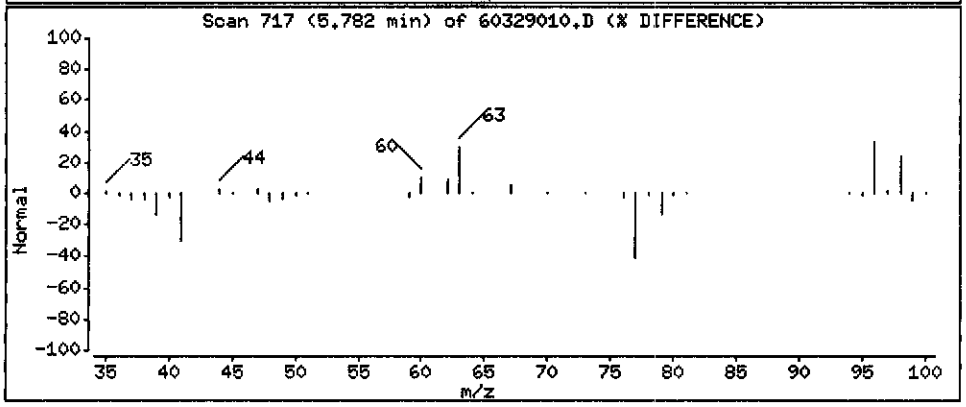












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Date : 29-MAR-2008 17:50

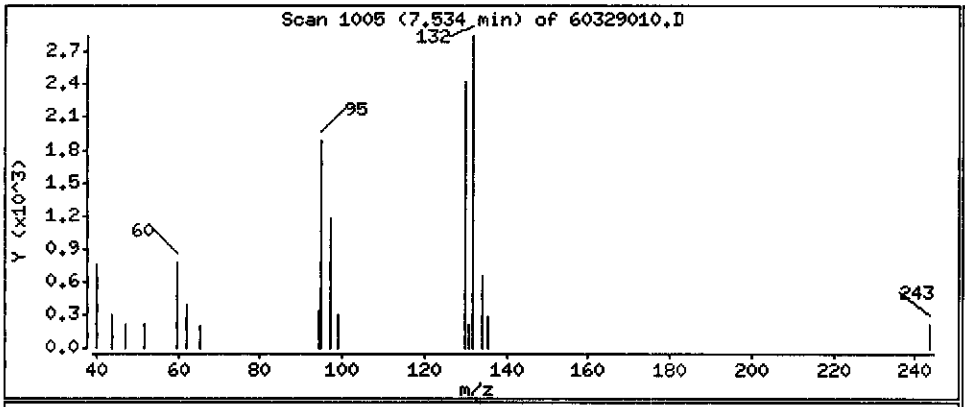
Client ID: PZ-06-032008 Instrument: hp6.i

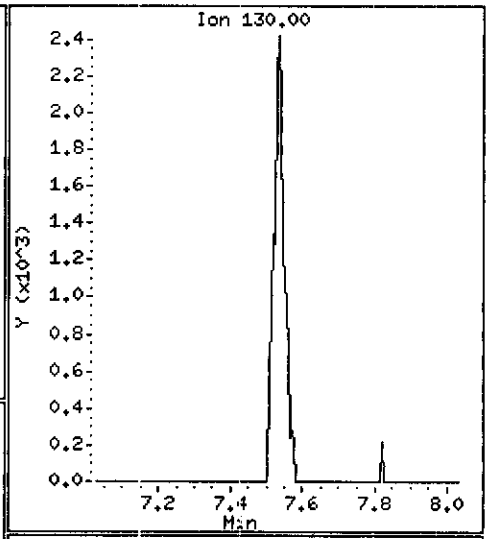
Sample Info: c8c220144-011 5ml

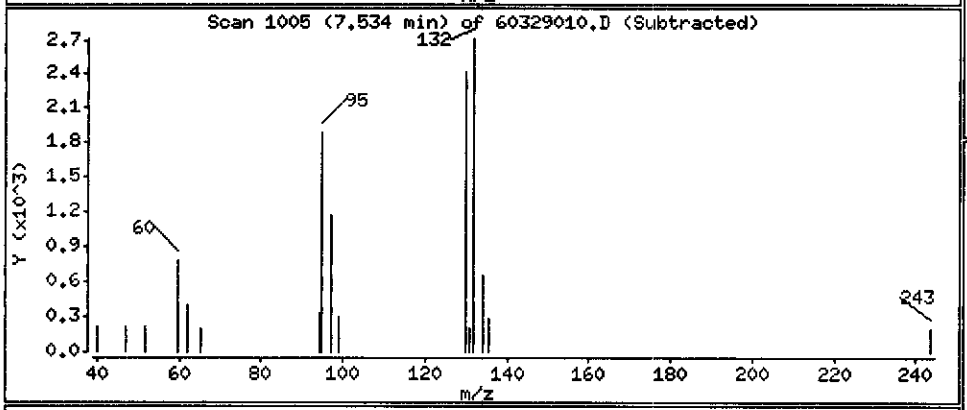
Purge Volume: 5.0 Operator: 403419

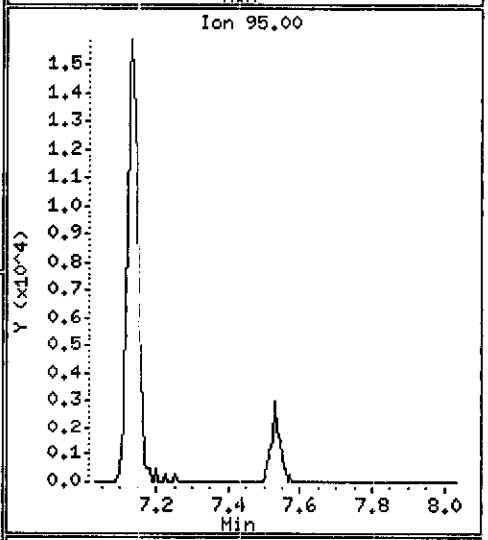
Column phase: DB 624 Column diameter: 0.20

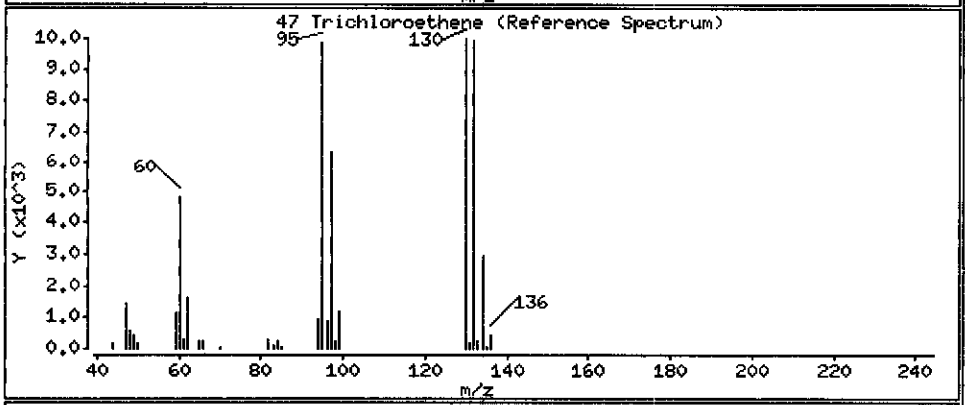
47 Trichloroethene Concentration: 0.4548 UG/L

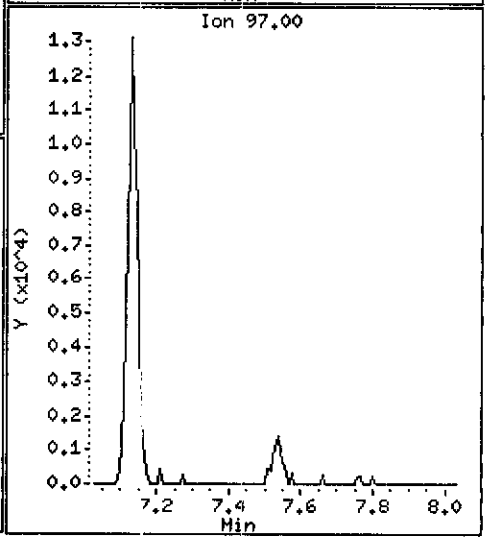


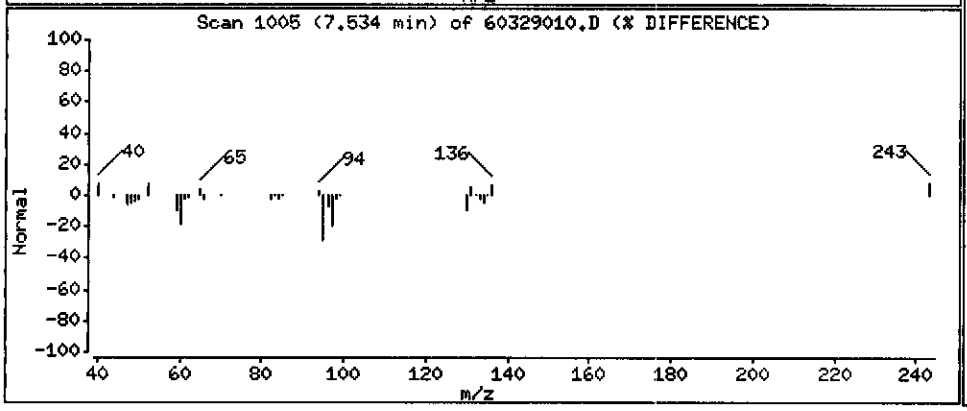












ENSR International

Client Sample ID: MW-03-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-012	**Work Order #...:** KJ3AQ1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8088144
Prep Date.....: 03/28/08	**Analysis Date..:** 03/28/08	
Prep Batch #...: 8088227	**Analysis Time..:** 11:40	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 034635	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.19
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.090
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	**0.81 J**	**1.0**	**ug/L**	**0.13**

(Continued on next page)

ENSR International

Client Sample ID: MW-03-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-012 **Work Order #...:** KJ3AQ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	ND	1.0	ug/L	0.11
Xylenes (total)	ND	3.0	ug/L	0.20

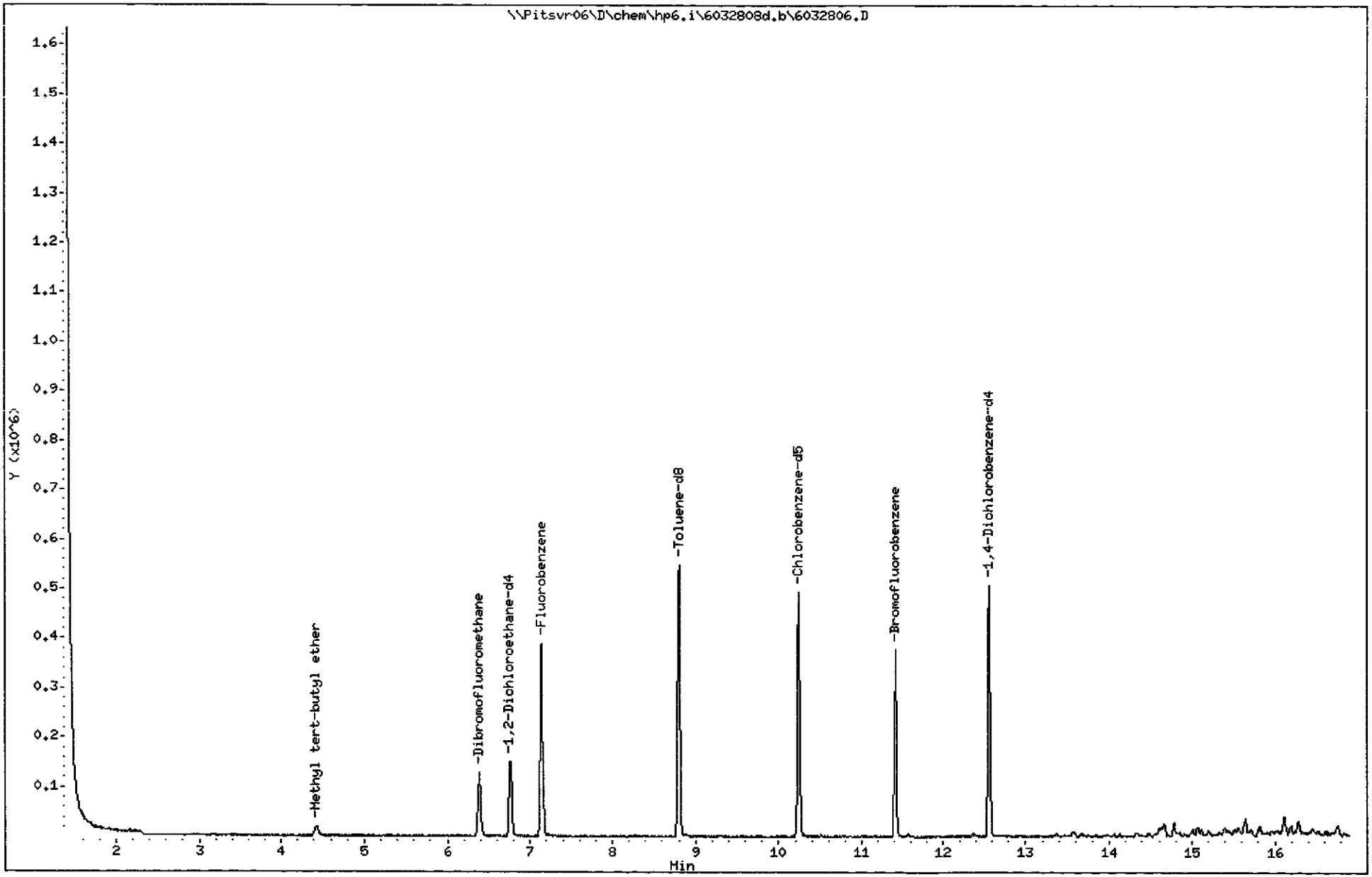
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(71 - 118)
1,2-Dichloroethane-d4	94	(64 - 135)
4-Bromofluorobenzene	99	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032806.D
Date : 28-MAR-2008 11:40
Client ID: MW-03-032008
Sample Info: c8c220141-012 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 034635
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032806.D
Lab Smp Id: kj3aq1aa Client Smp ID: MW-03-032008
Inj Date : 28-MAR-2008 11:40
Operator : 034635 Inst ID: hp6.i
Smp Info : c8c220141-012 5ml
Misc Info : kj3aq1aa,6032808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 13:30 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	7.138	7.135	(1.000)	394005	50.0000	
* 69 Chlorobenzene-d5	119	10.241	10.238	(1.000)	95775	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.565	12.562	(1.000)	149217	50.0000	
$ 39 Dibromofluoromethane	113	6.384	6.381	(0.894)	90941	47.5173	9.503
$ 43 1,2-Dichloroethane-d4	65	6.755	6.752	(0.946)	126763	47.0341	9.407
$ 59 Toluene-d8	98	8.799	8.796	(0.859)	382131	50.4009	10.08
$ 80 Bromofluorobenzene	95	11.409	11.406	(0.908)	158587	49.5481	9.910
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
1 Dichlorodifluoromethane	85	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	4.419	4.428	(0.619)	22479	4.07180	0.8144
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M 29	1,2-Dichloroethene (total)	96	Compound Not Detected.					
30	Bromochloromethane	128	Compound Not Detected.					
31	2-Butanone	43	Compound Not Detected.					
37	Chloroform	83	Compound Not Detected.					
38	1,1,1-Trichloroethane	97	Compound Not Detected.					
40	1,1-Dichloropropene	75	Compound Not Detected.					
41	Carbon Tetrachloride	117	Compound Not Detected.					
42	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Trichloroethene	130	Compound Not Detected.					
49	1,2-Dichloropropane	63	Compound Not Detected.					
50	Dibromomethane	93	Compound Not Detected.					
53	Bromodichloromethane	83	Compound Not Detected.					
57	cis-1,3-Dichloropropene	75	Compound Not Detected.					
58	4-Methyl-2-Pentanone	43	Compound Not Detected.					
60	Toluene	91	Compound Not Detected.					
61	trans-1,3-Dichloropropene	75	Compound Not Detected.					
63	1,3-Dichloropropane	76	Compound Not Detected.					
64	1,1,2-Trichloroethane	97	Compound Not Detected.					
65	Tetrachloroethene	164	Compound Not Detected.					
66	2-Hexanone	43	Compound Not Detected.					
67	Dibromochloromethane	129	Compound Not Detected.					
68	1,2-Dibromoethane	107	Compound Not Detected.					
70	Chlorobenzene	112	Compound Not Detected.					
71	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
72	Ethylbenzene	106	Compound Not Detected.					
73	m + p-Xylene	106	Compound Not Detected.					
74	Xylene-o	106	Compound Not Detected.					
M 75	Xylenes (total)	106	Compound Not Detected.					
76	Styrene	104	Compound Not Detected.					
77	Bromoform	173	Compound Not Detected.					
78	Isopropylbenzene	105	Compound Not Detected.					
79	Bromobenzene	156	Compound Not Detected.					
81	n-Propylbenzene	120	Compound Not Detected.					
82	2-Chlorotoluene	126	Compound Not Detected.					
83	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
84	1,2,3-Trichloropropane	110	Compound Not Detected.					
85	4-Chlorotoluene	126	Compound Not Detected.					
86	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
87	tert-Butylbenzene	119	Compound Not Detected.					
88	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
89	sec-Butylbenzene	105	Compound Not Detected.					
90	4-Isopropyltoluene	119	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
94	n-Butylbenzene	91	Compound Not Detected.					
95	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
98	Hexachlorobutadiene	225	Compound Not Detected.					
99	Naphthalene	128	Compound Not Detected.					
100	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
101	1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
102	Methyl acetate	43	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	Compound Not Detected.					
105 Methyl Cyclohexane	83	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032806.D

Date : 28-MAR-2008 11:40

Client ID: MW-03-032008

Instrument: hp6.i

Sample Info: c8c220141-012 5ml

Purge Volume: 5.0

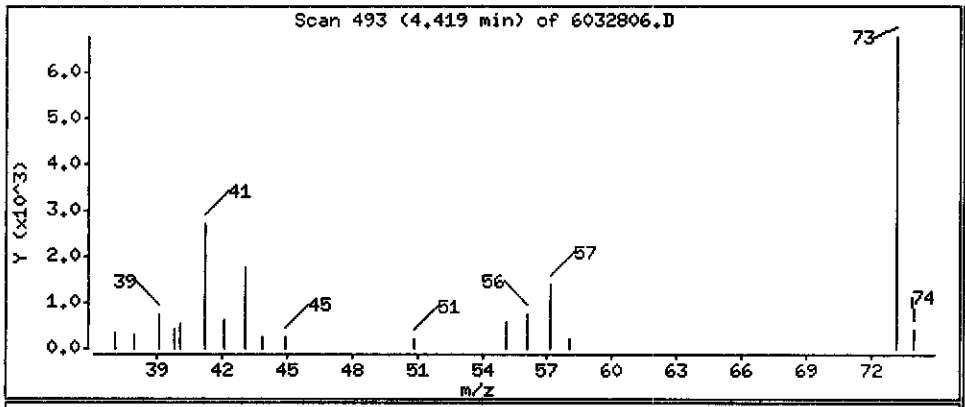
Operator: 034635

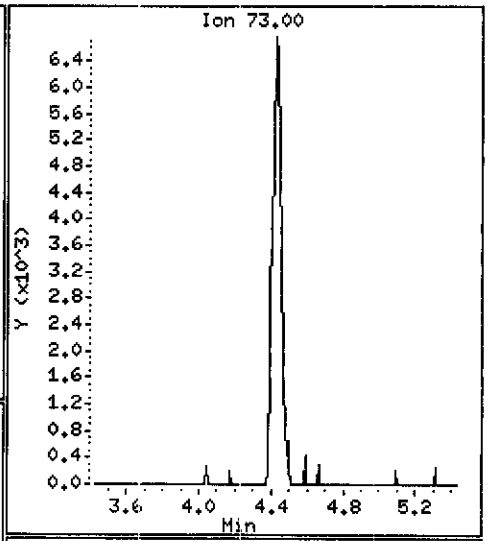
Column phase: DB 624

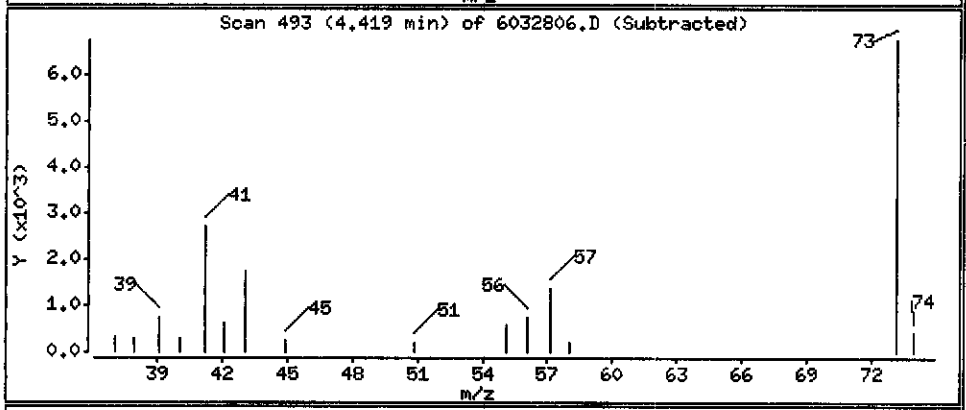
Column diameter: 0.20

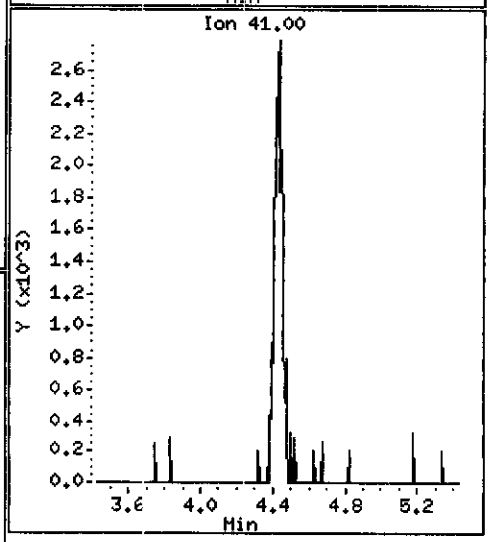
20 Methyl tert-butyl ether

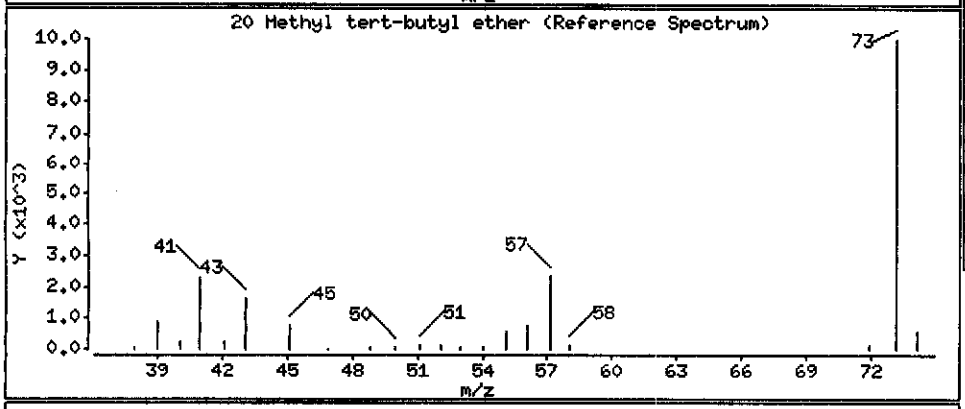
Concentration: 0.8144 UG/L

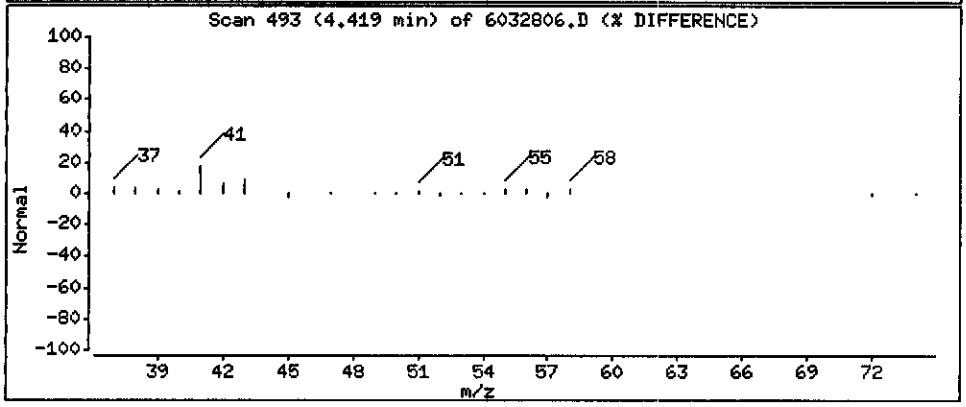












ENSR International

Client Sample ID: PZ-07-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-013	**Work Order #...:** KJ3AR1AA	**Matrix.....:** WG
Date Sampled...: 03/20/08	**Date Received..:** 03/22/08	**MS Run #.....:** 8089057
Prep Date.....: 03/29/08	**Analysis Date..:** 03/29/08	
Prep Batch #...: 8089100	**Analysis Time..:** 18:13	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419	**Instrument ID..:** HP6	
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	**38**	**1.0**	**ug/L**	**0.19**
Bromodichloromethane	ND	1.0	ug/L	0.099
Bromoform	ND	1.0	ug/L	0.27
Bromomethane	ND	1.0	ug/L	0.18
2-Butanone	ND	5.0	ug/L	0.65
Carbon disulfide	ND	1.0	ug/L	0.11
Carbon tetrachloride	ND	1.0	ug/L	0.22
Chlorobenzene	ND	1.0	ug/L	0.33
Chloroethane	ND	1.0	ug/L	0.11
Chloroform	ND	1.0	ug/L	0.068
Chloromethane	ND	1.0	ug/L	0.14
Cyclohexane	ND	1.0	ug/L	0.11
Dibromochloromethane	ND	1.0	ug/L	0.20
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.26
1,2-Dibromoethane	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1,2-Dichlorobenzene	ND	1.0	ug/L	0.086
Dichlorodifluoromethane	ND	1.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.076
1,1-Dichloroethene	ND	1.0	ug/L	0.17
cis-1,2-Dichloroethene	**4.6**	**1.0**	**ug/L**	**0.090**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.097
1,2-Dichloropropane	ND	1.0	ug/L	0.24
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.13
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.16
Ethylbenzene	ND	1.0	ug/L	0.066
2-Hexanone	ND	5.0	ug/L	0.55
Isopropylbenzene	ND	1.0	ug/L	0.27
Methyl acetate	ND	1.0	ug/L	0.17
Methylene chloride	ND	1.0	ug/L	0.19
Methylcyclohexane	ND	1.0	ug/L	0.18
4-Methyl-2-pentanone	ND	5.0	ug/L	0.61
Methyl tert-butyl ether	ND	1.0	ug/L	0.13

(Continued on next page)

ENSR International

Client Sample ID: PZ-07-032008

GC/MS Volatiles

Lot-Sample #...: C8C220144-013 **Work Order #...:** KJ3AR1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.25
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.11
Tetrachloroethene	ND	1.0	ug/L	0.088
1,1,1-Trichloroethane	ND	1.0	ug/L	0.11
1,1,2-Trichloroethane	ND	1.0	ug/L	0.11
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.14
Toluene	ND	1.0	ug/L	0.21
Vinyl chloride	**0.41 J**	**1.0**	**ug/L**	**0.11**
Xylenes (total)	ND	3.0	ug/L	0.20

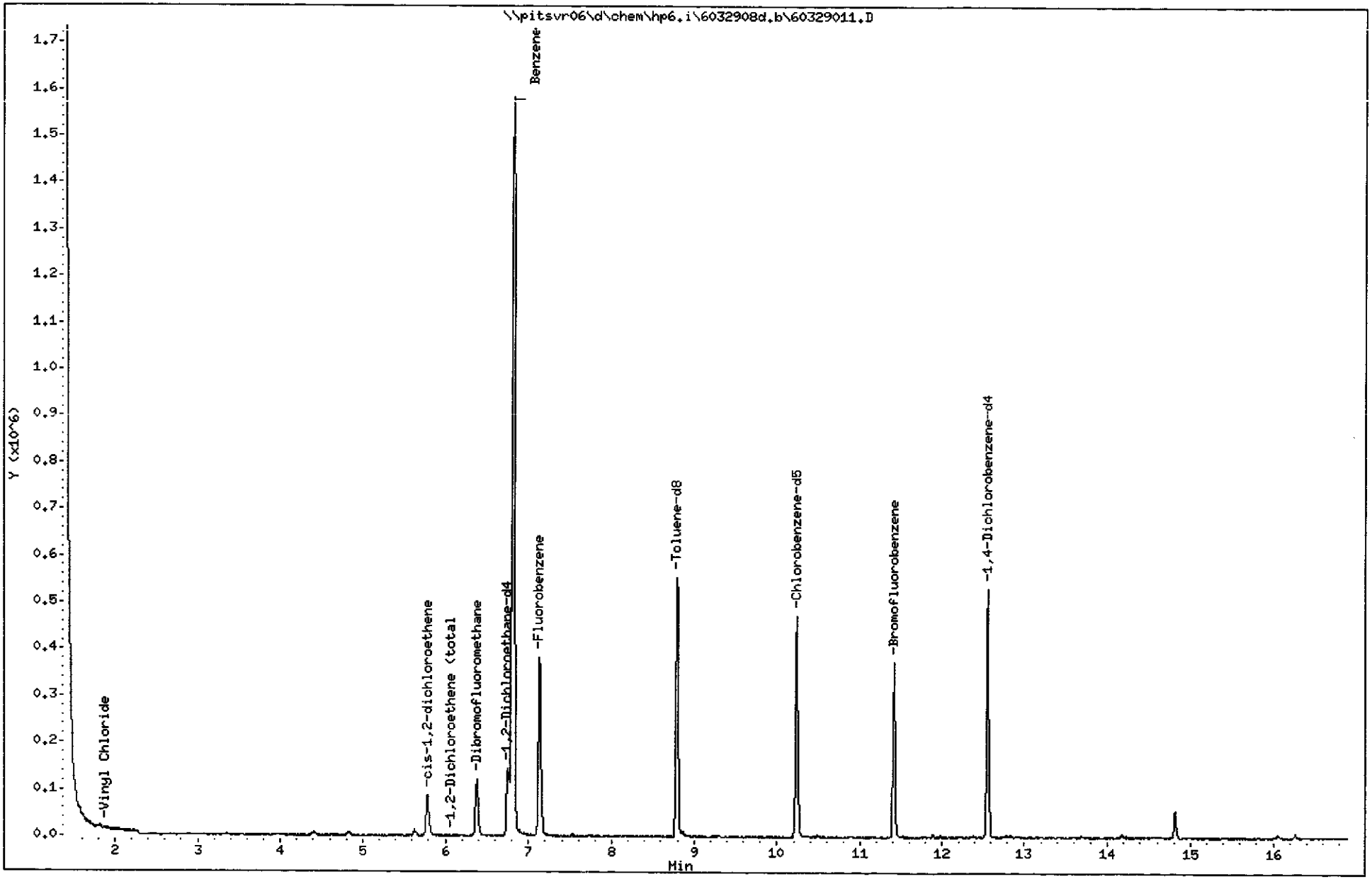
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	90	(64 - 135)
4-Bromofluorobenzene	95	(70 - 118)
Dibromofluoromethane	98	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\pitsvr06\d\chem\hp6.i\6032908d.b\60329011.D
Date : 29-MAR-2008 18:13
Client ID: PZ-07-032008
Sample Info: c8c220144-013 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 403419
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\6032908d.b\60329011.D
Lab Smp Id: kj3ar1aa Client Smp ID: PZ-07-032008
Inj Date : 29-MAR-2008 18:13
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220144-013 5ml
Misc Info : kj3ar1aa,6032908d.b,8260ee.m,1-42.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\6032908d.b\8260ee.m
Meth Date : 29-Mar-2008 13:54 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-42.sub
Target Version: 4.14
Processing Host: PITSVR06

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
*	46 Fluorobenzene	96	7.132	7.129	(1.000)	385750	50.0000	
*	69 Chlorobenzene-d5	119	10.235	10.238	(1.000)	94081	50.0000	
*	92 1,4-Dichlorobenzene-d4	152	12.559	12.562	(1.000)	151860	50.0000	
$	39 Dibromofluoromethane	113	6.378	6.375	(0.894)	91689	48.9334	9.787
$	43 1,2-Dichloroethane-d4	65	6.755	6.752	(0.947)	118462	44.8947	8.979
$	59 Toluene-d8	98	8.793	8.790	(0.859)	389036	52.2355	10.45
$	80 Bromofluorobenzene	95	11.409	11.406	(0.908)	154531	47.4406	9.488
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
	3 Vinyl Chloride	62	1.815	1.818	(0.255)	4861	2.05283	0.4106
	4 Bromomethane	94	Compound Not Detected.					
	5 Chloroethane	64	Compound Not Detected.					
	6 Trichlorofluoromethane	101	Compound Not Detected.					
	12 1,1-Dichloroethene	96	Compound Not Detected.					
	13 Acetone	43	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	18 Methylene Chloride	84	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	20 Methyl tert-butyl ether	73	Compound Not Detected.					
	24 1,1-Dichloroethane	63	Compound Not Detected.					
	27 2,2-Dichloropropane	77	Compound Not Detected.					
	28 cis-1,2-dichloroethene	96	5.782	5.779	(0.811)	50389	22.7627	4.552

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96				50389	22.7627	4 552
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	6.810	6.807	(0.955)	1541323	190.925	38.18
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					
	104 Cyclohexane	56	Compound Not Detected.					
	105 Methyl Cyclohexane	83	Compound Not Detected.					

Data File: \\pitsvr06\d\chem\hp6.i\6032908d.b\60329011.D

Date : 29-MAR-2008 18:13

Client ID: PZ-07-032008

Instrument: hp6.i

Sample Info: c8c220144-013 5ml

Purge Volume: 5.0

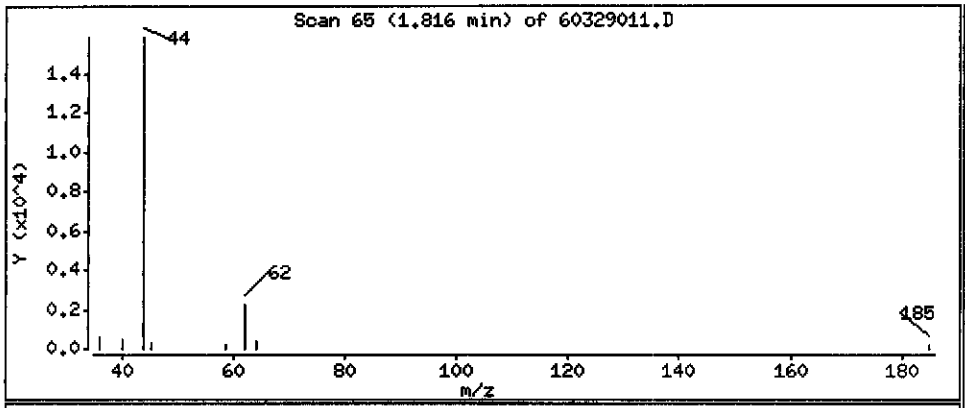
Operator: 403419

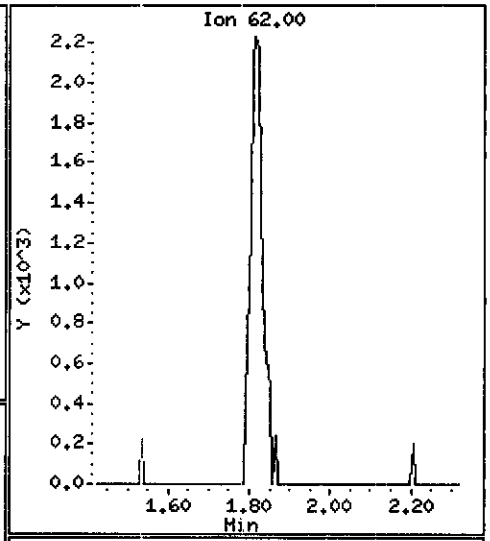
Column phase: DB 624

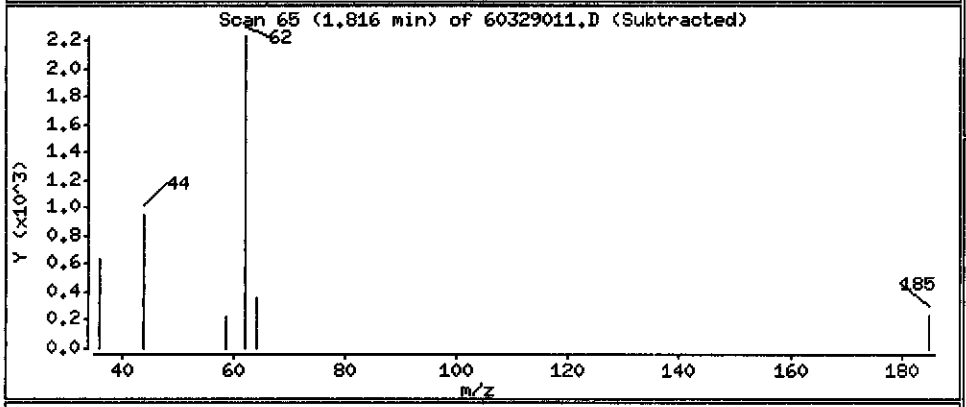
Column diameter: 0.20

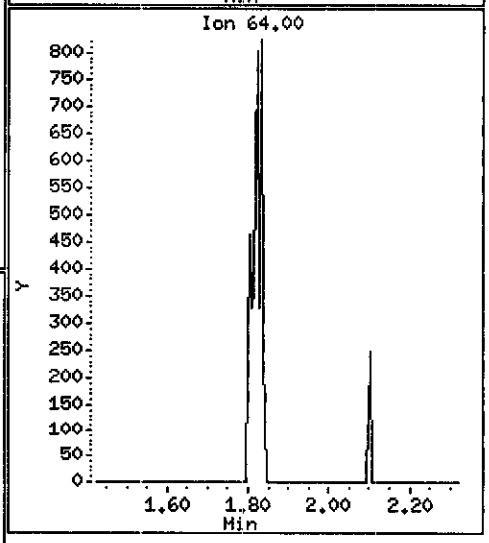
3 Vinyl Chloride

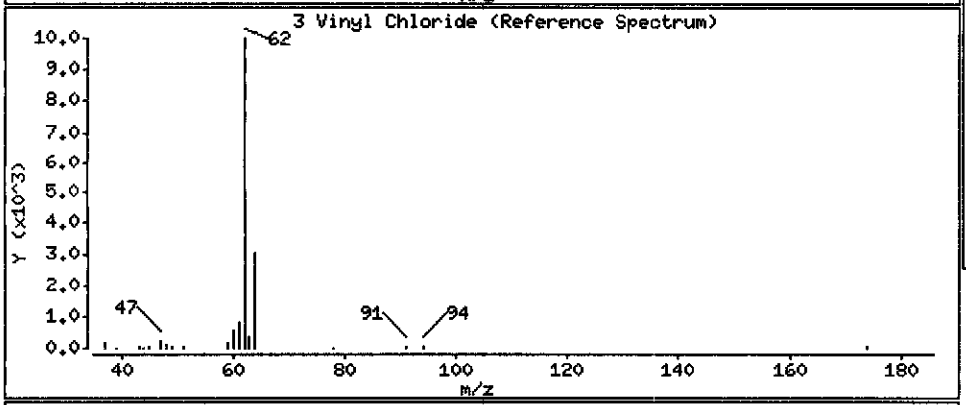
Concentration: 0.4106 UG/L

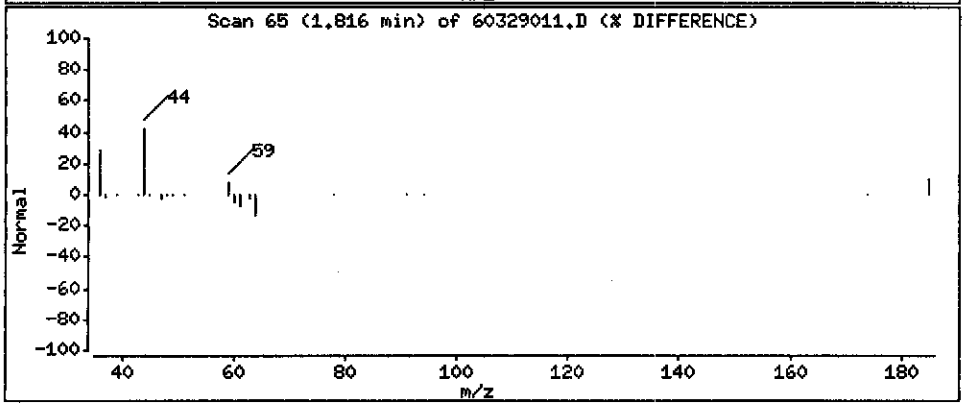












Data File: \\pitsvr06\d\chem\hp6.i\6032908d.b\60329011.D

Date : 29-MAR-2008 18:13

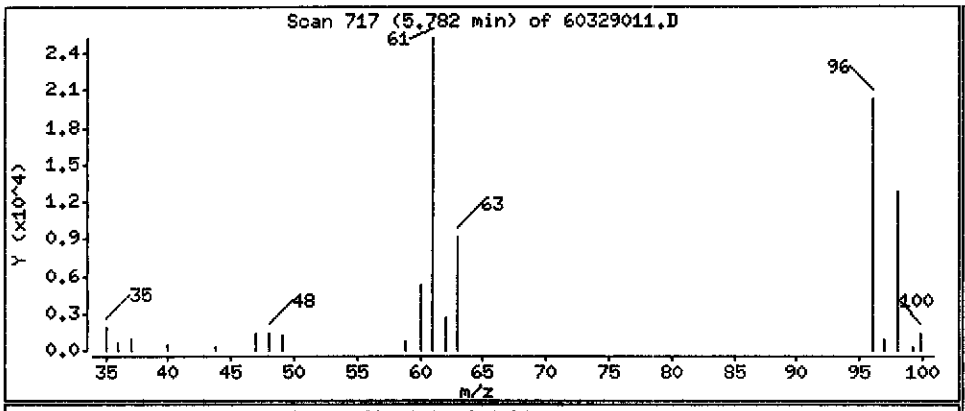
Client ID: PZ-07-032008 Instrument: hp6.i

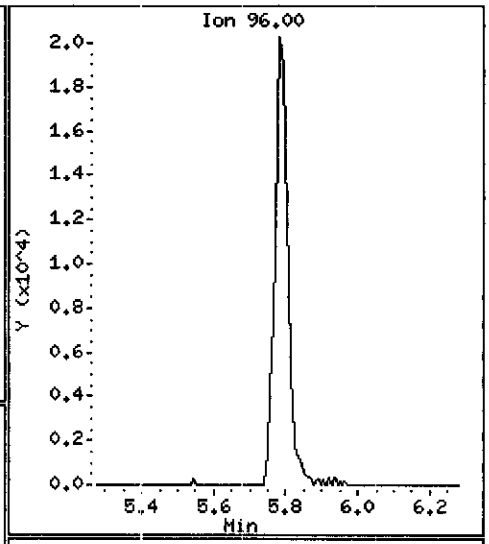
Sample Info: c8c220144-013 5ml

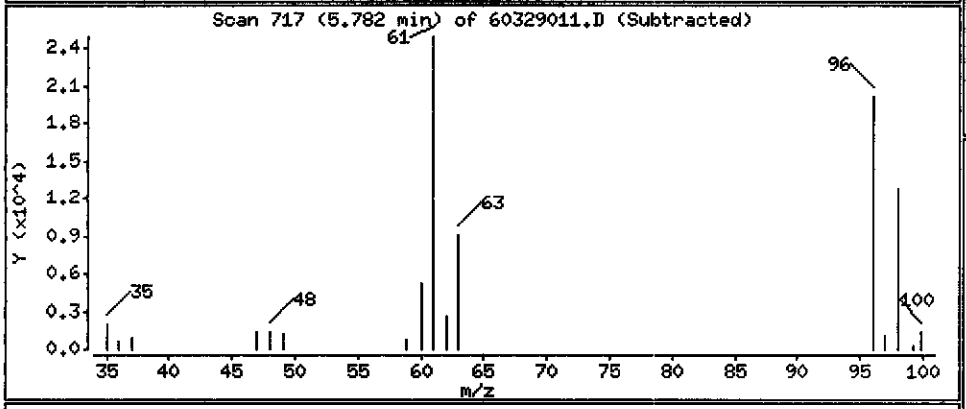
Purge Volume: 5.0 Operator: 403419

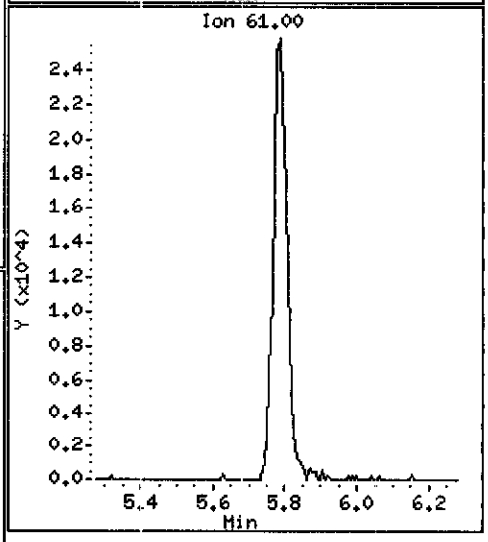
Column phase: DB 624 Column diameter: 0.20

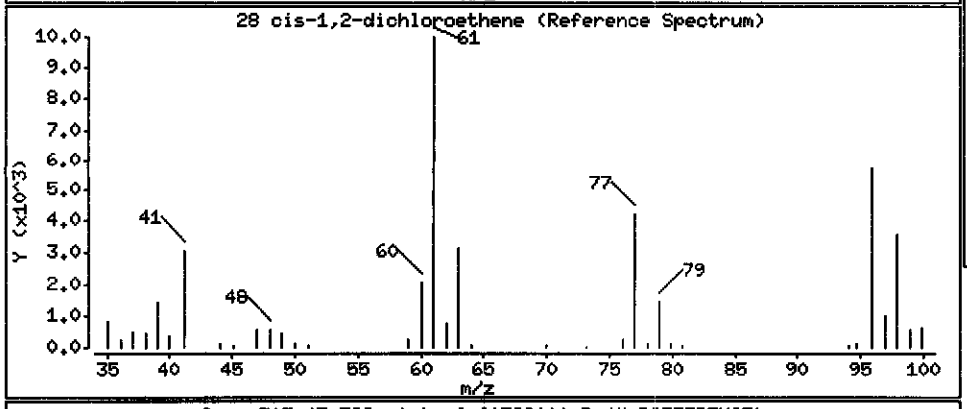
28 cis-1,2-dichloroethene Concentration: 4.552 UG/L

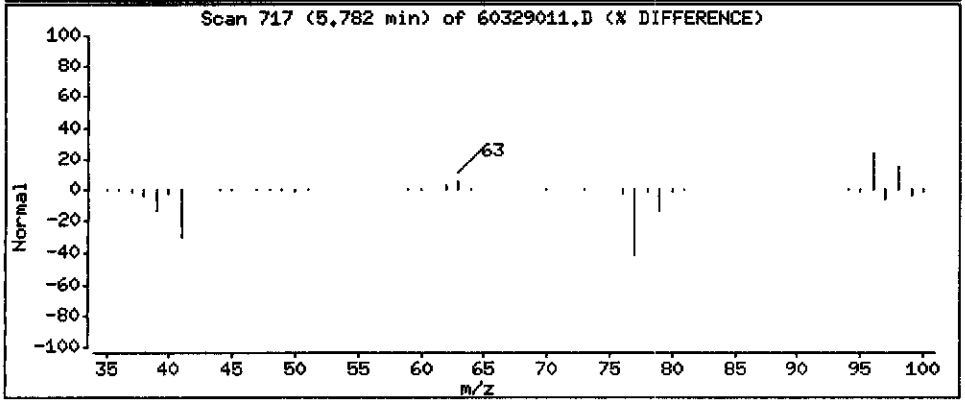












Data File: \\pitsvr06\d\chem\hp6.i\6032908d.b\60329011.D

Date : 29-MAR-2008 18:13

Client ID: PZ-07-032008

Instrument: hp6.i

Sample Info: c8c220144-013 5ml

Purge Volume: 5.0

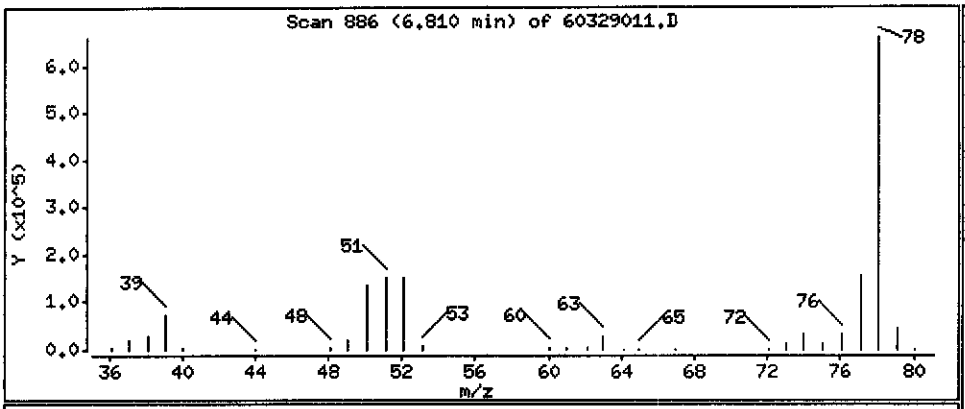
Operator: 403419

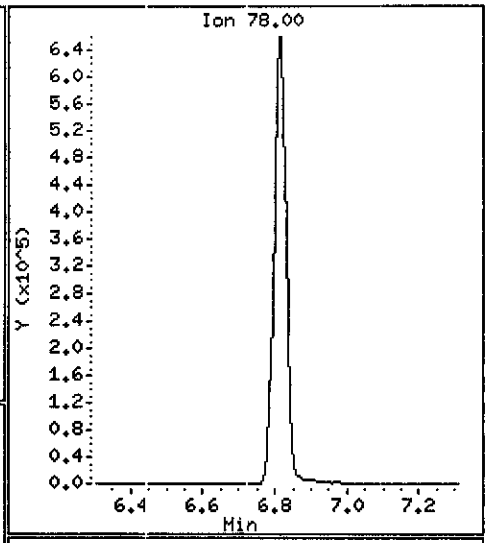
Column phase: DB 624

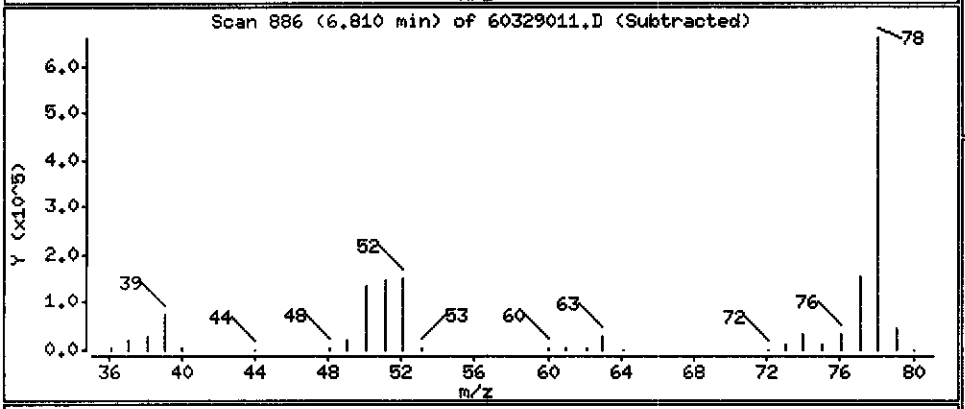
Column diameter: 0.20

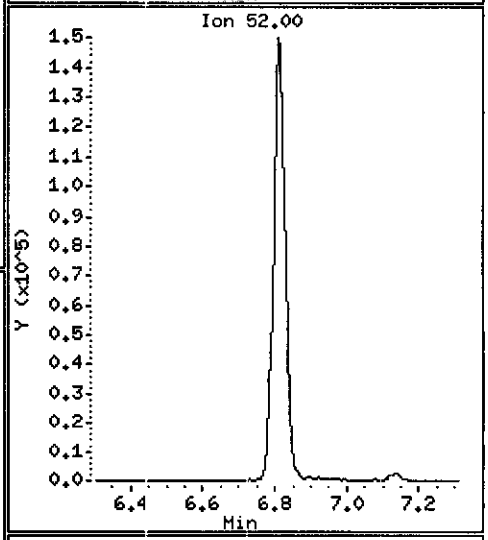
42 Benzene

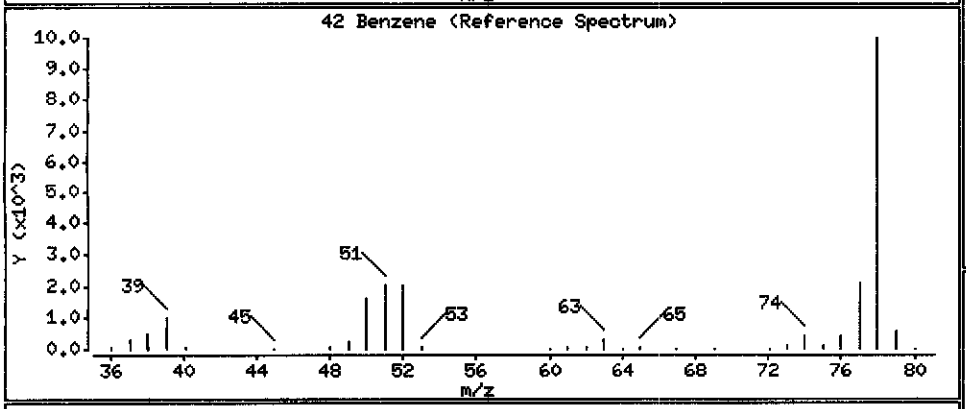
Concentration: 38.18 UG/L

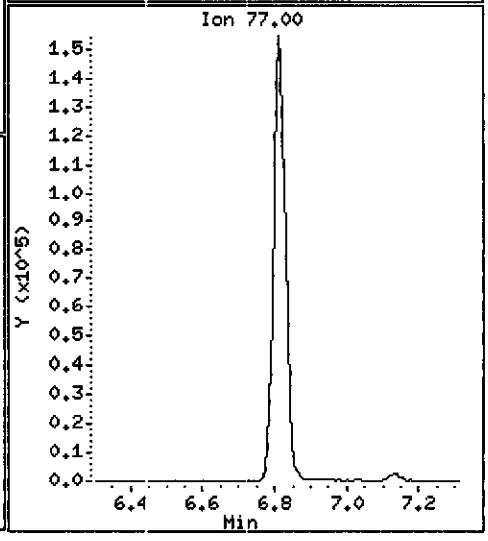


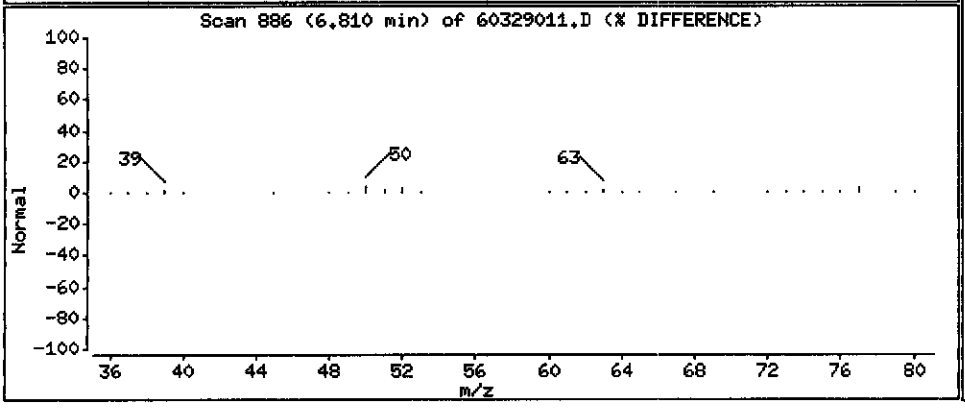












GC/MS VOLATILE
CALIBRATION DATA

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond
Curve Type : Average

Calibration File Names:
Level 1: \\pitsvr06\d\chem\hp6.i\6031808d.b\1A60318.D
Level 2: \\pitsvr06\d\chem\hp6.i\6031808d.b\1B60318.D
Level 3: \\pitsvr06\d\chem\hp6.i\6031808d.b\1C60318.D
Level 4: \\pitsvr06\d\chem\hp6.i\6031808d.b\1D60318.D
Level 5: \\pitsvr06\d\chem\hp6.i\6031808d.b\1E60318.D
Level 6: \\pitsvr06\d\chem\hp6.i\6031808d.b\1F60318.D

	Compound	5.000 Level 1	25.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
1	Dichlorodifluoromethane	0.19614	0.16779	0.16148	0.15899	0.15355	0.15475	0.16545	9.599	
157	2-Chlorobenzotrifluoride	1.90382	1.73103	1.76447	1.64011	1.64434	1.61709	1.71681	6.302	
158	3-Chlorobenzotrifluoride	1.94851	1.83470	1.77003	1.69104	1.62593	1.63033	1.75009	7.235	
159	4-Chlorobenzotrifluoride	1.72344	1.69479	1.66211	1.55736	1.51280	1.49495	1.60757	6.107	
160	3-Chlorotoluene	0.91540	0.83684	0.90190	0.87179	0.85560	0.84765	0.87153	3.582	
161	2,4-Dichlorobenzotrifluoride	0.78076	0.72172	0.72542	0.70694	0.72967	0.72356	0.73134	3.474	
162	2,5-Dichlorobenzotrifluoride	0.92720	0.85363	0.79723	0.82990	0.81684	0.87243	0.84954	5.461	
163	3,4-Dichlorobenzotrifluoride	0.90395	0.80176	0.79637	0.81021	0.79741	0.81993	0.82160	5.027	
164	Dichlorotoluene(2,4+2,5+2,6)	1.58283	1.52367	1.52578	1.54257	1.50242	1.54868	1.53766	1.785	
165	Dichlorotoluene(2,3+3,4)	1.65717	1.58243	1.65332	1.63586	1.61618	1.64744	1.63207	1.744	
166	1,3,5-Trichlorobenzene	1.26377	1.16540	1.17610	1.16018	1.13404	1.15681	1.17605	3.840	
167	2,3,6-Trichlorotoluene	0.58327	0.63449	0.66075	0.56181	0.55754	0.57393	0.59530	7.115	
168	2,4,5-Trichlorotoluene	0.70505	0.73895	0.78480	0.67449	0.66290	0.71189	0.71301	6.237	
2	Chloromethane	0.40342	0.36218	0.34359	0.34670	0.33388	0.33950	0.35488	7.219	
3	Vinyl Chloride	0.36535	0.31145	0.29767	0.28931	0.29142	0.28632	0.30692	9.769	
4	Bromomethane	0.12817	0.09236	0.08691	0.08769	0.08252	0.08127	0.09315	18.902	<- QUAD
5	Chloroethane	0.20227	0.16785	0.15485	0.16678	0.15547	0.14832	0.16592	11.647	
6	Trichlorofluoromethane	0.28954	0.27509	0.26875	0.26210	0.25090	0.24622	0.26543	6.019	
7	Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
8	Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
9	Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
11	Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
12	1,1-Dichloroethene	0.25709	0.22617	0.21412	0.21959	0.21827	0.21252	0.22463	7.394	
13	Acetone	0.12705	0.11775	0.11085	0.08961	0.09622	0.08951	0.10517	14.953	
14	Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
15	Carbon Disulfide	0.83159	0.71198	0.68812	0.68718	0.67259	0.67223	0.71062	8.585	
16	3-Chloro-1-propene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
17	Acetonitrile	0.02172	0.02222	0.02285	0.01916	0.02038	0.01929	0.02094	7.425	

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

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Quant Method : ISTD
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Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond
Curve Type : Average

	Compound	5.000 Level 1	25.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	18 Methylene Chloride	0.31608	0.26303	0.26887	0.25878	0.25189	0.24914	0.26796	9.198	
	19 trans-1,2-Dichloroethene	0.32133	0.26057	0.26049	0.26717	0.25352	0.25204	0.26919	9.705	
	20 Methyl tert-butyl ether	0.74312	0.68606	0.73409	0.67411	0.68049	0.68562	0.70058	4.269	
	21 tert-Butyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	22 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	23 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	24 1,1-Dichloroethane	0.54454	0.50945	0.51988	0.51656	0.50797	0.51262	0.51850	2.604	
	25 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	26 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	27 2,2-Dichloropropane	0.23703	0.21825	0.20888	0.21955	0.21576	0.23108	0.22176	4.682	
	28 cis-1,2-dichloroethene	0.31682	0.28017	0.27950	0.28202	0.28159	0.28147	0.28693	5.115	
M	29 1,2-Dichloroethene (total)	0.31908	0.27037	0.26999	0.27460	0.26755	0.26676	0.27806	7.294	
	30 Bromochloromethane	0.15412	0.13714	0.13861	0.13034	0.13056	0.13204	0.13714	6.570	
	31 2-Butanone	0.15209	0.14004	0.16151	0.12776	0.14036	0.13442	0.14270	8.561	
	32 Vinyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	33 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	34 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	35 Tetrahydrofuran	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	37 Chloroform	0.52743	0.47331	0.47053	0.46767	0.45438	0.45723	0.47509	5.622	
	38 1,1,1-Trichloroethane	0.41584	0.38202	0.36993	0.36636	0.36992	0.36969	0.37896	4.976	
	40 1,1-Dichloropropene	0.40240	0.37350	0.35540	0.35740	0.36047	0.34971	0.36648	5.266	
	41 Carbon Tetrachloride	0.33776	0.29759	0.28625	0.29096	0.28384	0.28984	0.29771	6.778	
	42 Benzene	1.17189	1.00987	1.02557	1.02297	1.02044	1.02763	1.04640	5.905	
	44 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	45 1,2-Dichloroethane	0.48182	0.43161	0.45342	0.43085	0.43323	0.43505	0.44433	4.547	
	47 Trichloroethene	0.31254	0.27411	0.27525	0.27974	0.27750	0.28249	0.28361	5.111	
	48 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	49 1,2-Dichloropropane	0.34481	0.29451	0.30294	0.29868	0.29775	0.30258	0.30688	6.142	
	50 Dibromomethane	0.17087	0.15332	0.16512	0.15651	0.15345	0.15751	0.15946	4.422	
	51 Methyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	52 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	53 Bromodichloromethane	0.37887	0.34995	0.35653	0.35688	0.35017	0.35323	0.35761	3.029	
	54 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	55 2-Methylfuran	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	56 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
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Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond
Curve Type : Average

	Compound	5.000 Level 1	25.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	57 cis-1,3-Dichloropropene	0.39109	0.35942	0.38539	0.39076	0.39225	0.41703	0.38932	4.724	
	58 4-Methyl-2-Pentanone	1.16814	1.26538	1.34469	1.15422	1.16371	1.13393	1.20501	6.828	
	60 Toluene	5.06900	4.65354	4.79171	4.64688	4.49386	4.49721	4.69203	4.599	
	61 trans-1,3-Dichloropropene	1.23110	1.16085	1.30659	1.24925	1.24375	1.33557	1.25452	4.881	
	62 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	63 1,3-Dichloropropane	1.85712	1.76688	1.87343	1.70707	1.62324	1.62334	1.74185	6.318	
	64 1,1,2-Trichloroethane	1.14411	0.98077	1.04762	0.93707	0.90605	0.90499	0.98677	9.525	
	65 Tetrachloroethene	0.97606	0.92541	0.91126	0.87891	0.85313	0.83840	0.89720	5.672	
	66 2-Hexanone	0.77037	0.79205	0.89592	0.76480	0.79239	0.75681	0.79539	6.454	
	67 Dibromochloromethane	1.14632	1.03438	1.06652	0.97138	0.95868	0.97067	1.02466	7.139	
	68 1,2-Dibromoethane	1.01284	1.01063	1.03317	0.91142	0.89044	0.89299	0.95858	6.980	
	70 Chlorobenzene	3.68107	3.29190	3.44524	3.26029	3.07926	3.04609	3.30064	7.184	
	71 1,1,1,2-Tetrachloroethane	1.12628	1.08532	1.10472	1.02286	1.00013	1.01154	1.05847	5.058	
	72 Ethylbenzene	1.87566	1.78059	1.79283	1.74967	1.67568	1.66276	1.75620	4.517	
	73 m + p-Xylene	2.45603	2.24714	2.24344	2.20356	2.08692	2.08997	2.22118	6.103	
	74 Xylene-o	2.43484	2.20715	2.24908	2.14801	2.07542	2.05662	2.19519	6.320	
M	75 Xylenes (total)	2.44897	2.23381	2.24532	2.18505	2.08309	2.07886	2.21251	6.158	
	76 Styrene	3.79250	3.59657	3.90155	3.71961	3.55665	3.58414	3.69184	3.711	
	77 Bromoform	0.71000	0.65280	0.64165	0.56681	0.56540	0.57952	0.61936	9.440	
	78 Isopropylbenzene	5.66355	5.36576	5.41866	5.16094	4.98359	4.94010	5.25543	5.298	
	79 Bromobenzene	0.94937	0.80581	0.80310	0.82185	0.79246	0.82393	0.83275	7.007	
	81 n-Propylbenzene	0.96834	0.96496	0.96007	1.01616	0.94968	0.97744	0.97278	2.380	
	82 2-Chlorotoluene	0.92227	0.81845	0.80471	0.86477	0.80972	0.81529	0.83920	5.491	
	83 1,1,2,2-Tetrachloroethane	0.83903	0.73605	0.78255	0.69881	0.70464	0.71966	0.74679	7.265	
	84 1,2,3-Trichloropropane	0.26241	0.23429	0.24277	0.22138	0.21576	0.21948	0.23268	7.630	
	85 4-Chlorotoluene	0.86091	0.88214	0.85147	0.89966	0.85330	0.92143	0.87815	3.212	
	86 1,3,5-Trimethylbenzene	3.05976	2.97301	2.89827	3.03318	2.88075	3.00098	2.97433	2.425	
	87 tert-Butylbenzene	2.75212	2.63156	2.61792	2.70471	2.54454	2.70617	2.65950	2.840	
	88 1,2,4-Trimethylbenzene	3.16695	2.91985	2.95983	3.07699	2.94245	3.04913	3.01920	3.154	
	89 sec-Butylbenzene	4.12314	3.88530	3.68264	3.81879	3.68578	3.81618	3.83531	4.231	
	90 4-Isopropyltoluene	3.36764	3.23816	3.20901	3.27126	3.17971	3.26918	3.25583	2.001	
	91 1,3-Dichlorobenzene	1.91907	1.60768	1.61973	1.65946	1.56856	1.61470	1.66487	7.680	
	93 1,4-Dichlorobenzene	1.84419	1.64146	1.66664	1.66147	1.61538	1.68329	1.68541	4.819	
	94 n-Butylbenzene	3.24130	3.09208	2.94002	3.10310	3.00241	3.06877	3.07461	3.325	
	95 1,2-Dichlorobenzene	1.71755	1.56577	1.53154	1.57248	1.50597	1.54611	1.57324	4.747	
	96 1,2-Dibromo-3-chloropropane	0.15261	0.13883	0.13384	0.12475	0.12032	0.13519	0.13426	8.449	

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond
Curve Type : Average

	Compound	5.000 Level 1	25.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
97	1,2,4-Trichlorobenzene	1.12717	1.09618	1.10606	1.09048	1.04761	1.08652	1.09234	2.406	
98	Hexachlorobutadiene	0.58137	0.57425	0.56445	0.54973	0.54046	0.54172	0.55866	3.090	
99	Naphthalene	2.46760	2.45663	2.59997	2.41354	2.38914	2.49218	2.46984	2.991	
100	1,2,3-Trichlorobenzene	1.05792	0.96824	0.97192	0.93277	0.90685	0.93273	0.96174	5.520	
101	1,1,2-trichlorotrifluoroethan	0.23889	0.23135	0.22278	0.21749	0.21577	0.21156	0.22297	4.643	
102	Methyl acetate	0.27141	0.23357	0.25282	0.21048	0.21891	0.22111	0.23472	9.896	
103	t-1,4-Dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
104	Cyclohexane	0.66828	0.60906	0.59405	0.59214	0.57896	0.56749	0.60166	5.911	
105	Methyl Cyclohexane	0.55554	0.50604	0.48948	0.49031	0.47636	0.47070	0.49807	6.170	
155	n-heptane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
156	cyclohexanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 39	Dibromofluoromethane	0.26312	0.24005	0.24220	0.23958	0.23649	0.23578	0.24287	4.200	
$ 43	1,2-Dichloroethane-d4	0.37603	0.34063	0.34922	0.33424	0.32984	0.32215	0.34202	5.570	
$ 59	Toluene-d8	4.09314	3.88145	4.19044	3.95701	3.83915	3.78769	3.95815	3.935	
$ 80	Bromofluorobenzene	1.16796	1.03722	1.07758	1.06815	1.03453	1.04950	1.07249	4.638	

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond

Calibration File Names:
Level 1: \\pitsvr06\d\chem\hp6.i\6031808d.b\1A60318.D
Level 2: \\pitsvr06\d\chem\hp6.i\6031808d.b\1B60318.D
Level 3: \\pitsvr06\d\chem\hp6.i\6031808d.b\1C60318.D
Level 4: \\pitsvr06\d\chem\hp6.i\6031808d.b\1D60318.D
Level 5: \\pitsvr06\d\chem\hp6.i\6031808d.b\1E60318.D
Level 6: \\pitsvr06\d\chem\hp6.i\6031808d.b\1F60318.D

Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Dichlorodifluoromethane	0.19614	0.16779	0.16148	0.15899	0.15355	0.15475	AVRG		0.16545		9.59914
157 2-Chlorobenzotrifluoride	1.90382	1.73103	1.76447	1.64011	1.64434	1.61709	AVRG		1.71681		6.30182
158 3-Chlorobenzotrifluoride	1.94851	1.83470	1.77003	1.69104	1.62593	1.63033	AVRG		1.75009		7.23547
159 4-Chlorobenzotrifluoride	1.72344	1.69479	1.66211	1.55736	1.51280	1.49495	AVRG		1.60757		6.10705
160 3-Chlorotoluene	0.91540	0.83684	0.90190	0.87179	0.85560	0.84765	AVRG		0.87153		3.58232
161 2,4-Dichlorobenzotrifluoride	0.78076	0.72172	0.72542	0.70694	0.72967	0.72356	AVRG		0.73134		3.47443
162 2,5-Dichlorobenzotrifluoride	0.92720	0.85363	0.79723	0.82990	0.81684	0.87243	AVRG		0.84954		5.46112
163 3,4-Dichlorobenzotrifluoride	0.90395	0.80176	0.79637	0.81021	0.79741	0.81993	AVRG		0.82160		5.02727
164 Dichlorotoluene(2,4+2,5+2,6)	1.58283	1.52367	1.52578	1.54257	1.50242	1.54868	AVRG		1.53766		1.78451
165 Dichlorotoluene(2,3+3,4)	1.65717	1.58243	1.65332	1.63586	1.61618	1.64744	AVRG		1.63207		1.74360
166 1,3,5-Trichlorobenzene	1.26377	1.16540	1.17610	1.16018	1.13404	1.15681	AVRG		1.17605		3.83962
167 2,3,6-Trichlorotoluene	0.58327	0.63449	0.66075	0.56181	0.55754	0.57393	AVRG		0.59530		7.11455
168 2,4,5-Trichlorotoluene	0.70505	0.73895	0.78480	0.67449	0.66290	0.71189	AVRG		0.71301		6.23673
2 Chloromethane	0.40342	0.36218	0.34359	0.34670	0.33388	0.33950	AVRG		0.35488		7.21916

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond

Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
3 Vinyl Chloride	0.36535	0.31145	0.29767	0.28931	0.29142	0.28632	AVRG		0.30692		9.76884	
4 Bromomethane	5148	18825	34864	63113	74466	148188	QUAD	-0.05711	11.96681	1.60929	0.99964	
5 Chloroethane	0.20227	0.16785	0.15485	0.16678	0.15547	0.14832	AVRG		0.16592		11.64684	
6 Trichlorofluoromethane	0.28954	0.27509	0.26875	0.26210	0.25090	0.24622	AVRG		0.26543		6.01916	
7 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
8 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
9 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
11 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
12 1,1-Dichloroethene	0.25709	0.22617	0.21412	0.21959	0.21827	0.21252	AVRG		0.22463		7.39371	
13 Acetone	0.12705	0.11775	0.11085	0.08961	0.09622	0.08951	AVRG		0.10517		14.95286	
14 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
15 Carbon Disulfide	0.83159	0.71198	0.68812	0.68718	0.67259	0.67223	AVRG		0.71062		8.58527	
16 3-Chloro-1-propene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
17 Acetonitrile	0.02172	0.02222	0.02285	0.01916	0.02038	0.01929	AVRG		0.02094		7.42492	
18 Methylene Chloride	0.31608	0.26303	0.26887	0.25878	0.25189	0.24914	AVRG		0.26796		9.19758	
19 trans-1,2-Dichloroethene	0.32133	0.26057	0.26049	0.26717	0.25352	0.25204	AVRG		0.26919		9.70489	
20 Methyl tert-butyl ether	0.74312	0.68606	0.73409	0.67411	0.68049	0.68562	AVRG		0.70058		4.26870	
21 tert-Butyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
22 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
23 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
24 1,1-Dichloroethane	0.54454	0.50945	0.51988	0.51656	0.50797	0.51262	AVRG		0.51850		2.60357	
25 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond

	Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	26 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	27 2,2-Dichloropropane	0.23703	0.21825	0.20888	0.21955	0.21576	0.23108	AVRG		0.22176		4.68218	
	28 cis-1,2-dichloroethene	0.31682	0.28017	0.27950	0.28202	0.28159	0.28147	AVRG		0.28693		5.11485	
M	29 1,2-Dichloroethene (total)	0.31908	0.27037	0.26999	0.27460	0.26755	0.26676	AVRG		0.27806		7.29399	
	30 Bromochloromethane	0.15412	0.13714	0.13861	0.13034	0.13056	0.13204	AVRG		0.13714		6.57014	
	31 2-Butanone	0.15209	0.14004	0.16151	0.12776	0.14036	0.13442	AVRG		0.14270		8.56139	
	32 Vinyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	33 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	34 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	35 Tetrahydrofuran	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	37 Chloroform	0.52743	0.47331	0.47053	0.46767	0.45438	0.45723	AVRG		0.47509		5.62180	
	38 1,1,1-Trichloroethane	0.41584	0.38202	0.36993	0.36636	0.36992	0.36969	AVRG		0.37896		4.97556	
	40 1,1-Dichloropropene	0.40240	0.37350	0.35540	0.35740	0.36047	0.34971	AVRG		0.36648		5.26585	
	41 Carbon Tetrachloride	0.33776	0.29759	0.28625	0.29096	0.28384	0.28984	AVRG		0.29771		6.77755	
	42 Benzene	1.17189	1.00987	1.02557	1.02297	1.02044	1.02763	AVRG		1.04640		5.90519	
	44 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	45 1,2-Dichloroethane	0.48182	0.43161	0.45342	0.43085	0.43323	0.43505	AVRG		0.44433		4.54734	
	47 Trichloroethene	0.31254	0.27411	0.27525	0.27974	0.27750	0.28249	AVRG		0.28361		5.11130	
	48 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	49 1,2-Dichloropropane	0.34481	0.29451	0.30294	0.29868	0.29775	0.30258	AVRG		0.30688		6.14201	
	50 Dibromomethane	0.17087	0.15332	0.16512	0.15651	0.15345	0.15751	AVRG		0.15946		4.42247	

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond

Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
51 Methyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
52 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
53 Bromodichloromethane	0.37887	0.34995	0.35653	0.35688	0.35017	0.35323	AVRG		0.35761		3.02935	
54 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
55 2-Methylfuran	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
56 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
57 cis-1,3-Dichloropropene	0.39109	0.35942	0.38539	0.39076	0.39225	0.41703	AVRG		0.38932		4.72399	
58 4-Methyl-2-Pentanone	1.16814	1.26538	1.34469	1.15422	1.16371	1.13393	AVRG		1.20501		6.82838	
60 Toluene	5.06900	4.65354	4.79171	4.64688	4.49386	4.49721	AVRG		4.69203		4.59866	
61 trans-1,3-Dichloropropene	1.23110	1.16085	1.30659	1.24925	1.24375	1.33557	AVRG		1.25452		4.88104	
62 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
63 1,3-Dichloropropane	1.85712	1.76688	1.87343	1.70707	1.62324	1.62334	AVRG		1.74185		6.31777	
64 1,1,2-Trichloroethane	1.14411	0.98077	1.04762	0.93707	0.90605	0.90499	AVRG		0.98677		9.52497	
65 Tetrachloroethene	0.97606	0.92541	0.91126	0.87891	0.85313	0.83840	AVRG		0.89720		5.67164	
66 2-Hexanone	0.77037	0.79205	0.89592	0.76480	0.79239	0.75681	AVRG		0.79539		6.45399	
67 Dibromochloromethane	1.14632	1.03438	1.06652	0.97138	0.95868	0.97067	AVRG		1.02466		7.13905	
68 1,2-Dibromoethane	1.01284	1.01063	1.03317	0.91142	0.89044	0.89299	AVRG		0.95858		6.98029	
70 Chlorobenzene	3.68107	3.29190	3.44524	3.26029	3.07926	3.04609	AVRG		3.30064		7.18428	
71 1,1,1,2-Tetrachloroethane	1.12628	1.08532	1.10472	1.02286	1.00013	1.01154	AVRG		1.05847		5.05821	
72 Ethylbenzene	1.87566	1.78059	1.79283	1.74967	1.67568	1.66276	AVRG		1.75620		4.51699	
73 m + p-Xylene	2.45603	2.24714	2.24344	2.20356	2.08692	2.08997	AVRG		2.22118		6.10286	
74 Xylene-o	2.43484	2.20715	2.24908	2.14801	2.07542	2.05662	AVRG		2.19519		6.32039	

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TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond

	Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
M	75 Xylenes (total)	2.44897	2.23381	2.24532	2.18505	2.08309	2.07886	AVRG		2.21251		6.15783
	76 Styrene	3.79250	3.59657	3.90155	3.71961	3.55665	3.58414	AVRG		3.69184		3.71064
	77 Bromoform	0.71000	0.65280	0.64165	0.56681	0.56540	0.57952	AVRG		0.61936		9.43951
	78 Isopropylbenzene	5.66355	5.36576	5.41866	5.16094	4.98359	4.94010	AVRG		5.25543		5.29808
	79 Bromobenzene	0.94937	0.80581	0.80310	0.82185	0.79246	0.82393	AVRG		0.83275		7.00712
	81 n-Propylbenzene	0.96834	0.96496	0.96007	1.01616	0.94968	0.97744	AVRG		0.97278		2.37999
	82 2-Chlorotoluene	0.92227	0.81845	0.80471	0.86477	0.80972	0.81529	AVRG		0.83920		5.49082
	83 1,1,2,2-Tetrachloroethane	0.83903	0.73605	0.78255	0.69881	0.70464	0.71966	AVRG		0.74679		7.26500
	84 1,2,3-Trichloropropane	0.26241	0.23429	0.24277	0.22138	0.21576	0.21948	AVRG		0.23268		7.63015
	85 4-Chlorotoluene	0.86091	0.88214	0.85147	0.89966	0.85330	0.92143	AVRG		0.87815		3.21198
	86 1,3,5-Trimethylbenzene	3.05976	2.97301	2.89827	3.03318	2.88075	3.00098	AVRG		2.97433		2.42518
	87 tert-Butylbenzene	2.75212	2.63156	2.61792	2.70471	2.54454	2.70617	AVRG		2.65950		2.84009
	88 1,2,4-Trimethylbenzene	3.16695	2.91985	2.95983	3.07699	2.94245	3.04913	AVRG		3.01920		3.15442
	89 sec-Butylbenzene	4.12314	3.88530	3.68264	3.81879	3.68578	3.81618	AVRG		3.83531		4.23085
	90 4-Isopropyltoluene	3.36764	3.23816	3.20901	3.27126	3.17971	3.26918	AVRG		3.25583		2.00078
	91 1,3-Dichlorobenzene	1.91907	1.60768	1.61973	1.65946	1.56856	1.61470	AVRG		1.66487		7.68028
	93 1,4-Dichlorobenzene	1.84419	1.64146	1.66664	1.66147	1.61538	1.68329	AVRG		1.68541		4.81853
	94 n-Butylbenzene	3.24130	3.09208	2.94002	3.10310	3.00241	3.06877	AVRG		3.07461		3.32524
	95 1,2-Dichlorobenzene	1.71755	1.56577	1.53154	1.57248	1.50597	1.54611	AVRG		1.57324		4.74680
	96 1,2-Dibromo-3-chloropropane	0.15261	0.13883	0.13384	0.12475	0.12032	0.13519	AVRG		0.13426		8.44905
	97 1,2,4-Trichlorobenzene	1.12717	1.09618	1.10606	1.09048	1.04761	1.08652	AVRG		1.09234		2.40616
	98 Hexachlorobutadiene	0.58137	0.57425	0.56445	0.54973	0.54046	0.54172	AVRG		0.55866		3.09031

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond

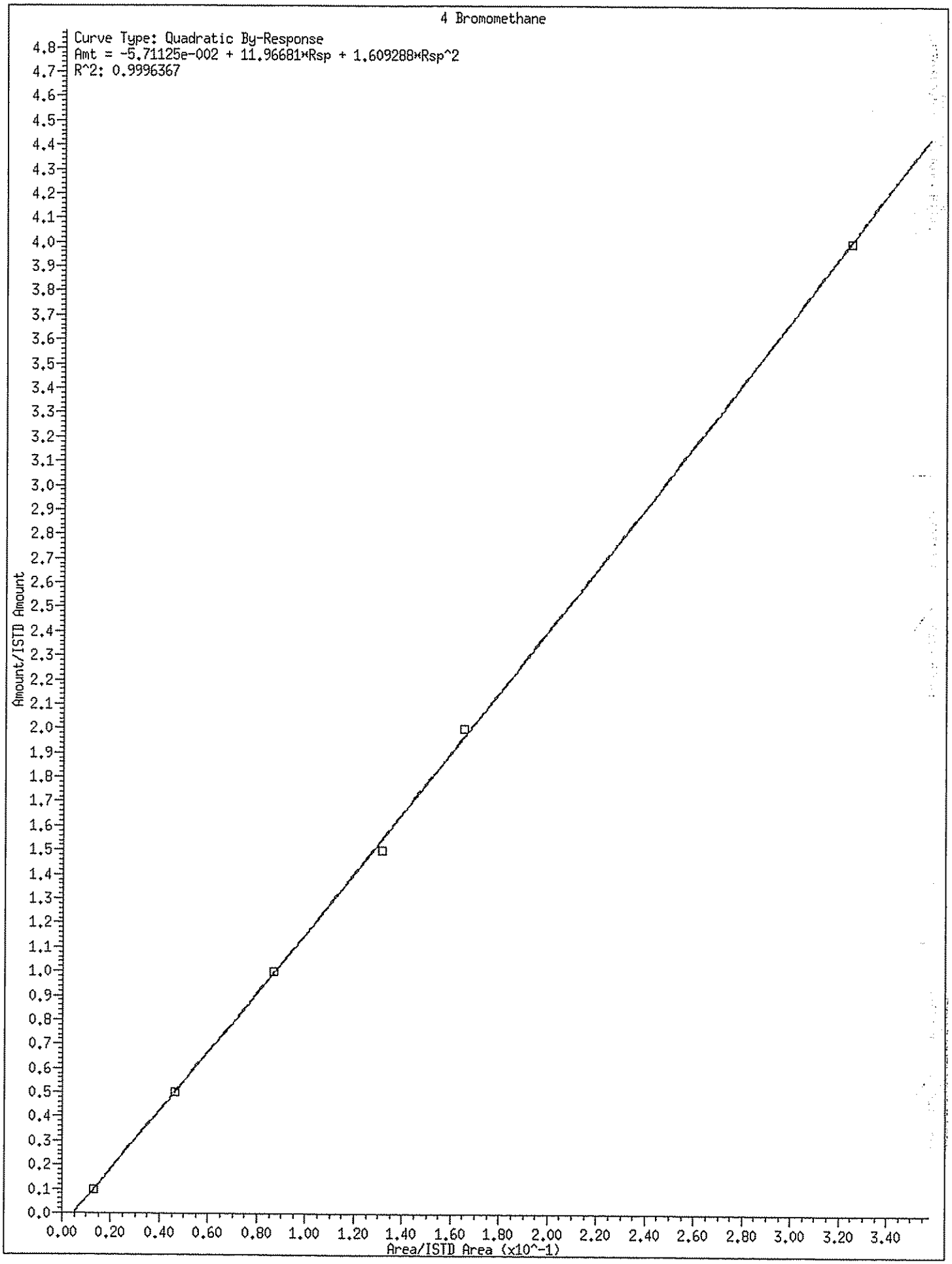
Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
99 Naphthalene	2.46760	2.45663	2.59997	2.41354	2.38914	2.49218	AVRG		2.46984		2.99137	
100 1,2,3-Trichlorobenzene	1.05792	0.96824	0.97192	0.93277	0.90685	0.93273	AVRG		0.96174		5.51993	
101 1,1,2-trichlorotrifluoroethan	0.23889	0.23135	0.22278	0.21749	0.21577	0.21156	AVRG		0.22297		4.64290	
102 Methyl acetate	0.27141	0.23357	0.25282	0.21048	0.21891	0.22111	AVRG		0.23472		9.89645	
103 t-1,4-Dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
104 Cyclohexane	0.66828	0.60906	0.59405	0.59214	0.57896	0.56749	AVRG		0.60166		5.91105	
105 Methyl Cyclohexane	0.55554	0.50604	0.48948	0.49031	0.47636	0.47070	AVRG		0.49807		6.16970	
155 n-heptane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
156 cyclohexanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
$ 39 Dibromofluoromethane	0.26312	0.24005	0.24220	0.23958	0.23649	0.23578	AVRG		0.24287		4.19993	
$ 43 1,2-Dichloroethane-d4	0.37603	0.34063	0.34922	0.33424	0.32984	0.32215	AVRG		0.34202		5.56981	
$ 59 Toluene-d8	4.09314	3.88145	4.19044	3.95701	3.83915	3.78769	AVRG		3.95815		3.93475	
$ 80 Bromofluorobenzene	1.16796	1.03722	1.07758	1.06815	1.03453	1.04950	AVRG		1.07249		4.63840	

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2008 14:31
End Cal Date : 18-MAR-2008 16:32
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Last Edit : 18-Mar-2008 16:51 fergusond

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response


4 Bromomethane
Curve Type: Quadratic By-Response
Amt = -5.71125e-002 + 11.96681*Rsp + 1.609288*Rsp^2
R^2: 0.9996367
Amount/ISTD Amount
Area/ISTD Area (x10^-1)

Data File: \\pitsvr06\d\chem\hp6.i\60318088.b\1A60318.D
Date : 18-MAR-2008 14:31
Client ID: VSTD1
Sample Info: VSTD1 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 001562
Column diameter: 0.20

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\6031808d.b\1A60318.D
Lab Smp Id: vstd1 Client Smp ID: VSTD1
Inj Date : 18-MAR-2008 14:31
Operator : 001562 Inst ID: hp6.i
Smp Info : VSTD1 5ml
Misc Info : vstd1,6031808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Meth Date : 18-Mar-2008 16:57 fergusond Quant Type: ISTD
Cal Date : 21-FEB-2008 12:58 Cal File: 1F60221.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46	Fluorobenzene	96	7.129	7.129	(1.000)	401642	50.0000	
* 69	Chlorobenzene-d5	119	10.237	10.237	(1.000)	99789	50.0000	
* 92	1,4-Dichlorobenzene-d4	152	12.561	12.561	(1.000)	168670	50.0000	
$ 39	Dibromofluoromethane	113	6.374	6.374	(0.894)	10568	5.00000	5.417
$ 43	1,2-Dichloroethane-d4	65	6.751	6.751	(0.947)	15103	5.00000	5.497
$ 59	Toluene-d8	98	8.795	8.795	(0.859)	40845	5.00000	5.170
$ 80	Bromofluorobenzene	95	11.405	11.405	(0.908)	19700	5.00000	5.445
2	Chloromethane	50	1.690	1.690	(0.237)	16203	5.00000	5.684
3	Vinyl Chloride	62	1.818	1.818	(0.255)	14674	5.00000	5.952
4	Bromomethane	94	2.152	2.152	(0.302)	5148	5.00000	4.827
5	Chloroethane	64	2.274	2.274	(0.319)	8124	5.00000	6.095
6	Trichlorofluoromethane	101	2.560	2.560	(0.359)	11629	5.00000	5.454
1	Dichlorodifluoromethane	85	1.538	1.538	(0.216)	7878	5.00000	5.928
12	1,1-Dichloroethene	96	3.217	3.217	(0.451)	10326	5.00000	5.723
13	Acetone	43	3.320	3.320	(0.466)	25514	25.0000	30.20
15	Carbon Disulfide	76	3.497	3.497	(0.491)	33400	5.00000	5.851
17	Acetonitrile	40	3.752	3.752	(0.526)	17444	100.000	103.7
18	Methylene Chloride	84	3.965	3.965	(0.556)	12695	5.00000	5.898
19	trans-1,2-Dichloroethene	96	4.391	4.391	(0.616)	12906	5.00000	5.968
20	Methyl tert-butyl ether	73	4.421	4.421	(0.620)	29847	5.00000	5.304
24	1,1-Dichloroethane	63	5.011	5.011	(0.703)	21871	5.00000	5.251
27	2,2-Dichloropropane	77	5.766	5.766	(0.809)	9520	5.00000	5.344
28	cis-1,2-dichloroethene	96	5.778	5.778	(0.811)	12725	5.00000	5.521

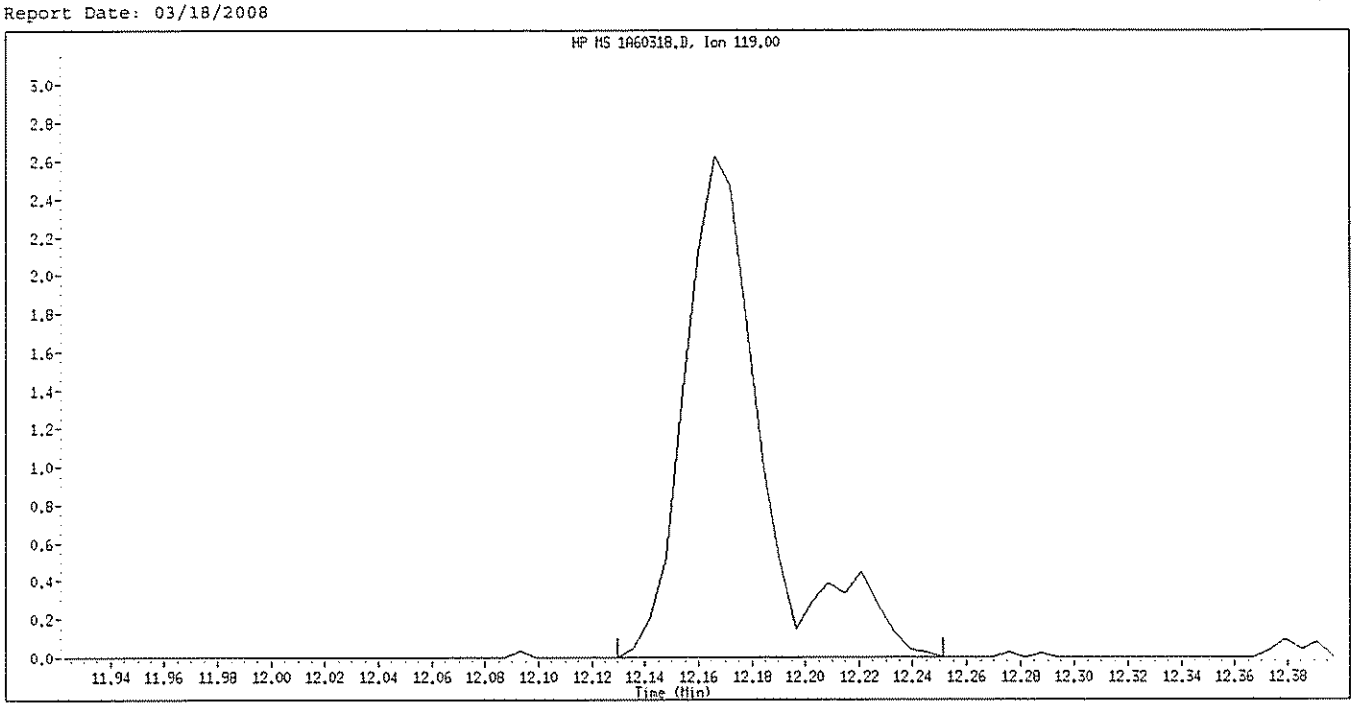
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 29	1,2-Dichloroethene (total)	96				25631	10.0000	11.49
30	Bromochloromethane	128	6.076	6.076	(0.852)	6190	5.00000	5.619
31	2-Butanone	43	5.833	5.833	(0.818)	30542	25.0000	26.64
37	Chloroform	83	6.186	6.186	(0.868)	21184	5.00000	5.551
38	1,1,1-Trichloroethane	97	6.386	6.386	(0.896)	16702	5.00000	5.487
40	1,1-Dichloropropene	75	6.581	6.581	(0.923)	16162	5.00000	5.490
41	Carbon Tetrachloride	117	6.569	6.569	(0.921)	13566	5.00000	5.673
42	Benzene	78	6.812	6.812	(0.956)	47068	5.00000	5.600
45	1,2-Dichloroethane	62	6.843	6.843	(0.960)	19352	5.00000	5.422
47	Trichloroethene	130	7.530	7.530	(1.056)	12553	5.00000	5.510
49	1,2-Dichloropropane	63	7.761	7.761	(1.089)	13849	5.00000	5.618
50	Dibromomethane	93	7.895	7.895	(1.108)	6863	5.00000	5.358
53	Bromodichloromethane	83	8.065	8.065	(1.131)	15217	5.00000	5.297
57	cis-1,3-Dichloropropene	75	8.528	8.528	(1.196)	15708	5.00000	5.023
58	4-Methyl-2-Pentanone	43	8.692	8.692	(0.849)	58284	25.0000	24.24
60	Toluene	91	8.862	8.862	(0.866)	50583	5.00000	5.402
61	trans-1,3-Dichloropropene	75	9.093	9.093	(0.888)	12285	5.00000	4.907
63	1,3-Dichloropropane	76	9.434	9.434	(0.922)	18532	5.00000	5.331
64	1,1,2-Trichloroethane	97	9.270	9.270	(0.906)	11417	5.00000	5.797
65	Tetrachloroethene	164	9.410	9.410	(0.919)	9740	5.00000	5.440
66	2-Hexanone	43	9.525	9.525	(0.930)	38437	25.0000	24.21
67	Dibromochloromethane	129	9.659	9.659	(0.944)	11439	5.00000	5.594
68	1,2-Dibromoethane	107	9.775	9.775	(0.955)	10107	5.00000	5.283
70	Chlorobenzene	112	10.268	10.268	(1.003)	36733	5.00000	5.576
71	1,1,1,2-Tetrachloroethane	131	10.347	10.347	(1.011)	11239	5.00000	5.320
72	Ethylbenzene	106	10.383	10.383	(1.014)	18717	5.00000	5.340
73	m + p-Xylene	106	10.493	10.493	(1.025)	49017	10.0000	11.06
74	Xylene-o	106	10.888	10.888	(1.064)	24297	5.00000	5.546
M 75	Xylenes (total)	106				73314	15.0000	16.60
76	Styrene	104	10.906	10.906	(1.065)	37845	5.00000	5.136
77	Bromoform	173	11.089	11.089	(1.083)	7085	5.00000	5.732
78	Isopropylbenzene	105	11.259	11.259	(1.100)	56516	5.00000	5.388
79	Bromobenzene	156	11.557	11.557	(0.920)	16013	5.00000	5.700
81	n-Propylbenzene	120	11.667	11.667	(0.929)	16333	5.00000	4.977
82	2-Chlorotoluene	126	11.752	11.752	(0.936)	15556	5.00000	5.495
83	1,1,2,2-Tetrachloroethane	83	11.551	11.551	(0.920)	14152	5.00000	5.618
84	1,2,3-Trichloropropane	110	11.600	11.600	(0.923)	4426	5.00000	5.639
85	4-Chlorotoluene	126	11.861	11.861	(0.944)	14521	5.00000	4.902
86	1,3,5-Trimethylbenzene	105	11.843	11.843	(0.943)	51609	5.00000	5.144
87	tert-Butylbenzene	119	12.166	12.166	(0.969)	46420	5.00000	5.174 (M)
88	1,2,4-Trimethylbenzene	105	12.220	12.220	(0.973)	53417	5.00000	5.245
89	sec-Butylbenzene	105	12.385	12.385	(0.986)	69545	5.00000	5.375
90	4-Isopropyltoluene	119	12.531	12.531	(0.998)	56802	5.00000	5.172
91	1,3-Dichlorobenzene	146	12.494	12.494	(0.995)	32369	5.00000	5.763
93	1,4-Dichlorobenzene	146	12.585	12.585	(1.002)	31106	5.00000	5.471
94	n-Butylbenzene	91	12.938	12.938	(1.030)	54671	5.00000	5.271
95	1,2-Dichlorobenzene	146	12.956	12.956	(1.031)	28970	5.00000	5.459
96	1,2-Dibromo-3-chloropropane	157	13.735	13.735	(1.093)	2574	5.00000	5.683
97	1,2,4-Trichlorobenzene	180	14.569	14.569	(1.160)	19012	5.00000	5.159
98	Hexachlorobutadiene	225	14.739	14.739	(1.173)	9806	5.00000	5.203
99	Naphthalene	128	14.818	14.818	(1.180)	41621	5.00000	4.995
100	1,2,3-Trichlorobenzene	180	15.061	15.061	(1.199)	17844	5.00000	5.500
101	1,1,2-trichlorotrifluoroethane	101	3.278	3.278	(0.460)	9595	5.00000	5.357
102	Methyl acetate	43	3.831	3.831	(0.537)	10901	5.00000	5.782

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
104 Cyclohexane	56	6.441	6.441	(0.904)	26841	5.00000	5.554
105 Methyl Cyclohexane	83	7.725	7.725	(1.084)	22313	5.00000	5.577
157 2-Chlorobenzotrifluoride	180	11.150	11.150	(1.089)	18998	5.00000	5.545
158 3-Chlorobenzotrifluoride	180	10.243	10.243	(1.001)	19444	5.00000	5.567
159 4-Chlorobenzotrifluoride	180	10.310	10.310	(1.007)	17198	5.00000	5.360
160 3-Chlorotoluene	126	11.807	11.807	(0.940)	15440	5.00000	5.252
161 2,4-Dichlorobenzotrifluoride	214	12.634	12.634	(1.006)	13169	5.00000	5.338
162 2,5-Dichlorobenzotrifluoride	214	12.689	12.689	(1.010)	15639	5.00000	5.457
163 3,4-Dichlorobenzotrifluoride	214	12.281	12.281	(0.978)	15247	5.00000	5.501
164 Dichlorotoluene(2,4+2,5+2,6)	125	13.887	13.887	(1.106)	80093	15.0000	15.44
165 Dichlorotoluene(2,3+3,4)	125	14.301	14.301	(1.139)	55903	10.0000	10.15
166 1,3,5-Trichlorobenzene	180	13.954	13.954	(1.111)	21316	5.00000	5.373
167 2,3,6-Trichlorotoluene	159	16.047	16.047	(1.277)	9838	5.00000	4.899
168 2,4,5-Trichlorotoluene	159	15.901	15.901	(1.266)	11892	5.00000	4.944

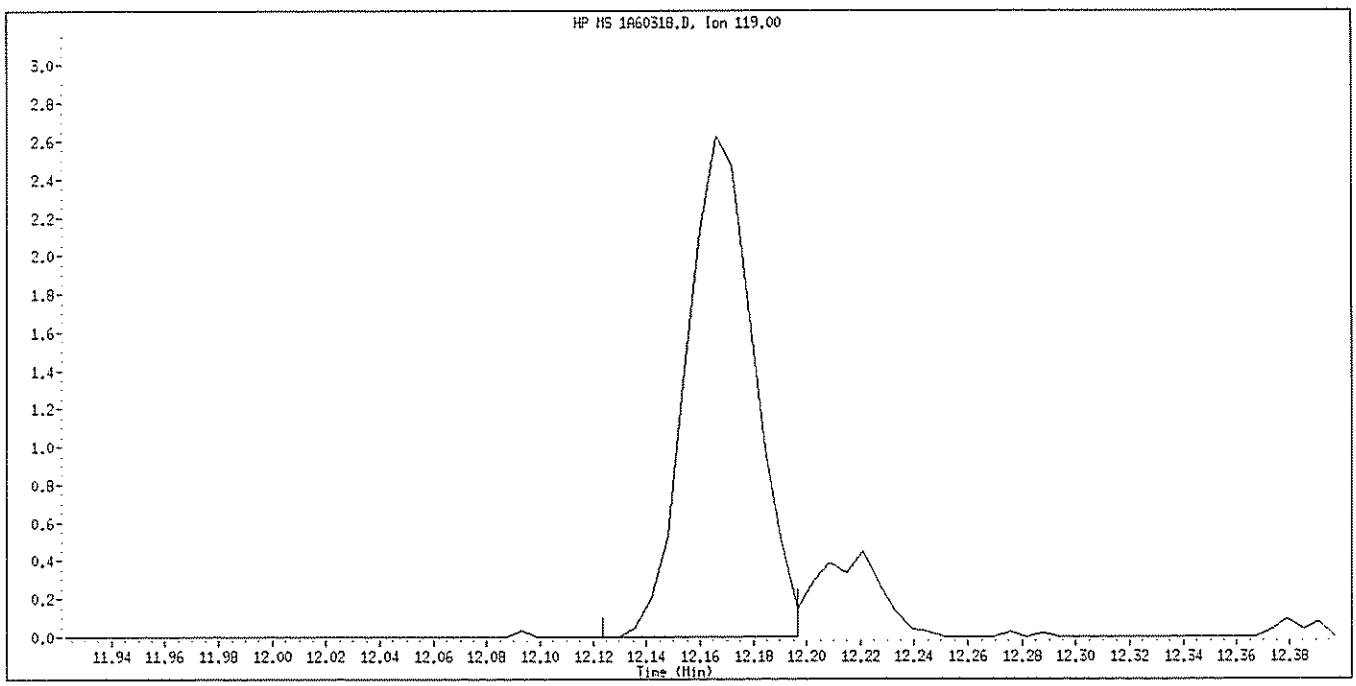
QC Flag Legend

M - Compound response manually integrated.

Data File Name: 1A60318.D
Inj. Date and Time: 18-MAR-2008 14:31
Instrument ID: hp6.i
Client ID: VSTD1
Compound Name: tert-Butylbenzene
CAS #: 98-06-6
Report Date: 03/18/2008

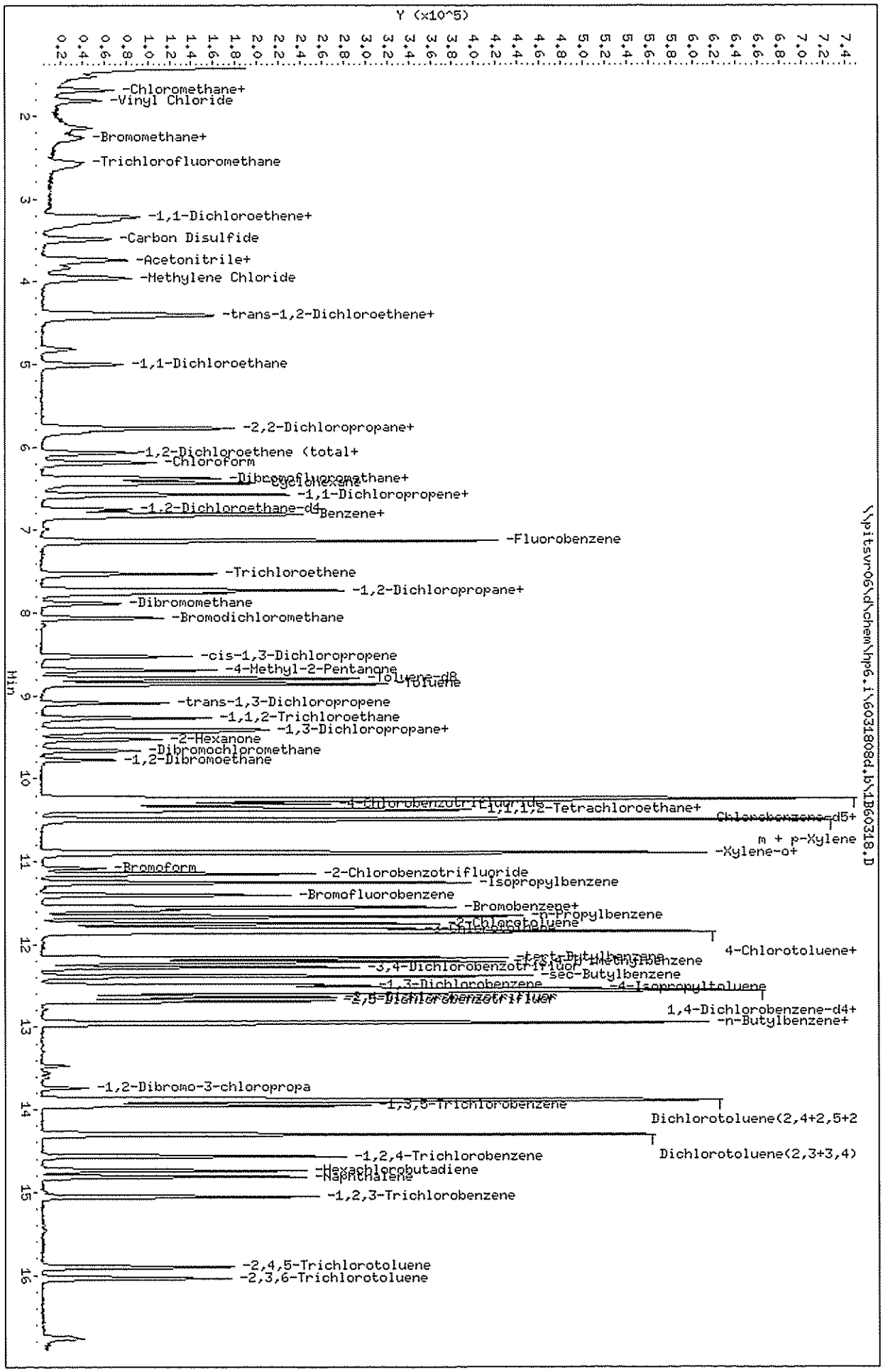


Original Integration



Manual Integration

Manually Integrated By: fergusond
Manual Integration Reason: Peak Integrated Incorrectly



Data File: \\pitsvr06\d\chem\hp6.i\60318d08d.b\1B60318.D
Date : 18-MAR-2008 14:56
Client ID: VSTD5
Sample Info: VSTD5 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 001562
Column diameter: 0.20

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\6031808d.b\1B60318.D
Lab Smp Id: vstd5 Client Smp ID: VSTD5
Inj Date : 18-MAR-2008 14:56
Operator : 001562 Inst ID: hp6.i
Smp Info : VSTD5 5ml
Misc Info : vstd5,6031808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Meth Date : 18-Mar-2008 16:57 fergusond Quant Type: ISTD
Cal Date : 21-FEB-2008 12:58 Cal File: 1F60221.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46	Fluorobenzene	96	7.132	7.132	(1.000)	407634	50.0000	
* 69	Chlorobenzene-d5	119	10.235	10.235	(1.000)	99348	50.0000	
* 92	1,4-Dichlorobenzene-d4	152	12.558	12.558	(1.000)	173015	50.0000	
$ 39	Dibromofluoromethane	113	6.378	6.378	(0.894)	48927	25.0000	24.71
$ 43	1,2-Dichloroethane-d4	65	6.749	6.749	(0.946)	69426	25.0000	24.90
$ 59	Toluene-d8	98	8.793	8.793	(0.859)	192807	25.0000	24.52
$ 80	Bromofluorobenzene	95	11.409	11.409	(0.908)	89727	25.0000	24.18
2	Chloromethane	50	1.693	1.693	(0.237)	73819	25.0000	25.51
3	Vinyl Chloride	62	1.821	1.821	(0.255)	63478	25.0000	25.37
4	Bromomethane	94	2.144	2.144	(0.301)	18825	25.0000	24.95
5	Chloroethane	64	2.271	2.271	(0.319)	34211	25.0000	25.29
6	Trichlorofluoromethane	101	2.569	2.569	(0.360)	56067	25.0000	25.91
1	Dichlorodifluoromethane	85	1.523	1.523	(0.214)	34198	25.0000	25.35
12	1,1-Dichloroethene	96	3.214	3.214	(0.451)	46097	25.0000	25.17
13	Acetone	43	3.324	3.324	(0.466)	48000	50.0000	55.98
15	Carbon Disulfide	76	3.488	3.488	(0.489)	145114	25.0000	25.05
17	Acetonitrile	40	3.737	3.737	(0.524)	90580	500.000	530.7
18	Methylene Chloride	84	3.963	3.963	(0.556)	53610	25.0000	24.54
19	trans-1,2-Dichloroethene	96	4.388	4.388	(0.615)	53109	25.0000	24.20
20	Methyl tert-butyl ether	73	4.419	4.419	(0.620)	139831	25.0000	24.48
24	1,1-Dichloroethane	63	5.009	5.009	(0.702)	103835	25.0000	24.56
27	2,2-Dichloropropane	77	5.769	5.769	(0.809)	44483	25.0000	24.60
28	cis-1,2-dichloroethene	96	5.782	5.782	(0.811)	57104	25.0000	24.41

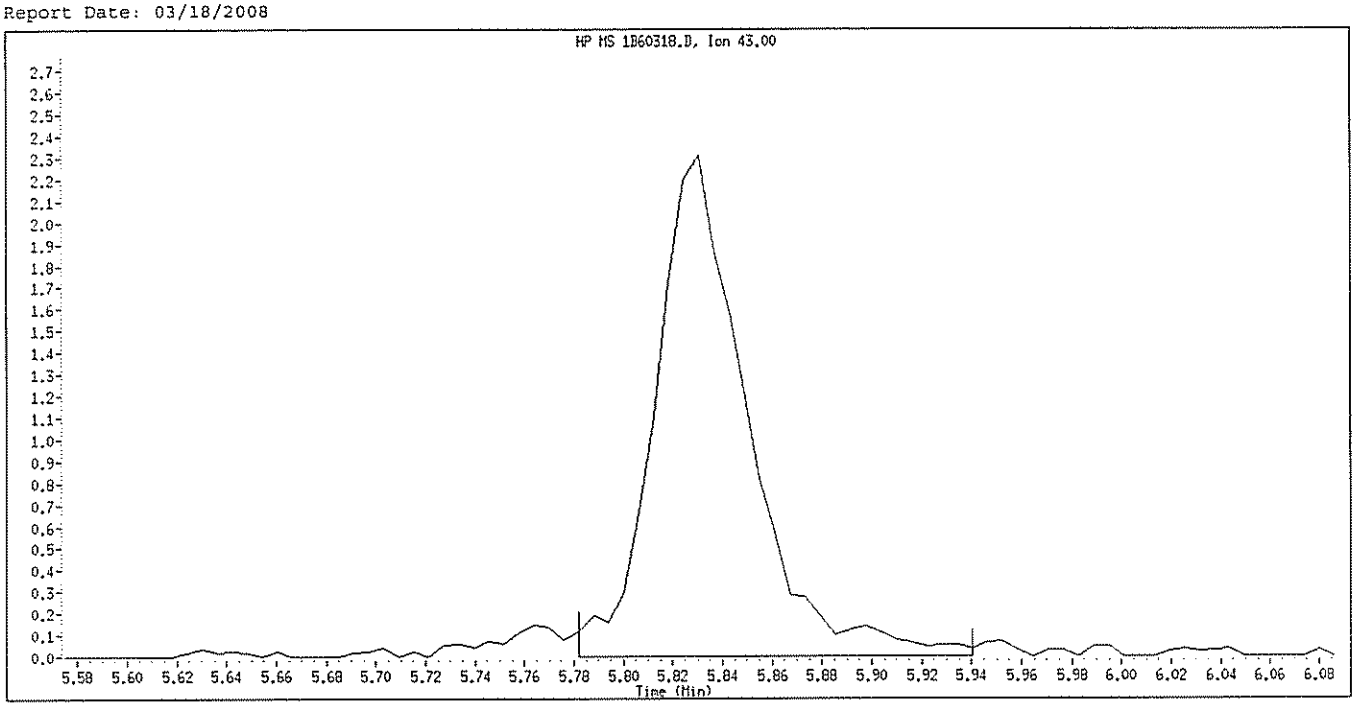
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M	29 1,2-Dichloroethene (total)	96				110213	50.0000	48.61
	30 Bromochloromethane	128	6.080	6.080	(0.852)	27952	25.0000	25.00
	31 2-Butanone	43	5.830	5.830	(0.817)	57085	50.0000	49.07(M)
	37 Chloroform	83	6.189	6.189	(0.868)	96468	25.0000	24.90
	38 1,1,1-Trichloroethane	97	6.384	6.384	(0.895)	77862	25.0000	25.20
	40 1,1-Dichloropropene	75	6.578	6.578	(0.922)	76125	25.0000	25.48
	41 Carbon Tetrachloride	117	6.572	6.572	(0.922)	60653	25.0000	24.99
	42 Benzene	78	6.810	6.810	(0.955)	205829	25.0000	24.13
	45 1,2-Dichloroethane	62	6.834	6.834	(0.958)	87969	25.0000	24.28
	47 Trichloroethene	130	7.534	7.534	(1.056)	55869	25.0000	24.16
	49 1,2-Dichloropropane	63	7.765	7.765	(1.089)	60026	25.0000	23.99
	50 Dibromomethane	93	7.886	7.886	(1.106)	31249	25.0000	24.04
	53 Bromodichloromethane	83	8.063	8.063	(1.130)	71326	25.0000	24.46
	57 cis-1,3-Dichloropropene	75	8.525	8.525	(1.195)	73256	25.0000	23.08
	58 4-Methyl-2-Pentanone	43	8.695	8.695	(0.850)	125713	50.0000	52.50
	60 Toluene	91	8.860	8.860	(0.866)	231160	25.0000	24.79
	61 trans-1,3-Dichloropropene	75	9.091	9.091	(0.888)	57664	25.0000	23.13
	63 1,3-Dichloropropane	76	9.438	9.438	(0.922)	87768	25.0000	25.36
	64 1,1,2-Trichloroethane	97	9.273	9.273	(0.906)	48719	25.0000	24.85
	65 Tetrachloroethene	164	9.413	9.413	(0.920)	45969	25.0000	25.79
	66 2-Hexanone	43	9.529	9.529	(0.931)	78689	50.0000	49.79
	67 Dibromochloromethane	129	9.663	9.663	(0.944)	51382	25.0000	25.24
	68 1,2-Dibromoethane	107	9.772	9.772	(0.955)	50202	25.0000	26.36
	70 Chlorobenzene	112	10.265	10.265	(1.003)	163522	25.0000	24.93
	71 1,1,1,2-Tetrachloroethane	131	10.344	10.344	(1.011)	53912	25.0000	25.63
	72 Ethylbenzene	106	10.375	10.375	(1.014)	88449	25.0000	25.35
	73 m + p-Xylene	106	10.496	10.496	(1.026)	223249	50.0000	50.58
	74 Xylene-o	106	10.886	10.886	(1.064)	109638	25.0000	25.14
M	75 Xylenes (total)	106				332887	75.0000	75.72
	76 Styrene	104	10.904	10.904	(1.065)	178656	25.0000	24.35
	77 Bromoform	173	11.080	11.080	(1.083)	32427	25.0000	26.35
	78 Isopropylbenzene	105	11.257	11.257	(1.100)	266539	25.0000	25.52
	79 Bromobenzene	156	11.555	11.555	(0.920)	69709	25.0000	24.19
	81 n-Propylbenzene	120	11.664	11.664	(0.929)	83476	25.0000	24.80
	82 2-Chlorotoluene	126	11.749	11.749	(0.936)	70802	25.0000	24.38
	83 1,1,2,2-Tetrachloroethane	83	11.555	11.555	(0.920)	63674	25.0000	24.64
	84 1,2,3-Trichloropropane	110	11.597	11.597	(0.923)	20268	25.0000	25.17
	85 4-Chlorotoluene	126	11.859	11.859	(0.944)	76312	25.0000	25.11
	86 1,3,5-Trimethylbenzene	105	11.841	11.841	(0.943)	257188	25.0000	24.99
	87 tert-Butylbenzene	119	12.163	12.163	(0.969)	227650	25.0000	24.74
	88 1,2,4-Trimethylbenzene	105	12.218	12.218	(0.973)	252589	25.0000	24.18
	89 sec-Butylbenzene	105	12.388	12.388	(0.986)	336108	25.0000	25.32
	90 4-Isopropyltoluene	119	12.534	12.534	(0.998)	280125	25.0000	24.86
	91 1,3-Dichlorobenzene	146	12.498	12.498	(0.995)	139076	25.0000	24.14
	93 1,4-Dichlorobenzene	146	12.583	12.583	(1.002)	141999	25.0000	24.35
	94 n-Butylbenzene	91	12.942	12.942	(1.031)	267488	25.0000	25.14
	95 1,2-Dichlorobenzene	146	12.960	12.960	(1.032)	135451	25.0000	24.88
	96 1,2-Dibromo-3-chloropropane	157	13.733	13.733	(1.093)	12010	25.0000	25.85
	97 1,2,4-Trichlorobenzene	180	14.572	14.572	(1.160)	94828	25.0000	25.09
	98 Hexachlorobutadiene	225	14.742	14.742	(1.174)	49677	25.0000	25.70
	99 Naphthalene	128	14.815	14.815	(1.180)	212517	25.0000	24.87
	100 1,2,3-Trichlorobenzene	180	15.059	15.059	(1.199)	83760	25.0000	25.17
	101 1,1,2-trichlorotrifluoroethane	101	3.269	3.269	(0.458)	47153	25.0000	25.94
	102 Methyl acetate	43	3.835	3.835	(0.538)	47605	25.0000	24.88

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
104 Cyclohexane	56	6.432	6.432	(0.902)	124136	25.0000	25.31
105 Methyl Cyclohexane	83	7.728	7.728	(1.084)	103139	25.0000	25.40
157 2-Chlorobenzotrifluoride	180	11.153	11.153	(1.090)	85987	25.0000	25.21
158 3-Chlorobenzotrifluoride	180	10.253	10.253	(1.002)	91137	25.0000	26.21
159 4-Chlorobenzotrifluoride	180	10.308	10.308	(1.007)	84187	25.0000	26.36
160 3-Chlorotoluene	126	11.816	11.816	(0.941)	72393	25.0000	24.00
161 2,4-Dichlorobenzotrifluoride	214	12.638	12.638	(1.006)	62434	25.0000	24.67
162 2,5-Dichlorobenzotrifluoride	214	12.686	12.686	(1.010)	73845	25.0000	25.12
163 3,4-Dichlorobenzotrifluoride	214	12.279	12.279	(0.978)	69358	25.0000	24.40
164 Dichlorotoluene(2,4+2,5+2,6)	125	13.885	13.885	(1.106)	395427	75.0000	74.32
165 Dichlorotoluene(2,3+3,4)	125	14.304	14.304	(1.139)	273784	50.0000	48.48
166 1,3,5-Trichlorobenzene	180	13.952	13.952	(1.111)	100816	25.0000	24.77
167 2,3,6-Trichlorotoluene	159	16.038	16.038	(1.277)	54888	25.0000	26.64
168 2,4,5-Trichlorotoluene	159	15.898	15.898	(1.266)	63925	25.0000	25.91

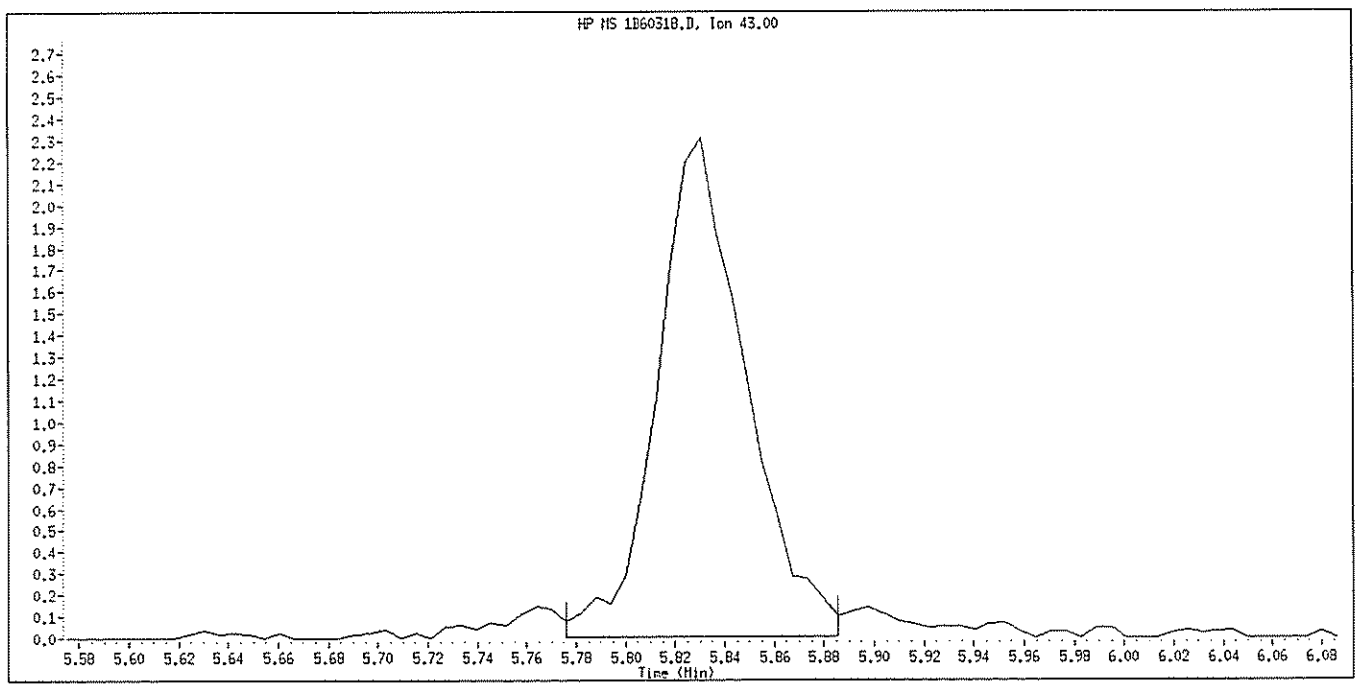
QC Flag Legend

M - Compound response manually integrated.

Data File Name: 1B60318.D
Inj. Date and Time: 18-MAR-2008 14:56
Instrument ID: hp6.i
Client ID: VSTD5
Compound Name: 2-Butanone
CAS #: 78-93-3
Report Date: 03/18/2008

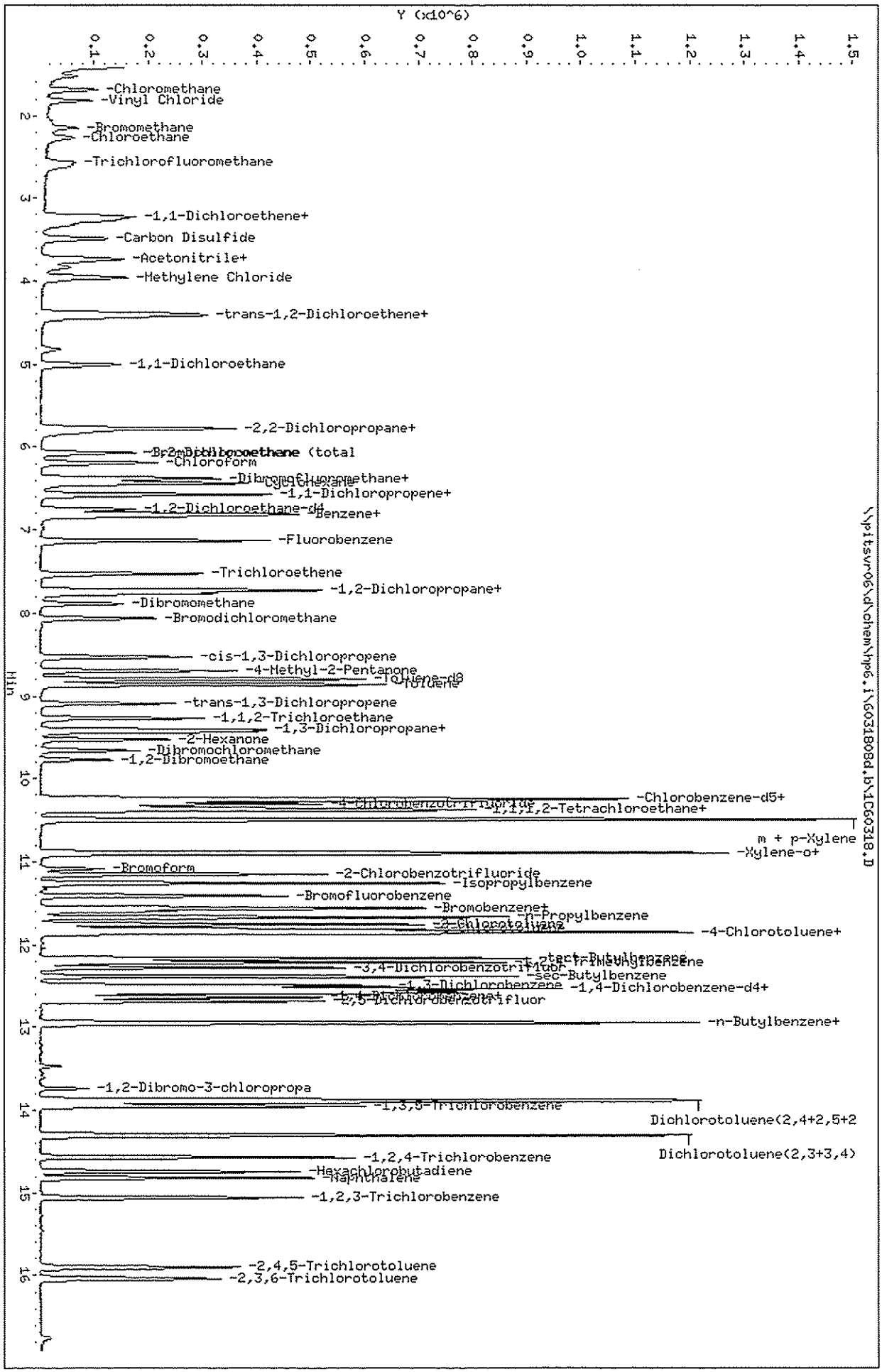


Original Integration



Manual Integration

Manually Integrated By: fergusond
Manual Integration Reason: Peak Integrated Incorrectly



Data File: \\pitsvr06\d\chem\hp6.i\60318088.b\1C60318.D
Date : 18-MAR-2008 15:20
Client ID: VSTD10
Sample Info: VSTD10 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 001562
Column diameter: 0.20

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\6031808d.b\1C60318.D
Lab Smp Id: vstd10 Client Smp ID: VSTD10
Inj Date : 18-MAR-2008 15:20
Operator : 001562 Inst ID: hp6.i
Smp Info : VSTD10 5ml
Misc Info : vstd10,6031808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Meth Date : 18-Mar-2008 16:57 fergusond Quant Type: ISTD
Cal Date : 21-FEB-2008 12:58 Cal File: 1F60221.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene	96	7.129	7.129	(1.000)	401150	50.0000	
* 69 Chlorobenzene-d5	119	10.237	10.237	(1.000)	97507	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.561	12.561	(1.000)	173570	50.0000	
$ 39 Dibromofluoromethane	113	6.380	6.380	(0.895)	97160	50.0000	49.86
$ 43 1,2-Dichloroethane-d4	65	6.751	6.751	(0.947)	140090	50.0000	51.05
$ 59 Toluene-d8	98	8.796	8.796	(0.859)	408597	50.0000	52.93
$ 80 Bromofluorobenzene	95	11.405	11.405	(0.908)	187035	50.0000	50.24
2 Chloromethane	50	1.684	1.684	(0.236)	137830	50.0000	48.41
3 Vinyl Chloride	62	1.818	1.818	(0.255)	119411	50.0000	48.49
4 Bromomethane	94	2.146	2.146	(0.301)	34864	50.0000	49.75
5 Chloroethane	64	2.274	2.274	(0.319)	62117	50.0000	46.66
6 Trichlorofluoromethane	101	2.566	2.566	(0.360)	107810	50.0000	50.62
1 Dichlorodifluoromethane	85	1.532	1.532	(0.215)	64778	50.0000	48.80(M)
12 1,1-Dichloroethene	96	3.223	3.223	(0.452)	85895	50.0000	47.66
13 Acetone	43	3.320	3.320	(0.466)	88932	100.000	105.4
15 Carbon Disulfide	76	3.491	3.491	(0.490)	276040	50.0000	48.42
17 Acetonitrile	40	3.740	3.740	(0.525)	183319	1000.00	1091
18 Methylene Chloride	84	3.959	3.959	(0.555)	107859	50.0000	50.17
19 trans-1,2-Dichloroethene	96	4.391	4.391	(0.616)	104496	50.0000	48.38
20 Methyl tert-butyl ether	73	4.422	4.422	(0.620)	294480	50.0000	52.39
24 1,1-Dichloroethane	63	5.006	5.006	(0.702)	208551	50.0000	50.13
27 2,2-Dichloropropane	77	5.772	5.772	(0.810)	83791	50.0000	47.10
28 cis-1,2-dichloroethene	96	5.784	5.784	(0.811)	112120	50.0000	48.70

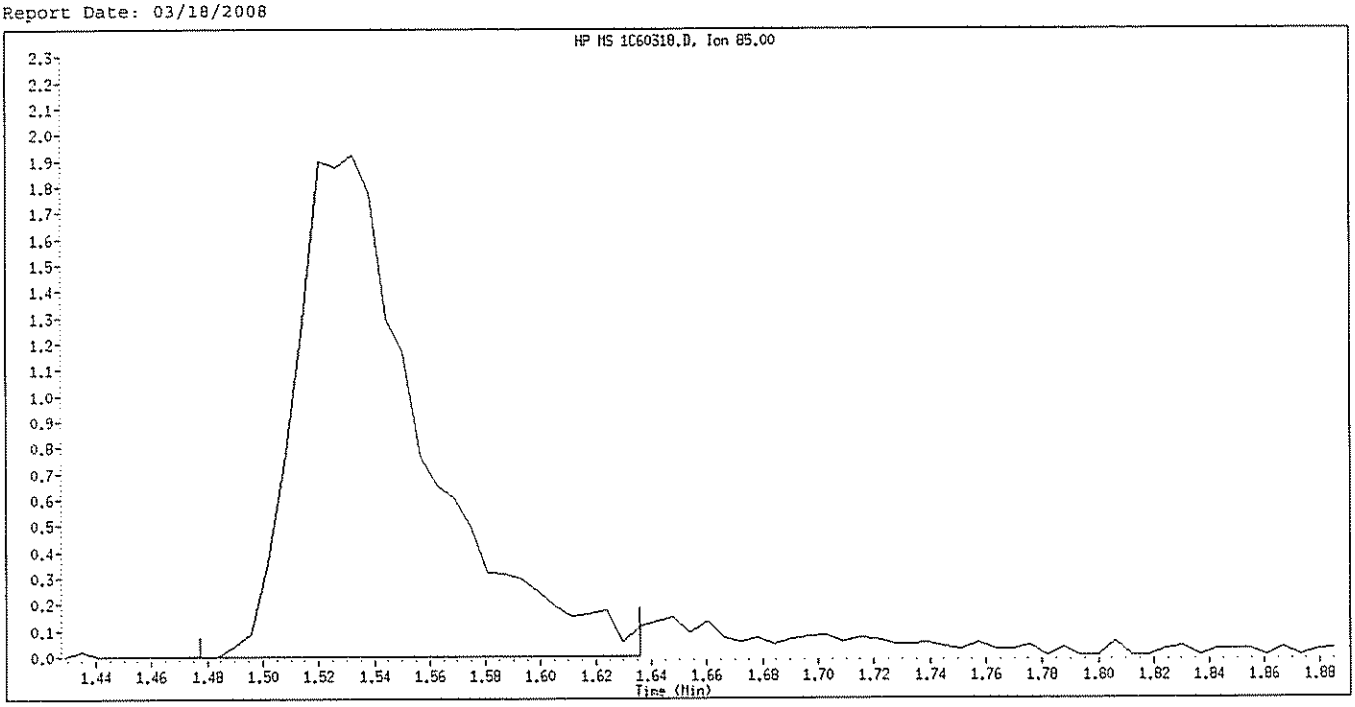
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M	29 1,2-Dichloroethene (total)	96				216616	100.000	97.09
	30 Bromochloromethane	128	6.070	6.070	(0.852)	55603	50.0000	50.54
	31 2-Butanone	43	5.827	5.827	(0.817)	129581	100.000	113.2
	37 Chloroform	83	6.192	6.192	(0.869)	188755	50.0000	49.52
	38 1,1,1-Trichloroethane	97	6.380	6.380	(0.895)	148398	50.0000	48.81
	40 1,1-Dichloropropene	75	6.575	6.575	(0.922)	142568	50.0000	48.49
	41 Carbon Tetrachloride	117	6.575	6.575	(0.922)	114828	50.0000	48.08
	42 Benzene	78	6.812	6.812	(0.956)	411407	50.0000	49.00
	45 1,2-Dichloroethane	62	6.837	6.837	(0.959)	181890	50.0000	51.02
	47 Trichloroethene	130	7.530	7.530	(1.056)	110418	50.0000	48.53
	49 1,2-Dichloropropane	63	7.761	7.761	(1.089)	121524	50.0000	49.36
	50 Dibromomethane	93	7.883	7.883	(1.106)	66238	50.0000	51.77
	53 Bromodichloromethane	83	8.066	8.066	(1.131)	143023	50.0000	49.85
	57 cis-1,3-Dichloropropene	75	8.528	8.528	(1.196)	154599	50.0000	49.49
	58 4-Methyl-2-Pentanone	43	8.692	8.692	(0.849)	262234	100.000	111.6
	60 Toluene	91	8.862	8.862	(0.866)	467225	50.0000	51.06
	61 trans-1,3-Dichloropropene	75	9.094	9.094	(0.888)	127402	50.0000	52.08
	63 1,3-Dichloropropane	76	9.434	9.434	(0.922)	182673	50.0000	53.78
	64 1,1,2-Trichloroethane	97	9.270	9.270	(0.906)	102150	50.0000	53.08
	65 Tetrachloroethene	164	9.410	9.410	(0.919)	88854	50.0000	50.78
	66 2-Hexanone	43	9.532	9.532	(0.931)	174716	100.000	112.6
	67 Dibromochloromethane	129	9.665	9.665	(0.944)	103993	50.0000	52.04
	68 1,2-Dibromoethane	107	9.769	9.769	(0.954)	100741	50.0000	53.89
	70 Chlorobenzene	112	10.262	10.262	(1.002)	335935	50.0000	52.19
	71 1,1,1,2-Tetrachloroethane	131	10.347	10.347	(1.011)	107718	50.0000	52.18
	72 Ethylbenzene	106	10.377	10.377	(1.014)	174813	50.0000	51.04
	73 m + p-Xylene	106	10.493	10.493	(1.025)	437503	100.000	101.0
	74 Xylene-o	106	10.888	10.888	(1.064)	219301	50.0000	51.23
M	75 Xylenes (total)	106				656804	150.000	152.2
	76 Styrene	104	10.900	10.900	(1.065)	380428	50.0000	52.84
	77 Bromoform	173	11.083	11.083	(1.083)	62565	50.0000	51.80
	78 Isopropylbenzene	105	11.259	11.259	(1.100)	528357	50.0000	51.55
	79 Bromobenzene	156	11.557	11.557	(0.920)	139394	50.0000	48.22
	81 n-Propylbenzene	120	11.667	11.667	(0.929)	166640	50.0000	49.35
	82 2-Chlorotoluene	126	11.752	11.752	(0.936)	139673	50.0000	47.94
	83 1,1,2,2-Tetrachloroethane	83	11.551	11.551	(0.920)	135828	50.0000	52.39
	84 1,2,3-Trichloropropane	110	11.594	11.594	(0.923)	42137	50.0000	52.17
	85 4-Chlorotoluene	126	11.862	11.862	(0.944)	147789	50.0000	48.48
	86 1,3,5-Trimethylbenzene	105	11.843	11.843	(0.943)	503053	50.0000	48.72
	87 tert-Butylbenzene	119	12.166	12.166	(0.969)	454392	50.0000	49.22
	88 1,2,4-Trimethylbenzene	105	12.214	12.214	(0.972)	513738	50.0000	49.02
	89 sec-Butylbenzene	105	12.385	12.385	(0.986)	639196	50.0000	48.01
	90 4-Isopropyltoluene	119	12.531	12.531	(0.998)	556988	50.0000	49.28
	91 1,3-Dichlorobenzene	146	12.494	12.494	(0.995)	281137	50.0000	48.64
	93 1,4-Dichlorobenzene	146	12.586	12.586	(1.002)	289278	50.0000	49.44
	94 n-Butylbenzene	91	12.938	12.938	(1.030)	510300	50.0000	47.81
	95 1,2-Dichlorobenzene	146	12.957	12.957	(1.031)	265829	50.0000	48.67
	96 1,2-Dibromo-3-chloropropane	157	13.735	13.735	(1.093)	23230	50.0000	49.84
	97 1,2,4-Trichlorobenzene	180	14.569	14.569	(1.160)	191979	50.0000	50.63
	98 Hexachlorobutadiene	225	14.739	14.739	(1.173)	97971	50.0000	50.52
	99 Naphthalene	128	14.818	14.818	(1.180)	451276	50.0000	52.63
	100 1,2,3-Trichlorobenzene	180	15.055	15.055	(1.199)	168697	50.0000	50.53
	101 1,1,2-trichlorotrifluoroethane	101	3.266	3.266	(0.458)	89369	50.0000	49.96
	102 Methyl acetate	43	3.838	3.838	(0.538)	101417	50.0000	53.86

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
104 Cyclohexane	56	6.441	6.441	(0.904)	238305	50.0000	49.37
105 Methyl Cyclohexane	83	7.725	7.725	(1.084)	196353	50.0000	49.14
157 2-Chlorobenzotrifluoride	180	11.150	11.150	(1.089)	172048	50.0000	51.39
158 3-Chlorobenzotrifluoride	180	10.249	10.249	(1.001)	172590	50.0000	50.57
159 4-Chlorobenzotrifluoride	180	10.310	10.310	(1.007)	162067	50.0000	51.70
160 3-Chlorotoluene	126	11.813	11.813	(0.940)	156542	50.0000	51.74
161 2,4-Dichlorobenzotrifluoride	214	12.634	12.634	(1.006)	125911	50.0000	49.59
162 2,5-Dichlorobenzotrifluoride	214	12.689	12.689	(1.010)	138376	50.0000	46.92
163 3,4-Dichlorobenzotrifluoride	214	12.281	12.281	(0.978)	138226	50.0000	48.46
164 Dichlorotoluene(2,4+2,5+2,6)	125	13.881	13.881	(1.105)	794490	150.000	148.8
165 Dichlorotoluene(2,3+3,4)	125	14.301	14.301	(1.139)	573934	100.000	101.3
166 1,3,5-Trichlorobenzene	180	13.954	13.954	(1.111)	204136	50.0000	50.00
167 2,3,6-Trichlorotoluene	159	16.041	16.041	(1.277)	114687	50.0000	55.50
168 2,4,5-Trichlorotoluene	159	15.901	15.901	(1.266)	136218	50.0000	55.03

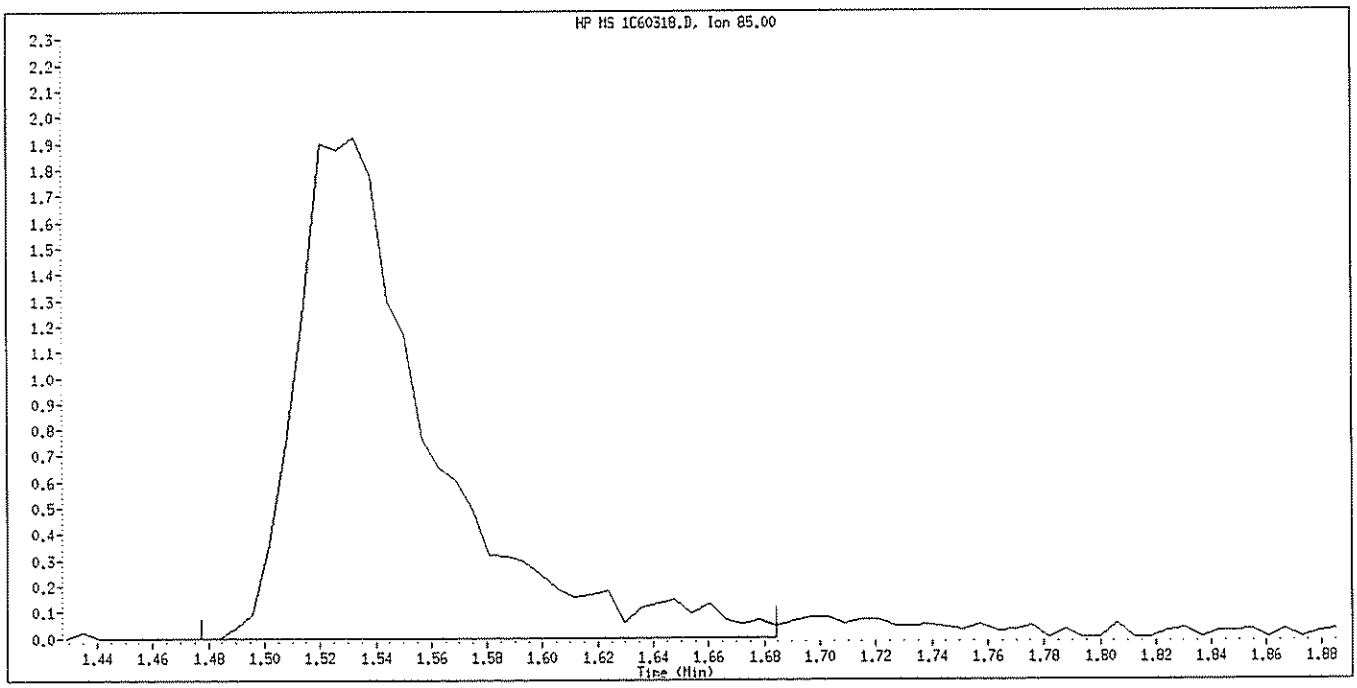
QC Flag Legend

M - Compound response manually integrated.

Data File Name: 1C60318.D
Inj. Date and Time: 18-MAR-2008 15:20
Instrument ID: hp6.i
Client ID: VSTD10
Compound Name: Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 03/18/2008

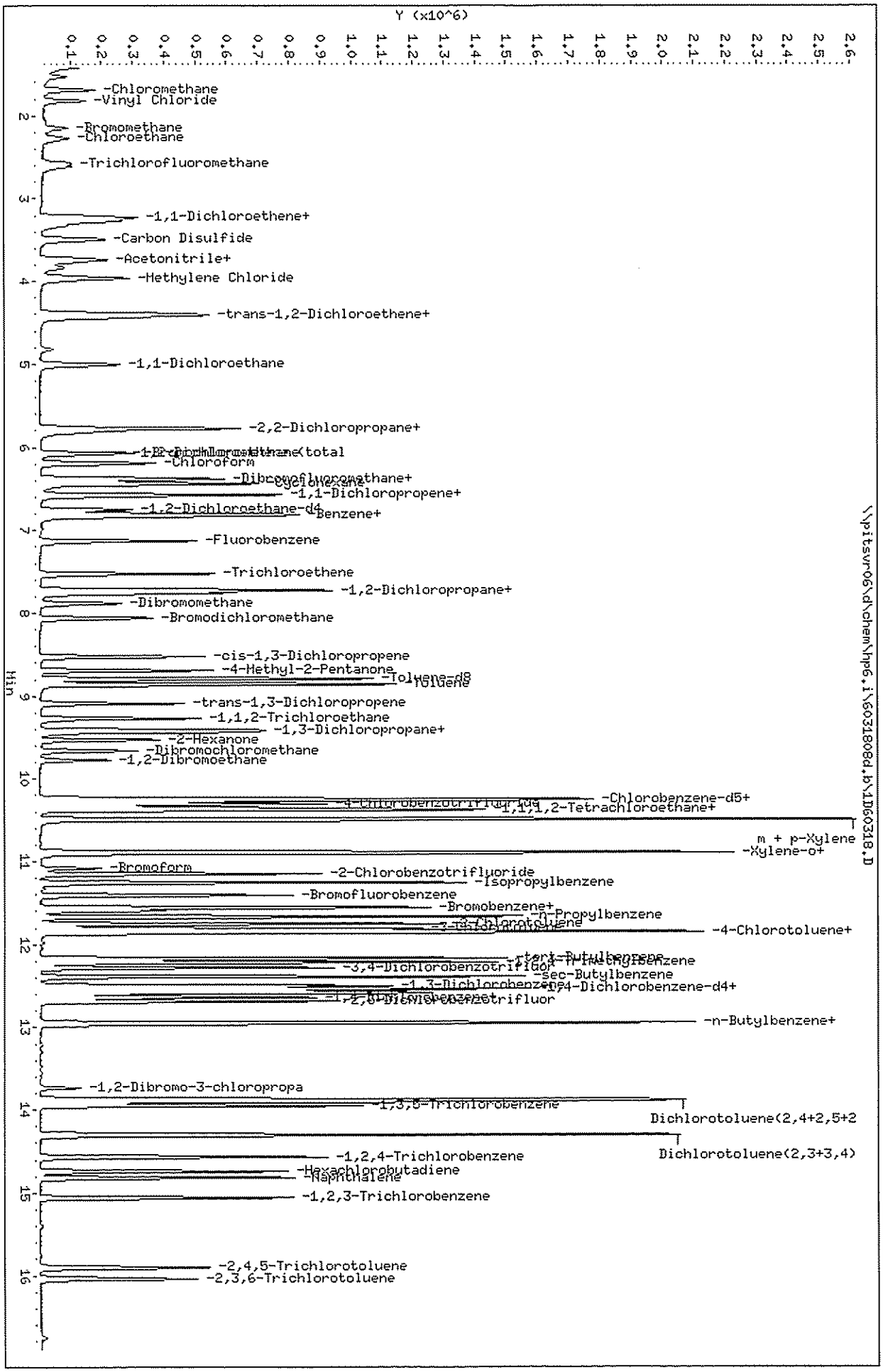


Original Integration



Manual Integration

Manually Integrated By: fergusond
Manual Integration Reason: Peak Integrated Incorrectly



Data File: \\pitsvr06\d\chem\hp6.i\60318d.b\1D60318.D
Date : 18-MAR-2008 15:44
Client ID: VSTD15
Sample Info: VSTD15 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 001562
Column diameter: 0.20

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\6031808d.b\1D60318.D
Lab Smp Id: vstd15 Client Smp ID: VSTD15
Inj Date : 18-MAR-2008 15:44
Operator : 001562 Inst ID: hp6.i
Smp Info : VSTD15 5ml
Misc Info : vstd15,6031808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\6031808d.b\8260ee.m
Meth Date : 18-Mar-2008 16:57 fergusond Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITSVR06

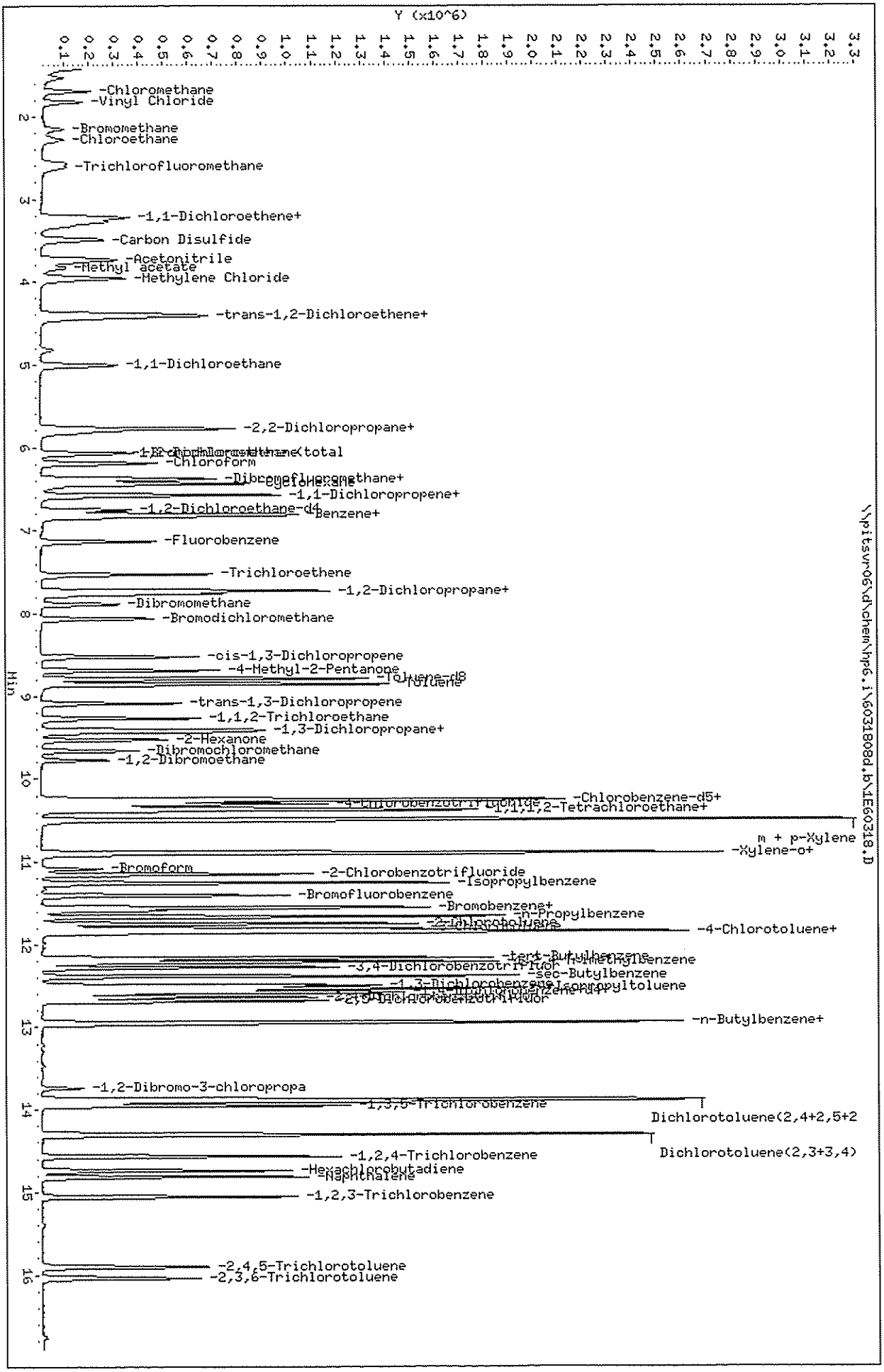
Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene	96	7.133	7.133	(1.000)	479801	50.0000	
* 69 Chlorobenzene-d5	119	10.242	10.242	(1.000)	121993	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.559	12.559	(1.000)	196076	50.0000	
$ 39 Dibromofluoromethane	113	6.379	6.379	(0.894)	172427	75.0000	73.98
$ 43 1,2-Dichloroethane-d4	65	6.756	6.756	(0.947)	240550	75.0000	73.29
$ 59 Toluene-d8	98	8.794	8.794	(0.859)	724092	75.0000	74.98
$ 80 Bromofluorobenzene	95	11.410	11.410	(0.908)	314157	75.0000	74.70
2 Chloromethane	50	1.694	1.694	(0.238)	249519	75.0000	73.27
3 Vinyl Chloride	62	1.828	1.828	(0.256)	208218	75.0000	70.70
4 Bromomethane	94	2.150	2.150	(0.302)	63113	75.0000	77.24
5 Chloroethane	64	2.272	2.272	(0.319)	120032	75.0000	75.39
6 Trichlorofluoromethane	101	2.570	2.570	(0.360)	188636	75.0000	74.06
1 Dichlorodifluoromethane	85	1.530	1.530	(0.215)	114427	75.0000	72.07
12 1,1-Dichloroethene	96	3.221	3.221	(0.452)	158042	75.0000	73.32
13 Acetone	43	3.331	3.331	(0.467)	128991	150.000	127.8
15 Carbon Disulfide	76	3.495	3.495	(0.490)	494561	75.0000	72.53
17 Acetonitrile	40	3.744	3.744	(0.525)	275800	1500.00	1373
18 Methylene Chloride	84	3.963	3.963	(0.556)	186242	75.0000	72.43
19 trans-1,2-Dichloroethene	96	4.395	4.395	(0.616)	192283	75.0000	74.44
20 Methyl tert-butyl ether	73	4.420	4.420	(0.620)	485157	75.0000	72.16
24 1,1-Dichloroethane	63	5.004	5.004	(0.702)	371767	75.0000	74.72
27 2,2-Dichloropropane	77	5.770	5.770	(0.809)	158011	75.0000	74.25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
28	cis-1,2-dichloroethene	96	5.782	5.782	(0.811)	202973	75.0000	73.72
M 29	1,2-Dichloroethene (total)	96				395256	150.000	148.2
30	Bromochloromethane	128	6.074	6.074	(0.852)	93807	75.0000	71.28
31	2-Butanone	43	5.825	5.825	(0.817)	183896	150.000	134.3
37	Chloroform	83	6.190	6.190	(0.868)	336586	75.0000	73.83
38	1,1,1-Trichloroethane	97	6.385	6.385	(0.895)	263667	75.0000	72.50
40	1,1-Dichloropropene	75	6.579	6.579	(0.922)	257220	75.0000	73.14
41	Carbon Tetrachloride	117	6.573	6.573	(0.922)	209404	75.0000	73.30
42	Benzene	78	6.810	6.810	(0.955)	736231	75.0000	73.32
45	1,2-Dichloroethane	62	6.841	6.841	(0.959)	310082	75.0000	72.72
47	Trichloroethene	130	7.534	7.534	(1.056)	201330	75.0000	73.98
49	1,2-Dichloropropane	63	7.766	7.766	(1.089)	214964	75.0000	73.00
50	Dibromomethane	93	7.887	7.887	(1.106)	112641	75.0000	73.61
53	Bromodichloromethane	83	8.064	8.064	(1.130)	256850	75.0000	74.85
57	cis-1,3-Dichloropropene	75	8.526	8.526	(1.195)	281233	75.0000	75.28
58	4-Methyl-2-Pentanone	43	8.696	8.696	(0.849)	422421	150.000	143.7
60	Toluene	91	8.861	8.861	(0.865)	850331	75.0000	74.28
61	trans-1,3-Dichloropropene	75	9.092	9.092	(0.888)	228600	75.0000	74.68
63	1,3-Dichloropropane	76	9.438	9.438	(0.922)	312375	75.0000	73.50
64	1,1,2-Trichloroethane	97	9.274	9.274	(0.906)	171474	75.0000	71.22
65	Tetrachloroethene	164	9.414	9.414	(0.919)	160832	75.0000	73.47
66	2-Hexanone	43	9.530	9.530	(0.930)	279900	150.000	144.2
67	Dibromochloromethane	129	9.664	9.664	(0.944)	177752	75.0000	71.10
68	1,2-Dibromoethane	107	9.773	9.773	(0.954)	166780	75.0000	71.31
70	Chlorobenzene	112	10.266	10.266	(1.002)	596599	75.0000	74.08
71	1,1,1,2-Tetrachloroethane	131	10.351	10.351	(1.011)	187172	75.0000	72.48
72	Ethylbenzene	106	10.375	10.375	(1.013)	320171	75.0000	74.72
73	m + p-Xylene	106	10.497	10.497	(1.025)	806457	150.000	148.8
74	Xylene-o	106	10.886	10.886	(1.063)	393064	75.0000	73.39
M 75	Xylenes (total)	106				1199521	225.000	222.2
76	Styrene	104	10.905	10.905	(1.065)	680650	75.0000	75.56
77	Bromoform	173	11.087	11.087	(1.083)	103720	75.0000	68.64
78	Isopropylbenzene	105	11.257	11.257	(1.099)	944397	75.0000	73.65
79	Bromobenzene	156	11.556	11.556	(0.920)	241717	75.0000	74.02
81	n-Propylbenzene	120	11.665	11.665	(0.929)	298868	75.0000	78.34
82	2-Chlorotoluene	126	11.750	11.750	(0.936)	254342	75.0000	77.28
83	1,1,2,2-Tetrachloroethane	83	11.549	11.549	(0.920)	205530	75.0000	70.18
84	1,2,3-Trichloropropane	110	11.592	11.592	(0.923)	65112	75.0000	71.36
85	4-Chlorotoluene	126	11.860	11.860	(0.944)	264602	75.0000	76.84
86	1,3,5-Trimethylbenzene	105	11.841	11.841	(0.943)	892100	75.0000	76.48
87	tert-Butylbenzene	119	12.170	12.170	(0.969)	795492	75.0000	76.27
88	1,2,4-Trimethylbenzene	105	12.213	12.213	(0.972)	904987	75.0000	76.44
89	sec-Butylbenzene	105	12.389	12.389	(0.986)	1123160	75.0000	74.68
90	4-Isopropyltoluene	119	12.529	12.529	(0.998)	962124	75.0000	75.36
91	1,3-Dichlorobenzene	146	12.498	12.498	(0.995)	488070	75.0000	74.76
93	1,4-Dichlorobenzene	146	12.584	12.584	(1.002)	488662	75.0000	73.93
94	n-Butylbenzene	91	12.943	12.943	(1.031)	912666	75.0000	75.69
95	1,2-Dichlorobenzene	146	12.961	12.961	(1.032)	462487	75.0000	74.96
96	1,2-Dibromo-3-chloropropane	157	13.739	13.739	(1.094)	36691	75.0000	69.69
97	1,2,4-Trichlorobenzene	180	14.567	14.567	(1.160)	320726	75.0000	74.87
98	Hexachlorobutadiene	225	14.743	14.743	(1.174)	161682	75.0000	73.80
99	Naphthalene	128	14.816	14.816	(1.180)	709855	75.0000	73.29
100	1,2,3-Trichlorobenzene	180	15.060	15.060	(1.199)	274340	75.0000	72.74
101	1,1,2-trichlorotrifluoroethane	101	3.264	3.264	(0.458)	156526	75.0000	73.15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
102	Methyl acetate	43	3.836	3.836	(0.538)	151480	75.0000	67.25
104	Cyclohexane	56	6.439	6.439	(0.903)	426166	75.0000	73.81
105	Methyl Cyclohexane	83	7.729	7.729	(1.084)	352877	75.0000	73.83
157	2-Chlorobenzotrifluoride	180	11.154	11.154	(1.089)	300122	75.0000	71.65
158	3-Chlorobenzotrifluoride	180	10.254	10.254	(1.001)	309443	75.0000	72.47
159	4-Chlorobenzotrifluoride	180	10.308	10.308	(1.007)	284980	75.0000	72.66
160	3-Chlorotoluene	126	11.811	11.811	(0.940)	256406	75.0000	75.02
161	2,4-Dichlorobenzotrifluoride	214	12.638	12.638	(1.006)	207920	75.0000	72.50
162	2,5-Dichlorobenzotrifluoride	214	12.687	12.687	(1.010)	244086	75.0000	73.27
163	3,4-Dichlorobenzotrifluoride	214	12.279	12.279	(0.978)	238293	75.0000	73.96
164	Dichlorotoluene(2,4+2,5+2,6)	125	13.886	13.886	(1.106)	1361078	225.000	225.7
165	Dichlorotoluene(2,3+3,4)	125	14.305	14.305	(1.139)	962261	150.000	150.3
166	1,3,5-Trichlorobenzene	180	13.952	13.952	(1.111)	341226	75.0000	73.99
167	2,3,6-Trichlorotoluene	159	16.039	16.039	(1.277)	165235	75.0000	70.78
168	2,4,5-Trichlorotoluene	159	15.905	15.905	(1.266)	198376	75.0000	70.95



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Client ID: VSTD20
Sample Info: VSTD20 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 001562
Column diameter: 0.20

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VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\6031808d.b\1E60318.D
Lab Smp Id: vstd20 Client Smp ID: VSTD20
Inj Date : 18-MAR-2008 16:08
Operator : 001562 Inst ID: hp6.i
Smp Info : VSTD20 5ml
Misc Info : vstd20,6031808d.b,8260ee.m,4-dwlistee.sub
Comment :
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Cal Date : 18-MAR-2008 15:44 Cal File: 1D60318.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITSVR06

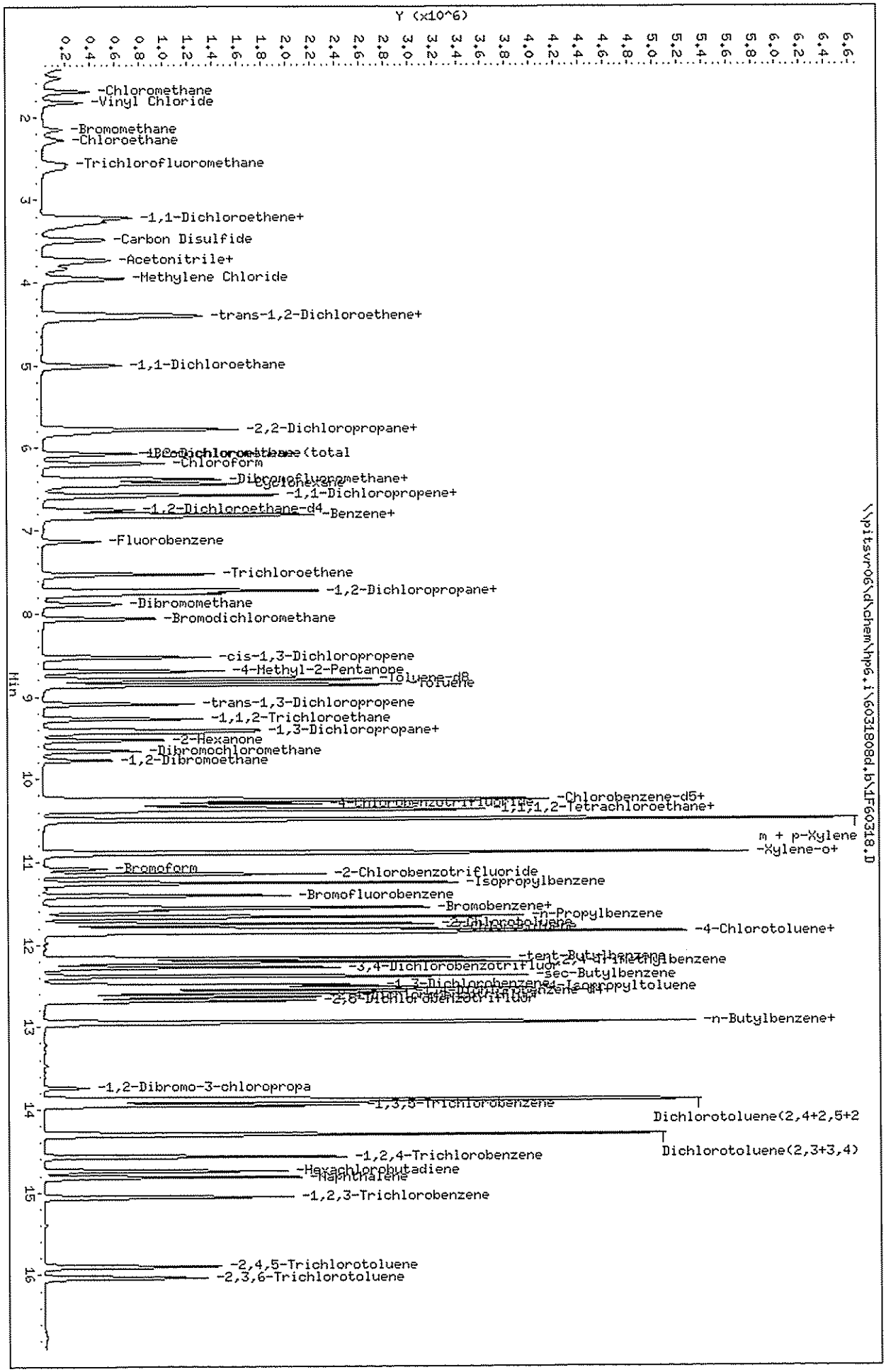
Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene	96	7.132	7.132	(1.000)	451213	50.0000	
* 69 Chlorobenzene-d5	119	10.235	10.235	(1.000)	117087	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.559	12.559	(1.000)	189579	50.0000	
$ 39 Dibromofluoromethane	113	6.378	6.378	(0.894)	213416	100.000	97.37
$ 43 1,2-Dichloroethane-d4	65	6.755	6.755	(0.947)	297653	100.000	96.44
$ 59 Toluene-d8	98	8.793	8.793	(0.859)	899029	100.000	96.99
$ 80 Bromofluorobenzene	95	11.409	11.409	(0.908)	392250	100.000	96.46
2 Chloromethane	50	1.693	1.693	(0.237)	301298	100.000	94.08
3 Vinyl Chloride	62	1.821	1.821	(0.255)	262985	100.000	94.95
4 Bromomethane	94	2.156	2.156	(0.302)	74466	100.000	98.08
5 Chloroethane	64	2.284	2.284	(0.320)	140304	100.000	93.70
6 Trichlorofluoromethane	101	2.557	2.557	(0.359)	226423	100.000	94.53
1 Dichlorodifluoromethane	85	1.535	1.535	(0.215)	138565	100.000	92.80
12 1,1-Dichloroethene	96	3.220	3.220	(0.452)	196974	100.000	97.17
13 Acetone	43	3.324	3.324	(0.466)	173662	200.000	183.0
15 Carbon Disulfide	76	3.494	3.494	(0.490)	606966	100.000	94.65
17 Acetonitrile	40	3.738	3.738	(0.524)	367846	2000.00	1947
18 Methylene Chloride	84	3.957	3.957	(0.555)	227310	100.000	94.00
19 trans-1,2-Dichloroethene	96	4.388	4.388	(0.615)	228782	100.000	94.18
20 Methyl tert-butyl ether	73	4.419	4.419	(0.620)	614095	100.000	97.13
24 1,1-Dichloroethane	63	5.003	5.003	(0.701)	458401	100.000	97.97
27 2,2-Dichloropropane	77	5.769	5.769	(0.809)	194709	100.000	97.30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	28 cis-1,2-dichloroethene	96	5.782	5.782	(0.811)	254115	100.000	98.14
M	29 1,2-Dichloroethene (total)	96				482897	200.000	192.3
	30 Bromochloromethane	128	6.074	6.074	(0.852)	117819	100.000	95.20
	31 2-Butanone	43	5.824	5.824	(0.817)	253330	200.000	196.7
	37 Chloroform	83	6.195	6.195	(0.869)	410043	100.000	95.64
	38 1,1,1-Trichloroethane	97	6.384	6.384	(0.895)	333827	100.000	97.61
	40 1,1-Dichloropropene	75	6.578	6.578	(0.922)	325294	100.000	98.36
	41 Carbon Tetrachloride	117	6.572	6.572	(0.922)	256146	100.000	95.34
	42 Benzene	78	6.810	6.810	(0.955)	920874	100.000	97.52
	45 1,2-Dichloroethane	62	6.840	6.840	(0.959)	390955	100.000	97.50
	47 Trichloroethene	130	7.534	7.534	(1.056)	250421	100.000	97.85
	49 1,2-Dichloropropane	63	7.765	7.765	(1.089)	268693	100.000	97.02
	50 Dibromomethane	93	7.886	7.886	(1.106)	138474	100.000	96.23
	53 Bromodichloromethane	83	8.063	8.063	(1.130)	316007	100.000	97.92
	57 cis-1,3-Dichloropropene	75	8.525	8.525	(1.195)	353975	100.000	100.8
	58 4-Methyl-2-Pentanone	43	8.689	8.689	(0.849)	545022	200.000	193.1
	60 Toluene	91	8.860	8.860	(0.866)	1052346	100.000	95.78
	61 trans-1,3-Dichloropropene	75	9.091	9.091	(0.888)	291255	100.000	99.14
	63 1,3-Dichloropropane	76	9.438	9.438	(0.922)	380121	100.000	93.19
	64 1,1,2-Trichloroethane	97	9.273	9.273	(0.906)	212173	100.000	91.82
	65 Tetrachloroethene	164	9.413	9.413	(0.920)	199780	100.000	95.09
	66 2-Hexanone	43	9.529	9.529	(0.931)	371115	200.000	199.2
	67 Dibromochloromethane	129	9.663	9.663	(0.944)	224497	100.000	93.56
	68 1,2-Dibromoethane	107	9.772	9.772	(0.955)	208518	100.000	92.89
	70 Chlorobenzene	112	10.265	10.265	(1.003)	721082	100.000	93.29
	71 1,1,1,2-Tetrachloroethane	131	10.350	10.350	(1.011)	234204	100.000	94.49
	72 Ethylbenzene	106	10.375	10.375	(1.014)	392400	100.000	95.42
	73 m + p-Xylene	106	10.496	10.496	(1.026)	977405	200.000	187.9
	74 Xylene-o	106	10.892	10.892	(1.064)	486009	100.000	94.54
M	75 Xylenes (total)	106				1463414	300.000	282.4
	76 Styrene	104	10.904	10.904	(1.065)	832876	100.000	96.34
	77 Bromoform	173	11.086	11.086	(1.083)	132402	100.000	91.29
	78 Isopropylbenzene	105	11.257	11.257	(1.100)	1167027	100.000	94.83
	79 Bromobenzene	156	11.555	11.555	(0.920)	300466	100.000	95.16
	81 n-Propylbenzene	120	11.664	11.664	(0.929)	360077	100.000	97.62
	82 2-Chlorotoluene	126	11.749	11.749	(0.936)	307012	100.000	96.49
	83 1,1,2,2-Tetrachloroethane	83	11.555	11.555	(0.920)	267171	100.000	94.36
	84 1,2,3-Trichloropropane	110	11.597	11.597	(0.923)	81809	100.000	92.73
	85 4-Chlorotoluene	126	11.859	11.859	(0.944)	323537	100.000	97.17
	86 1,3,5-Trimethylbenzene	105	11.841	11.841	(0.943)	1092259	100.000	96.85
	87 tert-Butylbenzene	119	12.169	12.169	(0.969)	964782	100.000	95.68
	88 1,2,4-Trimethylbenzene	105	12.212	12.212	(0.972)	1115655	100.000	97.46
	89 sec-Butylbenzene	105	12.388	12.388	(0.986)	1397493	100.000	96.10
	90 4-Isopropyltoluene	119	12.534	12.534	(0.998)	1205611	100.000	97.66
	91 1,3-Dichlorobenzene	146	12.498	12.498	(0.995)	594732	100.000	94.22
	93 1,4-Dichlorobenzene	146	12.583	12.583	(1.002)	612486	100.000	95.84
	94 n-Butylbenzene	91	12.942	12.942	(1.031)	1138386	100.000	97.65
	95 1,2-Dichlorobenzene	146	12.960	12.960	(1.032)	570999	100.000	95.72
	96 1,2-Dibromo-3-chloropropane	157	13.739	13.739	(1.094)	45619	100.000	89.62
	97 1,2,4-Trichlorobenzene	180	14.572	14.572	(1.160)	397211	100.000	95.90
	98 Hexachlorobutadiene	225	14.742	14.742	(1.174)	204920	100.000	96.74
	99 Naphthalene	128	14.815	14.815	(1.180)	905863	100.000	96.73
	100 1,2,3-Trichlorobenzene	180	15.059	15.059	(1.199)	343839	100.000	94.29
	101 1,1,2-trichlorotrifluoroethane	101	3.269	3.269	(0.458)	194713	100.000	96.77

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
102 Methyl acetate	43	3.829	3.829	(0.537)	197554	100.000	93.27
104 Cyclohexane	56	6.439	6.439	(0.903)	522471	100.000	96.23
105 Methyl Cyclohexane	83	7.728	7.728	(1.084)	429880	100.000	95.64
157 2-Chlorobenzotrifluoride	180	11.153	11.153	(1.090)	385062	100.000	95.78
158 3-Chlorobenzotrifluoride	180	10.247	10.247	(1.001)	380751	100.000	92.90
159 4-Chlorobenzotrifluoride	180	10.308	10.308	(1.007)	354259	100.000	94.10
160 3-Chlorotoluene	126	11.810	11.810	(0.940)	324407	100.000	98.17
161 2,4-Dichlorobenzotrifluoride	214	12.638	12.638	(1.006)	276661	100.000	99.77
162 2,5-Dichlorobenzotrifluoride	214	12.686	12.686	(1.010)	309710	100.000	96.15
163 3,4-Dichlorobenzotrifluoride	214	12.279	12.279	(0.978)	302345	100.000	97.06
164 Dichlorotoluene(2,4+2,5+2,6)	125	13.885	13.885	(1.106)	1708969	300.000	293.1
165 Dichlorotoluene(2,3+3,4)	125	14.304	14.304	(1.139)	1225574	200.000	198.0
166 1,3,5-Trichlorobenzene	180	13.952	13.952	(1.111)	429979	100.000	96.43
167 2,3,6-Trichlorotoluene	159	16.038	16.038	(1.277)	211397	100.000	93.66
168 2,4,5-Trichlorotoluene	159	15.904	15.904	(1.266)	251342	100.000	92.97



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Sample Info: VSTD40 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 001562
Column diameter: 0.20

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VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\6031808d.b\1F60318.D
Lab Smp Id: vstd40 Client Smp ID: VSTD40
Inj Date : 18-MAR-2008 16:32
Operator : 001562 Inst ID: hp6.i
Smp Info : VSTD40 5ml
Misc Info : vstd40,6031808d.b,8260ee.m,4-dwlistee.sub
Comment :
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Meth Date : 18-Mar-2008 16:57 fergusond Quant Type: ISTD
Cal Date : 18-MAR-2008 16:08 Cal File: 1E60318.D
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITSVR06

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene	96	7.128	7.128	(1.000)	455873	50.0000	
* 69 Chlorobenzene-d5	119	10.237	10.237	(1.000)	121151	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.561	12.561	(1.000)	188022	50.0000	
$ 39 Dibromofluoromethane	113	6.380	6.380	(0.895)	429938	200.000	194.2
$ 43 1,2-Dichloroethane-d4	65	6.751	6.751	(0.947)	587436	200.000	188.4
$ 59 Toluene-d8	98	8.795	8.795	(0.859)	1835532	200.000	191.4
$ 80 Bromofluorobenzene	95	11.405	11.405	(0.908)	789313	200.000	195.7
2 Chloromethane	50	1.690	1.690	(0.237)	619068	200.000	191.3
3 Vinyl Chloride	62	1.824	1.824	(0.256)	522103	200.000	186.6
4 Bromomethane	94	2.152	2.152	(0.302)	148188	200.000	200.1
5 Chloroethane	64	2.280	2.280	(0.320)	270460	200.000	178.8
6 Trichlorofluoromethane	101	2.560	2.560	(0.359)	448987	200.000	185.5
1 Dichlorodifluoromethane	85	1.532	1.532	(0.215)	282193	200.000	187.1
12 1,1-Dichloroethene	96	3.217	3.217	(0.451)	387528	200.000	189.2
13 Acetone	43	3.326	3.326	(0.467)	326455	400.000	340.5
15 Carbon Disulfide	76	3.490	3.490	(0.490)	1225813	200.000	189.2
17 Acetonitrile	40	3.734	3.734	(0.524)	703567	4000.00	3686
18 Methylene Chloride	84	3.959	3.959	(0.555)	454309	200.000	186.0
19 trans-1,2-Dichloroethene	96	4.391	4.391	(0.616)	459593	200.000	187.3
20 Methyl tert-butyl ether	73	4.415	4.415	(0.619)	1250219	200.000	195.7
24 1,1-Dichloroethane	63	5.005	5.005	(0.702)	934755	200.000	197.7
27 2,2-Dichloropropane	77	5.772	5.772	(0.810)	421367	200.000	208.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	28 cis-1,2-dichloroethene	96	5.778	5.778	(0.811)	513266	200.000	196.2
M	29 1,2-Dichloroethene (total)	96				972859	400.000	383.4
	30 Bromochloromethane	128	6.070	6.070	(0.852)	240781	200.000	192.6
	31 2-Butanone	43	5.826	5.826	(0.817)	490245	400.000	376.8
	37 Chloroform	83	6.191	6.191	(0.869)	833758	200.000	192.5
	38 1,1,1-Trichloroethane	97	6.380	6.380	(0.895)	674134	200.000	195.1
	40 1,1-Dichloropropene	75	6.581	6.581	(0.923)	637690	200.000	190.8
	41 Carbon Tetrachloride	117	6.575	6.575	(0.922)	528515	200.000	194.7
	42 Benzene	78	6.812	6.812	(0.956)	1873877	200.000	196.4
	45 1,2-Dichloroethane	62	6.842	6.842	(0.960)	793318	200.000	195.8
	47 Trichloroethene	130	7.530	7.530	(1.056)	515114	200.000	199.2
	49 1,2-Dichloropropane	63	7.761	7.761	(1.089)	551750	200.000	197.2
	50 Dibromomethane	93	7.883	7.883	(1.106)	287225	200.000	197.6
	53 Bromodichloromethane	83	8.065	8.065	(1.131)	644112	200.000	197.6
	57 cis-1,3-Dichloropropene	75	8.528	8.528	(1.196)	760457	200.000	214.2
	58 4-Methyl-2-Pentanone	43	8.692	8.692	(0.849)	1099014	400.000	376.4
	60 Toluene	91	8.862	8.862	(0.866)	2179364	200.000	191.7
	61 trans-1,3-Dichloropropene	75	9.093	9.093	(0.888)	647224	200.000	212.9
	63 1,3-Dichloropropane	76	9.434	9.434	(0.922)	786677	200.000	186.4
	64 1,1,2-Trichloroethane	97	9.276	9.276	(0.906)	438560	200.000	183.4
	65 Tetrachloroethene	164	9.410	9.410	(0.919)	406292	200.000	186.9
	66 2-Hexanone	43	9.531	9.531	(0.931)	733505	400.000	380.6
	67 Dibromochloromethane	129	9.665	9.665	(0.944)	470391	200.000	189.5
	68 1,2-Dibromoethane	107	9.775	9.775	(0.955)	432745	200.000	186.3
	70 Chlorobenzene	112	10.267	10.267	(1.003)	1476145	200.000	184.6
	71 1,1,1,2-Tetrachloroethane	131	10.346	10.346	(1.011)	490194	200.000	191.1
	72 Ethylbenzene	106	10.377	10.377	(1.014)	805780	200.000	189.4
	73 m + p-Xylene	106	10.492	10.492	(1.025)	2025619	400.000	376.4
	74 Xylene-o	106	10.888	10.888	(1.064)	996647	200.000	187.4
M	75 Xylenes (total)	106				3022266	600.000	563.7
	76 Styrene	104	10.900	10.900	(1.065)	1736887	200.000	194.2
	77 Bromoform	173	11.083	11.083	(1.083)	280837	200.000	187.1
	78 Isopropylbenzene	105	11.259	11.259	(1.100)	2393994	200.000	188.0
	79 Bromobenzene	156	11.557	11.557	(0.920)	619669	200.000	197.9
	81 n-Propylbenzene	120	11.667	11.667	(0.929)	735122	200.000	201.0
	82 2-Chlorotoluene	126	11.752	11.752	(0.936)	613170	200.000	194.3
	83 1,1,2,2-Tetrachloroethane	83	11.551	11.551	(0.920)	541250	200.000	192.7
	84 1,2,3-Trichloropropane	110	11.594	11.594	(0.923)	165066	200.000	188.6
	85 4-Chlorotoluene	126	11.861	11.861	(0.944)	692994	200.000	209.8
	86 1,3,5-Trimethylbenzene	105	11.843	11.843	(0.943)	2256999	200.000	201.8
	87 tert-Butylbenzene	119	12.165	12.165	(0.969)	2035276	200.000	203.5
	88 1,2,4-Trimethylbenzene	105	12.214	12.214	(0.972)	2293215	200.000	202.0
	89 sec-Butylbenzene	105	12.384	12.384	(0.986)	2870105	200.000	199.0
	90 4-Isopropyltoluene	119	12.530	12.530	(0.998)	2458714	200.000	200.8
	91 1,3-Dichlorobenzene	146	12.494	12.494	(0.995)	1214400	200.000	194.0
	93 1,4-Dichlorobenzene	146	12.585	12.585	(1.002)	1265979	200.000	199.7
	94 n-Butylbenzene	91	12.938	12.938	(1.030)	2307987	200.000	199.6
	95 1,2-Dichlorobenzene	146	12.956	12.956	(1.031)	1162808	200.000	196.6
	96 1,2-Dibromo-3-chloropropane	157	13.735	13.735	(1.093)	101675	200.000	201.4
	97 1,2,4-Trichlorobenzene	180	14.568	14.568	(1.160)	817156	200.000	198.9
	98 Hexachlorobutadiene	225	14.739	14.739	(1.173)	407423	200.000	193.9
	99 Naphthalene	128	14.818	14.818	(1.180)	1874335	200.000	201.8
	100 1,2,3-Trichlorobenzene	180	15.055	15.055	(1.199)	701495	200.000	194.0
	101 1,1,2-trichlorotrifluoroethane	101	3.265	3.265	(0.458)	385787	200.000	189.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
102 Methyl acetate	43	3.837	3.837	(0.538)	403192	200.000	188.4
104 Cyclohexane	56	6.441	6.441	(0.904)	1034816	200.000	188.6
105 Methyl Cyclohexane	83	7.724	7.724	(1.084)	858311	200.000	189.0
157 2-Chlorobenzotrifluoride	180	11.149	11.149	(1.089)	783646	200.000	188.4
158 3-Chlorobenzotrifluoride	180	10.249	10.249	(1.001)	790064	200.000	186.3
159 4-Chlorobenzotrifluoride	180	10.310	10.310	(1.007)	724459	200.000	186.0
160 3-Chlorotoluene	126	11.813	11.813	(0.940)	637509	200.000	194.5
161 2,4-Dichlorobenzotrifluoride	214	12.640	12.640	(1.006)	544181	200.000	197.9
162 2,5-Dichlorobenzotrifluoride	214	12.689	12.689	(1.010)	656147	200.000	205.4
163 3,4-Dichlorobenzotrifluoride	214	12.281	12.281	(0.978)	616659	200.000	199.6
164 Dichlorotoluene(2,4+2,5+2,6)	125	13.887	13.887	(1.106)	3494241	600.000	604.3
165 Dichlorotoluene(2,3+3,4)	125	14.301	14.301	(1.139)	2478034	400.000	403.8
166 1,3,5-Trichlorobenzene	180	13.948	13.948	(1.110)	870021	200.000	196.7
167 2,3,6-Trichlorotoluene	159	16.041	16.041	(1.277)	431645	200.000	192.8
168 2,4,5-Trichlorotoluene	159	15.901	15.901	(1.266)	535404	200.000	199.7

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp6.i Injection Date: 18-MAR-2008 17:27
Lab File ID: 60318002.D Init. Cal. Date(s): 18-MAR-2008 18-MAR-2008
Analysis Type: WATER Init. Cal. Times: 14:31 16:32
Lab Sample ID: ver10 Quant Type: ISTD
Method: \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 39 Dibromofluoromethane	0.24287	0.24558	0.24558	0.010	-1.11695	25.00000	Averaged	
$ 43 1,2-Dichloroethane-d4	0.34202	0.33246	0.33246	0.010	2.79423	25.00000	Averaged	
$ 59 Toluene-d8	3.95815	4.14029	4.14029	0.010	-4.60168	25.00000	Averaged	
$ 80 Bromofluorobenzene	1.07249	1.11036	1.11036	0.010	-3.53147	25.00000	Averaged	
2 Chloromethane	0.35488	0.42520	0.42520	0.100	-19.81535	25.00000	Averaged	
3 Vinyl Chloride	0.30692	0.34410	0.34410	0.010	-12.11495	20.00000	Averaged	
4 Bromomethane	50.00000	53.58347	0.09316	0.010	-7.16694	0.000e+000	Quadratic	
5 Chloroethane	0.16592	0.19451	0.19451	0.010	-17.23117	25.00000	Averaged	
6 Trichlorofluoromethane	0.26543	0.29856	0.29856	0.010	-12.48000	25.00000	Averaged	
1 Dichlorodifluoromethane	0.16545	0.21949	0.21949	0.010	-32.65859	25.00000	Averaged	<-
12 1,1-Dichloroethene	0.22463	0.18138	0.18138	0.010	19.25197	20.00000	Averaged	
13 Acetone	0.10517	0.08930	0.08930	0.010	15.08758	25.00000	Averaged	
15 Carbon Disulfide	0.71062	0.63191	0.63191	0.010	11.07622	25.00000	Averaged	
17 Acetonitrile	0.02094	0.01936	0.01936	0.010	7.52510	25.00000	Averaged	
18 Methylene Chloride	0.26796	0.23940	0.23940	0.010	10.66134	25.00000	Averaged	
19 trans-1,2-Dichloroethene	0.26919	0.23772	0.23772	0.010	11.68788	25.00000	Averaged	
20 Methyl tert-butyl ether	0.70058	0.60478	0.60478	0.010	13.67456	25.00000	Averaged	
24 1,1-Dichloroethane	0.51850	0.48973	0.48973	0.100	5.54957	25.00000	Averaged	
27 2,2-Dichloropropane	0.22176	0.19782	0.19782	0.010	10.79232	25.00000	Averaged	
28 cis-1,2-dichloroethene	0.28693	0.26399	0.26399	0.010	7.99669	25.00000	Averaged	
M 29 1,2-Dichloroethene (total)	0.27806	0.25086	0.25086	0.010	9.78340	25.00000	Averaged	
30 Bromochloromethane	0.13714	0.12561	0.12561	0.010	8.40298	25.00000	Averaged	
31 2-Butanone	0.14270	0.11918	0.11918	0.010	16.47685	25.00000	Averaged	
37 Chloroform	0.47509	0.45922	0.45922	0.010	3.34041	20.00000	Averaged	
38 1,1,1-Trichloroethane	0.37896	0.33473	0.33473	0.010	11.67278	25.00000	Averaged	
40 1,1-Dichloropropene	0.36648	0.33072	0.33072	0.010	9.75589	25.00000	Averaged	
41 Carbon Tetrachloride	0.29771	0.24995	0.24995	0.010	16.03958	25.00000	Averaged	
42 Benzene	1.04640	0.95552	0.95552	0.010	8.68499	25.00000	Averaged	
45 1,2-Dichloroethane	0.44433	0.42104	0.42104	0.010	5.24153	25.00000	Averaged	
47 Trichloroethene	0.28361	0.26426	0.26426	0.010	6.82201	25.00000	Averaged	
49 1,2-Dichloropropane	0.30688	0.28776	0.28776	0.010	6.23087	20.00000	Averaged	
50 Dibromomethane	0.15946	0.14863	0.14863	0.010	6.79136	25.00000	Averaged	
53 Bromodichloromethane	0.35761	0.33305	0.33305	0.010	6.86711	25.00000	Averaged	
57 cis-1,3-Dichloropropene	0.38932	0.35465	0.35465	0.010	8.90572	25.00000	Averaged	
58 4-Methyl-2-Pentanone	1.20501	1.18593	1.18593	0.010	1.58393	25.00000	Averaged	
60 Toluene	4.69203	4.59144	4.59144	0.010	2.14398	20.00000	Averaged	
61 trans-1,3-Dichloropropene	1.25452	1.17413	1.17413	0.010	6.40834	25.00000	Averaged	
63 1,3-Dichloropropane	1.74185	1.70855	1.70855	0.010	1.91131	25.00000	Averaged	
64 1,1,2-Trichloroethane	0.98677	0.94247	0.94247	0.010	4.48891	25.00000	Averaged	
65 Tetrachloroethene	0.89720	0.85218	0.85218	0.010	5.01687	25.00000	Averaged	
66 2-Hexanone	0.79539	0.76127	0.76127	0.010	4.28951	25.00000	Averaged	
67 Dibromochloromethane	1.02466	0.97295	0.97295	0.010	5.04628	25.00000	Averaged	
68 1,2-Dibromoethane	0.95858	0.92448	0.92448	0.010	3.55745	25.00000	Averaged	

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp6.i Injection Date: 18-MAR-2008 17:27
Lab File ID: 60318002.D Init. Cal. Date(s): 18-MAR-2008 18-MAR-2008
Analysis Type: WATER Init. Cal. Times: 14:31 16:32
Lab Sample ID: ver10 Quant Type: ISTD
Method: \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 Chlorobenzene	3.30064	3.33797	3.33797	0.300	-1.13091	25.00000	Averaged
71 1,1,1,2-Tetrachloroethane	1.05847	1.01958	1.01958	0.010	3.67448	25.00000	Averaged
72 Ethylbenzene	1.75620	1.75421	1.75421	0.010	0.11293	20.00000	Averaged
73 m + p-Xylene	2.22118	2.23581	2.23581	0.010	-0.65873	25.00000	Averaged
74 Xylene-o	2.19519	2.22176	2.22176	0.010	-1.21063	25.00000	Averaged
M 75 Xylenes (total)	2.21251	2.23113	2.23113	0.010	-0.84126	25.00000	Averaged
76 Styrene	3.69184	3.81099	3.81099	0.010	-3.22749	25.00000	Averaged
77 Bromoform	0.61936	0.56982	0.56982	0.100	7.99840	25.00000	Averaged
78 Isopropylbenzene	5.25543	5.79997	5.79997	0.010	-10.36135	25.00000	Averaged
79 Bromobenzene	0.83275	0.81240	0.81240	0.010	2.44405	25.00000	Averaged
81 n-Propylbenzene	0.97278	0.95644	0.95644	0.010	1.67944	25.00000	Averaged
82 2-Chlorotoluene	0.83920	0.83324	0.83324	0.010	0.71097	25.00000	Averaged
83 1,1,2,2-Tetrachloroethane	0.74679	0.72390	0.72390	0.300	3.06494	25.00000	Averaged
84 1,2,3-Trichloropropane	0.23268	0.24602	0.24602	0.010	-5.73183	25.00000	Averaged
85 4-Chlorotoluene	0.87815	0.88345	0.88345	0.010	-0.60327	25.00000	Averaged
86 1,3,5-Trimethylbenzene	2.97433	2.94915	2.94915	0.010	0.84631	25.00000	Averaged
87 tert-Butylbenzene	2.65950	2.66006	2.66006	0.010	-0.02088	25.00000	Averaged
88 1,2,4-Trimethylbenzene	3.01920	3.08577	3.08577	0.010	-2.20474	25.00000	Averaged
89 sec-Butylbenzene	3.83531	3.79305	3.79305	0.010	1.10187	25.00000	Averaged
90 4-Isopropyltoluene	3.25583	3.33793	3.33793	0.010	-2.52176	25.00000	Averaged
91 1,3-Dichlorobenzene	1.66487	1.63329	1.63329	0.010	1.89689	25.00000	Averaged
93 1,4-Dichlorobenzene	1.68541	1.73584	1.73584	0.010	-2.99242	25.00000	Averaged
94 n-Butylbenzene	3.07461	3.05762	3.05762	0.010	0.55273	25.00000	Averaged
95 1,2-Dichlorobenzene	1.57324	1.57808	1.57808	0.010	-0.30764	25.00000	Averaged
96 1,2-Dibromo-3-chloropropane	0.13426	0.11529	0.11529	0.010	14.12308	25.00000	Averaged
97 1,2,4-Trichlorobenzene	1.09234	1.09975	1.09975	0.010	-0.67895	25.00000	Averaged
98 Hexachlorobutadiene	0.55866	0.54993	0.54993	0.010	1.56379	25.00000	Averaged
99 Naphthalene	2.46984	2.43940	2.43940	0.010	1.23236	25.00000	Averaged
100 1,2,3-Trichlorobenzene	0.96174	0.97216	0.97216	0.010	-1.08355	25.00000	Averaged
101 1,1,2-trichlorotrifluoroeth	0.22297	0.19098	0.19098	0.010	14.34663	25.00000	Averaged
102 Methyl acetate	0.23472	0.20990	0.20990	0.010	10.57187	25.00000	Averaged
104 Cyclohexane	0.60166	0.50735	0.50735	0.010	15.67634	25.00000	Averaged
105 Methyl Cyclohexane	0.49807	0.43655	0.43655	0.010	12.35174	25.00000	Averaged
157 2-Chlorobenzotrifluoride	1.71681	1.76055	1.76055	0.010	-2.54794	25.00000	Averaged
158 3-Chlorobenzotrifluoride	1.75009	1.84436	1.84436	0.010	-5.38644	25.00000	Averaged
159 4-Chlorobenzotrifluoride	1.60757	1.60741	1.60741	0.010	0.00989	25.00000	Averaged
160 3-Chlorotoluene	0.87153	0.86842	0.86842	0.010	0.35719	25.00000	Averaged
161 2,4-Dichlorobenzotrifluorid	0.73134	0.74548	0.74548	0.010	-1.93274	25.00000	Averaged
162 2,5-Dichlorobenzotrifluorid	0.84954	0.84905	0.84905	0.010	0.05790	25.00000	Averaged
163 3,4-Dichlorobenzotrifluorid	0.82160	0.83240	0.83240	0.010	-1.31371	25.00000	Averaged
164 Dichlorotoluene(2,4+2,5+2,6	1.53766	1.56107	1.56107	0.010	-1.52239	25.00000	Averaged
165 Dichlorotoluene(2,3+3,4)	1.63207	1.66886	1.66886	0.010	-2.25445	25.00000	Averaged
166 1,3,5-Trichlorobenzene	1.17605	1.18185	1.18185	0.010	-0.49290	25.00000	Averaged

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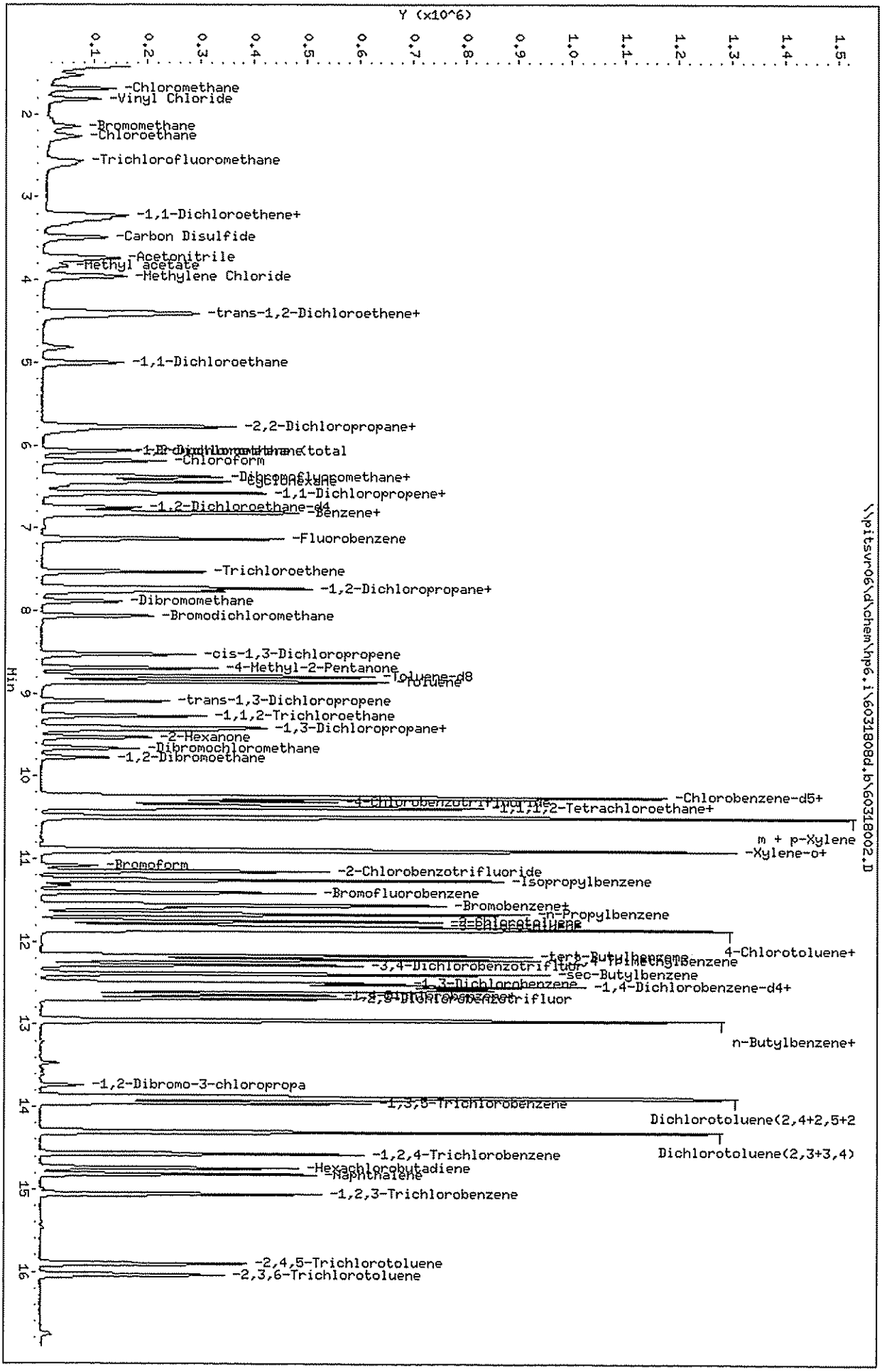
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp6.i Injection Date: 18-MAR-2008 17:27
Lab File ID: 60318002.D Init. Cal. Date(s): 18-MAR-2008 18-MAR-2008
Analysis Type: WATER Init. Cal. Times: 14:31 16:32
Lab Sample ID: ver10 Quant Type: ISTD
Method: \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
167 2,3,6-Trichlorotoluene	0.59530	0.67093	0.67093	0.010	-12.70488	25.00000	Averaged
168 2,4,5-Trichlorotoluene	0.71301	0.77121	0.77121	0.010	-8.16274	25.00000	Averaged



Data File: \\pitsvr06\d\chem\hp6.i\60318008d.b\60318002.D
Date : 18-MAR-2008 17:27
Client ID:
Sample Info: Verification10 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 001562
Column diameter: 0.20

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\6031808d.b\60318002.D
Lab Smp Id: ver10
Inj Date : 18-MAR-2008 17:27
Operator : 001562 Inst ID: hp6.i
Smp Info : Verification10 5ml
Misc Info : ver10,6031808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\6031808d.b\8260ee.m
Meth Date : 19-Mar-2008 05:14 hp6.i Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-110

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	
* 46 Fluorobenzene	96	7.133	7.133	(1.000)	432626	50.0000		
* 69 Chlorobenzene-d5	119	10.242	10.242	(1.000)	104143	50.0000		(Q)
* 92 1,4-Dichlorobenzene-d4	152	12.560	12.560	(1.000)	181466	50.0000		(Q)
$ 39 Dibromofluoromethane	113	6.379	6.379	(0.894)	106246	50.0000	50.56	
$ 43 1,2-Dichloroethane-d4	65	6.756	6.756	(0.947)	143831	50.0000	48.60	
$ 59 Toluene-d8	98	8.794	8.794	(0.859)	431182	50.0000	52.30	
$ 80 Bromofluorobenzene	95	11.410	11.410	(0.908)	201493	50.0000	51.76	
2 Chloromethane	50	1.688	1.688	(0.237)	183951	50.0000	59.91	
3 Vinyl Chloride	62	1.822	1.822	(0.256)	148868	50.0000	56.06	
4 Bromomethane	94	2.151	2.151	(0.302)	40303	50.0000	53.58	
5 Chloroethane	64	2.272	2.272	(0.319)	84152	50.0000	58.62	
6 Trichlorofluoromethane	101	2.571	2.571	(0.360)	129165	50.0000	56.24	
1 Dichlorodifluoromethane	85	1.530	1.530	(0.215)	94955	50.0000	66.33	
12 1,1-Dichloroethene	96	3.221	3.221	(0.452)	78471	50.0000	40.37	
13 Acetone	43	3.331	3.331	(0.467)	77266	100.000	84.91	
15 Carbon Disulfide	76	3.489	3.489	(0.489)	273379	50.0000	44.46	
17 Acetonitrile	40	3.732	3.732	(0.523)	167522	1000.00	924.7	
18 Methylene Chloride	84	3.958	3.958	(0.555)	103569	50.0000	44.67	
19 trans-1,2-Dichloroethene	96	4.402	4.402	(0.617)	102846	50.0000	44.16	
20 Methyl tert-butyl ether	73	4.426	4.426	(0.621)	261644	50.0000	43.16	
24 1,1-Dichloroethane	63	5.004	5.004	(0.702)	211869	50.0000	47.22	
27 2,2-Dichloropropane	77	5.770	5.770	(0.809)	85584	50.0000	44.60	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
28	cis-1,2-dichloroethene	96	5.777	5.777	(0.810)	114207	50.0000	46.00
M 29	1,2-Dichloroethene (total)	96				217053	100.000	
30	Bromochloromethane	128	6.069	6.069	(0.851)	54343	50.0000	45.80
31	2-Butanone	43	5.825	5.825	(0.817)	103125	100.000	83.52
37	Chloroform	83	6.190	6.190	(0.868)	198672	50.0000	48.33
38	1,1,1-Trichloroethane	97	6.379	6.379	(0.894)	144811	50.0000	44.16
40	1,1-Dichloropropene	75	6.580	6.580	(0.922)	143080	50.0000	45.12
41	Carbon Tetrachloride	117	6.573	6.573	(0.922)	108137	50.0000	41.98
42	Benzene	78	6.811	6.811	(0.955)	413381	50.0000	45.66
45	1,2-Dichloroethane	62	6.841	6.841	(0.959)	182153	50.0000	47.38
47	Trichloroethene	130	7.535	7.535	(1.056)	114325	50.0000	46.59
49	1,2-Dichloropropane	63	7.766	7.766	(1.089)	124491	50.0000	46.88
50	Dibromomethane	93	7.887	7.887	(1.106)	64303	50.0000	46.60
53	Bromodichloromethane	83	8.064	8.064	(1.130)	144086	50.0000	46.57
57	cis-1,3-Dichloropropene	75	8.526	8.526	(1.195)	153432	50.0000	45.55
58	4-Methyl-2-Pentanone	43	8.690	8.690	(0.849)	247012	100.000	98.42
60	Toluene	91	8.861	8.861	(0.865)	478166	50.0000	48.93
61	trans-1,3-Dichloropropene	75	9.092	9.092	(0.888)	122277	50.0000	46.80
63	1,3-Dichloropropane	76	9.439	9.439	(0.922)	177934	50.0000	49.04
64	1,1,2-Trichloroethane	97	9.274	9.274	(0.906)	98152	50.0000	47.76
65	Tetrachloroethene	164	9.414	9.414	(0.919)	88749	50.0000	47.49
66	2-Hexanone	43	9.530	9.530	(0.930)	158562	100.000	95.71
67	Dibromochloromethane	129	9.664	9.664	(0.944)	101326	50.0000	47.48
68	1,2-Dibromoethane	107	9.773	9.773	(0.954)	96278	50.0000	48.22
70	Chlorobenzene	112	10.266	10.266	(1.002)	347626	50.0000	50.56
71	1,1,1,2-Tetrachloroethane	131	10.351	10.351	(1.011)	106182	50.0000	48.16
72	Ethylbenzene	106	10.376	10.376	(1.013)	182689	50.0000	49.94
73	m + p-Xylene	106	10.497	10.497	(1.025)	465688	100.000	100.6
74	Xylene-o	106	10.887	10.887	(1.063)	231381	50.0000	50.60
M 75	Xylenes (total)	106				697069	150.000	
76	Styrene	104	10.899	10.899	(1.064)	396888	50.0000	51.61
77	Bromoform	173	11.087	11.087	(1.083)	59343	50.0000	46.00
78	Isopropylbenzene	105	11.258	11.258	(1.099)	604026	50.0000	55.18
79	Bromobenzene	156	11.562	11.562	(0.921)	147423	50.0000	48.78
81	n-Propylbenzene	120	11.665	11.665	(0.929)	173561	50.0000	49.16
82	2-Chlorotoluene	126	11.750	11.750	(0.936)	151204	50.0000	49.64
83	1,1,2,2-Tetrachloroethane	83	11.550	11.550	(0.920)	131364	50.0000	48.47
84	1,2,3-Trichloropropane	110	11.592	11.592	(0.923)	44644	50.0000	52.86
85	4-Chlorotoluene	126	11.860	11.860	(0.944)	160316	50.0000	50.30
86	1,3,5-Trimethylbenzene	105	11.842	11.842	(0.943)	535171	50.0000	49.58
87	tert-Butylbenzene	119	12.170	12.170	(0.969)	482710	50.0000	50.01
88	1,2,4-Trimethylbenzene	105	12.213	12.213	(0.972)	559962	50.0000	51.10
89	sec-Butylbenzene	105	12.389	12.389	(0.986)	688309	50.0000	49.45
90	4-Isopropyltoluene	119	12.529	12.529	(0.998)	605721	50.0000	51.26
91	1,3-Dichlorobenzene	146	12.493	12.493	(0.995)	296386	50.0000	49.05
93	1,4-Dichlorobenzene	146	12.584	12.584	(1.002)	314996	50.0000	51.50
94	n-Butylbenzene	91	12.943	12.943	(1.031)	554854	50.0000	49.72
95	1,2-Dichlorobenzene	146	12.961	12.961	(1.032)	286367	50.0000	50.15
96	1,2-Dibromo-3-chloropropane	157	13.740	13.740	(1.094)	20922	50.0000	42.94
97	1,2,4-Trichlorobenzene	180	14.567	14.567	(1.160)	199568	50.0000	50.34
98	Hexachlorobutadiene	225	14.744	14.744	(1.174)	99793	50.0000	49.22
99	Naphthalene	128	14.817	14.817	(1.180)	442669	50.0000	49.38
100	1,2,3-Trichlorobenzene	180	15.060	15.060	(1.199)	176414	50.0000	50.54
101	1,1,2-trichlorotrifluoroethane	101	3.270	3.270	(0.458)	82625	50.0000	42.83

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
102 Methyl acetate	43	3.830	3.830	(0.537)	90809	50.0000	44.71
104 Cyclohexane	56	6.440	6.440	(0.903)	219491	50.0000	42.16
105 Methyl Cyclohexane	83	7.729	7.729	(1.084)	188863	50.0000	43.82
157 2-Chlorobenzotrifluoride	180	11.148	11.148	(1.088)	183349	50.0000	51.27
158 3-Chlorobenzotrifluoride	180	10.248	10.248	(1.001)	192077	50.0000	52.69
159 4-Chlorobenzotrifluoride	180	10.309	10.309	(1.007)	167401	50.0000	50.00
160 3-Chlorotoluene	126	11.811	11.811	(0.940)	157588	50.0000	49.82
161 2,4-Dichlorobenzotrifluoride	214	12.639	12.639	(1.006)	135279	50.0000	50.97
162 2,5-Dichlorobenzotrifluoride	214	12.687	12.687	(1.010)	154073	50.0000	49.97
163 3,4-Dichlorobenzotrifluoride	214	12.280	12.280	(0.978)	151052	50.0000	50.66
164 Dichlorotoluene(2,4+2,5+2,6)	125	13.886	13.886	(1.106)	849844	150.000	152.3
165 Dichlorotoluene(2,3+3,4)	125	14.299	14.299	(1.139)	605683	100.000	102.2
166 1,3,5-Trichlorobenzene	180	13.947	13.947	(1.110)	214465	50.0000	50.25
167 2,3,6-Trichlorotoluene	159	16.039	16.039	(1.277)	121751	50.0000	56.35
168 2,4,5-Trichlorotoluene	159	15.905	15.905	(1.266)	139949	50.0000	54.08

QC Flag Legend

Q - Qualifier signal failed the ratio test.

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp6.i Injection Date: 28-MAR-2008 08:32
Lab File ID: 1C60328.D Init. Cal. Date(s): 08-FEB-2008 18-MAR-2008
Analysis Type: WATER Init. Cal. Times: 08:47 16:32
Lab Sample ID: vstd10 Quant Type: ISTD
Method: \\PITSVR06\D\chem\hp6.i\6032808d.b\8260ee.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 39 Dibromofluoromethane	0.24287	0.22998	0.22998	0.010	5.30894	25.00000	Averaged	
$ 43 1,2-Dichloroethane-d4	0.34202	0.30947	0.30947	0.010	9.51546	25.00000	Averaged	
$ 59 Toluene-d8	3.95815	3.86163	3.86163	0.010	2.43855	25.00000	Averaged	
$ 80 Bromofluorobenzene	1.07249	0.97298	0.97298	0.010	9.27867	25.00000	Averaged	
2 Chloromethane	0.35488	0.37366	0.37366	0.100	-5.29178	25.00000	Averaged	
3 Vinyl Chloride	0.30692	0.28977	0.28977	0.010	5.58819	20.00000	Averaged	
4 Bromomethane	50.00000	42.01630	0.07425	0.010	15.96740	0.000e+000	Quadratic	
5 Chloroethane	0.16592	0.12031	0.12031	0.010	27.48984	25.00000	Averaged	<-
6 Trichlorofluoromethane	0.26543	0.25774	0.25774	0.010	2.89832	25.00000	Averaged	
1 Dichlorodifluoromethane	0.16545	0.19880	0.19880	0.010	-20.15349	25.00000	Averaged	
12 1,1-Dichloroethene	0.22463	0.18207	0.18207	0.010	18.94411	20.00000	Averaged	
13 Acetone	0.10517	0.11017	0.11017	0.010	-4.75587	25.00000	Averaged	
15 Carbon Disulfide	0.71062	0.57933	0.57933	0.010	18.47516	25.00000	Averaged	
17 Acetonitrile	0.02094	0.02286	0.02286	0.010	-9.19216	25.00000	Averaged	
18 Methylene Chloride	0.26796	0.23294	0.23294	0.010	13.06917	25.00000	Averaged	
19 trans-1,2-Dichloroethene	0.26919	0.24701	0.24701	0.010	8.23929	25.00000	Averaged	
20 Methyl tert-butyl ether	0.70058	0.58683	0.58683	0.010	16.23678	25.00000	Averaged	
24 1,1-Dichloroethane	0.51850	0.45615	0.45615	0.100	12.02491	25.00000	Averaged	
27 2,2-Dichloropropane	0.22176	0.15899	0.15899	0.010	28.30419	25.00000	Averaged	<-
28 cis-1,2-dichloroethene	0.28693	0.25947	0.25947	0.010	9.57023	25.00000	Averaged	
M 29 1,2-Dichloroethene (total)	0.27806	0.25324	0.25324	0.010	8.92599	25.00000	Averaged	
30 Bromochloromethane	0.13714	0.12768	0.12768	0.010	6.89630	25.00000	Averaged	
31 2-Butanone	0.14270	0.14992	0.14992	0.010	-5.06505	25.00000	Averaged	
37 Chloroform	0.47509	0.42997	0.42997	0.010	9.49685	20.00000	Averaged	
38 1,1,1-Trichloroethane	0.37896	0.29821	0.29821	0.010	21.30724	25.00000	Averaged	
40 1,1-Dichloropropene	0.36648	0.31732	0.31732	0.010	13.41342	25.00000	Averaged	
41 Carbon Tetrachloride	0.29771	0.22113	0.22113	0.010	25.72326	25.00000	Averaged	<-
42 Benzene	1.04640	0.94551	0.94551	0.010	9.64110	25.00000	Averaged	
45 1,2-Dichloroethane	0.44433	0.39078	0.39078	0.010	12.05088	25.00000	Averaged	
47 Trichloroethene	0.28361	0.26185	0.26185	0.010	7.67216	25.00000	Averaged	
49 1,2-Dichloropropane	0.30688	0.28991	0.28991	0.010	5.53002	20.00000	Averaged	
50 Dibromomethane	0.15946	0.15487	0.15487	0.010	2.88370	25.00000	Averaged	
53 Bromodichloromethane	0.35761	0.31526	0.31526	0.010	11.84277	25.00000	Averaged	
57 cis-1,3-Dichloropropene	0.38932	0.32765	0.32765	0.010	15.84265	25.00000	Averaged	
58 4-Methyl-2-Pentanone	1.20501	1.19719	1.19719	0.010	0.64885	25.00000	Averaged	
60 Toluene	4.69203	4.59810	4.59810	0.010	2.00203	20.00000	Averaged	
61 trans-1,3-Dichloropropene	1.25452	1.10288	1.10288	0.010	12.08779	25.00000	Averaged	
63 1,3-Dichloropropane	1.74185	1.64686	1.64686	0.010	5.45314	25.00000	Averaged	
64 1,1,2-Trichloroethane	0.98677	0.96756	0.96756	0.010	1.94626	25.00000	Averaged	
65 Tetrachloroethene	0.89720	0.86050	0.86050	0.010	4.09013	25.00000	Averaged	
66 2-Hexanone	0.79539	0.86715	0.86715	0.010	-9.02188	25.00000	Averaged	
67 Dibromochloromethane	1.02466	0.88463	0.88463	0.010	13.66534	25.00000	Averaged	
68 1,2-Dibromoethane	0.95858	0.92399	0.92399	0.010	3.60804	25.00000	Averaged	

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp6.i Injection Date: 28-MAR-2008 08:32
Lab File ID: 1C60328.D Init. Cal. Date(s): 08-FEB-2008 18-MAR-2008
Analysis Type: WATER Init. Cal. Times: 08:47 16:32
Lab Sample ID: vstd10 Quant Type: ISTD
Method: \\PITSVR06\D\chem\hp6.i\6032808d.b\8260ee.m

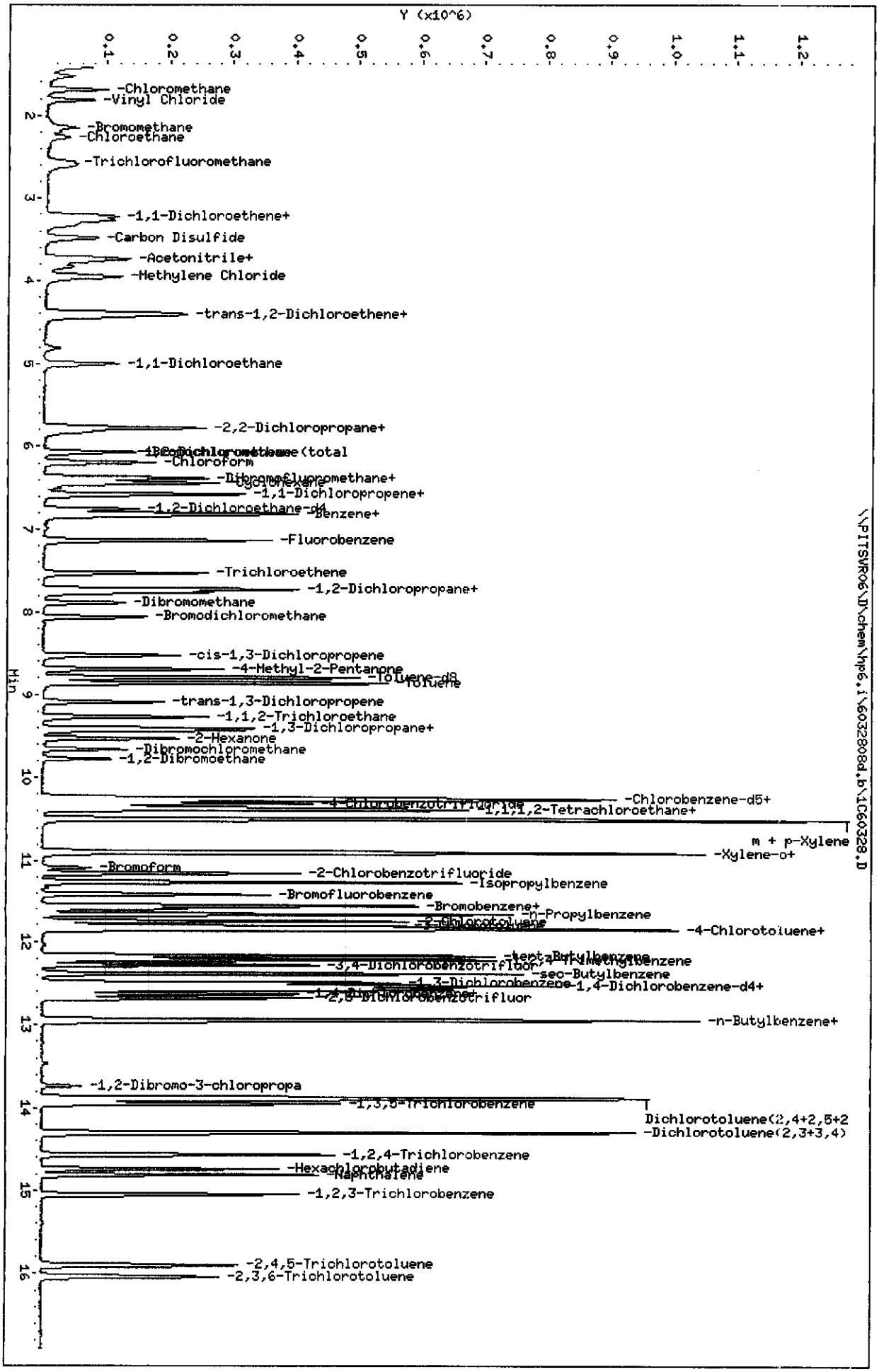
COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 Chlorobenzene	3.30064	3.22279	3.22279	0.300	2.35862	25.00000	Averaged
71 1,1,1,2-Tetrachloroethane	1.05847	0.84756	0.84756	0.010	19.92598	25.00000	Averaged
72 Ethylbenzene	1.75620	1.72299	1.72299	0.010	1.89093	20.00000	Averaged
73 m + p-Xylene	2.22118	2.16621	2.16621	0.010	2.47463	25.00000	Averaged
74 Xylene-o	2.19519	2.10385	2.10385	0.010	4.16080	25.00000	Averaged
M 75 Xylenes (total)	2.21251	2.14543	2.14543	0.010	3.03228	25.00000	Averaged
76 Styrene	3.69184	3.58424	3.58424	0.010	2.91442	25.00000	Averaged
77 Bromoform	0.61936	0.48774	0.48774	0.100	21.25104	25.00000	Averaged
78 Isopropylbenzene	5.25543	5.28692	5.28692	0.010	-0.59913	25.00000	Averaged
79 Bromobenzene	0.83275	0.81033	0.81033	0.010	2.69295	25.00000	Averaged
81 n-Propylbenzene	0.97278	0.95538	0.95538	0.010	1.78804	25.00000	Averaged
82 2-Chlorotoluene	0.83920	0.79777	0.79777	0.010	4.93688	25.00000	Averaged
83 1,1,2,2-Tetrachloroethane	0.74679	0.74607	0.74607	0.300	0.09700	25.00000	Averaged
84 1,2,3-Trichloropropane	0.23268	0.26025	0.26025	0.010	-11.84910	25.00000	Averaged
85 4-Chlorotoluene	0.87815	0.91175	0.91175	0.010	-3.82570	25.00000	Averaged
86 1,3,5-Trimethylbenzene	2.97433	2.91049	2.91049	0.010	2.14618	25.00000	Averaged
87 tert-Butylbenzene	2.65950	2.52171	2.52171	0.010	5.18097	25.00000	Averaged
88 1,2,4-Trimethylbenzene	3.01920	2.89937	2.89937	0.010	3.96897	25.00000	Averaged
89 sec-Butylbenzene	3.83531	3.74022	3.74022	0.010	2.47925	25.00000	Averaged
90 4-Isopropyltoluene	3.25583	3.24528	3.24528	0.010	0.32381	25.00000	Averaged
91 1,3-Dichlorobenzene	1.66487	1.65159	1.65159	0.010	0.79723	25.00000	Averaged
93 1,4-Dichlorobenzene	1.68541	1.73016	1.73016	0.010	-2.65559	25.00000	Averaged
94 n-Butylbenzene	3.07461	2.91445	2.91445	0.010	5.20938	25.00000	Averaged
95 1,2-Dichlorobenzene	1.57324	1.57602	1.57602	0.010	-0.17721	25.00000	Averaged
96 1,2-Dibromo-3-chloropropane	0.13426	0.11082	0.11082	0.010	17.45733	25.00000	Averaged
97 1,2,4-Trichlorobenzene	1.09234	1.04286	1.04286	0.010	4.52981	25.00000	Averaged
98 Hexachlorobutadiene	0.55866	0.53460	0.53460	0.010	4.30691	25.00000	Averaged
99 Naphthalene	2.46984	2.54316	2.54316	0.010	-2.96864	25.00000	Averaged
100 1,2,3-Trichlorobenzene	0.96174	0.95173	0.95173	0.010	1.04045	25.00000	Averaged
101 1,1,2-trichlorotrifluoroeth	0.22297	0.18276	0.18276	0.010	18.03663	25.00000	Averaged
102 Methyl acetate	0.23472	0.21725	0.21725	0.010	7.44075	25.00000	Averaged
104 Cyclohexane	0.60166	0.47128	0.47128	0.010	21.67062	25.00000	Averaged
105 Methyl Cyclohexane	0.49807	0.43032	0.43032	0.010	13.60313	25.00000	Averaged
157 2-Chlorobenzotrifluoride	1.71681	1.58893	1.58893	0.010	7.44839	25.00000	Averaged
158 3-Chlorobenzotrifluoride	1.75009	1.67349	1.67349	0.010	4.37691	25.00000	Averaged
159 4-Chlorobenzotrifluoride	1.60757	1.47885	1.47885	0.010	8.00736	25.00000	Averaged
160 3-Chlorotoluene	0.87153	0.82514	0.82514	0.010	5.32320	25.00000	Averaged
161 2,4-Dichlorobenzotrifluorid	0.73134	0.70772	0.70772	0.010	3.23044	25.00000	Averaged
162 2,5-Dichlorobenzotrifluorid	0.84954	0.84636	0.84636	0.010	0.37428	25.00000	Averaged
163 3,4-Dichlorobenzotrifluorid	0.82160	0.78064	0.78064	0.010	4.98548	25.00000	Averaged
164 Dichlorotoluene(2,4+2,5+2,6	1.53766	1.41616	1.41616	0.010	7.90141	25.00000	Averaged
165 Dichlorotoluene(2,3+3,4)	1.63207	1.50641	1.50641	0.010	7.69940	25.00000	Averaged
166 1,3,5-Trichlorobenzene	1.17605	1.08266	1.08266	0.010	7.94123	25.00000	Averaged

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp6.i Injection Date: 28-MAR-2008 08:32
Lab File ID: 1C60328.D Init. Cal. Date(s): 08-FEB-2008 18-MAR-2008
Analysis Type: WATER Init. Cal. Times: 08:47 16:32
Lab Sample ID: vstd10 Quant Type: ISTD
Method: \\PITSVR06\D\chem\hp6.i\6032808d.b\8260ee.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
167 2,3,6-Trichlorotoluene	0.59530	0.65758	0.65758	0.010	-10.46280	25.00000	Averaged
168 2,4,5-Trichlorotoluene	0.71301	0.76759	0.76759	0.010	-7.65458	25.00000	Averaged



Data File: \\PITSVR06\D\chem\hp6.i\60328d.b\1C60328.D
Date : 28-MAR-2008 08:32
Client ID: vstd10
Sample Info: VSTD10 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 034635
Column diameter: 0.20

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\PITSVR06\D\chem\hp6.i\6032808d.b\1C60328.D
Lab Smp Id: vstd10 Client Smp ID: vstd10
Inj Date : 28-MAR-2008 08:32
Operator : 034635 Inst ID: hp6.i
Smp Info : VSTD10 5ml
Misc Info : vstd10,6032808.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 08:52 hp6.i Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46	Fluorobenzene	96	7.135	7.135	(1.000)	367745	50.0000	
* 69	Chlorobenzene-d5	119	10.238	10.238	(1.000)	91440	50.0000	
* 92	1,4-Dichlorobenzene-d4	152	12.562	12.562	(1.000)	150454	50.0000	
$ 39	Dibromofluoromethane	113	6.381	6.381	(0.894)	84573	50.0000	47.34
$ 43	1,2-Dichloroethane-d4	65	6.752	6.752	(0.946)	113807	50.0000	45.24
$ 59	Toluene-d8	98	8.796	8.796	(0.859)	353107	50.0000	48.78
$ 80	Bromofluorobenzene	95	11.406	11.406	(0.908)	146388	50.0000	45.36
2	Chloromethane	50	1.690	1.690	(0.237)	137410	50.0000	52.64
3	Vinyl Chloride	62	1.818	1.818	(0.255)	106561	50.0000	47.20
4	Bromomethane	94	2.147	2.147	(0.301)	27306	50.0000	42.02
5	Chloroethane	64	2.262	2.262	(0.317)	44244	50.0000	36.26
6	Trichlorofluoromethane	101	2.560	2.560	(0.359)	94783	50.0000	48.55
1	Dichlorodifluoromethane	85	1.532	1.532	(0.215)	73106	50.0000	60.08
12	1,1-Dichloroethene	96	3.223	3.223	(0.452)	66957	50.0000	40.53
13	Acetone	43	3.339	3.339	(0.468)	81027	100.000	104.8
15	Carbon Disulfide	76	3.491	3.491	(0.489)	213045	50.0000	40.76
17	Acetonitrile	40	3.741	3.741	(0.524)	168141	1000.00	1092
18	Methylene Chloride	84	3.953	3.953	(0.554)	85664	50.0000	43.46
19	trans-1,2-Dichloroethene	96	4.391	4.391	(0.616)	90836	50.0000	45.88
20	Methyl tert-butyl ether	73	4.428	4.428	(0.621)	215804	50.0000	41.88
24	1,1-Dichloroethane	63	5.000	5.000	(0.701)	167748	50.0000	43.99
27	2,2-Dichloropropane	77	5.772	5.772	(0.809)	58468	50.0000	35.85

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
28	cis-1,2-dichloroethene	96	5.785	5.785	(0.811)	95419	50.0000	45.21
M 29	1,2-Dichloroethene (total)	96				186255	100.000	
30	Bromochloromethane	128	6.064	6.064	(0.850)	46953	50.0000	46.55
31	2-Butanone	43	5.827	5.827	(0.817)	110268	100.000	105.1
37	Chloroform	83	6.192	6.192	(0.868)	158121	50.0000	45.25
38	1,1,1-Trichloroethane	97	6.381	6.381	(0.894)	109667	50.0000	39.35
40	1,1-Dichloropropene	75	6.582	6.582	(0.922)	116693	50.0000	43.29
41	Carbon Tetrachloride	117	6.569	6.569	(0.921)	81318	50.0000	37.14
42	Benzene	78	6.813	6.813	(0.955)	347707	50.0000	45.18
45	1,2-Dichloroethane	62	6.837	6.837	(0.958)	143709	50.0000	43.97
47	Trichloroethene	130	7.531	7.531	(1.055)	96293	50.0000	46.16
49	1,2-Dichloropropane	63	7.768	7.768	(1.089)	106612	50.0000	47.23(Q)
50	Dibromomethane	93	7.889	7.889	(1.106)	56951	50.0000	48.56
53	Bromodichloromethane	83	8.060	8.060	(1.130)	115934	50.0000	44.08
57	cis-1,3-Dichloropropene	75	8.528	8.528	(1.195)	120490	50.0000	42.08
58	4-Methyl-2-Pentanone	43	8.692	8.692	(0.849)	218943	100.000	99.35
60	Toluene	91	8.863	8.863	(0.866)	420450	50.0000	49.00
61	trans-1,3-Dichloropropene	75	9.094	9.094	(0.888)	100847	50.0000	43.96
63	1,3-Dichloropropane	76	9.441	9.441	(0.922)	150589	50.0000	47.27
64	1,1,2-Trichloroethane	97	9.276	9.276	(0.906)	88474	50.0000	49.03
65	Tetrachloroethene	164	9.410	9.410	(0.919)	78684	50.0000	47.95
66	2-Hexanone	43	9.526	9.526	(0.930)	158584	100.000	109.0
67	Dibromochloromethane	129	9.660	9.660	(0.944)	80891	50.0000	42.17
68	1,2-Dibromoethane	107	9.769	9.769	(0.954)	84490	50.0000	48.20
70	Chlorobenzene	112	10.262	10.262	(1.002)	294692	50.0000	48.82
71	1,1,1,2-Tetrachloroethane	131	10.347	10.347	(1.011)	77501	50.0000	40.04
72	Ethylbenzene	106	10.378	10.378	(1.014)	157550	50.0000	49.05
73	m + p-Xylene	106	10.493	10.493	(1.025)	396157	100.000	97.52
74	Xylene-o	106	10.889	10.889	(1.064)	192376	50.0000	47.92
M 75	Xylenes (total)	106				588533	150.000	
76	Styrene	104	10.901	10.901	(1.065)	327743	50.0000	48.54
77	Bromoform	173	11.089	11.089	(1.083)	44599	50.0000	39.37
78	Isopropylbenzene	105	11.260	11.260	(1.100)	483436	50.0000	50.30
79	Bromobenzene	156	11.558	11.558	(0.920)	121917	50.0000	48.65
81	n-Propylbenzene	120	11.667	11.667	(0.929)	143741	50.0000	49.10
82	2-Chlorotoluene	126	11.752	11.752	(0.936)	120028	50.0000	47.53
83	1,1,2,2-Tetrachloroethane	83	11.546	11.546	(0.919)	112249	50.0000	49.95
84	1,2,3-Trichloropropane	110	11.600	11.600	(0.923)	39156	50.0000	55.92
85	4-Chlorotoluene	126	11.856	11.856	(0.944)	137176	50.0000	51.91
86	1,3,5-Trimethylbenzene	105	11.844	11.844	(0.943)	437895	50.0000	48.93
87	tert-Butylbenzene	119	12.166	12.166	(0.969)	379402	50.0000	47.41
88	1,2,4-Trimethylbenzene	105	12.215	12.215	(0.972)	436222	50.0000	48.02
89	sec-Butylbenzene	105	12.385	12.385	(0.986)	562731	50.0000	48.76
90	4-Isopropyltoluene	119	12.531	12.531	(0.998)	488266	50.0000	49.84
91	1,3-Dichlorobenzene	146	12.495	12.495	(0.995)	248489	50.0000	49.60
93	1,4-Dichlorobenzene	146	12.586	12.586	(1.002)	260310	50.0000	51.33
94	n-Butylbenzene	91	12.945	12.945	(1.031)	438490	50.0000	47.40
95	1,2-Dichlorobenzene	146	12.957	12.957	(1.031)	237119	50.0000	50.09
96	1,2-Dibromo-3-chloropropane	157	13.736	13.736	(1.093)	16673	50.0000	41.27
97	1,2,4-Trichlorobenzene	180	14.569	14.569	(1.160)	156902	50.0000	47.74
98	Hexachlorobutadiene	225	14.746	14.746	(1.174)	80433	50.0000	47.85
99	Naphthalene	128	14.819	14.819	(1.180)	382629	50.0000	51.48
100	1,2,3-Trichlorobenzene	180	15.056	15.056	(1.199)	143192	50.0000	49.48
101	1,1,2-trichlorotrifluoroethane	101	3.266	3.266	(0.458)	67208	50.0000	40.98

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
102 Methyl acetate	43	3.838	3.838	(0.538)	79893	50.0000	45.28
104 Cyclohexane	56	6.442	6.442	(0.903)	173311	50.0000	39.16
105 Methyl Cyclohexane	83	7.725	7.725	(1.083)	158247	50.0000	43.20
157 2-Chlorobenzotrifluoride	180	11.150	11.150	(1.089)	145292	50.0000	46.28
158 3-Chlorobenzotrifluoride	180	10.250	10.250	(1.001)	153024	50.0000	47.81
159 4-Chlorobenzotrifluoride	180	10.305	10.305	(1.007)	135226	50.0000	46.00
160 3-Chlorotoluene	126	11.813	11.813	(0.940)	124145	50.0000	47.34
161 2,4-Dichlorobenzotrifluoride	214	12.641	12.641	(1.006)	106479	50.0000	48.38
162 2,5-Dichlorobenzotrifluoride	214	12.689	12.689	(1.010)	127338	50.0000	49.81
163 3,4-Dichlorobenzotrifluoride	214	12.282	12.282	(0.978)	117451	50.0000	47.51
164 Dichlorotoluene(2,4+2,5+2,6)	125	13.888	13.888	(1.106)	639203	150.000	138.1
165 Dichlorotoluene(2,3+3,4)	125	14.301	14.301	(1.139)	453290	100.000	92.30
166 1,3,5-Trichlorobenzene	180	13.949	13.949	(1.110)	162890	50.0000	46.03
167 2,3,6-Trichlorotoluene	159	16.047	16.047	(1.277)	98936	50.0000	55.23
168 2,4,5-Trichlorotoluene	159	15.901	15.901	(1.266)	115487	50.0000	53.83

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp6.i Injection Date: 29-MAR-2008 12:37
Lab File ID: AC60329.D Init. Cal. Date(s): 08-FEB-2008 18-MAR-2008
Analysis Type: WATER Init. Cal. Times: 08:47 16:32
Lab Sample ID: vstd10 Quant Type: ISTD
Method: \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 39 Dibromofluoromethane	0.24287	0.22856	0.22856	0.010	5.89130	25.00000	Averaged
$ 43 1,2-Dichloroethane-d4	0.34202	0.31736	0.31736	0.010	7.21013	25.00000	Averaged
$ 59 Toluene-d8	3.95815	3.81320	3.81320	0.010	3.66186	25.00000	Averaged
$ 80 Bromofluorobenzene	1.07249	0.93100	0.93100	0.010	13.19288	25.00000	Averaged
2 Chloromethane	0.35488	0.37372	0.37372	0.100	-5.30969	25.00000	Averaged
3 Vinyl Chloride	0.30692	0.29835	0.29835	0.010	2.79133	20.00000	Averaged
4 Bromomethane	50.00000	49.49342	0.08648	0.010	1.01317	0.000e+000	Quadratic
5 Chloroethane	0.16592	0.13915	0.13915	0.010	16.13663	25.00000	Averaged
6 Trichlorofluoromethane	0.26543	0.24697	0.24697	0.010	6.95752	25.00000	Averaged
1 Dichlorodifluoromethane	0.16545	0.17192	0.17192	0.010	-3.91095	25.00000	Averaged
12 1,1-Dichloroethene	0.22463	0.24001	0.24001	0.010	-6.84910	20.00000	Averaged
13 Acetone	0.10517	0.09163	0.09163	0.010	12.86806	25.00000	Averaged
15 Carbon Disulfide	0.71062	0.74170	0.74170	0.010	-4.37430	25.00000	Averaged
18 Methylene Chloride	0.26796	0.27219	0.27219	0.010	-1.57700	25.00000	Averaged
19 trans-1,2-Dichloroethene	0.26919	0.28723	0.28723	0.010	-6.70441	25.00000	Averaged
20 Methyl tert-butyl ether	0.70058	0.64200	0.64200	0.010	8.36161	25.00000	Averaged
24 1,1-Dichloroethane	0.51850	0.51306	0.51306	0.100	1.04917	25.00000	Averaged
27 2,2-Dichloropropane	0.22176	0.18745	0.18745	0.010	15.47196	25.00000	Averaged
28 cis-1,2-dichloroethene	0.28693	0.29423	0.29423	0.010	-2.54228	25.00000	Averaged
M 29 1,2-Dichloroethene (total)	0.27806	0.29073	0.29073	0.010	-4.55695	25.00000	Averaged
30 Bromochloromethane	0.13714	0.14368	0.14368	0.010	-4.77316	25.00000	Averaged
31 2-Butanone	0.14270	0.12676	0.12676	0.010	11.16515	25.00000	Averaged
37 Chloroform	0.47509	0.44716	0.44716	0.010	5.87933	20.00000	Averaged
38 1,1,1-Trichloroethane	0.37896	0.34770	0.34770	0.010	8.25039	25.00000	Averaged
40 1,1-Dichloropropene	0.36648	0.34478	0.34478	0.010	5.91930	25.00000	Averaged
41 Carbon Tetrachloride	0.29771	0.24947	0.24947	0.010	16.20144	25.00000	Averaged
42 Benzene	1.04640	1.04980	1.04980	0.010	-0.32534	25.00000	Averaged
45 1,2-Dichloroethane	0.44433	0.41333	0.41333	0.010	6.97605	25.00000	Averaged
47 Trichloroethene	0.28361	0.29126	0.29126	0.010	-2.69936	25.00000	Averaged
49 1,2-Dichloropropane	0.30688	0.29327	0.29327	0.010	4.43573	20.00000	Averaged
50 Dibromomethane	0.15946	0.15957	0.15957	0.010	-0.06342	25.00000	Averaged
53 Bromodichloromethane	0.35761	0.31528	0.31528	0.010	11.83655	25.00000	Averaged
57 cis-1,3-Dichloropropene	0.38932	0.34805	0.34805	0.010	10.60201	25.00000	Averaged
58 4-Methyl-2-Pentanone	1.20501	1.09744	1.09744	0.010	8.92753	25.00000	Averaged
60 Toluene	4.69203	4.55725	4.55725	0.010	2.87260	20.00000	Averaged
61 trans-1,3-Dichloropropene	1.25452	1.02007	1.02007	0.010	18.68820	25.00000	Averaged
63 1,3-Dichloropropane	1.74185	1.54556	1.54556	0.010	11.26898	25.00000	Averaged
64 1,1,2-Trichloroethane	0.98677	0.96067	0.96067	0.010	2.64491	25.00000	Averaged
65 Tetrachloroethene	0.89720	0.84932	0.84932	0.010	5.33641	25.00000	Averaged
66 2-Hexanone	0.79539	0.69849	0.69849	0.010	12.18235	25.00000	Averaged
67 Dibromochloromethane	1.02466	0.88357	0.88357	0.010	13.76964	25.00000	Averaged
68 1,2-Dibromoethane	0.95858	0.86600	0.86600	0.010	9.65817	25.00000	Averaged

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp6.i Injection Date: 29-MAR-2008 12:37
Lab File ID: AC60329.D Init. Cal. Date(s): 08-FEB-2008 18-MAR-2008
Analysis Type: WATER Init. Cal. Times: 08:47 16:32
Lab Sample ID: vstd10 Quant Type: ISTD
Method: \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m

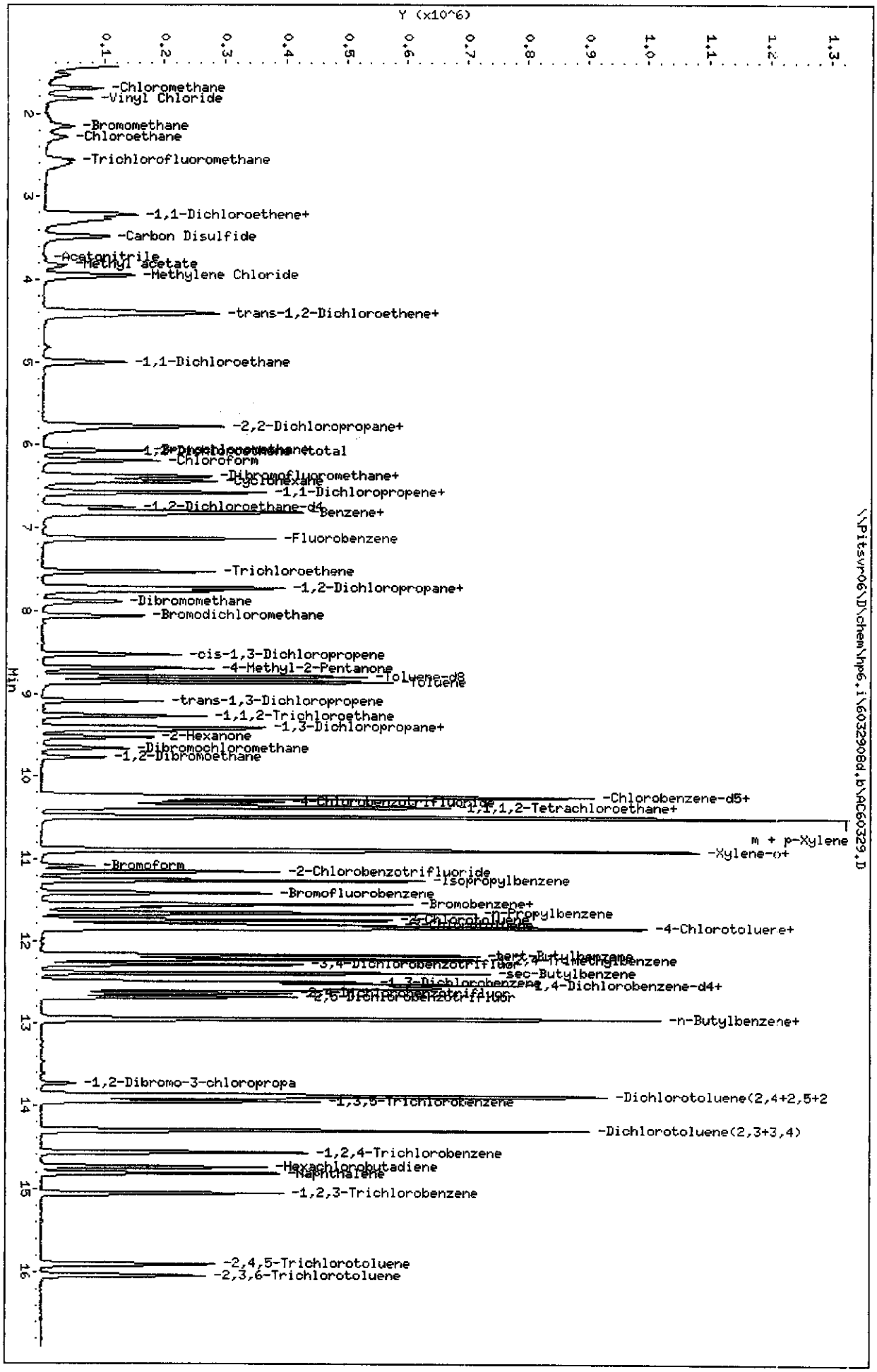
COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
70 Chlorobenzene	3.30064	3.08207	3.08207	0.300	6.62197	25.00000	Averaged	
71 1,1,1,2-Tetrachloroethane	1.05847	0.86080	0.86080	0.010	18.67479	25.00000	Averaged	
72 Ethylbenzene	1.75620	1.64822	1.64822	0.010	6.14811	20.00000	Averaged	
73 m + p-Xylene	2.22118	2.03689	2.03689	0.010	8.29704	25.00000	Averaged	
74 Xylene-o	2.19519	2.02855	2.02855	0.010	7.59120	25.00000	Averaged	
M 75 Xylenes (total)	2.21251	2.03411	2.03411	0.010	8.06361	25.00000	Averaged	
76 Styrene	3.69184	3.45124	3.45124	0.010	6.51689	25.00000	Averaged	
77 Bromoform	0.61936	0.46021	0.46021	0.100	25.69669	25.00000	Averaged	<-
78 Isopropylbenzene	5.25543	4.64879	4.64879	0.010	11.54310	25.00000	Averaged	
79 Bromobenzene	0.83275	0.74753	0.74753	0.010	10.23364	25.00000	Averaged	
81 n-Propylbenzene	0.97278	0.92206	0.92206	0.010	5.21348	25.00000	Averaged	
82 2-Chlorotoluene	0.83920	0.76564	0.76564	0.010	8.76604	25.00000	Averaged	
83 1,1,2,2-Tetrachloroethane	0.74679	0.69133	0.69133	0.300	7.42670	25.00000	Averaged	
84 1,2,3-Trichloropropane	0.23268	0.21279	0.21279	0.010	8.54900	25.00000	Averaged	
85 4-Chlorotoluene	0.87815	0.85022	0.85022	0.010	3.18043	25.00000	Averaged	
86 1,3,5-Trimethylbenzene	2.97433	2.67773	2.67773	0.010	9.97195	25.00000	Averaged	
87 tert-Butylbenzene	2.65950	2.31077	2.31077	0.010	13.11272	25.00000	Averaged	
88 1,2,4-Trimethylbenzene	3.01920	2.68607	2.68607	0.010	11.03374	25.00000	Averaged	
89 sec-Butylbenzene	3.83531	3.37092	3.37092	0.010	12.10826	25.00000	Averaged	
90 4-Isopropyltoluene	3.25583	2.87685	2.87685	0.010	11.64011	25.00000	Averaged	
91 1,3-Dichlorobenzene	1.66487	1.50500	1.50500	0.010	9.60256	25.00000	Averaged	
93 1,4-Dichlorobenzene	1.68541	1.54357	1.54357	0.010	8.41569	25.00000	Averaged	
94 n-Butylbenzene	3.07461	2.72058	2.72058	0.010	11.51464	25.00000	Averaged	
95 1,2-Dichlorobenzene	1.57324	1.44344	1.44344	0.010	8.24992	25.00000	Averaged	
96 1,2-Dibromo-3-chloropropane	0.13426	0.10763	0.10763	0.010	19.83216	25.00000	Averaged	
97 1,2,4-Trichlorobenzene	1.09234	0.97470	0.97470	0.010	10.76979	25.00000	Averaged	
98 Hexachlorobutadiene	0.55866	0.48674	0.48674	0.010	12.87339	25.00000	Averaged	
99 Naphthalene	2.46984	2.23218	2.23218	0.010	9.62246	25.00000	Averaged	
100 1,2,3-Trichlorobenzene	0.96174	0.88192	0.88192	0.010	8.29949	25.00000	Averaged	
101 1,1,2-trichlorotrifluoroeth	0.22297	0.20532	0.20532	0.010	7.91676	25.00000	Averaged	
102 Methyl acetate	0.23472	0.22650	0.22650	0.010	3.50126	25.00000	Averaged	
104 Cyclohexane	0.60166	0.49239	0.49239	0.010	18.16226	25.00000	Averaged	
105 Methyl Cyclohexane	0.49807	0.42302	0.42302	0.010	15.06795	25.00000	Averaged	
157 2-Chlorobenzotrifluoride	1.71681	1.43753	1.43753	0.010	16.26747	25.00000	Averaged	
158 3-Chlorobenzotrifluoride	1.75009	1.47903	1.47903	0.010	15.48861	25.00000	Averaged	
159 4-Chlorobenzotrifluoride	1.60757	1.36675	1.36675	0.010	14.98075	25.00000	Averaged	
160 3-Chlorotoluene	0.87153	0.76233	0.76233	0.010	12.52954	25.00000	Averaged	
161 2,4-Dichlorobenzotrifluorid	0.73134	0.67319	0.67319	0.010	7.95183	25.00000	Averaged	
162 2,5-Dichlorobenzotrifluorid	0.84954	0.75736	0.75736	0.010	10.85027	25.00000	Averaged	
163 3,4-Dichlorobenzotrifluorid	0.82160	0.71798	0.71798	0.010	12.61272	25.00000	Averaged	
164 Dichlorotoluene(2,4+2,5+2,6	1.53766	1.25083	1.25083	0.010	18.65391	25.00000	Averaged	
165 Dichlorotoluene(2,3+3,4)	1.63207	1.33860	1.33860	0.010	17.98118	25.00000	Averaged	
166 1,3,5-Trichlorobenzene	1.17605	1.01152	1.01152	0.010	13.98986	25.00000	Averaged	

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp6.i Injection Date: 29-MAR-2008 12:37
Lab File ID: AC60329.D Init. Cal. Date(s): 08-FEB-2008 18-MAR-2008
Analysis Type: WATER Init. Cal. Times: 08:47 16:32
Lab Sample ID: vstd10 Quant Type: ISTD
Method: \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
167 2,3,6-Trichlorotoluene	0.59530	0.56903	0.56903	0.010	4.41226	25.00000	Averaged
168 2,4,5-Trichlorotoluene	0.71301	0.65864	0.65864	0.010	7.62535	25.00000	Averaged



Data File: \\Pitsvr06\D\chem\hp6.i\60329080.b\AC60329.D
Date : 29-MAR-2008 12:37
Client ID: vstd10
Sample Info: VSTD10 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 403419
Column diameter: 0.20

\\Pitsvr06\D\chem\hp6.i\60329080.b\AC60329.D

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032908d.b\AC60329.D
Lab Smp Id: vstd10 Client Smp ID: vstd10
Inj Date : 29-MAR-2008 12:37
Operator : 403419 Inst ID: hp6.i
Smp Info : VSTD10 5ml
Misc Info : vstd10,6032908d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m
Meth Date : 29-Mar-2008 12:56 hp6.i Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene	96	7.129	7.129	(1.000)	376229	50.0000	
* 69 Chlorobenzene-d5	119	10.238	10.238	(1.000)	98193	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.562	12.562	(1.000)	162381	50.0000	
$ 39 Dibromofluoromethane	113	6.375	6.375	(0.894)	85992	50.0000	47.05
$ 43 1,2-Dichloroethane-d4	65	6.752	6.752	(0.947)	119399	50.0000	45.39
$ 59 Toluene-d8	98	8.790	8.790	(0.859)	374430	50.0000	43.17
$ 80 Bromofluorobenzene	95	11.406	11.406	(0.908)	151176	50.0000	43.40
2 Chloromethane	50	1.690	1.690	(0.237)	140604	50.0000	52.65
3 Vinyl Chloride	62	1.818	1.818	(0.255)	112249	50.0000	48.60
4 Bromomethane	94	2.153	2.153	(0.302)	32538	50.0000	49.49
5 Chloroethane	64	2.287	2.287	(0.321)	52352	50.0000	41.93
6 Trichlorofluoromethane	101	2.560	2.560	(0.359)	92916	50.0000	46.52
1 Dichlorodifluoromethane	85	1.526	1.526	(0.214)	64682	50.0000	51.96
12 1,1-Dichloroethene	96	3.217	3.217	(0.451)	90300	50.0000	53.42
13 Acetone	43	3.327	3.327	(0.467)	68950	100.000	87.13
15 Carbon Disulfide	76	3.491	3.491	(0.490)	279049	50.0000	52.19
18 Methylene Chloride	84	3.941	3.941	(0.553)	102406	50.0000	50.79
19 trans-1,2-Dichloroethene	96	4.385	4.385	(0.615)	108066	50.0000	53.35
20 Methyl tert-butyl ether	73	4.422	4.422	(0.620)	241540	50.0000	45.82
24 1,1-Dichloroethane	63	5.000	5.000	(0.701)	193029	50.0000	49.48
27 2,2-Dichloropropane	77	5.766	5.766	(0.809)	70523	50.0000	42.26
28 cis-1,2-dichloroethene	96	5.779	5.779	(0.811)	110696	50.0000	51.27
M 29 1,2-Dichloroethene (total)	96				218762	100.000	104.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	30 Bromochloromethane	128	6.064	6.064	(0.851)	54057	50.0000	52.39
	31 2-Butanone	43	5.827	5.827	(0.817)	95385	100.000	88.83
	37 Chloroform	83	6.192	6.192	(0.869)	168235	50.0000	47.06
	38 1,1,1-Trichloroethane	97	6.381	6.381	(0.895)	130813	50.0000	45.87
	40 1,1-Dichloropropene	75	6.569	6.569	(0.921)	129718	50.0000	47.04
	41 Carbon Tetrachloride	117	6.563	6.563	(0.921)	93859	50.0000	41.90
	42 Benzene	78	6.807	6.807	(0.955)	394965	50.0000	50.16
	45 1,2-Dichloroethane	62	6.837	6.837	(0.959)	155508	50.0000	45.51
	47 Trichloroethene	130	7.531	7.531	(1.056)	109581	50.0000	51.35
	49 1,2-Dichloropropane	63	7.762	7.762	(1.089)	110335	50.0000	47.78
	50 Dibromomethane	93	7.890	7.890	(1.107)	60033	50.0000	50.03
	53 Bromodichloromethane	83	8.060	8.060	(1.131)	118617	50.0000	44.08
	57 cis-1,3-Dichloropropene	75	8.522	8.522	(1.195)	130946	50.0000	44.70
	58 4-Methyl-2-Pentanone	43	8.693	8.693	(0.849)	215521	100.000	91.07
	60 Toluene	91	8.857	8.857	(0.865)	447490	50.0000	43.56
	61 trans-1,3-Dichloropropene	75	9.088	9.088	(0.888)	100164	50.0000	40.66
	63 1,3-Dichloropropane	76	9.435	9.435	(0.922)	151763	50.0000	44.36
	64 1,1,2-Trichloroethane	97	9.270	9.270	(0.906)	94331	50.0000	43.68
	65 Tetrachloroethene	164	9.410	9.410	(0.919)	83397	50.0000	47.33
	66 2-Hexanone	43	9.532	9.532	(0.931)	137174	100.000	87.82
	67 Dibromochloromethane	129	9.666	9.666	(0.944)	86760	50.0000	43.12
	68 1,2-Dibromoethane	107	9.769	9.769	(0.954)	85035	50.0000	45.17
	70 Chlorobenzene	112	10.262	10.262	(1.002)	302638	50.0000	46.69
	71 1,1,1,2-Tetrachloroethane	131	10.347	10.347	(1.011)	84525	50.0000	40.66
	72 Ethylbenzene	106	10.378	10.378	(1.014)	161844	50.0000	46.92
	73 m + p-Xylene	106	10.493	10.493	(1.025)	400016	100.000	91.70
	74 Xylene-o	106	10.889	10.889	(1.064)	199189	50.0000	46.20
M	75 Xylenes (total)	106				599205	150.000	137.9
	76 Styrene	104	10.901	10.901	(1.065)	338888	50.0000	46.74
	77 Bromoform	173	11.083	11.083	(1.083)	45189	50.0000	37.15
	78 Isopropylbenzene	105	11.254	11.254	(1.099)	456479	50.0000	44.23
	79 Bromobenzene	156	11.552	11.552	(0.920)	121385	50.0000	44.88
	81 n-Propylbenzene	120	11.667	11.667	(0.929)	149725	50.0000	47.39
	82 2-Chlorotoluene	126	11.753	11.753	(0.936)	124325	50.0000	45.62
	83 1,1,2,2-Tetrachloroethane	83	11.552	11.552	(0.920)	112259	50.0000	46.29
	84 1,2,3-Trichloropropane	110	11.594	11.594	(0.923)	34553	50.0000	45.72
	85 4-Chlorotoluene	126	11.856	11.856	(0.944)	138060	50.0000	48.41
	86 1,3,5-Trimethylbenzene	105	11.838	11.838	(0.942)	434812	50.0000	45.01
	87 tert-Butylbenzene	119	12.166	12.166	(0.969)	375225	50.0000	43.44
	88 1,2,4-Trimethylbenzene	105	12.215	12.215	(0.972)	436167	50.0000	44.48
	89 sec-Butylbenzene	105	12.385	12.385	(0.986)	547373	50.0000	43.94
	90 4-Isopropyltoluene	119	12.531	12.531	(0.998)	467145	50.0000	44.18
	91 1,3-Dichlorobenzene	146	12.495	12.495	(0.995)	244383	50.0000	45.20
	93 1,4-Dichlorobenzene	146	12.580	12.580	(1.001)	250646	50.0000	45.79
	94 n-Butylbenzene	91	12.939	12.939	(1.030)	441771	50.0000	44.24
	95 1,2-Dichlorobenzene	146	12.957	12.957	(1.031)	234388	50.0000	45.88
	96 1,2-Dibromo-3-chloropropane	157	13.736	13.736	(1.093)	17477	50.0000	40.08
	97 1,2,4-Trichlorobenzene	180	14.569	14.569	(1.160)	158272	50.0000	44.62
	98 Hexachlorobutadiene	225	14.740	14.740	(1.173)	79038	50.0000	43.56
	99 Naphthalene	128	14.819	14.819	(1.180)	362464	50.0000	45.19
	100 1,2,3-Trichlorobenzene	180	15.056	15.056	(1.199)	143207	50.0000	45.85
	101 1,1,2-trichlorotrifluoroethane	101	3.278	3.278	(0.460)	77248	50.0000	46.04
	102 Methyl acetate	43	3.826	3.826	(0.537)	85215	50.0000	48.25
	104 Cyclohexane	56	6.430	6.430	(0.902)	185251	50.0000	40.92

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
105 Methyl Cyclohexane	83	7.725	7.725	(1.084)	159153	50.0000	42.47
157 2-Chlorobenzotrifluoride	180	11.150	11.150	(1.089)	141155	50.0000	41.87
158 3-Chlorobenzotrifluoride	180	10.250	10.250	(1.001)	145230	50.0000	42.26
159 4-Chlorobenzotrifluoride	180	10.305	10.305	(1.007)	134205	50.0000	42.51
160 3-Chlorotoluene	126	11.807	11.807	(0.940)	123788	50.0000	43.74
161 2,4-Dichlorobenzotrifluoride	214	12.635	12.635	(1.006)	109313	50.0000	45.02
162 2,5-Dichlorobenzotrifluoride	214	12.683	12.683	(1.010)	122981	50.0000	44.57
163 3,4-Dichlorobenzotrifluoride	214	12.276	12.276	(0.977)	116586	50.0000	43.69
164 Dichlorotoluene(2,4+2,5+2,6)	125	13.882	13.882	(1.105)	609332	150.000	122.0
165 Dichlorotoluene(2,3+3,4)	125	14.302	14.302	(1.139)	434727	100.000	82.02
166 1,3,5-Trichlorobenzene	180	13.949	13.949	(1.110)	164252	50.0000	43.00
167 2,3,6-Trichlorotoluene	159	16.041	16.041	(1.277)	92400	50.0000	47.79
168 2,4,5-Trichlorotoluene	159	15.901	15.901	(1.266)	106951	50.0000	45.19

GC/MS VOLATILE
QC DATA

Data File: \\PITSVR06\D\chem\hp6.i\6031808d.b\BF60318C.D

Date : 18-MAR-2008 13:55

Client ID: 25NGBFB

Instrument: hp6.i

Sample Info: BFB 1ul

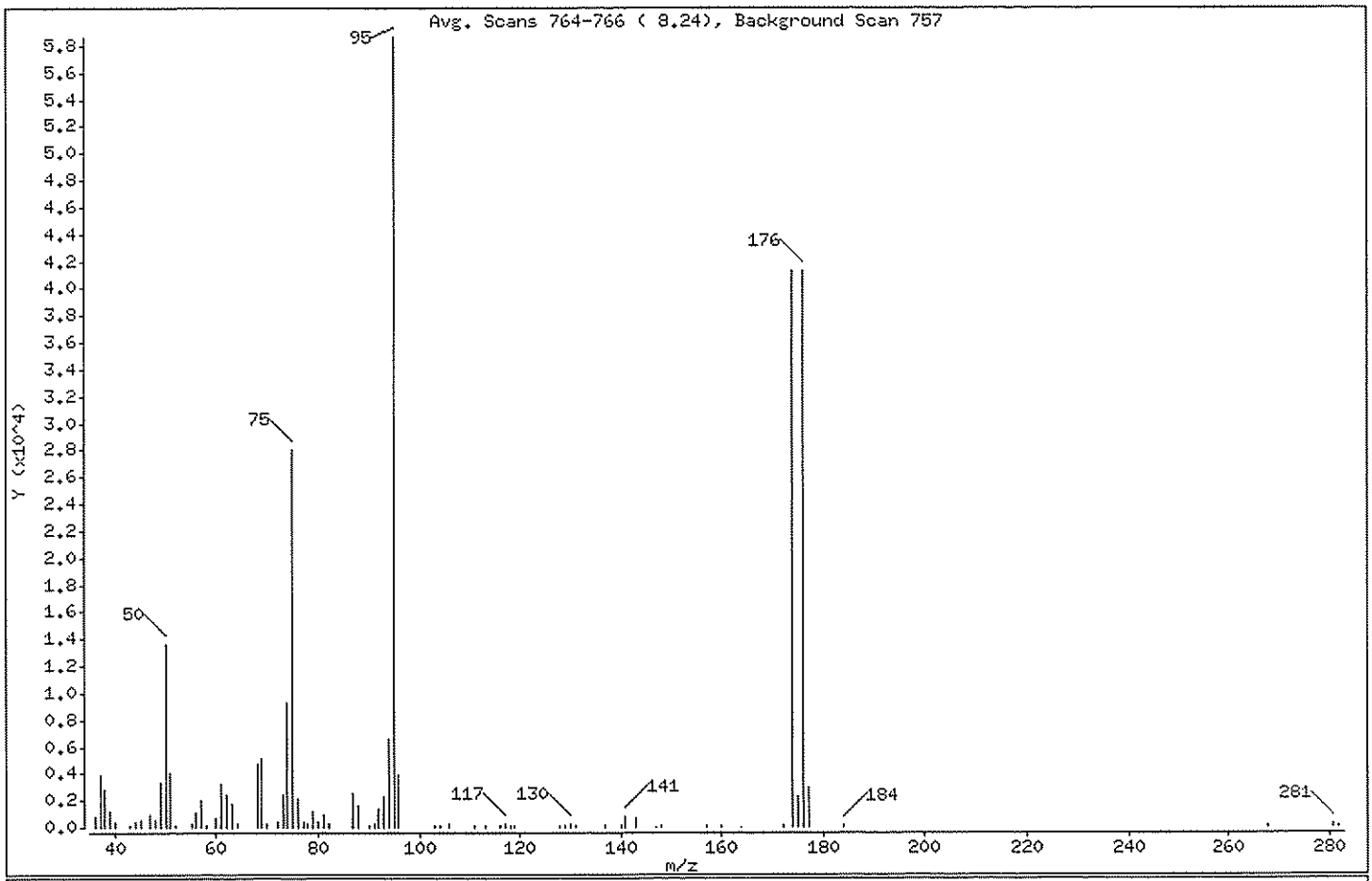
Volume Injected (uL): 1.0

Operator: 001562

Column phase: DB624 20m

Column diameter: 0.20

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.11
75	30.00 - 60.00% of mass 95	47.93
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	70.26
175	5.00 - 9.00% of mass 174	3.87 (5.50)
176	95.00 - 101.00% of mass 174	70.29 (100.04)
177	5.00 - 9.00% of mass 176	5.08 (7.22)

Date : 18-MAR-2008 13:55

Client ID: 25NGBFB Instrument: hp6.i

Sample Info: BFB 1ul

Volume Injected (uL): 1.0 Operator: 001562

Column phase: DB624 20m Column diameter: 0.20

Data File: BF60318G.D
Spectrum: Avg. Scans 764-766 (8.24), Background Scan 757
Location of Maximum: 95.00
Number of points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	761	62.00	2458	91.00	276	140.00	92
37.00	3901	63.00	1723	92.00	1387	141.00	848
38.00	2892	64.00	291	93.00	2326	143.00	614
39.00	1250	68.00	4735	94.00	6571	147.00	67
40.00	404	69.00	5181	95.00	58672	148.00	153
43.00	75	70.00	251	96.00	3978	157.00	70
44.00	380	72.00	396	103.00	75	160.00	69
45.00	473	73.00	2433	104.00	96	164.00	66
47.00	1009	74.00	9346	106.00	210	172.00	114
48.00	577	75.00	28120	111.00	81	174.00	41224
49.00	3382	76.00	2114	113.00	69	175.00	2268
50.00	13557	77.00	345	116.00	71	176.00	41240
51.00	4055	78.00	209	117.00	286	177.00	2978
52.00	115	79.00	1213	118.00	174	184.00	88
55.00	225	80.00	367	119.00	155	268.00	84
56.00	1053	81.00	898	128.00	174	281.00	213
57.00	2072	82.00	297	129.00	82	282.00	92
58.00	105	87.00	2582	130.00	270		
60.00	712	88.00	1672	131.00	76		
61.00	3177	90.00	71	137.00	180		

Data File: \\PITSVR06\D\chem\hp6.i\6031808d.b\BF60318G.D

Page 1

Date : 18-MAR-2008 13:55

Client ID: 25NGBFB

Instrument: hp6.i

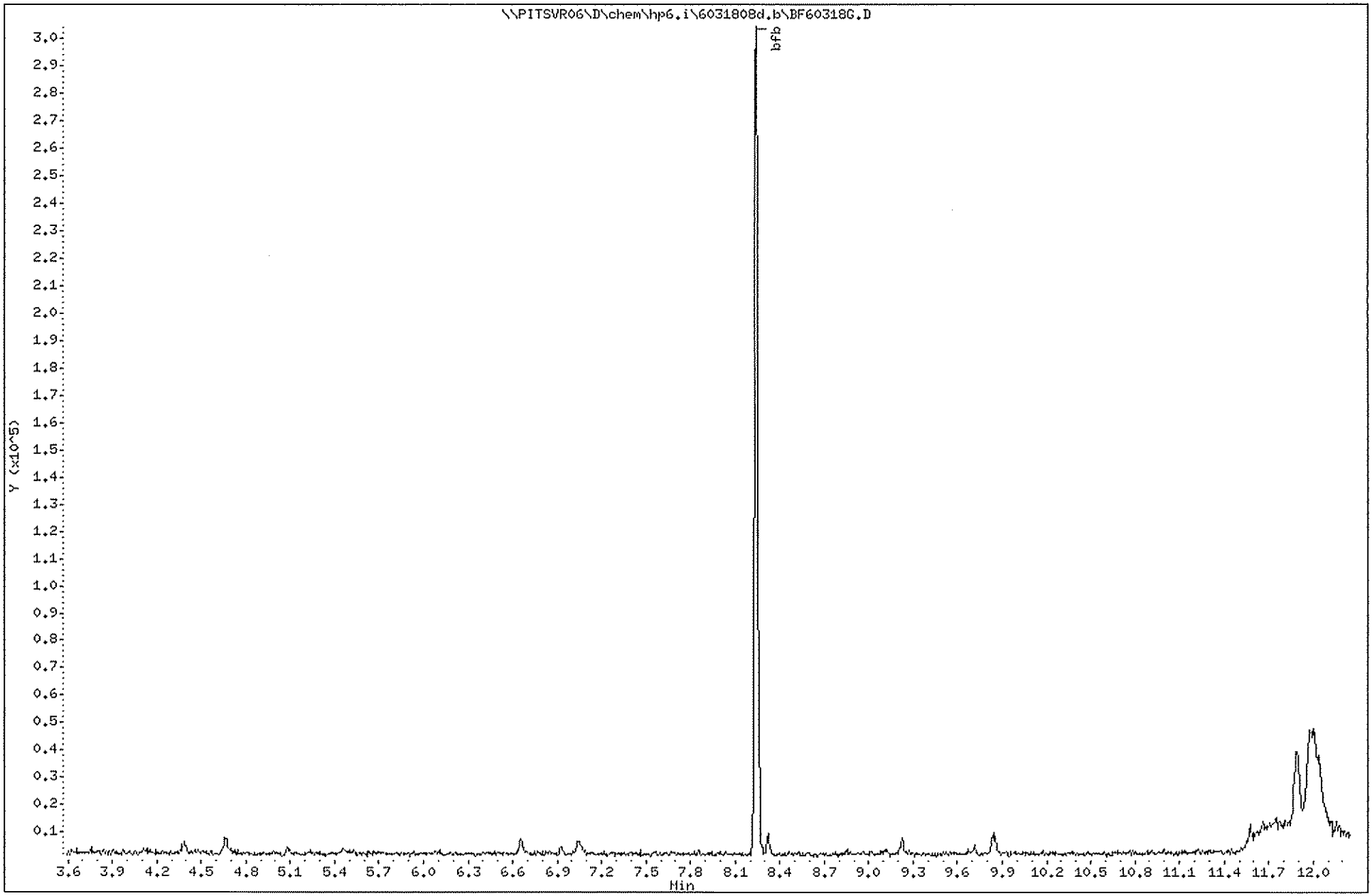
Sample Info: BFB 1ul

Volume Injected (uL): 1.0

Operator: 001562

Column phase: DB624 20m

Column diameter: 0.20



(1001 - 1209)

1165

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Data File: \\PITSVR06\D\chem\hp6.i\6032808d.b\BF60328.D

Date : 28-MAR-2008 07:28

Client ID: 25NGBFB

Instrument: hp6.i

Sample Info: BFB 1ul

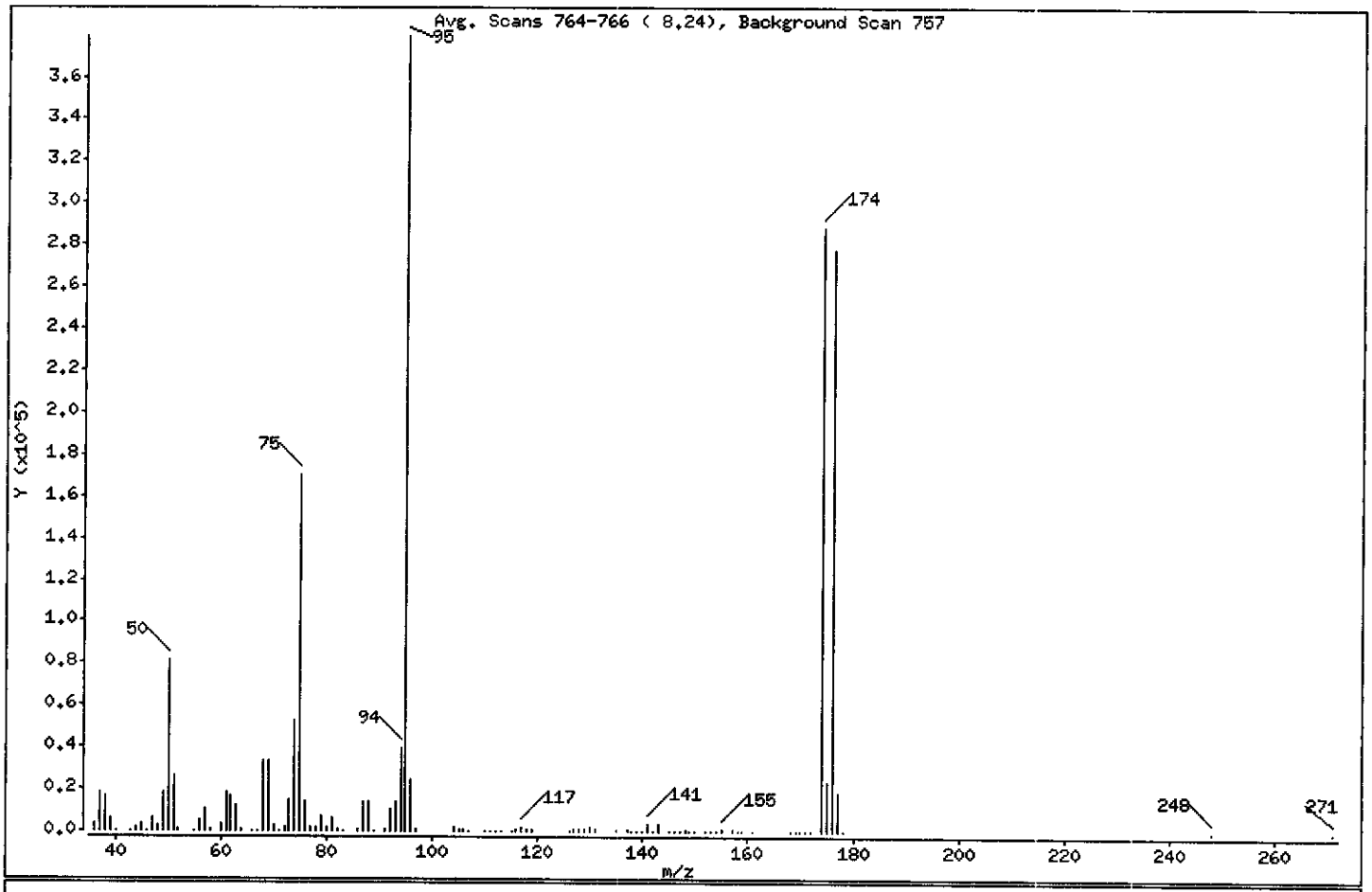
Volume Injected (uL): 1.0

Operator: 034635

Column phase: DB624 20m

Column diameter: 0.20

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.37
75	30.00 - 60.00% of mass 95	44.72
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.78
175	5.00 - 9.00% of mass 174	6.20 (8.18)
176	95.00 - 101.00% of mass 174	73.16 (96.55)
177	5.00 - 9.00% of mass 176	4.72 (6.45)

Data File: \\PITSVR06\D\chem\hp6.i\6032808d.b\BF60328.D

Date : 28-MAR-2008 07:28

Client ID: 25NGBFB

Instrument: hp6.i

Sample Info: BFB 1ul

Volume Injected (uL): 1.0

Operator: 034635

Column phase: DB624 20m

Column diameter: 0.20

Data File: BF60328.D

Spectrum: Avg. Scans 764-766 (8.24), Background Scan 757

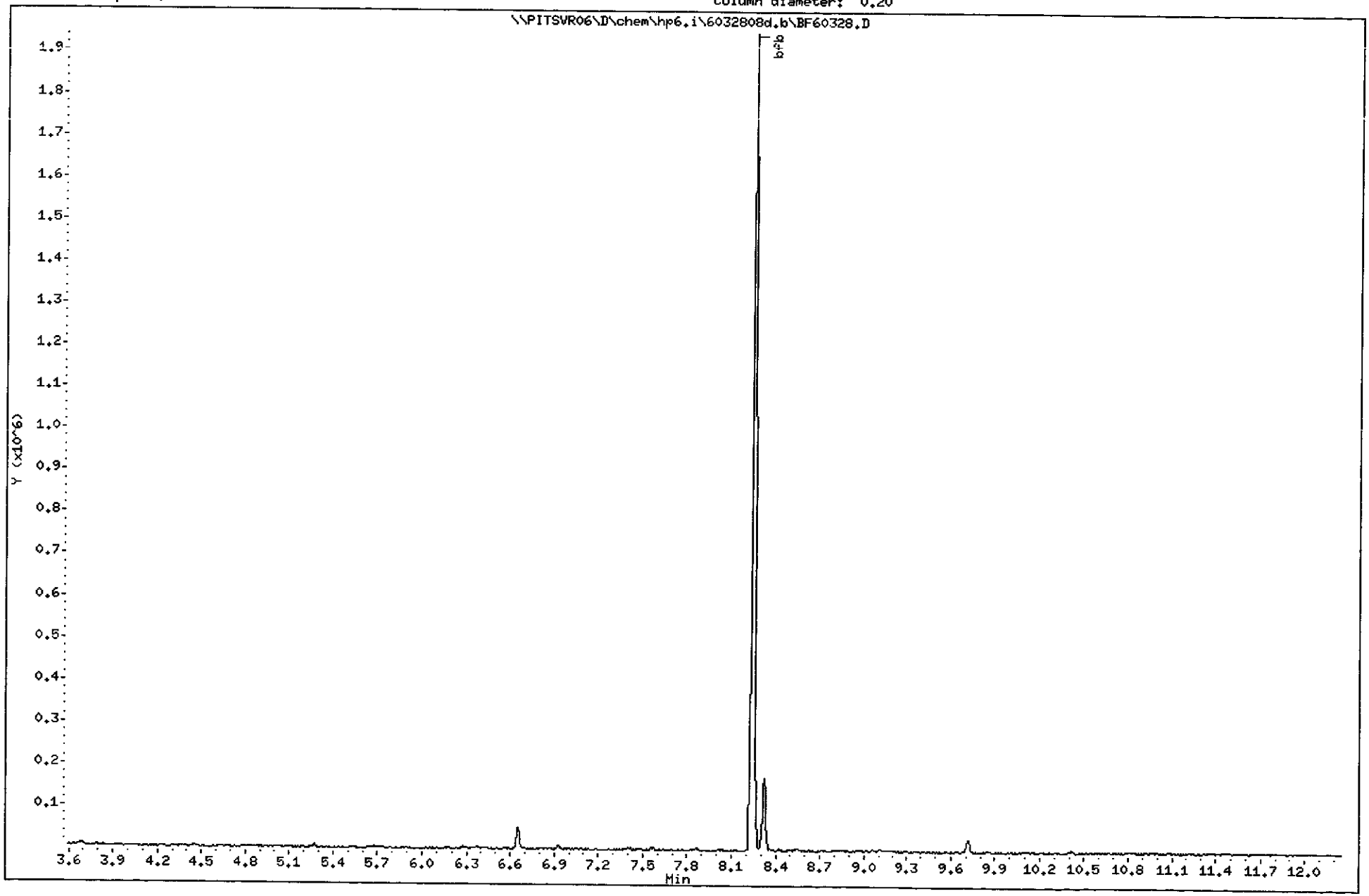
Location of Maximum: 95.00

Number of points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3632	69.00	33264	105.00	486	146.00	411
37.00	18432	70.00	2397	106.00	1291	147.00	141
38.00	16736	71.00	81	107.00	232	148.00	934
39.00	6387	72.00	1935	110.00	93	149.00	309
40.00	319	73.00	14980	111.00	128	150.00	270
43.00	73	74.00	52784	112.00	198	152.00	88
44.00	1928	75.00	169792	113.00	248	153.00	368
45.00	3674	76.00	13923	115.00	317	154.00	229
46.00	329	77.00	1782	116.00	1019	155.00	714
47.00	5684	78.00	1444	117.00	1866	157.00	475
48.00	2585	79.00	6796	118.00	1104	158.00	142
49.00	18088	80.00	1995	119.00	1308	159.00	436
50.00	81128	81.00	6217	126.00	124	161.00	416
51.00	25984	82.00	1212	127.00	496	168.00	77
52.00	1079	83.00	78	128.00	1017	169.00	131
55.00	431	86.00	517	129.00	615	170.00	121
56.00	5300	87.00	13740	130.00	1346	171.00	402
57.00	10327	88.00	13750	131.00	527	172.00	318
58.00	517	89.00	68	135.00	525	174.00	287680
60.00	3489	91.00	1027	137.00	513	175.00	23536
61.00	18464	92.00	10574	138.00	84	176.00	277760
62.00	16896	93.00	14138	139.00	74	177.00	17928
63.00	12020	94.00	39352	140.00	89	178.00	362
64.00	1208	95.00	379648	141.00	3488	248.00	85
66.00	126	96.00	24296	142.00	298	271.00	88
67.00	219	97.00	573	143.00	3166		
68.00	32880	104.00	1311	145.00	353		

Data File: \\PITSVR06\D\chem\hp6.i\6032808d.b\BF60328.D
Date : 28-MAR-2008 07:28
Client ID: 25NGBFB
Sample Info: BFB 1ul
Volume Injected (uL): 1.0
Column phase: DB624 20m

Instrument: hp6.i
Operator: 034635
Column diameter: 0.20



Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\AF60329.D

Date : 29-MAR-2008 11:12

Client ID: 25NGBFB

Instrument: hp6.i

Sample Info: BFB 1ul

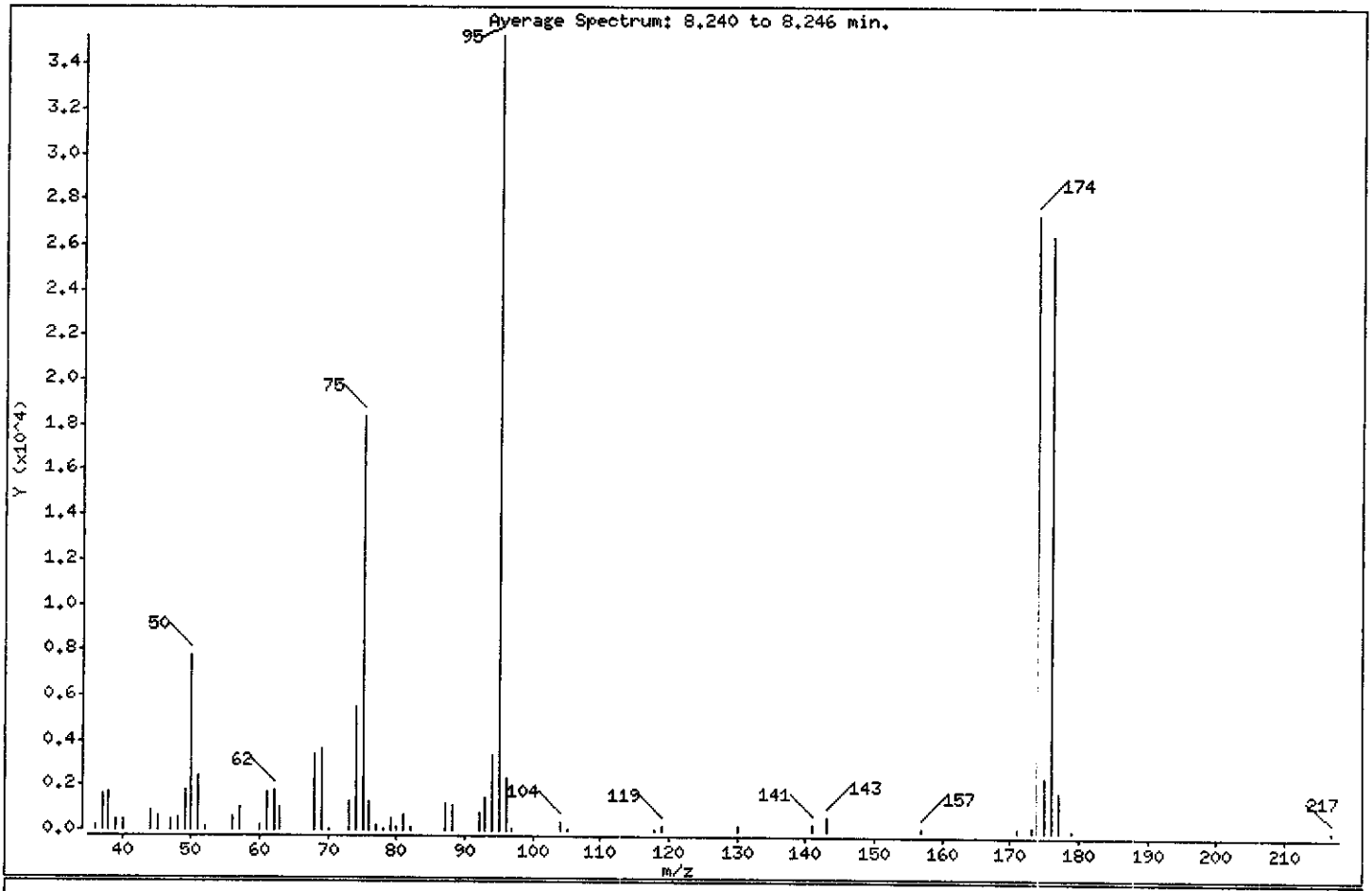
Volume Injected (uL): 1.0

Operator: 403419

Column phase: DB624 20m

Column diameter: 0.20

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.08
75	30.00 - 60.00% of mass 95	52.09
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.74 (0.94)
174	50.00 - 100.00% of mass 95	77.82
175	5.00 - 9.00% of mass 174	6.90 (8.87)
176	95.00 - 101.00% of mass 174	75.27 (96.72)
177	5.00 - 9.00% of mass 176	5.06 (6.73)

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\AF60329.D

Date : 29-MAR-2008 11:12

Client ID: 25NGBFB

Instrument: hp6.i

Sample Info: BFB 1ul

Volume Injected (uL): 1.0

Operator: 403419

Column phase: DB624 20m

Column diameter: 0.20

Data File: AF60329.D

Spectrum: Average Spectrum: 8.240 to 8.246 min.

Location of Maximum: 95.00

Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	218	60.00	256	81.00	741	141.00	336
37.00	1600	61.00	1696	82.00	129	143.00	638
38.00	1725	62.00	1820	87.00	1220	157.00	135
39.00	489	63.00	1032	88.00	1134	171.00	134
40.00	524	68.00	3403	92.00	811	173.00	259
44.00	859	69.00	3683	93.00	1467	174.00	27408
45.00	663	70.00	121	94.00	3389	175.00	2431
47.00	503	73.00	1309	95.00	35224	176.00	26512
48.00	541	74.00	5507	96.00	2337	177.00	1783
49.00	1811	75.00	18344	97.00	121	179.00	118
50.00	7778	76.00	1329	104.00	375	217.00	104
51.00	2431	77.00	252	105.00	113		
52.00	138	78.00	101	118.00	109		
56.00	631	79.00	571	119.00	283		
57.00	1057	80.00	155	130.00	268		

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\AF60329.D

Page 1

Date : 29-MAR-2008 11:12

Client ID: 25NGBFB

Instrument: hp6.i

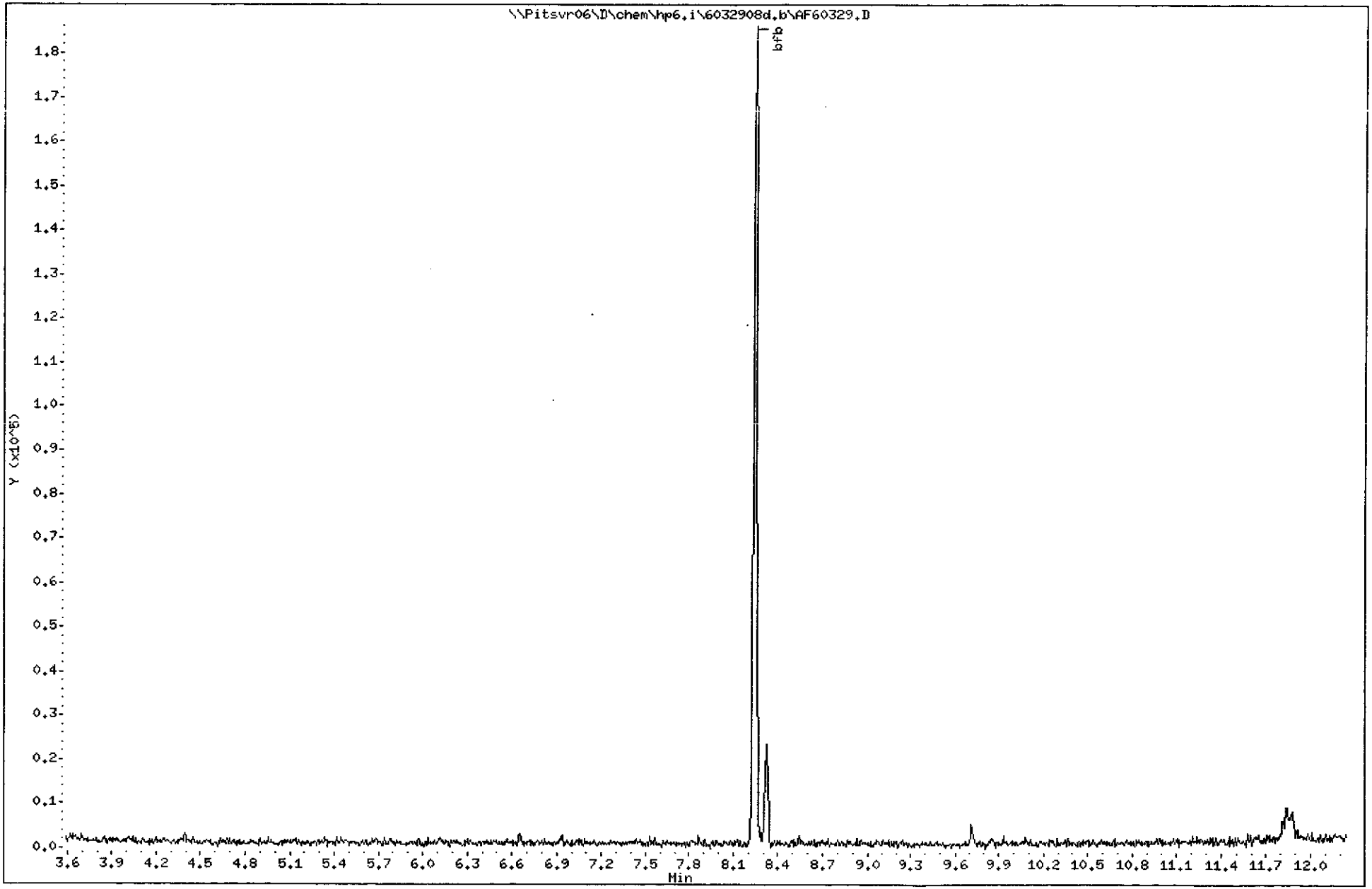
Sample Info: BFB 1ul

Volume Injected (uL): 1.0

Operator: 403419

Column phase: DB624 20m

Column diameter: 0.20



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8C220144
MB Lot-Sample #: C8C280000-227
Work Order #...: KKDP81AA
Matrix.....: WATER

Prep Date.....: 03/28/08
Analysis Date..: 03/28/08
Prep Batch #...: 8088227
Analysis Time..: 09:33
Dilution Factor: 1
Initial Wgt/Vol: 5 mL
Final Wgt/Vol..: 5 mL
Analyst ID.....: 034635
Instrument ID..: HP6

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8C220144 **Work Order #...:** KKDP81AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	95	(64 - 128)

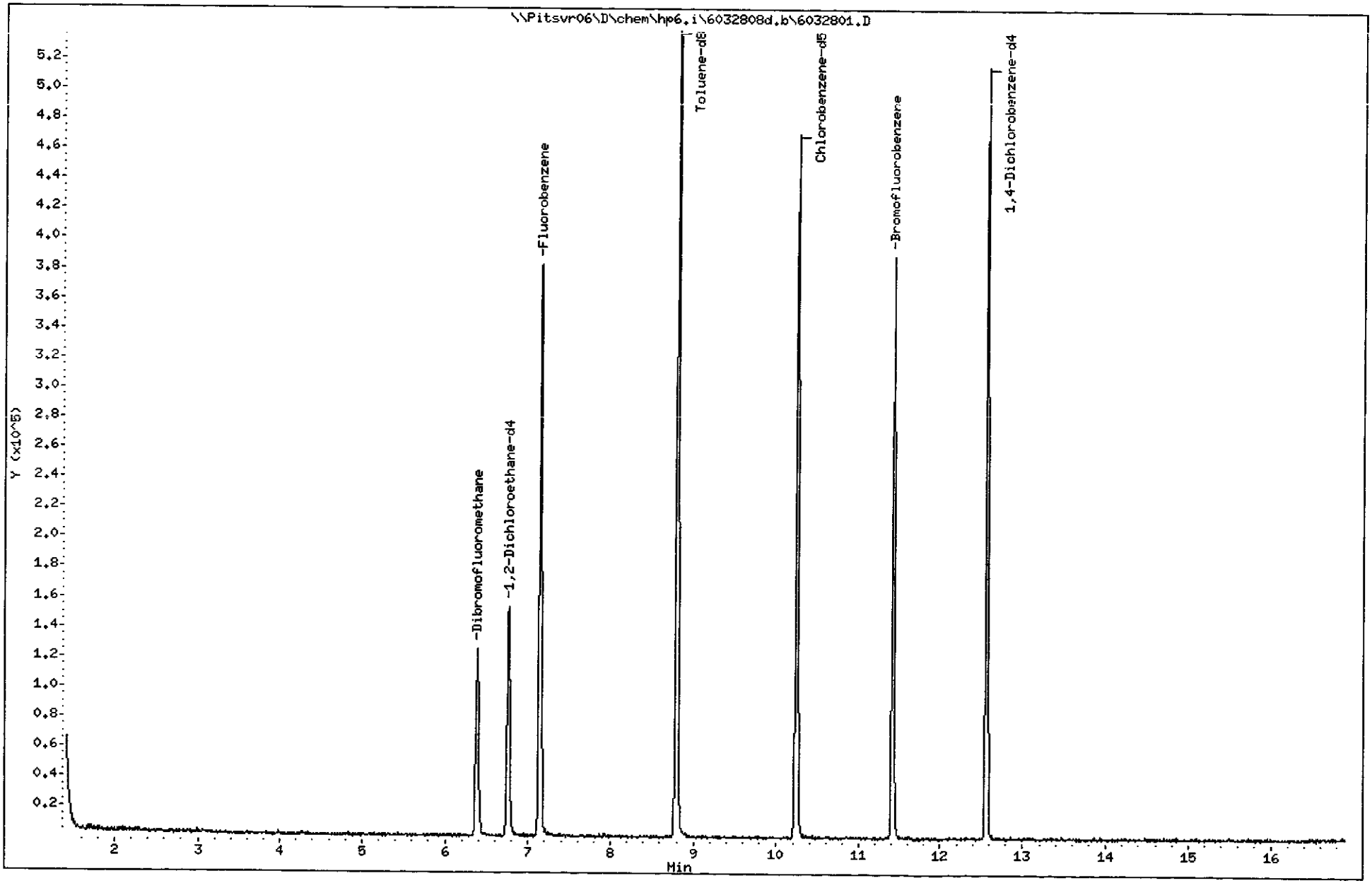
NOTE(S):

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

Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032801.D
Date : 28-MAR-2008 09:33
Client ID: intra-lab blank
Sample Info: vblk 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i

Operator: 034635
Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032801.D
Lab Smp Id: KKDP81AA Client Smp ID: intra-lab blank
Inj Date : 28-MAR-2008 09:33
Operator : 034635 Inst ID: hp6.i
Smp Info : vblk 5ml
Misc Info : KKDP81AA,6032808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 13:30 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
* 46 Fluorobenzene	96	7.138	7.135	(1.000)	398083	50.0000	
* 69 Chlorobenzene-d5	119	10.235	10.238	(1.000)	94820	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.558	12.562	(1.000)	150300	50.0000	
$ 39 Dibromofluoromethane	113	6.384	6.381	(0.894)	92007	47.5818	9.516
$ 43 1,2-Dichloroethane-d4	65	6.761	6.752	(0.947)	124500	45.7212	9.144
$ 59 Toluene-d8	98	8.799	8.796	(0.860)	392249	52.2565	10.45
$ 80 Bromofluorobenzene	95	11.409	11.406	(0.908)	156959	48.6861	9.737
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
1 Dichlorodifluoromethane	85	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	81 n-Propylbenzene	120	Compound Not Detected.					
	82 2-Chlorotoluene	126	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	85 4-Chlorotoluene	126	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	87 tert-Butylbenzene	119	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	89 sec-Butylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	94 n-Butylbenzene	91	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Hexachlorobutadiene	225	Compound Not Detected.					
	99 Naphthalene	128	Compound Not Detected.					
	100 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	Compound Not Detected.					
105 Methyl Cyclohexane	83	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8C220144 **Work Order #...:** KKFP51AA **Matrix.....:** WATER
MB Lot-Sample #: C8C290000-100

Prep Date.....: 03/29/08 **Analysis Time..:** 13:32
Analysis Date..: 03/29/08 **Prep Batch #...:** 8089100 **Final Wgt/Vol..:** 5 mL
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Instrument ID..:** HP6
Analyst ID.....: 403419

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C8C220144 **Work Order #...:** KKFP51AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(71 - 118)
1,2-Dichloroethane-d4	92	(64 - 135)
4-Bromofluorobenzene	96	(70 - 118)
Dibromofluoromethane	100	(64 - 128)

NOTE(S):

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

Data File: \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329001.D

Date : 29-MAR-2008 13:32

Client ID: INTRA-LAB BLANK

Sample Info: vblk 5ml

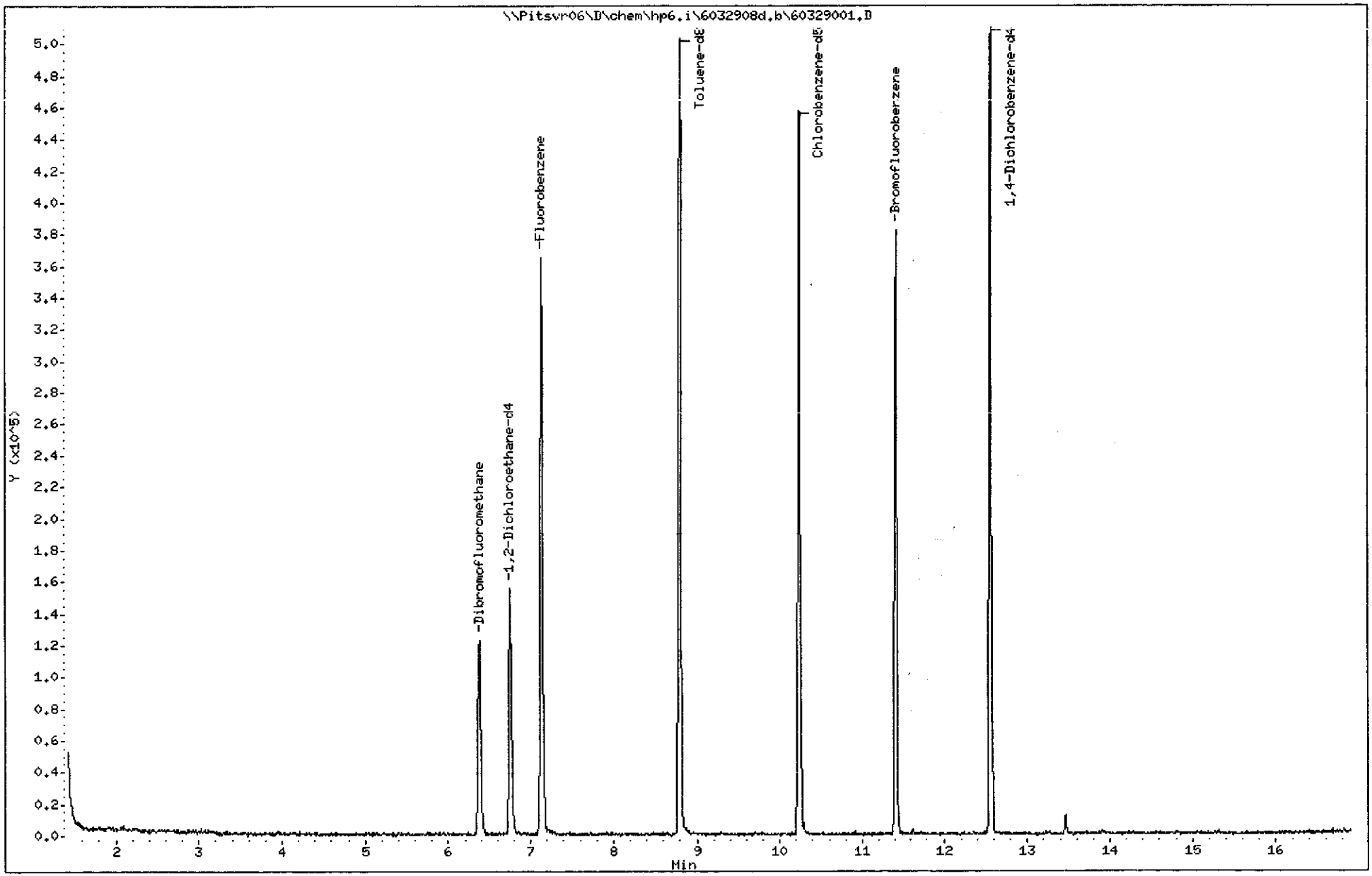
Purge Volume: 5.0

Column phase: DB 624

Instrument: hp6.i

Operator: 403419

Column diameter: 0.20



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329001.D
Lab Smp Id: KKFP51AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 29-MAR-2008 13:32
Operator : 403419 Inst ID: hp6.i
Smp Info : vblk 5ml
Misc Info : KKFP51AA,6032908d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m
Meth Date : 29-Mar-2008 13:54 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	7.129	7.129	(1.000)	374600	50.0000	
* 69 Chlorobenzene-d5	119	10.238	10.238	(1.000)	92435	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.562	12.562	(1.000)	148793	50.0000	
$ 39 Dibromofluoromethane	113	6.381	6.375	(0.895)	90826	49.9156	9.983
$ 43 1,2-Dichloroethane-d4	65	6.752	6.752	(0.947)	117635	45.9033	9.182
$ 59 Toluene-d8	98	8.796	8.790	(0.859)	366493	50.0850	10.02
$ 80 Bromofluorobenzene	95	11.406	11.406	(0.908)	152750	47.8604	9.572
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
1 Dichlorodifluoromethane	85	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	81 n-Propylbenzene	120	Compound Not Detected.					
	82 2-Chlorotoluene	126	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	85 4-Chlorotoluene	126	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	87 tert-Butylbenzene	119	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	89 sec-Butylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	94 n-Butylbenzene	91	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Hexachlorobutadiene	225	Compound Not Detected.					
	99 Naphthalene	128	Compound Not Detected.					
	100 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	101 1,1,2-trichlorotrifluoroethane	101	Compound Not Detected.					
	102 Methyl acetate	43	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	Compound Not Detected.					
105 Methyl Cyclohexane	83	Compound Not Detected.					
157 2-Chlorobenzotrifluoride	180	Compound Not Detected.					
158 3-Chlorobenzotrifluoride	180	Compound Not Detected.					
159 4-Chlorobenzotrifluoride	180	Compound Not Detected.					
160 3-Chlorotoluene	126	Compound Not Detected.					
161 2,4-Dichlorobenzotrifluoride	214	Compound Not Detected.					
162 2,5-Dichlorobenzotrifluoride	214	Compound Not Detected.					
163 3,4-Dichlorobenzotrifluoride	214	Compound Not Detected.					
164 Dichlorotoluene(2,4+2,5+2,6)	125	Compound Not Detected.					
165 Dichlorotoluene(2,3+3,4)	125	Compound Not Detected.					
166 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
167 2,3,6-Trichlorotoluene	159	Compound Not Detected.					
168 2,4,5-Trichlorotoluene	159	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8C220144 **Work Order #...:** KKDP81AC **Matrix.....:** WATER
LCS Lot-Sample#: C8C280000-227
Prep Date.....: 03/28/08 **Analysis Date..:** 03/28/08
Prep Batch #...: 8088227 **Analysis Time..:** 12:17
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419 **Instrument ID..:** HP6

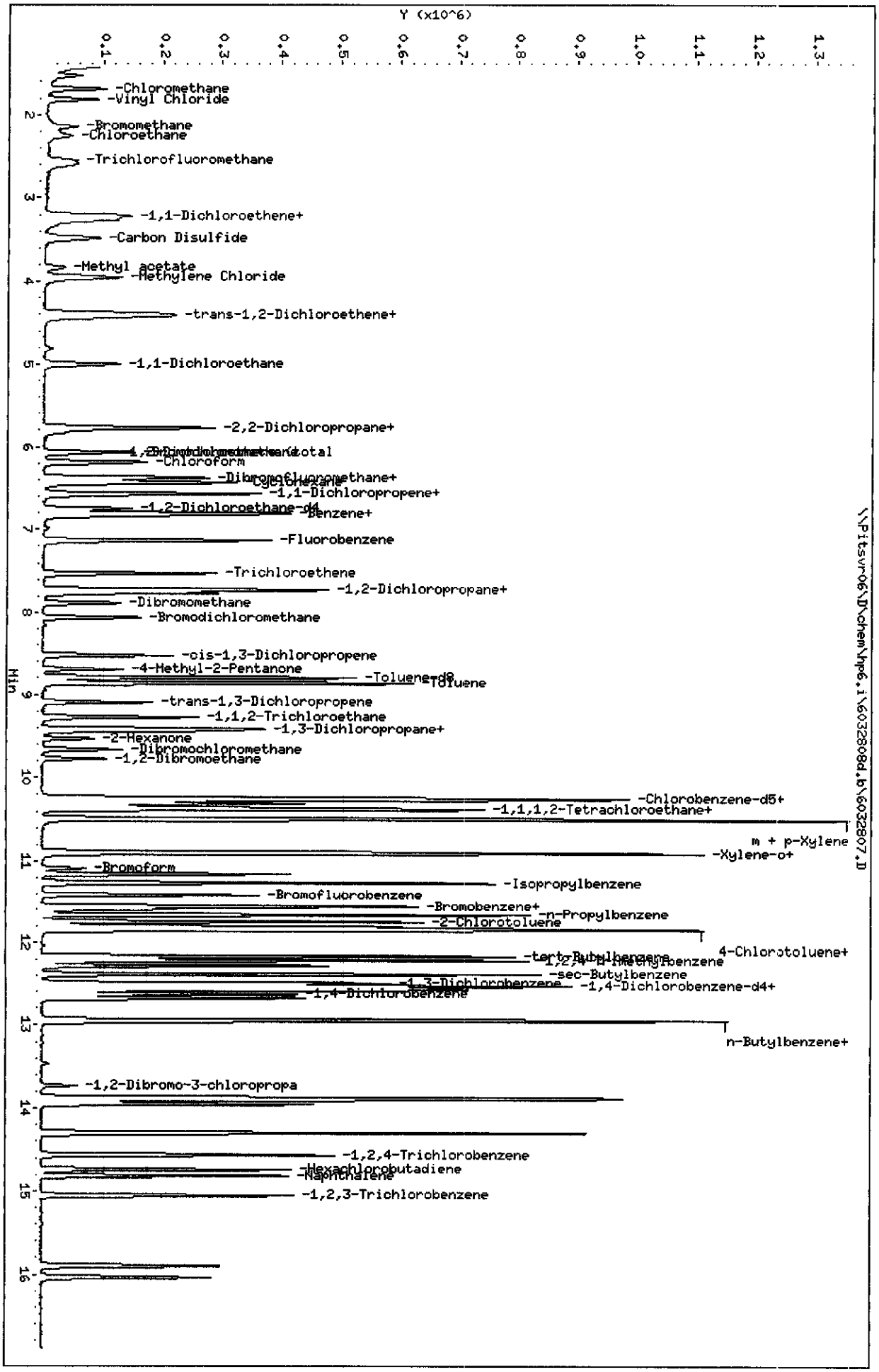
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**94**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**101**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**95**	**(65 - 136)**	**SW846 8260B**
Trichloroethene	**101**	**(73 - 120)**	**SW846 8260B**
Toluene	**108**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(71 - 118)
1,2-Dichloroethane-d4	89	(64 - 135)
4-Bromofluorobenzene	84	(70 - 118)
Dibromofluoromethane	92	(64 - 128)

NOTE(S):

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

Bold print denotes control parameters



Data File: \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032807.D
Date : 28-MAR-2008 12:17
Client ID: INTRA-LAB CHECK
Sample Info: blkms 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 403419
Column diameter: 0.20

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VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032807.D
Lab Smp Id: KKDP81AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 28-MAR-2008 12:17
Operator : 403419 Inst ID: hp6.i
Smp Info : blkms 5ml
Misc Info : KKDP81AC,6032808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 13:30 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
* 46 Fluorobenzene	96	7.127	7.135	(1.000)	385021	50.0000	
* 69 Chlorobenzene-d5	119	10.236	10.238	(1.000)	92771	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.560	12.562	(1.000)	168861	50.0000	
$ 39 Dibromofluoromethane	113	6.379	6.381	(0.895)	85795	45.8745	9.175
$ 43 1,2-Dichloroethane-d4	65	6.750	6.752	(0.947)	117770	44.7170	8.943
$ 59 Toluene-d8	98	8.794	8.796	(0.859)	376207	51.2263	10.24
$ 80 Bromofluorobenzene	95	11.404	11.406	(0.908)	152925	42.2208	8.444
2 Chloromethane	50	1.689	1.690	(0.237)	148614	54.3836	10.88
3 Vinyl Chloride	62	1.816	1.818	(0.255)	127420	53.9136	10.78
4 Bromomethane	94	2.139	2.147	(0.300)	31608	46.8069	9.361
5 Chloroethane	64	2.254	2.262	(0.316)	41266	32.2975	6.460
6 Trichlorofluoromethane	101	2.546	2.560	(0.357)	106691	52.1983	10.44
1 Dichlorodifluoromethane	85	1.524	1.532	(0.214)	84983	66.7034	13.34
12 1,1-Dichloroethene	96	3.209	3.223	(0.450)	82174	47.5068	9.501
13 Acetone	43	3.331	3.339	(0.467)	31515	38.9160	7.783
15 Carbon Disulfide	76	3.477	3.491	(0.488)	236499	43.2196	8.644
18 Methylene Chloride	84	3.952	3.953	(0.554)	92139	44.6531	8.931
19 trans-1,2-Dichloroethene	96	4.377	4.391	(0.614)	97668	47.1176	9.424
20 Methyl tert-butyl ether	73	4.426	4.428	(0.621)	215343	39.9169	7.983
24 1,1-Dichloroethane	63	4.998	5.000	(0.701)	185381	46.4301	9.286
27 2,2-Dichloropropane	77	5.771	5.772	(0.810)	60858	35.6390	7.128
28 cis-1,2-dichloroethene	96	5.777	5.785	(0.811)	105074	47.5559	9.511

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96				202742	94.6735	18.93
	30 Bromochloromethane	128	6.069	6.064	(0.851)	51634	48.8958	9.779
	31 2-Butanone	43	5.831	5.827	(0.818)	49503	45.0508	9.010
	37 Chloroform	83	6.190	6.192	(0.869)	165240	45.1670	9.033
	38 1,1,1-Trichloroethane	97	6.379	6.381	(0.895)	117924	40.4104	8.082
	40 1,1-Dichloropropene	75	6.574	6.582	(0.922)	129097	45.7461	9.149
	41 Carbon Tetrachloride	117	6.568	6.569	(0.921)	84752	36.9699	7.394
	42 Benzene	78	6.805	6.813	(0.955)	379260	47.0681	9.414
	45 1,2-Dichloroethane	62	6.835	6.837	(0.959)	148762	43.4782	8.696
	47 Trichloroethene	130	7.529	7.531	(1.056)	110068	50.4001	10.08
	49 1,2-Dichloropropane	63	7.766	7.768	(1.090)	113037	47.8344	9.567
	50 Dibromomethane	93	7.882	7.889	(1.106)	57457	46.7914	9.358
	53 Bromodichloromethane	83	8.058	8.060	(1.131)	112463	40.8403	8.168
	57 cis-1,3-Dichloropropene	75	8.526	8.528	(1.196)	115595	38.5578	7.712
	58 4-Methyl-2-Pentanone	43	8.697	8.692	(0.850)	104973	46.9508	9.390
	60 Toluene	91	8.861	8.863	(0.866)	471297	54.1367	10.83
	61 trans-1,3-Dichloropropene	75	9.086	9.094	(0.888)	92060	39.5504	7.910
	63 1,3-Dichloropropane	76	9.439	9.441	(0.922)	154999	47.9597	9.592
	64 1,1,2-Trichloroethane	97	9.275	9.276	(0.906)	92634	50.5956	10.12
	65 Tetrachloroethene	164	9.408	9.410	(0.919)	87444	52.5292	10.50
	66 2-Hexanone	43	9.530	9.526	(0.931)	67201	45.5359	9.107
	67 Dibromochloromethane	129	9.664	9.660	(0.944)	78025	41.0405	8.208
	68 1,2-Dibromoethane	107	9.774	9.769	(0.955)	86178	48.4536	9.691
	70 Chlorobenzene	112	10.266	10.262	(1.003)	310034	50.6254	10.12
	71 1,1,1,2-Tetrachloroethane	131	10.345	10.347	(1.011)	79214	40.3348	8.067
	72 Ethylbenzene	106	10.376	10.378	(1.014)	171958	52.7724	10.55
	73 m + p-Xylene	106	10.491	10.493	(1.025)	435095	105.574	21.11
	74 Xylene-o	106	10.887	10.889	(1.064)	205564	50.4700	10.09
M	75 Xylenes (total)	106				640659	156.044	31.21
	76 Styrene	104	10.905	10.901	(1.065)	356948	52.1099	10.42
	77 Bromoform	173	11.088	11.089	(1.083)	40329	35.0939	7.019
	78 Isopropylbenzene	105	11.258	11.260	(1.100)	543605	55.7484	11.15
	79 Bromobenzene	156	11.556	11.558	(0.920)	129433	46.0224	9.204
	81 n-Propylbenzene	120	11.665	11.667	(0.929)	164929	50.2025	10.04
	82 2-Chlorotoluene	126	11.751	11.752	(0.936)	134487	47.4520	9.490
	83 1,1,2,2-Tetrachloroethane	83	11.550	11.546	(0.920)	115357	45.7388	9.148
	84 1,2,3-Trichloropropane	110	11.592	11.600	(0.923)	37548	47.7821	9.556
	85 4-Chlorotoluene	126	11.860	11.856	(0.944)	152131	51.2966	10.26
	86 1,3,5-Trimethylbenzene	105	11.842	11.844	(0.943)	475999	47.3869	9.477
	87 tert-Butylbenzene	119	12.164	12.166	(0.969)	433241	48.2358	9.647
	88 1,2,4-Trimethylbenzene	105	12.213	12.215	(0.972)	475116	46.5959	9.319
	89 sec-Butylbenzene	105	12.383	12.385	(0.986)	635502	49.0634	9.813
	90 4-Isopropyltoluene	119	12.535	12.531	(0.998)	560445	50.9697	10.19
	91 1,3-Dichlorobenzene	146	12.493	12.495	(0.995)	270479	48.1055	9.621
	93 1,4-Dichlorobenzene	146	12.584	12.586	(1.002)	277445	48.7431	9.749
	94 n-Butylbenzene	91	12.943	12.945	(1.031)	520722	50.1483	10.03
	95 1,2-Dichlorobenzene	146	12.955	12.957	(1.031)	248969	46.8589	9.372
	96 1,2-Dibromo-3-chloropropane	157	13.740	13.736	(1.094)	15176	33.4708	6.694
	97 1,2,4-Trichlorobenzene	180	14.573	14.569	(1.160)	174036	47.1762	9.435
	98 Hexachlorobutadiene	225	14.744	14.746	(1.174)	91015	48.2396	9.648
	99 Naphthalene	128	14.817	14.819	(1.180)	386857	46.3791	9.276
	100 1,2,3-Trichlorobenzene	180	15.060	15.056	(1.199)	150965	46.4793	9.296
	101 1,1,2-trichlorotrifluoroethane	101	3.258	3.266	(0.457)	84391	49.1504	9.830
	102 Methyl acetate	43	3.830	3.838	(0.537)	83618	46.2640	9.253

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	6.434	6.442	(0.903)	199531	43.0667	8.613
105 Methyl Cyclohexane	83	7.723	7.725	(1.084)	188923	49.2583	9.852
52 1,4-Dioxane	88	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8C220144 **Work Order #...:** KKFP51AC **Matrix.....:** WATER
LCS Lot-Sample#: C8C290000-100
Prep Date.....: 03/29/08 **Analysis Date..:** 03/29/08
Prep Batch #...: 8089100 **Analysis Time..:** 15:01
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Analyst ID.....: 403419 **Instrument ID..:** HP6

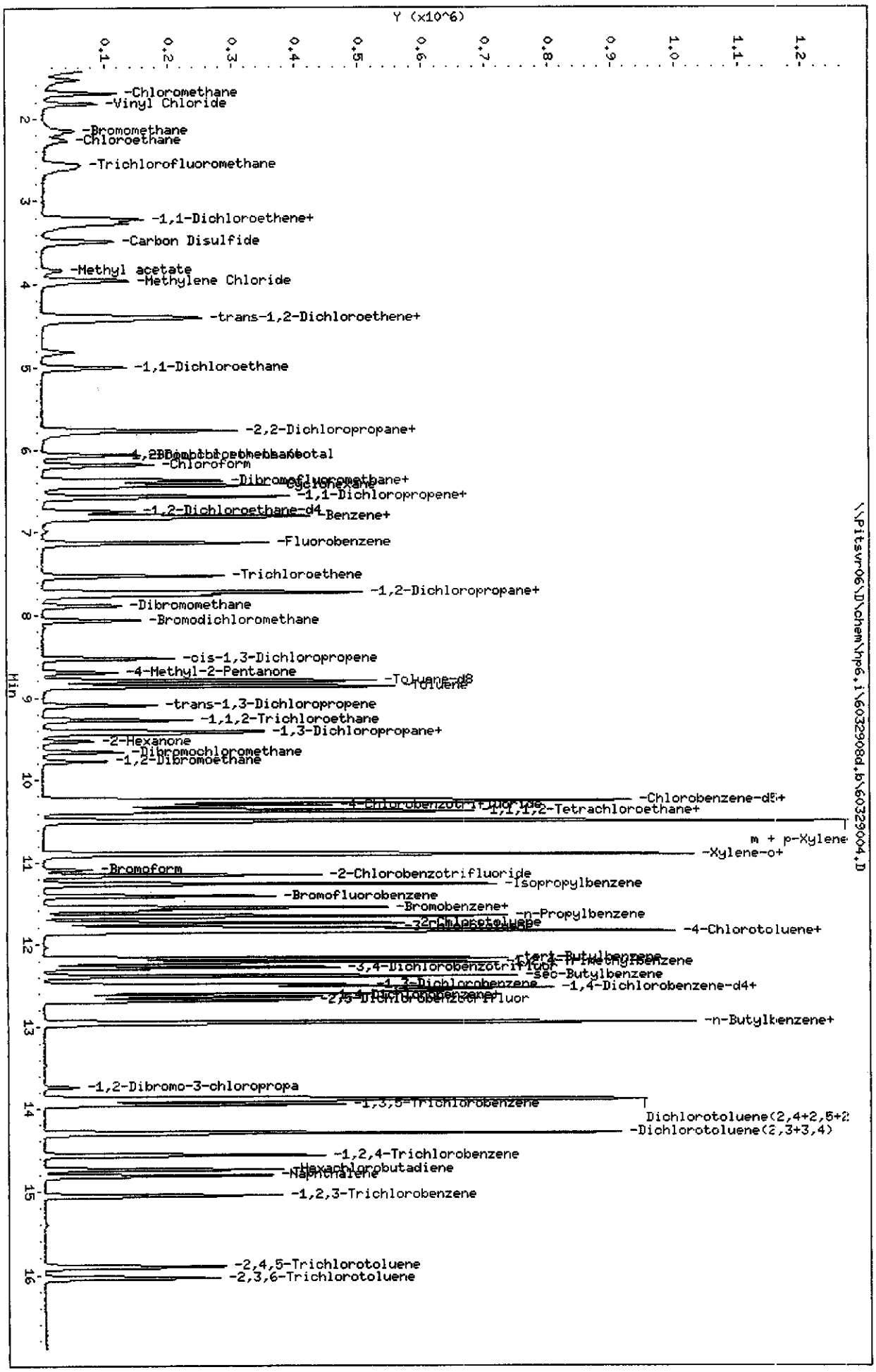
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**102**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**94**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**110**	**(65 - 136)**	**SW846 8260B**
Trichloroethene	**105**	**(73 - 120)**	**SW846 8260B**
Toluene	**103**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(71 - 118)
1,2-Dichloroethane-d4	91	(64 - 135)
4-Bromofluorobenzene	87	(70 - 118)
Dibromofluoromethane	96	(64 - 128)

NOTE(S):

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

Bold print denotes control parameters



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Client ID: INTRA-LAB CHECK
Sample Info: blkms 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 403419
Column diameter: 0.20

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032908d.b\60329004.D
Lab Smp Id: KKFP51AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 29-MAR-2008 15:01
Operator : 403419 Inst ID: hp6.i
Smp Info : blkms 5ml
Misc Info : KKFP51AC,6032908d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032908d.b\8260ee.m
Meth Date : 29-Mar-2008 13:54 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	7.127	7.129	(1.000)	362546	50.0000	
* 69 Chlorobenzene-d5	119	10.236	10.238	(1.000)	88907	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.560	12.562	(1.000)	159488	50.0000	
$ 39 Dibromofluoromethane	113	6.379	6.375	(0.895)	84452	47.9558	9.591
$ 43 1,2-Dichloroethane-d4	65	6.750	6.752	(0.947)	112300	45.2834	9.057
$ 59 Toluene-d8	98	8.794	8.790	(0.859)	372730	52.9586	10.59
$ 80 Bromofluorobenzene	95	11.404	11.406	(0.908)	148769	43.4873	8.697
2 Chloromethane	50	1.695	1.690	(0.238)	163231	63.4355	12.69
3 Vinyl Chloride	62	1.816	1.818	(0.255)	129159	58.0372	11.61
4 Bromomethane	94	2.151	2.153	(0.302)	31950	50.4991	10.10
5 Chloroethane	64	2.260	2.287	(0.317)	52954	44.0146	8.803
6 Trichlorofluoromethane	101	2.559	2.560	(0.359)	117844	61.2290	12.24
1 Dichlorodifluoromethane	85	1.524	1.526	(0.214)	102068	85.0798	17.02
12 1,1-Dichloroethene	96	3.216	3.217	(0.451)	89429	54.9061	10.98
13 Acetone	43	3.331	3.327	(0.467)	31686	41.5527	8.310
15 Carbon Disulfide	76	3.483	3.491	(0.489)	284433	55.2017	11.04
18 Methylene Chloride	84	3.958	3.941	(0.555)	97028	49.9374	9.987
19 trans-1,2-Dichloroethene	96	4.390	4.385	(0.616)	103799	53.1797	10.64
20 Methyl tert-butyl ether	73	4.420	4.422	(0.620)	217640	42.8436	8.569
24 1,1-Dichloroethane	63	5.004	5.000	(0.702)	187322	49.8247	9.965
27 2,2-Dichloropropane	77	5.771	5.766	(0.810)	69147	43.0034	8.601
28 cis-1,2-dichloroethene	96	5.777	5.779	(0.811)	110025	52.8837	10.58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96				213824	106.063	21.21
	30 Bromochloromethane	128	6.063	6.064	(0.851)	49348	49.6280	9.926
	31 2-Butanone	43	5.825	5.827	(0.817)	44077	42.5995	8.520
	37 Chloroform	83	6.190	6.192	(0.869)	158292	45.9501	9.190
	38 1,1,1-Trichloroethane	97	6.379	6.381	(0.895)	128918	46.9165	9.383
	40 1,1-Dichloropropene	75	6.580	6.569	(0.923)	133089	50.0843	10.02
	41 Carbon Tetrachloride	117	6.574	6.563	(0.922)	96587	44.7444	8.949
	42 Benzene	78	6.811	6.807	(0.956)	385389	50.7938	10.16
	45 1,2-Dichloroethane	62	6.835	6.837	(0.959)	144437	44.8311	8.966
	47 Trichloroethene	130	7.529	7.531	(1.056)	108171	52.6020	10.52
	49 1,2-Dichloropropane	63	7.760	7.762	(1.089)	104377	46.9079	9.382(Q)
	50 Dibromomethane	93	7.888	7.890	(1.107)	55965	48.4017	9.680
	53 Bromodichloromethane	83	8.058	8.060	(1.131)	110434	42.5856	8.518
	57 cis-1,3-Dichloropropene	75	8.526	8.522	(1.196)	114162	40.4405	8.088
	58 4-Methyl-2-Pentanone	43	8.691	8.693	(0.849)	92242	43.0498	8.610
	60 Toluene	91	8.861	8.857	(0.866)	431565	51.7272	10.34
	61 trans-1,3-Dichloropropene	75	9.092	9.088	(0.888)	91608	41.0667	8.213
	63 1,3-Dichloropropane	76	9.433	9.435	(0.922)	139579	45.0655	9.013
	64 1,1,2-Trichloroethane	97	9.269	9.270	(0.906)	78465	44.7193	8.944
	65 Tetrachloroethene	164	9.409	9.410	(0.919)	82998	52.0253	10.40
	66 2-Hexanone	43	9.530	9.532	(0.931)	57660	40.7689	8.154
	67 Dibromochloromethane	129	9.664	9.666	(0.944)	75022	41.1760	8.235
	68 1,2-Dibromoethane	107	9.767	9.769	(0.954)	78760	46.2074	9.241
	70 Chlorobenzene	112	10.266	10.262	(1.003)	276829	47.1680	9.434
	71 1,1,1,2-Tetrachloroethane	131	10.345	10.347	(1.011)	78693	41.8110	8.362
	72 Ethylbenzene	106	10.376	10.378	(1.014)	157149	50.3237	10.06
	73 m + p-Xylene	106	10.491	10.493	(1.025)	394905	99.9869	20.00
	74 Xylene-o	106	10.887	10.889	(1.064)	185630	47.5566	9.511
M	75 Xylenes (total)	106				580535	147.544	29.51
	76 Styrene	104	10.899	10.901	(1.065)	318920	48.5818	9.716
	77 Bromoform	173	11.081	11.083	(1.083)	41515	37.6960	7.539
	78 Isopropylbenzene	105	11.258	11.254	(1.100)	497170	53.2023	10.64
	79 Bromobenzene	156	11.556	11.552	(0.920)	114348	43.0481	8.610
	81 n-Propylbenzene	120	11.665	11.667	(0.929)	146700	47.2781	9.456
	82 2-Chlorotoluene	126	11.751	11.753	(0.936)	121277	45.3058	9.061
	83 1,1,2,2-Tetrachloroethane	83	11.550	11.552	(0.920)	100807	42.3187	8.464
	84 1,2,3-Trichloropropane	110	11.599	11.594	(0.923)	34750	46.8204	9.364
	85 4-Chlorotoluene	126	11.860	11.856	(0.944)	135619	48.4165	9.683
	86 1,3,5-Trimethylbenzene	105	11.836	11.838	(0.942)	427163	45.0243	9.005
	87 tert-Butylbenzene	119	12.164	12.166	(0.969)	380188	44.8167	8.963
	88 1,2,4-Trimethylbenzene	105	12.213	12.215	(0.972)	427982	44.4401	8.888
	89 sec-Butylbenzene	105	12.383	12.385	(0.986)	573658	46.8916	9.378
	90 4-Isopropyltoluene	119	12.529	12.531	(0.998)	493678	47.5362	9.507
	91 1,3-Dichlorobenzene	146	12.493	12.495	(0.995)	232528	43.7862	8.757
	93 1,4-Dichlorobenzene	146	12.584	12.580	(1.002)	244324	45.4468	9.089
	94 n-Butylbenzene	91	12.937	12.939	(1.030)	456759	46.5735	9.315
	95 1,2-Dichlorobenzene	146	12.955	12.957	(1.031)	226880	45.2110	9.042
	96 1,2-Dibromo-3-chloropropane	157	13.740	13.736	(1.094)	15488	36.1664	7.233
	97 1,2,4-Trichlorobenzene	180	14.567	14.569	(1.160)	150690	43.2483	8.650
	98 Hexachlorobutadiene	225	14.738	14.740	(1.173)	76123	42.7177	8.544
	99 Naphthalene	128	14.817	14.819	(1.180)	329665	41.8452	8.369
	100 1,2,3-Trichlorobenzene	180	15.054	15.056	(1.199)	134877	43.9666	8.793
	101 1,1,2-trichlorotrifluoroethane	101	3.270	3.278	(0.459)	91726	56.7342	11.35
	102 Methyl acetate	43	3.836	3.826	(0.538)	78542	46.1495	9.230

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	6.434	6.430	(0.903)	219229	50.2516	10.05
105 Methyl Cyclohexane	83	7.723	7.725	(1.084)	190037	52.6204	10.52
157 2-Chlorobenzotrifluoride	180	11.148	11.150	(1.089)	150140	49.1823	9.836
158 3-Chlorobenzotrifluoride	180	10.248	10.250	(1.001)	153520	49.3331	9.867
159 4-Chlorobenzotrifluoride	180	10.303	10.305	(1.007)	139135	48.6743	9.735
160 3-Chlorotoluene	126	11.805	11.807	(0.940)	123152	44.2998	8.860
161 2,4-Dichlorobenzotrifluoride	214	12.639	12.635	(1.006)	110972	47.5701	9.514
162 2,5-Dichlorobenzotrifluoride	214	12.687	12.683	(1.010)	130527	48.1681	9.634
163 3,4-Dichlorobenzotrifluoride	214	12.280	12.276	(0.978)	125263	47.7971	9.559
164 Dichlorotoluene(2,4+2,5+2,6)	125	13.886	13.882	(1.106)	630012	128.449	25.69
165 Dichlorotoluene(2,3+3,4)	125	14.300	14.302	(1.139)	444673	85.4171	17.08
166 1,3,5-Trichlorobenzene	180	13.953	13.949	(1.111)	164165	43.7620	8.752
167 2,3,6-Trichlorotoluene	159	16.033	16.041	(1.277)	99420	52.3578	10.47
168 2,4,5-Trichlorotoluene	159	15.906	15.901	(1.266)	109152	47.9929	9.598

QC Flag Legend

Q - Qualifier signal failed the ratio test.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	C8C220144	**Work Order #...:**	KJ3AQ1AC-MS	**Matrix.....:**	WG
MS Lot-Sample #:	C8C220144-012		KJ3AQ1AD-MSD		
Date Sampled...:	03/20/08	**Date Received..:**	03/22/08	**MS Run #.....:**	8088144
Prep Date.....:	03/28/08	**Analysis Date..:**	03/28/08		
Prep Batch #...:	8088227	**Analysis Time..:**	12:40		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	403419	**Instrument ID..:**	HP6		

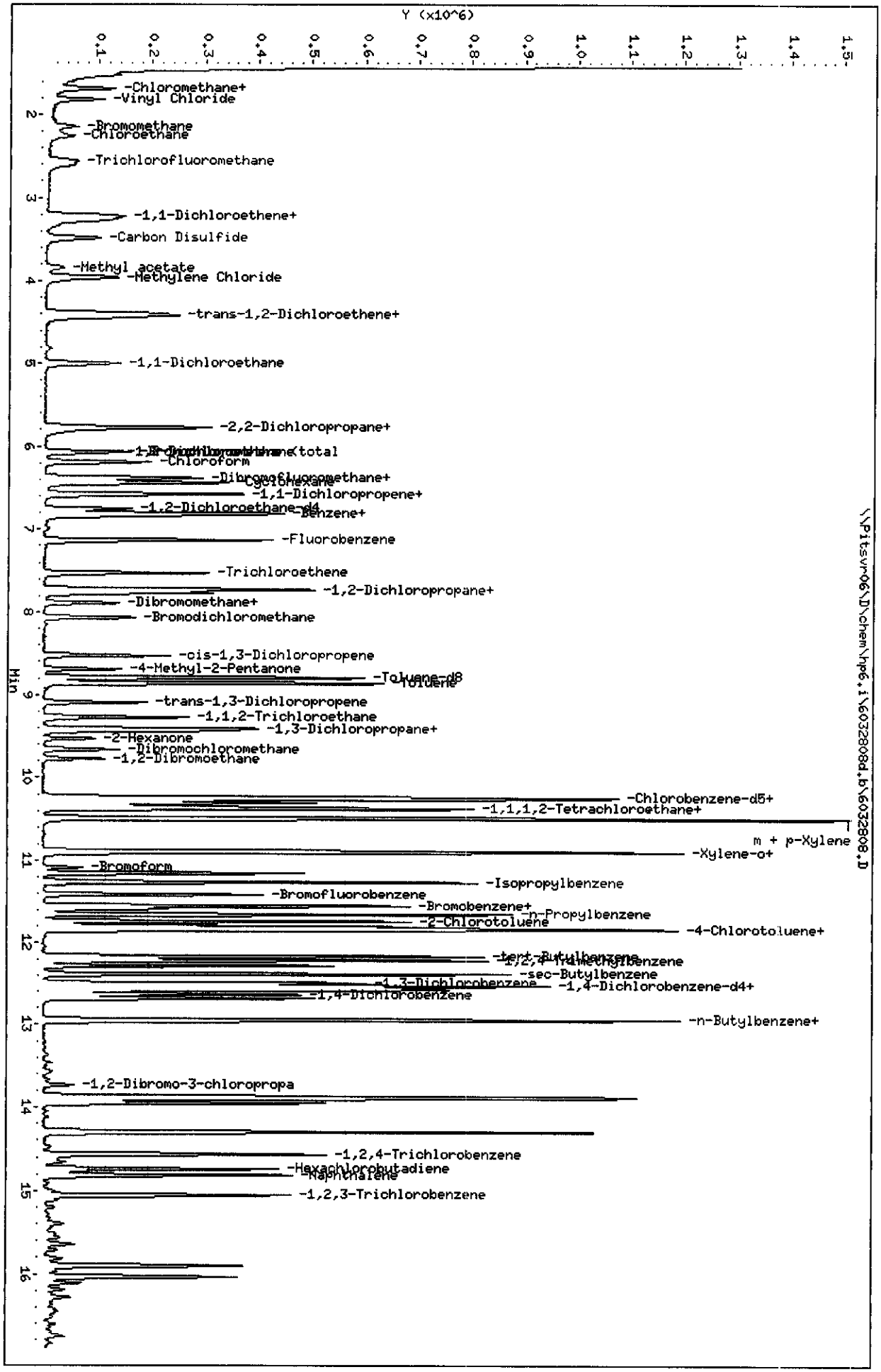
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**90**	**(73 - 120)**			**SW846 8260B**
	94	**(73 - 120)**	**4.6**	**(0-32)**	**SW846 8260B**
Chlorobenzene	**102**	**(80 - 120)**			**SW846 8260B**
	101	**(80 - 120)**	**0.78**	**(0-29)**	**SW846 8260B**
1,1-Dichloroethene	**86**	**(60 - 139)**			**SW846 8260B**
	91	**(60 - 139)**	**5.1**	**(0-48)**	**SW846 8260B**
Trichloroethene	**97**	**(53 - 135)**			**SW846 8260B**
	102	**(53 - 135)**	**4.8**	**(0-36)**	**SW846 8260B**
Toluene	**104**	**(75 - 126)**			**SW846 8260B**
	103	**(75 - 126)**	**1.2**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	108	(71 - 118)
	102	(71 - 118)
1,2-Dichloroethane-d4	87	(64 - 135)
	88	(64 - 135)
4-Bromofluorobenzene	90	(70 - 118)
	86	(70 - 118)
Dibromofluoromethane	93	(64 - 128)
	94	(64 - 128)

NOTE(S):

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

Bold print denotes control parameters



Data File: \\Pitsvr06\D\chem\hp6.i\60328808d.b\60328808.D
Date : 28-MAR-2008 12:40
Client ID: MW-03-032008 MS
Sample Info: c8c220141-012 ms 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 403419
Column diameter: 0.20

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032808.D
Lab Smp Id: kj3aq1aC Client Smp ID: MW-03-032008 MS
Inj Date : 28-MAR-2008 12:40
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220141-012 ms 5ml
Misc Info : kj3aq1aC,6032808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 13:30 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)	
*	46 Fluorobenzene	96	7.132	7.135	(1.000)	432752	50.0000		
*	69 Chlorobenzene-d5	119	10.235	10.238	(1.000)	100676	50.0000		(Q)
*	92 1,4-Dichlorobenzene-d4	152	12.559	12.562	(1.000)	174619	50.0000		
$	39 Dibromofluoromethane	113	6.378	6.381	(0.894)	97253	46.2656	9.253	
$	43 1,2-Dichloroethane-d4	65	6.755	6.752	(0.947)	128522	43.4171	8.683	
$	59 Toluene-d8	98	8.793	8.796	(0.859)	428567	53.7738	10.75	
$	80 Bromofluorobenzene	95	11.409	11.406	(0.908)	168893	45.0918	9.018	
	2 Chloromethane	50	1.688	1.690	(0.237)	160196	52.1561	10.43	
	3 Vinyl Chloride	62	1.821	1.818	(0.255)	130327	49.0614	9.812	
	4 Bromomethane	94	2.144	2.147	(0.301)	32835	43.0066	8.601	
	5 Chloroethane	64	2.253	2.262	(0.316)	46936	32.6835	6.537	
	6 Trichlorofluoromethane	101	2.570	2.560	(0.360)	113464	49.3892	9.878	
	1 Dichlorodifluoromethane	85	1.535	1.532	(0.215)	86687	60.5362	12.11	
	12 1,1-Dichloroethene	96	3.221	3.223	(0.452)	84013	43.2128	8.642	
	13 Acetone	43	3.336	3.339	(0.468)	33954	37.3033	7.461	
	15 Carbon Disulfide	76	3.482	3.491	(0.488)	248428	40.3921	8.078	
	18 Methylene Chloride	84	3.957	3.953	(0.555)	97907	42.2150	8.443	
	19 trans-1,2-Dichloroethene	96	4.389	4.391	(0.615)	103743	44.5282	8.906	
	20 Methyl tert-butyl ether	73	4.431	4.428	(0.621)	253857	41.8659	8.373	
	24 1,1-Dichloroethane	63	5.003	5.000	(0.701)	198275	44.1823	8.836	
	27 2,2-Dichloropropane	77	5.763	5.772	(0.808)	66954	34.8843	6.977	
	28 cis-1,2-dichloroethene	96	5.782	5.785	(0.811)	116248	46.8101	9.362	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M 29 1,2-Dichloroethene (total)	96				219991	91.3383	18.27
30 Bromochloromethane	128	6.068	6.064	(0.851)	51171	43.1137	8.622
31 2-Butanone	43	5.836	5.827	(0.818)	47081	38.1208	7.624
37 Chloroform	83	6.189	6.192	(0.868)	175505	42.6817	8.536
38 1,1,1-Trichloroethane	97	6.384	6.381	(0.895)	124671	38.0104	7.602
40 1,1-Dichloropropene	75	6.579	6.582	(0.922)	140099	44.1691	8.834
41 Carbon Tetrachloride	117	6.573	6.569	(0.922)	87931	34.1260	6.825
42 Benzene	78	6.810	6.813	(0.955)	405548	44.7793	8.956
45 1,2-Dichloroethane	62	6.840	6.837	(0.959)	160187	41.6536	8.331
47 Trichloroethene	130	7.534	7.531	(1.056)	118908	48.4425	9.688
49 1,2-Dichloropropane	63	7.765	7.768	(1.089)	122353	46.0660	9.213
50 Dibromomethane	93	7.887	7.889	(1.106)	59294	42.9635	8.592
53 Bromodichloromethane	83	8.063	8.060	(1.130)	122640	39.6259	7.925
57 cis-1,3-Dichloropropene	75	8.525	8.528	(1.195)	126166	37.4422	7.488
58 4-Methyl-2-Pentanone	43	8.690	8.692	(0.849)	109009	44.9277	8.986
60 Toluene	91	8.860	8.863	(0.866)	493026	52.1859	10.44
61 trans-1,3-Dichloropropene	75	9.091	9.094	(0.888)	99188	39.2668	7.853
63 1,3-Dichloropropane	76	9.438	9.441	(0.922)	164307	46.8479	9.370
64 1,1,2-Trichloroethane	97	9.268	9.276	(0.905)	97565	49.1047	9.821
65 Tetrachloroethene	164	9.407	9.410	(0.919)	94568	52.3481	10.47
66 2-Hexanone	43	9.529	9.526	(0.931)	73604	45.9585	9.192
67 Dibromochloromethane	129	9.653	9.660	(0.944)	82373	39.9255	7.985
68 1,2-Dibromoethane	107	9.772	9.769	(0.955)	86451	44.7905	8.958
70 Chlorobenzene	112	10.265	10.262	(1.003)	339542	51.0904	10.22
71 1,1,1,2-Tetrachloroethane	131	10.350	10.347	(1.011)	83626	39.2379	7.848
72 Ethylbenzene	106	10.375	10.378	(1.014)	186769	52.8173	10.56
73 m + p-Xylene	106	10.490	10.493	(1.025)	470188	105.131	21.03
74 Xylene-o	106	10.886	10.889	(1.064)	224467	50.7838	10.16
M 75 Xylenes (total)	106				694655	155.915	31.18
76 Styrene	104	10.898	10.901	(1.065)	379222	51.0147	10.20
77 Bromoform	173	11.080	11.089	(1.083)	40132	32.1804	6.436
78 Isopropylbenzene	105	11.257	11.260	(1.100)	575998	54.4323	10.89
79 Bromobenzene	156	11.555	11.558	(0.920)	135684	46.6542	9.331
81 n-Propylbenzene	120	11.664	11.667	(0.929)	175908	51.7788	10.36
82 2-Chlorotoluene	126	11.750	11.752	(0.936)	142715	48.6947	9.739
83 1,1,2,2-Tetrachloroethane	83	11.549	11.546	(0.920)	116241	44.5695	8.914
84 1,2,3-Trichloropropane	110	11.591	11.600	(0.923)	39257	48.3096	9.662
85 4-Chlorotoluene	126	11.859	11.856	(0.944)	161066	52.5186	10.50
86 1,3,5-Trimethylbenzene	105	11.841	11.844	(0.943)	508104	48.9151	9.783
87 tert-Butylbenzene	119	12.169	12.166	(0.969)	457056	49.2093	9.842
88 1,2,4-Trimethylbenzene	105	12.218	12.215	(0.973)	509370	48.3081	9.662
89 sec-Butylbenzene	105	12.388	12.385	(0.986)	658236	49.1428	9.828
90 4-Isopropyltoluene	119	12.528	12.531	(0.998)	572875	50.3822	10.08
91 1,3-Dichlorobenzene	146	12.498	12.495	(0.995)	289037	49.7110	9.942
93 1,4-Dichlorobenzene	146	12.583	12.586	(1.002)	296488	50.3711	10.07
94 n-Butylbenzene	91	12.942	12.945	(1.031)	528031	49.1753	9.835
95 1,2-Dichlorobenzene	146	12.960	12.957	(1.032)	265468	48.3167	9.663
96 1,2-Dibromo-3-chloropropane	157	13.739	13.736	(1.094)	15013	32.0195	6.404
97 1,2,4-Trichlorobenzene	180	14.566	14.569	(1.160)	183000	47.9703	9.594
98 Hexachlorobutadiene	225	14.743	14.746	(1.174)	92748	47.5371	9.507
99 Naphthalene	128	14.816	14.819	(1.180)	422804	49.0172	9.803
100 1,2,3-Trichlorobenzene	180	15.059	15.056	(1.199)	159508	47.4902	9.498
101 1,1,2-trichlorotrifluoroethane	101	3.269	3.266	(0.458)	85892	44.5071	8.901
102 Methyl acetate	43	3.841	3.838	(0.539)	77686	38.2412	7.648

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/L)
104 Cyclohexane	56	6.439	6.442	(0.903)	209035	40.1417	8.028
105 Methyl Cyclohexane	83	7.728	7.725	(1.084)	198028	45.9374	9.187
52 1,4-Dioxane	88	7.887	7.924	(1.106)	408	16.4674	3.293(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Pitsvr06\D\chem\hp6.i\60328088.b\6032809.D
Date : 28-MAR-2008 13:08
Client ID: MW-03-032008 MSD
Sample Info: c8c220141-012 msd 5ml
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp6.i
Operator: 403419
Column diameter: 0.20

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\Pitsvr06\D\chem\hp6.i\6032808d.b\6032809.D
Lab Smp Id: kj3aq1aD Client Smp ID: MW-03-032008 MSD
Inj Date : 28-MAR-2008 13:08
Operator : 403419 Inst ID: hp6.i
Smp Info : c8c220141-012 msd 5ml
Misc Info : kj3aq1aD,6032808d.b,8260ee.m,4-dwlistee.sub
Comment :
Method : \\Pitsvr06\D\chem\hp6.i\6032808d.b\8260ee.m
Meth Date : 28-Mar-2008 13:30 stumpm Quant Type: ISTD
Cal Date : 18-MAR-2008 16:32 Cal File: 1F60318.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwlistee.sub
Target Version: 4.14
Processing Host: PITPC-112

Concentration Formula: Amt * DF * 1/Vo*Vt * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
* 46 Fluorobenzene	96	7.134	7.135	(1.000)	377988	50.0000	
* 69 Chlorobenzene-d5	119	10.236	10.238	(1.000)	92685	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.560	12.562	(1.000)	162352	50.0000	
$ 39 Dibromofluoromethane	113	6.379	6.381	(0.894)	86384	47.0489	9.410
$ 43 1,2-Dichloroethane-d4	65	6.750	6.752	(0.946)	114091	44.1261	8.825
$ 59 Toluene-d8	98	8.794	8.796	(0.859)	375389	51.1623	10.23
$ 80 Bromofluorobenzene	95	11.410	11.406	(0.908)	149884	43.0403	8.608
2 Chloromethane	50	1.689	1.690	(0.237)	144440	53.8397	10.77
3 Vinyl Chloride	62	1.817	1.818	(0.255)	118474	51.0611	10.21
4 Bromomethane	94	2.139	2.147	(0.300)	29257	43.9391	8.788
5 Chloroethane	64	2.255	2.262	(0.316)	43470	34.6556	6.931
6 Trichlorofluoromethane	101	2.559	2.560	(0.359)	98457	49.0661	9.813
1 Dichlorodifluoromethane	85	1.525	1.532	(0.214)	84665	67.6902	13.54
12 1,1-Dichloroethene	96	3.204	3.223	(0.449)	77236	45.4823	9.096
13 Acetone	43	3.331	3.339	(0.467)	33902	42.6425	8.528
15 Carbon Disulfide	76	3.483	3.491	(0.488)	230135	42.8391	8.568
18 Methylene Chloride	84	3.958	3.953	(0.555)	85739	42.3245	8.465
19 trans-1,2-Dichloroethene	96	4.390	4.391	(0.615)	97701	48.0105	9.602
20 Methyl tert-butyl ether	73	4.420	4.428	(0.620)	238388	45.0103	9.002
24 1,1-Dichloroethane	63	5.004	5.000	(0.702)	179502	45.7942	9.159
27 2,2-Dichloropropane	77	5.771	5.772	(0.809)	61007	36.3913	7.278
28 cis-1,2-dichloroethene	96	5.777	5.785	(0.810)	105919	48.8303	9.766

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
M	29 1,2-Dichloroethene (total)	96				203620	96.8408	19.37
	30 Bromochloromethane	128	6.069	6.064	(0.851)	48428	46.7151	9.343
	31 2-Butanone	43	5.826	5.827	(0.817)	46990	43.5595	8.712
	37 Chloroform	83	6.185	6.192	(0.867)	160297	44.6312	8.926
	38 1,1,1-Trichloroethane	97	6.379	6.381	(0.894)	113598	39.6523	7.930
	40 1,1-Dichloropropene	75	6.580	6.582	(0.922)	123987	44.7529	8.950
	41 Carbon Tetrachloride	117	6.568	6.569	(0.921)	78903	35.0589	7.012
	42 Benzene	78	6.805	6.813	(0.954)	370773	46.8710	9.374
	45 1,2-Dichloroethane	62	6.842	6.837	(0.959)	144953	43.1533	8.631
	47 Trichloroethene	130	7.529	7.531	(1.055)	109068	50.8714	10.17
	49 1,2-Dichloropropane	63	7.766	7.768	(1.089)	109611	47.2477	9.450
	50 Dibromomethane	93	7.882	7.889	(1.105)	55299	45.8719	9.174
	53 Bromodichloromethane	83	8.058	8.060	(1.130)	107398	39.7267	7.945
	57 cis-1,3-Dichloropropene	75	8.527	8.528	(1.195)	114151	38.7846	7.757
	58 4-Methyl-2-Pentanone	43	8.691	8.692	(0.849)	103940	46.5320	9.306
	60 Toluene	91	8.851	8.863	(0.866)	448642	51.5821	10.32
	61 trans-1,3-Dichloropropene	75	9.099	9.094	(0.889)	88670	38.1294	7.626
	63 1,3-Dichloropropane	76	9.439	9.441	(0.922)	153335	47.4889	9.498
	64 1,1,2-Trichloroethane	97	9.275	9.276	(0.906)	85849	46.9332	9.387
	65 Tetrachloroethene	164	9.409	9.410	(0.919)	85550	51.4391	10.29
	66 2-Hexanone	43	9.530	9.526	(0.931)	70392	47.7424	9.548
	67 Dibromochloromethane	129	9.664	9.660	(0.944)	70637	37.1890	7.438
	68 1,2-Dibromoethane	107	9.774	9.769	(0.955)	81003	45.5862	9.117
	70 Chlorobenzene	112	10.267	10.262	(1.003)	310244	50.7067	10.14
	71 1,1,1,2-Tetrachloroethane	131	10.352	10.347	(1.011)	70740	36.0534	7.211
	72 Ethylbenzene	106	10.376	10.378	(1.014)	162777	50.0012	10.00
	73 m + p-Xylene	106	10.498	10.493	(1.026)	421538	102.380	20.48
	74 Xylene-o	106	10.887	10.889	(1.064)	202584	49.7845	9.957
M	75 Xylenes (total)	106				624122	152.164	30.43
	76 Styrene	104	10.905	10.901	(1.065)	341408	49.8875	9.978
	77 Bromoform	173	11.082	11.089	(1.083)	36635	31.9090	6.382
	78 Isopropylbenzene	105	11.258	11.260	(1.100)	532053	54.6144	10.92
	79 Bromobenzene	156	11.556	11.558	(0.920)	125829	46.5347	9.307
	81 n-Propylbenzene	120	11.666	11.667	(0.929)	160957	50.9577	10.19
	82 2-Chlorotoluene	126	11.751	11.752	(0.936)	128902	47.3048	9.461
	83 1,1,2,2-Tetrachloroethane	83	11.550	11.546	(0.920)	107204	44.2103	8.842
	84 1,2,3-Trichloropropane	110	11.593	11.600	(0.923)	37674	49.8646	9.973
	85 4-Chlorotoluene	126	11.860	11.856	(0.944)	150251	52.6939	10.54
	86 1,3,5-Trimethylbenzene	105	11.842	11.844	(0.943)	462726	47.9124	9.582
	87 tert-Butylbenzene	119	12.171	12.166	(0.969)	421036	48.7564	9.751
	88 1,2,4-Trimethylbenzene	105	12.213	12.215	(0.972)	456651	46.5805	9.316
	89 sec-Butylbenzene	105	12.384	12.385	(0.986)	623423	50.0605	10.01
	90 4-Isopropyltoluene	119	12.530	12.531	(0.998)	544390	51.4945	10.30
	91 1,3-Dichlorobenzene	146	12.499	12.495	(0.995)	259749	48.0492	9.610
	93 1,4-Dichlorobenzene	146	12.584	12.586	(1.002)	272464	49.7871	9.957
	94 n-Butylbenzene	91	12.943	12.945	(1.031)	506215	50.7057	10.14
	95 1,2-Dichlorobenzene	146	12.955	12.957	(1.031)	249721	48.8848	9.777
	96 1,2-Dibromo-3-chloropropane	157	13.740	13.736	(1.094)	14549	33.3744	6.675
	97 1,2,4-Trichlorobenzene	180	14.568	14.569	(1.160)	173534	48.9260	9.785
	98 Hexachlorobutadiene	225	14.744	14.746	(1.174)	89235	49.1924	9.838
	99 Naphthalene	128	14.817	14.819	(1.180)	410331	51.1655	10.23
	100 1,2,3-Trichlorobenzene	180	15.060	15.056	(1.199)	149794	47.9673	9.594
	101 1,1,2-trichlorotrifluoroethane	101	3.252	3.266	(0.456)	80217	47.5887	9.518
	102 Methyl acetate	43	3.836	3.838	(0.538)	75152	42.3536	8.471

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/L)
104 Cyclohexane	56	6.434	6.442	(0.902)	196938	43.2979	8.660
105 Methyl Cyclohexane	83	7.724	7.725	(1.083)	182485	48.4650	9.693
52 1,4-Dioxane	88	Compound Not Detected.					

GC/MS VOLATILE
MISCELLANEOUS

TestAmerica Pittsburgh — GCMS Volatile Run Log

Logbook ID: MV2663

Method:	Balance ID: 40019078	Inst ID: HP6	Analyst: KG/DLZ	Reviewed by:	Date:
8260b2L					

Standard:	Standard:	Standard:	Standard:	Standard:
VOA028408 BFB	VOA0298-08 VOA	VOA0298-08 SURR	VOA0290-08 MS/LCS	VOA0297-08 INT
Standard:	Standard:	Standard:	Standard:	Methanol Lot#:
VOA0271-08-C.A.	VOA0258-08 KETONES	VOA-0244-08 - ACETO	VOA0280-08 APIX	

Date		File ID	Lot No./Sample No.	Vol./Wt.	pH	TrayPos.	Pass/Fail	Comments	Residual Chlorine Yes/No (624)
3/18/08	1.	BF60318	BFB	1µl				Chlo Bad	
	2.	CF60318	BFB	1µl			✓	0545	
	3.	CC60318	VStd10	5ml			x	1,1DCE↑	
	4.	AC60318	APPIX10	5ml			✓	SHORT LIST	
	5.	CC60318B	VSTD10	5ml			x	1,1-DCE↑	
	6.	New purge tube							
	7.	BF60318B	BFB	1µl			✓	08:05	
	8.	CC60318C	VSTD10	5ml			x	1,1-DCE↑	
	9.	AC60318B	APPIX10	5ml			x	TRANS 1,2 --- COU	
	10.	NEW TRAP ON ECLIPSE, new septa, clean liner + new "O" ring, BFB TUNE EM 19							
	11.	WU60318	WU10	5ml					
	12.	BF60318C	BFB	1µl			x	176✓	
	13.	BF60318D	BFB	1µl			x	175↓0	
	14.	BF60318E	BFB	1µl			x	176↓ 175↓	
	15.	BFB TUNE AGAIN - SWITCH TO FILAMENT #2.					EM	1894	
	16.	BF60318F	BFB	1µl				175↓-NONE	
	17.	change peak width to 0.53 - BFB mvt							
	18.	BF60318G	BFB	1µl			✓	13:55	
	19.	IA60318	VSTD10 DX 3/18/08	5ml			✓		
	20.	IB60318	VSTD5	5ml			✓		
	21.	IC60318	VSTD10	5ml			✓		
	22.	ID60318	VSTD15	5ml			✓		
		IE60318	VSTD20	5ml			✓		
		IF60318	VSTD40	5ml			✓	16:32	

(1) Internal outside QC limits (2) Surrogate outside control limits

TestAmerica Pittsburgh

GCMS Volatile Run Log

Logbook ID: MV2663

Method:	Balance ID: 40019078	Inst ID:	Analyst:	Reviewed by:	Date:
8260bLL		HP6	NZ		

Standard:	Standard:	Standard:	Standard:	Standard:
BFB	VOA	SURR	MS/LCS	INT

Standard:	Standard:	Standard:	Standard:	Methanol Lot#:
w page 9				

Date	File ID	Lot No./Sample No.	Vol./Wt.	pH	TrayPos.	Pass/Fail	Comments	Residual Chlorine Yes/No (624)
3/18/08	1. 60318001	blank	5ml					
	2. 60318002	VERIFICATION 10	5ml				17:27	
	3.							
	4.							
	5.							
	6.							
	7.							
	8.							
	9.							
	10.							
	11.							
	12.							
	13.							
	14.							
	15.							
	16.							
	17.							
	18.							
	19.							
	20.							
	21.							
	22.							

NZ 3/18/08

(1) Internal outside QC limits (2) Surrogate outside control limits

C8C220144

TestAmerica Pittsburgh

GCMS Volatile Run Log

Logbook ID: MV2663

Method: 8260B(LL)	Balance ID: 40019078	Inst ID: HP6	Analyst: DJL & MMS	Reviewed by:	Date:
Standard: VVA0284-08 BFB	Standard: VVA0344-08 VOA	Standard: VVA0298-08 SURR	Standard: VVA0345-08 MS/LCS	Standard: VVA0247-08 INT	
Standard: VVA0258-08 Ketones	Standard: VOA0271-08 C.A.	Standard: VIA 317-08 APPIX	Standard: VVA-281-08 VA	Methanol Lot#:	

Date	File ID	Lot No./Sample No.	Vol./Wt.	pH	TrayPos.	Pass/Fail	Comments	Residual Chlorine Yes/No (624)
3/24/08	1. BA6328	BFB	1ul				07:28	
	2. CC6328	VSTD10	5ml				1.1 ICE ✓	
	3. IC6328	VSTD10	5ml				✓	
	4. AP6328	APPIX10	5ml				✓	
	5. 632801	VBLK	5ml				✓	
	6. 632802	C8C220144-001	5ml	1			✓	
	7. 03	-002	5ml	1			✓	
	8. 04	-003	5ml	1			✓	
	9. 05	-004	5ml	1			✓	
	10. 632806	-012	5ml	1			✓	
	11. 07	BLKMS					✓	
	12. 08	C8C220141-012MS		1			✓	
	13. 09	-012MSD		1			✓	
	14. 10	C8C250187-007(12.5X)	(2.0mL/25mL)/5mL	1			✓	
	15. 11	C8C220156-007(10X)	(2.5mL/25mL)/5mL	1			✓	
	16. 12	-009(3X)	(8.33mL/25mL)/5mL	1			No dilut Run St	
	17. 13	-012(50X)	(500uL/25mL)/5mL	1			✓	
	18. 14	-013(200X)	(125uL/25mL)/5mL	1			✓	
	19. 15	C8C220144-005	5mL	1			✓	
	20. 16	-006		1			✓	
	21. 17	-007		1			✓ 16:51	
	22. 18	-008		1			Didut Run	

(1) Internal outside QC limits (2) Surrogate outside control limits

1206

(1001 - 1209)

printed on: 03-Mar-08 10:08:00 AM

C8C220144

TestAmerica Pittsburgh

GCMS Volatile Run Log

Logbook ID: MV2663

Method:	Balance ID: 40019078	Inst ID: HP6	Analyst:	Reviewed by:	Date:
8260BLLW			MMS	46	3/31/08

Standard:	Standard:	Standard:	Standard:	Standard:
VOA0284-08 BFB	VOA0345-08 VOA	VOA0298-08 SURR	VOA0345-08 MS/LCS	VOA0297-08 INT
Standard: C.A. VOA0271-08	Standard: ketones VOA0258-08	Standard:	Standard:	Methanol Lot#:

Date	File ID	Lot No./Sample No.	Vol./Wt.	pH	TrayPos.	Pass/Fail	Comments	Residual Chlorine Yes/No (624)
3/29/08	1. BF60329	BFB	1mL				176↓	
	2. AF50329	BFB	1mL				✓ 11:12	
	3. CC60329	VSTD10	5mL				①↓	
	4. IC60329	Appix10					✓ 1,4 Dioxane	
	5. AC60329	VSTD10					✓	
	6. 60329001	VBLK					✓	
	7. 002	C8C250238-002		1			✓	
	8. 003	↓ -001		1			✓	
	9. 004	BLKMS					✓	
	10. 005	C8C250238-002MS		1			✓	
	11. 006	↓ -002MSD		1			✓	
	12. 007	C8C220144-010		1			✓	
	13. 008	-008		1			✓	
	14. 009	-009		1			✓	
	15. 010	-011		1			✓	
	16. 011	↓ -013		1		✓	✓	
	17. 012	C8C220156-009		1		✓		
	18. 013	-014(50x)	(50uL/25mL)/5mL	1		✓		
	19. 014	-015	5mL	1		✓		
	20. 015	-016(1000x)	(25uL/25mL)/5mL	1			~~for~~ dil thy 5x	
	21. 016	↓ -017 (40x)	pkd 3/31/08 2.5mL/25mL 5mL	1		✓		
	22. 017	C8C250238-003	↓	1			ARCHIVE STOPPED	

(1) Internal outside QC limits (2) Surrogate outside control limits

1207

(1001 - 1209)

C8C220144

TestAmerica Pittsburgh

GCMS Volatile Run Log

Logbook ID: MV2663

Method:	Balance ID: 40019078	Inst ID:	Analyst:	Reviewed by:	Date:
8260BLLW		HP6	MMS	KG	3/31/08

Standard:	Standard:	Standard:	Standard:	Standard:
See Page 32 **BFB**	**VOA**	**SURR**	**MS/LCS**	**INT**
Standard:	Standard:	Standard:	Standard:	Methanol Lot#:

Date	File ID	Lot No./Sample No.	Vol./Wt.	pH	TrayPos.	Pass/Fail	Comments	Residual Chlorine Yes/No (624)
3/29/08	1. 60329018	C8C250238-004	5mL	1				
	2. 019	-005	↓	1				
	3. 020	BLK						
	4. 021	C8C250238-006		1				
	5. 022	-007		1				
	6. 023	-008	↓	1				
	7. 024	C8C270249-001(50x)	(500uL/25mL)/5mL	1				
	8. 025	-002	5mL	1				
	9. 026	BLK	↓					
	10. ↓ 027	BLK	↓					
	11.							
	12.							
	13.							
	14.							
	15.							
	16.						MMS 3/29/08	
	17.							
	18.							
	19.							
	20.							
	21.							
	22.							

(1) Internal outside QC limits (2) Surrogate outside control limits

1208

(1001 - 1209)

REQUESTED BY: **GORDONK**

METHOD: QK Volatile Organics, GC/MS (8260B)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD	
7C,CLP1	KJ29C-1-AA	___ ___ ___	439190	061874	I-25-QK C8C220144	001		WATER	0	4	1
7C,CLP1	KJ29W-1-AA	___ ___ ___	439191	061874	I-25-QK C8C220144	002		WATER	0	4	1
7C,CLP1	KJ290-1-AA	___ ___ ___	439192	061874	I-25-QK C8C220144	003		WATER	0	4	1
7C,CLP1	KJ293-1-AA	___ ___ ___	439193	061874	I-25-QK C8C220144	004		WATER	0	4	1
7C,CLP1	KJ297-1-AA	___ ___ ___	439194	061874	I-25-QK C8C220144	005		WATER	0	4	1
7C,CLP1	KJ299-1-AA	___ ___ ___	439195	061874	I-25-QK C8C220144	006		WATER	0	4	1
7C,CLP1	KJ3AD-1-AA	___ ___ ___	439196	061874	I-25-QK C8C220144	007		WATER	0	4	1
7C,CLP1	KJ3AG-1-AA	___ ___ ___	439197	061874	I-25-QK C8C220144	008		WATER	0	4	1
7C,CLP1	KJ3AJ-1-AA	___ ___ ___	439198	061874	I-25-QK C8C220144	009		WATER	0	4	1
7C,CLP1	KJ3AK-1-AA	___ ___ ___	439199	061874	I-25-QK C8C220144	010		WATER	0	2	1
7C,CLP1	KJ3AM-1-AA	___ ___ ___	439200	061874	I-25-QK C8C220144	011		WATER	0	4	1
7C,CLP1	KJ3AQ-1-AA	___ ___ ___	439201	061874	I-25-QK C8C220144	012		WATER	0	12	1
7C,CLP1	KJ3AR-1-AA	___ ___ ___	439202	061874	I-25-QK C8C220144	013		WATER	0	4	1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
CLP1	Patrick Flynn	3/28/08 6:59
Patrick Flynn	Megan Stump	3/28/08 12:08
Megan Stump	CLP1	3/28/08 16:00
CLP1	Megan Stump	3/29/08 10:45
Megan Stump	CLP1	3/29/08 17:00

***** END OF REPORT *****

METALS DATA

METALS
RESULTS

ENSR International

Client Sample ID: MW-4S-032008

TOTAL Metals

Lot-Sample #...: C8C220144-001 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ29C1AC
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-4D-032008

TOTAL Metals

Lot-Sample #...: C8C220144-002 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	5.6	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ29W1AC
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-5S-032008

TOTAL Metals

Lot-Sample #...: C8C220144-003 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ2901AC
		Dilution Factor: 1		Analysis Time..: 19:20	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-5D-032008

TOTAL Metals

Lot-Sample #...: C8C220144-004 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ2931AC
		Dilution Factor: 1		Analysis Time..: 19:26	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-1S-032008

TOTAL Metals

Lot-Sample #...: C8C220144-005 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	4.3	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ2971AC
		Dilution Factor: 1		Analysis Time..: 19:31	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: SUMP-032008

TOTAL Metals

Lot-Sample #...: C8C220144-006 Matrix.....: WS
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	6.9	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ2991AC
		Dilution Factor: 1		Analysis Time..: 19:37	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-6D-032008

TOTAL Metals

Lot-Sample #...: C8C220144-007 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	8.1	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ3AD1AC
		Dilution Factor: 1		Analysis Time..: 19:53	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-02-032008

TOTAL Metals

Lot-Sample #...: C8C220144-008 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	3.0	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ3AG1AC
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-02-032008 DUP

TOTAL Metals

Lot-Sample #...: C8C220144-009 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	7.5	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ3AJ1AC
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: PZ-06-032008

TOTAL Metals

Lot-Sample #...: C8C220144-011 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ3AM1AC
		Dilution Factor: 1		Analysis Time..: 20:10	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: MW-03-032008

TOTAL Metals

Lot-Sample #...: C8C220144-012 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	7.5	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ3AQ1AE
		Dilution Factor: 1		Analysis Time..: 20:27	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

ENSR International

Client Sample ID: PZ-07-032008

TOTAL Metals

Lot-Sample #...: C8C220144-013 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8086241						
Lead	15.1	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ3AR1AC
		Dilution Factor: 1		Analysis Time..: 20:49	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 8086121	MDL.....: 2.4	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C8C220144 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C8C260000-241 **Prep Batch #...:** 8086241						
Lead	ND	3.0	ug/L	SW846 6010B	03/26-04/09/08	KJ7RQ1AA

Dilution Factor: 1

Analysis Time..: 18:58 Analyst ID.....: 022952 Instrument ID..: TRA

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C8C220144 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C8C260000-241 Prep Batch #...: 8086241					
Lead	101	(80 - 120)	SW846 6010B	03/26-04/09/08	KJ7RQ1AC

Dilution Factor: 1 Analysis Time..: 19:04 Analyst ID.....: 022952
Instrument ID..: TRACEICP

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C8C220144 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C8C260000-241 **Prep Batch #...:** 8086241							
Lead	500	506	ug/L	101	SW846 6010B	03/26-04/09/08	KJ7RQ1AC

Dilution Factor: 1 Analysis Time..: 19:04 Analyst ID.....: 022952
Instrument ID..: TRACEICP

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C8C220144 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C8C220144-012 Prep Batch #...: 8086241							
Lead	100	(75 - 125)			SW846 6010B	03/26-04/09/08	KJ3AQ1AF
	101 *	(75 - 125)	65	(0-20)	SW846 6010B	03/26-04/09/08	KJ3AQ1AG

Dilution Factor: 1
Analysis Time..: 20:38 Instrument ID..: TRACEICP Analyst ID.....: 022952
MS Run #.....: 8086121

NOTE(S):

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

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C8C220144 Matrix.....: WG
Date Sampled...: 03/20/08 Date Received..: 03/22/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C8C220144-012 Prep Batch #...: 8086241									
Lead									
	7.5	1000	1010	ug/L	100		SW846 6010B	03/26-04/09/08	KJ3AQ1AF
	7.5	500	515 *	ug/L	101	65	SW846 6010B	03/26-04/09/08	KJ3AQ1AG

Dilution Factor: 1
Analysis Time..: 20:38 Instrument ID..: TRACEICP Analyst ID.....: 022952
MS Run #.....: 8086121

NOTE(S):

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

* Relative percent difference (RPD) is outside stated control limits.

TestAmerica Pittsburgh

Metals Data Reporting Form

Initial Calibration Verification Standar

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** MET1113-08

Element	WL/ Mass	True Conc	ICV1-1 4/9/2008 6:54 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Lead	220.353	250.0	250.47	**100.2**								

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** MET1613-08

Element	WL/ Mass	True Conc	CCV1-1 4/9/2008 8:01 AM Found	% Rec	CCV1-2 4/9/2008 9:07 AM Found	% Rec	CCV1-3 4/9/2008 10:13 AM Found	% Rec	CCV1-4 4/9/2008 11:20 AM Found	% Rec	CCV1-5 4/9/2008 12:26 PM Found	% Rec
Lead	220.353	500.0	499.60	**99.9**	499.72	**99.9**	497.31	**99.5**	501.33	**100.3**	490.21	**98.0**

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** MET1613-08

Element	WL/ Mass	True Conc	CCV1-6 4/9/2008 1:39 PM Found	% Rec	CCV1-7 4/9/2008 2:45 PM Found	% Rec	CCV1-8 4/9/2008 3:51 PM Found	% Rec	CCV1-9 4/9/2008 4:57 PM Found	% Rec	CCV1-10 4/9/2008 6:03 PM Found	% Rec
Lead	220.353	500.0	493.45	**98.7**	496.41	**99.3**	495.88	**99.2**	495.41	**99.1**	496.89	**99.4**

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** MET1613-08

Element	WL/ Mass	True Conc	CCV1-11 4/9/2008 7:09 PM Found	% Rec	CCV1-12 4/9/2008 8:15 PM Found	% Rec	CCV1-13 4/9/2008 9:22 PM Found	% Rec	Found	% Rec	Found	% Rec
Lead	220.353	500.0	500.48	**100.1**	501.43	**100.3**	501.08	**100.2**				

TestAmerica Pittsburgh

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC **Acceptable Range:** 50% - 150%

Standard Source: Inorganic Ventures **Standard ID:** MET0876-08

Element	WL/ Mass	True Conc	CRA/RLV 4/9/2008 7:06 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Lead	220.353	3.0	3.36	**112.0**								

TestAmerica Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB1 4/9/2008 7:01 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Lead	220.353	3	2.4	U								

5.04.5

U Result is less than the MDL

B Result is between MDL and RL

Form 3 Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB1 4/9/2008 8:07 AM Found	Q	CCB2 4/9/2008 9:13 AM Found	Q	CCB3 4/9/2008 10:19 AM Found	Q	CCB4 4/9/2008 11:26 AM Found	Q	CCB5 4/9/2008 12:32 PM Found	Q
Lead	220.353	3	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U

U Result is less than the MDL

B Result is between MDL and RL

Form 3 Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB6 4/9/2008 1:44 PM Found	Q	CCB7 4/9/2008 2:50 PM Found	Q	CCB8 4/9/2008 3:56 PM Found	Q	CCB9 4/9/2008 5:02 PM Found	Q	CCB10 4/9/2008 6:09 PM Found	Q
Lead	220.353	3	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U

U Result is less than the MDL

B Result is between MDL and RL

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB11 4/9/2008 7:15 PM Found	Q	CCB12 4/9/2008 8:21 PM Found	Q	CCB13 4/9/2008 9:27 PM Found	Q	Found	Q	Found	Q
Lead	220.353	3	2.4	U	2.4	U	2.4	U				

U Result is less than the MDL

B Result is between MDL and RL

TestAmerica Pittsburgh

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC **Acceptable Range:** 0% - 0%

Standard Source: Inorganic Ventures **Standard ID:** MET1584-08

Element	WL/ Mass	Reporting Limit	True Conc	ICSA 4/9/2008 7:12 AM Found	Found	Found	Found	Found
Lead	220.353	3		1				

5.04.5

U Result is less than the MDL

B Result is between MDL and RL

Form 4 Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Interference Check Standard AB

Instrument: ICPST **Units:** ug/L

Chart Number: T80409A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Inorganic Ventures **Standard ID:** MET0338-08

Element	WL/ Mass	True Conc	ICSAB 4/9/2008 7:17 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Lead	220.353	1000	964.4	96.4								

5.04.5

U Result is less than the MDL
B Result is between MDL and RL
N Spike recovery failed

Form 4 Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: KJ3AQP

Original Sample ID: KJ3AQ **Client ID:** MW-03-032008P

Matrix: Water **Units:** ug/L **Prep Date:** 3/26/2008 **Prep Batch:** 8086241

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Lead	220.353	7.5		12.0	U	100.0	1	5	ICPST	4/9/2008	20:27	4/9/2008	20:32

Comments:

5.04.5

U Result is less than the MDL
B Result is between MDL and RL
E Serial dilution percent difference not within limits

Form 9 Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICPST **Units:** ppb

Element	Wavelength	Reporting Limit	MDL	Date of MDL
Lead	220.353	3.0	2.4	3/23/2007

TestAmerica Pittsburgh

Metals Data Reporting Form

Inter-Element Correction Factors

Instrument: ICPST **Date of IEC's:** 10/14/2007

Interfering Element	Wavelength /Mass	Correction Factor(s)
Aluminum	308.215	Pb(-0.000336)
Aluminum	308.215	Pb(0.000498)
Chromium	267.716	Sb(0.008375)
Chromium	267.716	As(-0.002847), Sb(0.012099)
Cobalt	228.616	Cd(-0.000098), Fe(0.090111), Ni(-0.000471), Pb(-0.000731), Se(0.000378), Tl(0.004014)
Cobalt	228.616	Pb(0.000042), Se(-0.000326)
Iron	271.441	Cd(0.000082), Cr(-0.000009), Na(-0.011566), Pb(0.000089), Sb(0.000021), Se(-0.000013), Tl(-0.00013), V(-0.000271), Zn(0.000087)
Iron	271.441	Pb(0.000042), Sb(0.000023), Se(-0.000292)
Magnesium	279.078	Fe(-0.000281)
Manganese	257.61	Se(0.000539), Tl(0.001164)
Manganese	257.61	Se(0.000576)
Molybdenum	202.03	Pb(-0.000813), Sb(-0.009637)
Molybdenum	202.03	Al(0.01059), As(-0.001358), Pb(-0.000487), Sb(-0.001417), Tl(-0.007702)
Nickel	231.604	Pb(0.000257), Sb(-0.001089), Zn(0.004482)
Nickel	231.604	Pb(0.000128)
Tin	189.989	Sb(-0.005288)
Titanium	334.941	Co(0.002027), Pb(0.000259), Sb(0.001213), Tl(0.000642)
Titanium	334.941	Pb(-0.000615)
Vanadium	292.402	Al(0.019082), Be(-0.009777), Cr(-0.000128), Fe(0.007919), Sb(-0.008365), Se(0.000252), Tl(0.002533)
Vanadium	292.402	Pb(-0.000425)

TestAmerica Pittsburgh

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: ICPST **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Lead	220.35	5000	1/8/2008

METALS
RAW DATA

C8C220144

Reviewed 4/10/08

#	Sample Name	PB
1	STD1	
2	STD2	
3	STD3	
4	STD4	
5	ICV1-1 MET1113-08	.25047
6	ICB1	.00013
7	CRA/RLV MET0876-08	.00336
8	ICSA MET1584-08	.00057
9	ICSAB MET0338-08	.96440
10	KJRXR	.14419
11	KJRXT/2 Mn	.10753
12	KJRXV	.15304
13	KJRXD/2 Mn	.05836
14	KJRXDP10 Mn	.01370
15	KJRXDS/2 Mn	.26902
16	KJRXDD/2 Mn	.26002
17	CCV1-1 MET1613-08	.49960
18	CCB1	.00016
19	KKT94B	.00027
20	KKT94C	.49608
21	KJWF0	.05697
22	KJWF1	.02897
23	KJWFP	.22420
24	KJWFPP5	.05110
25	KJWFPS	.64029
26	KJWFPD	.63417
27	KJWFQ	.82422
28	KJWFR	.14476
29	CCV1-2	.49972
30	CCB2	-.00018
31	KJWFV	.18261
32	KJWFW	.01858
33	KJWFX	1.4547
34	KJWFX/2 Int Std	.84907
35	KJ7PQB	-.00017
36	KJ7PQC	.51325
37	KJ209	.00014
38	KJ20D	.00143
39	KJ21C	.00005
40	KJ21D	-.00027
41	CCV1-3	.49731
42	CCB3	.00008
43	KJ21E	-.00009
44	KJ21F	-.00017
45	KJ21FP5	.00030
46	KJ21FS	.50834
47	KJ21FD	.50166
48	KJ21H	.00064
49	KJ21J	.00014
50	KJ21K	-.00003
51	KJ21L	.00014
52	KJ21M	.00053
53	CCV1-4	.50133

#	Sample Name	PB
54	CCB4	.00066
55	KJXQ6	.00317
56	KJXQ7	.00775
57	KJXQR	.00139
58	KJXTL	.00440
59	KJXTM	.00780
60	KJXTP	.00421
61	KKG2PB	.00014
62	KKG2PC	.48817
63	KJ6H1	.00055
64	KJ70V	.00086
65	CCV1-5	.49021
66	CCB5	-.00010
67	KKD82	.00010
68	KKD83	.00074
69	KKD84	.00084
70	KKD85	.00045
71	KKD86	.00008
72	KKD8R	-.00005
73	KKD8RP5	.00035
74	KKD8RS	.49776
75	KKD8RD	.48836
76	KKD9D	.00048
77	CCV1-6	.49345
78	CCB6	.00032
79	KKD9E	.00060
80	KKTXFBT	.00067
81	KKTXFCT	.49596
82	KKTXFLT	.49696
83	KKN8XT/10 Prep Dil	.17173
84	KKN8XP50T Prep Dil	.03458
85	KKTXVB	.00036
86	KKTXVC	.50219
87	KKNHN	-.00025
88	KKNHNP5	.00024
89	CCV1-7	.49641
90	CCB7	.00079
91	KKNHNS	.48802
92	KKNHND	.48592
93	KKNHX	.00032
94	KKPP7	-.00066
95	KKPP8	.00058
96	KKPP9	.00048
97	KKQ6V	.00042
98	KKQP5	.00191
99	KKQPP	.00143
100	KKTXMBF	.00077
101	CCV1-8	.49588
102	CCB8	.00024
103	KKTXMCF	.49977
104	KKNHNF	-.00024
105	KKNHNP5F	-.00002
106	KKNHNSF	.49238
107	KKNHNDF	.48962

#	Sample Name	PB
108	KKNHXF	.00052
109	KKNR5B	-.00020
110	KKNR5C	.49548
111	KKLW2	-.00012
112	KKLW5 (6010B)	.00004
113	CCV1-9	.49541
114	CCB9	.00013
115	KKLWJ	.00040
116	KKLWJP5	.00083
117	KKLWJS	.50310
118	KKLWJD	.49763
119	KKNTNB	.00065
120	KKNTNC	.49434
121	KKLW5 (200.7)	.00002
122	KKLWW	.00153
123	KKLWWP5	.00063
124	KKLWWS	.50361
125	CCV1-10	.49689
126	CCB10	.00055
127	KKLWWD	.51733
128	KKNQ4BF	.00000
129	KKNQ4CF	.51826
130	KKLW2F	.00019
131	KKLW2P5F	.00011
132	KKLW2SF	.51486
133	KKLW2DF	.49867
134	KKLW5F	-.00037
135	KJ7RQB	.00008
136	KJ7RQC	.50552
137	CCV1-11	.50048
138	CCB11	.00020
139	KJ290	.00206
140	KJ293	.00097
141	KJ297	.00430
142	KJ299	.00690
143	KJ29C	.00118
144	KJ29W	.00557
145	KJ3AD	.00810
146	KJ3AG	.00305
147	KJ3AJ	.00752
148	KJ3AM	.00100
149	CCV1-12	.50143
150	CCB12	.00083
151	KJ3AQ	.00746
152	KJ3AQP5	.00178
153	KJ3AQS	1.0109
154	KJ3AQD	.51451
155	KJ3AR	.01508
156	KKNFG (200.7)	.00008
157	KKNHT	.00069
158	KKLNM Tl Rerun	.00064
159	KKLNP Tl Rerun	.00171
160	KKP58BF	-.00017
161	CCV1-13	.50108

#	Sample Name	PB
162	CCB13	-.00022
163	KKP58CF	.50446
164	KKP58LF	.50898
165	KKLNMF	-.00039
166	KKLNMP5F	.00043
167	KKLNPF	.00010
168	KKLNRF	.00004
169	KKP46B	.00137
170	KKP46C	.50588
171	KKNFG (6010B)	.00005
172	KKNFW	-.00019
173	CCV1-14	.49805
174	CCB14	.00020
175	KKN26/2	-.00059
176	KKN26P10	-.00050
177	KKN26S/2	.25792
178	KKN26D/2	.23754
179	KKN27/2	-.00225
180	KKN26/5	-.00076
181	KKN26P25	-.00043
182	KKN26S/5	.10575
183	KKN26D/5	.10355
184	KKN27/5	-.00115
185	CCV1-15	.50201
186	CCB15	-.00050

R16 41008

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD1	T80409A	METTRACE	04/09/08	06:32		X	IR
2	STD2	T80409A	METTRACE	04/09/08	06:38		X	IR
3	STD3	T80409A	METTRACE	04/09/08	06:43		X	IR
4	STD4	T80409A	METTRACE	04/09/08	06:49		X	IR
5	ICV1-1 MET1113-08	T80409A	METTRACE	04/09/08	06:54	RJG	S	CONC
6	ICB1	T80409A	METTRACE	04/09/08	07:01	RJG	S	CONC
7	CRA/RLV MET0876-08	T80409A	METTRACE	04/09/08	07:06	RJG	S	CONC
8	ICSA MET1584-08	T80409A	METTRACE	04/09/08	07:12	RJG	Q	CONC
9	ICSAB MET0338-08	T80409A	METTRACE	04/09/08	07:17	RJG	Q	CONC
10	KJRXR	T80409A	METTRACE	04/09/08	07:23	RJG	S	CONC
11	KJRXT/2 Mn	T80409A	METTRACE	04/09/08	07:28	RJG	S	CONC
12	KJRXV	T80409A	METTRACE	04/09/08	07:34	RJG	S	CONC
13	KJRXD/2 Mn	T80409A	METTRACE	04/09/08	07:39	RJG	S	CONC
14	KJRXDP10 Mn	T80409A	METTRACE	04/09/08	07:45	RJG	S	CONC
15	KJRXDS/2 Mn	T80409A	METTRACE	04/09/08	07:50	RJG	S	CONC
16	KJRXDD/2 Mn	T80409A	METTRACE	04/09/08	07:56	RJG	S	CONC
17	CCV1-1 MET1613-08	T80409A	METTRACE	04/09/08	08:01	RJG	S	CONC
18	CCB1	T80409A	METTRACE	04/09/08	08:07	RJG	S	CONC
19	KKT94B	T80409A	METTRACE	04/09/08	08:12	RJG	S	CONC
20	KKT94C	T80409A	METTRACE	04/09/08	08:18	RJG	S	CONC
21	KJWF0	T80409A	METTRACE	04/09/08	08:23	RJG	S	CONC
22	KJWF1	T80409A	METTRACE	04/09/08	08:29	RJG	S	CONC
23	KJWFP	T80409A	METTRACE	04/09/08	08:34	RJG	S	CONC
24	KJWFPP5	T80409A	METTRACE	04/09/08	08:40	RJG	S	CONC
25	KJWFPS	T80409A	METTRACE	04/09/08	08:45	RJG	S	CONC
26	KJWFPD	T80409A	METTRACE	04/09/08	08:51	RJG	S	CONC
27	KJWFQ	T80409A	METTRACE	04/09/08	08:56	RJG	S	CONC
28	KJWFR	T80409A	METTRACE	04/09/08	09:02	RJG	S	CONC
29	CCV1-2	T80409A	METTRACE	04/09/08	09:07	RJG	S	CONC
30	CCB2	T80409A	METTRACE	04/09/08	09:13	RJG	S	CONC
31	KJWFV	T80409A	METTRACE	04/09/08	09:18	RJG	S	CONC
32	KJWFW	T80409A	METTRACE	04/09/08	09:24	RJG	S	CONC
33	KJWFX	T80409A	METTRACE	04/09/08	09:29	RJG	S	CONC
34	KJWFX/2 Int Std	T80409A	METTRACE	04/09/08	09:35	RJG	S	CONC
35	KJ7PQB	T80409A	METTRACE	04/09/08	09:40	RJG	S	CONC
36	KJ7PQC	T80409A	METTRACE	04/09/08	09:46	RJG	S	CONC
37	KJ209	T80409A	METTRACE	04/09/08	09:51	RJG	S	CONC
38	KJ20D	T80409A	METTRACE	04/09/08	09:57	RJG	S	CONC
39	KJ21C	T80409A	METTRACE	04/09/08	10:02	RJG	S	CONC
40	KJ21D	T80409A	METTRACE	04/09/08	10:08	RJG	S	CONC
41	CCV1-3	T80409A	METTRACE	04/09/08	10:13	RJG	S	CONC
42	CCB3	T80409A	METTRACE	04/09/08	10:19	RJG	S	CONC
43	KJ21E	T80409A	METTRACE	04/09/08	10:25	RJG	S	CONC
44	KJ21F	T80409A	METTRACE	04/09/08	10:31	RJG	S	CONC
45	KJ21FP5	T80409A	METTRACE	04/09/08	10:36	RJG	S	CONC
46	KJ21FS	T80409A	METTRACE	04/09/08	10:42	RJG	S	CONC
47	KJ21FD	T80409A	METTRACE	04/09/08	10:47	RJG	S	CONC
48	KJ21H	T80409A	METTRACE	04/09/08	10:53	RJG	S	CONC
49	KJ21J	T80409A	METTRACE	04/09/08	10:58	RJG	S	CONC
50	KJ21K	T80409A	METTRACE	04/09/08	11:04	RJG	S	CONC
51	KJ21L	T80409A	METTRACE	04/09/08	11:09	RJG	S	CONC
52	KJ21M	T80409A	METTRACE	04/09/08	11:15	RJG	S	CONC
53	CCV1-4	T80409A	METTRACE	04/09/08	11:20	RJG	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCB4	T80409A	METTRACE	04/09/08	11:26	RJG	S	CONC
55	KJXQ6	T80409A	METTRACE	04/09/08	11:31	RJG	S	CONC
56	KJXQ7	T80409A	METTRACE	04/09/08	11:37	RJG	S	CONC
57	KJXQR	T80409A	METTRACE	04/09/08	11:42	RJG	S	CONC
58	KJXTL	T80409A	METTRACE	04/09/08	11:48	RJG	S	CONC
59	KJXTM	T80409A	METTRACE	04/09/08	11:53	RJG	S	CONC
60	KJXTP	T80409A	METTRACE	04/09/08	11:59	RJG	S	CONC
61	KKG2PB	T80409A	METTRACE	04/09/08	12:04	RJG	S	CONC
62	KKG2PC	T80409A	METTRACE	04/09/08	12:10	RJG	S	CONC
63	KJ6H1	T80409A	METTRACE	04/09/08	12:15	RJG	S	CONC
64	KJ70V	T80409A	METTRACE	04/09/08	12:21	RJG	S	CONC
65	CCV1-5	T80409A	METTRACE	04/09/08	12:26	RJG	S	CONC
66	CCB5	T80409A	METTRACE	04/09/08	12:32	RJG	S	CONC
67	KKD82	T80409A	METTRACE	04/09/08	12:44	RJG	S	CONC
68	KKD83	T80409A	METTRACE	04/09/08	12:49	RJG	S	CONC
69	KKD84	T80409A	METTRACE	04/09/08	12:55	RJG	S	CONC
70	KKD85	T80409A	METTRACE	04/09/08	13:00	RJG	S	CONC
71	KKD86	T80409A	METTRACE	04/09/08	13:06	RJG	S	CONC
72	KKD8R	T80409A	METTRACE	04/09/08	13:11	RJG	S	CONC
73	KKD8RP5	T80409A	METTRACE	04/09/08	13:17	RJG	S	CONC
74	KKD8RS	T80409A	METTRACE	04/09/08	13:22	RJG	S	CONC
75	KKD8RD	T80409A	METTRACE	04/09/08	13:28	RJG	S	CONC
76	KKD9D	T80409A	METTRACE	04/09/08	13:33	RJG	S	CONC
77	CCV1-6	T80409A	METTRACE	04/09/08	13:39	RJG	S	CONC
78	CCB6	T80409A	METTRACE	04/09/08	13:44	RJG	S	CONC
79	KKD9E	T80409A	METTRACE	04/09/08	13:50	RJG	S	CONC
80	KKTXFBT	T80409A	METTRACE	04/09/08	13:55	RJG	S	CONC
81	KKTXFCT	T80409A	METTRACE	04/09/08	14:01	RJG	S	CONC
82	KKTXFLT	T80409A	METTRACE	04/09/08	14:06	RJG	S	CONC
83	KKN8XT/10 Prep Dil	T80409A	METTRACE	04/09/08	14:12	RJG	S	CONC
84	KKN8XP50T Prep Dil	T80409A	METTRACE	04/09/08	14:17	RJG	S	CONC
85	KKTXVB	T80409A	METTRACE	04/09/08	14:23	RJG	S	CONC
86	KKTXVC	T80409A	METTRACE	04/09/08	14:28	RJG	S	CONC
87	KKNHN	T80409A	METTRACE	04/09/08	14:34	RJG	S	CONC
88	KKNHNP5	T80409A	METTRACE	04/09/08	14:39	RJG	S	CONC
89	CCV1-7	T80409A	METTRACE	04/09/08	14:45	RJG	S	CONC
90	CCB7	T80409A	METTRACE	04/09/08	14:50	RJG	S	CONC
91	KKNHNS	T80409A	METTRACE	04/09/08	14:56	RJG	S	CONC
92	KKNHND	T80409A	METTRACE	04/09/08	15:01	RJG	S	CONC
93	KKNHX	T80409A	METTRACE	04/09/08	15:07	RJG	S	CONC
94	KKPP7	T80409A	METTRACE	04/09/08	15:12	RJG	S	CONC
95	KKPP8	T80409A	METTRACE	04/09/08	15:18	RJG	S	CONC
96	KKPP9	T80409A	METTRACE	04/09/08	15:23	RJG	S	CONC
97	KKQ6V	T80409A	METTRACE	04/09/08	15:29	RJG	S	CONC
98	KKQP5	T80409A	METTRACE	04/09/08	15:34	RJG	S	CONC
99	KKQPP	T80409A	METTRACE	04/09/08	15:40	RJG	S	CONC
100	KKTXMBF	T80409A	METTRACE	04/09/08	15:45	RJG	S	CONC
101	CCV1-8	T80409A	METTRACE	04/09/08	15:51	RJG	S	CONC
102	CCB8	T80409A	METTRACE	04/09/08	15:56	RJG	S	CONC
103	KKTXMCF	T80409A	METTRACE	04/09/08	16:02	RJG	S	CONC
104	KKNHNF	T80409A	METTRACE	04/09/08	16:07	RJG	S	CONC
105	KKNHNP5F	T80409A	METTRACE	04/09/08	16:13	RJG	S	CONC
106	KKNHNSF	T80409A	METTRACE	04/09/08	16:18	RJG	S	CONC
107	KKNHNDF	T80409A	METTRACE	04/09/08	16:24	RJG	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	KKNHXF	T80409A	METTRACE	04/09/08	16:29	RJG	S	CONC
109	KKNR5B	T80409A	METTRACE	04/09/08	16:35	RJG	S	CONC
110	KKNR5C	T80409A	METTRACE	04/09/08	16:40	RJG	S	CONC
111	KKLW2	T80409A	METTRACE	04/09/08	16:46	RJG	S	CONC
112	KKLW5 (6010B)	T80409A	METTRACE	04/09/08	16:51	RJG	S	CONC
113	CCV1-9	T80409A	METTRACE	04/09/08	16:57	RJG	S	CONC
114	CCB9	T80409A	METTRACE	04/09/08	17:02	RJG	S	CONC
115	KKLWJ	T80409A	METTRACE	04/09/08	17:08	RJG	S	CONC
116	KKLWJP5	T80409A	METTRACE	04/09/08	17:13	RJG	S	CONC
117	KKLWJS	T80409A	METTRACE	04/09/08	17:19	RJG	S	CONC
118	KKLWJD	T80409A	METTRACE	04/09/08	17:24	RJG	S	CONC
119	KKNTNB	T80409A	METTRACE	04/09/08	17:30	RJG	S	CONC
120	KKNTNC	T80409A	METTRACE	04/09/08	17:35	RJG	S	CONC
121	KKLW5 (200.7)	T80409A	METTRACE	04/09/08	17:41	RJG	S	CONC
122	KKLWW	T80409A	METTRACE	04/09/08	17:46	RJG	S	CONC
123	KKLWWP5	T80409A	METTRACE	04/09/08	17:52	RJG	S	CONC
124	KKLWWS	T80409A	METTRACE	04/09/08	17:57	RJG	S	CONC
125	CCV1-10	T80409A	METTRACE	04/09/08	18:03	RJG	S	CONC
126	CCB10	T80409A	METTRACE	04/09/08	18:09	RJG	S	CONC
127	KKLWWD	T80409A	METTRACE	04/09/08	18:14	RJG	S	CONC
128	KKNQ4BF	T80409A	METTRACE	04/09/08	18:20	RJG	S	CONC
129	KKNQ4CF	T80409A	METTRACE	04/09/08	18:25	RJG	S	CONC
130	KKLW2F	T80409A	METTRACE	04/09/08	18:31	RJG	S	CONC
131	KKLW2P5F	T80409A	METTRACE	04/09/08	18:36	RJG	S	CONC
132	KKLW2SF	T80409A	METTRACE	04/09/08	18:42	RJG	S	CONC
133	KKLW2DF	T80409A	METTRACE	04/09/08	18:47	RJG	S	CONC
134	KKLW5F	T80409A	METTRACE	04/09/08	18:53	RJG	S	CONC
135	KJ7RQB	T80409A	METTRACE	04/09/08	18:58	RJG	S	CONC
136	KJ7RQC	T80409A	METTRACE	04/09/08	19:04	RJG	S	CONC
137	CCV1-11	T80409A	METTRACE	04/09/08	19:09	RJG	S	CONC
138	CCB11	T80409A	METTRACE	04/09/08	19:15	RJG	S	CONC
139	KJ290	T80409A	METTRACE	04/09/08	19:20	RJG	S	CONC
140	KJ293	T80409A	METTRACE	04/09/08	19:26	RJG	S	CONC
141	KJ297	T80409A	METTRACE	04/09/08	19:31	RJG	S	CONC
142	KJ299	T80409A	METTRACE	04/09/08	19:37	RJG	S	CONC
143	KJ29C	T80409A	METTRACE	04/09/08	19:42	RJG	S	CONC
144	KJ29W	T80409A	METTRACE	04/09/08	19:48	RJG	S	CONC
145	KJ3AD	T80409A	METTRACE	04/09/08	19:53	RJG	S	CONC
146	KJ3AG	T80409A	METTRACE	04/09/08	19:59	RJG	S	CONC
147	KJ3AJ	T80409A	METTRACE	04/09/08	20:04	RJG	S	CONC
148	KJ3AM	T80409A	METTRACE	04/09/08	20:10	RJG	S	CONC
149	CCV1-12	T80409A	METTRACE	04/09/08	20:15	RJG	S	CONC
150	CCB12	T80409A	METTRACE	04/09/08	20:21	RJG	S	CONC
151	KJ3AQ	T80409A	METTRACE	04/09/08	20:27	RJG	S	CONC
152	KJ3AQP5	T80409A	METTRACE	04/09/08	20:32	RJG	S	CONC
153	KJ3AQS	T80409A	METTRACE	04/09/08	20:38	RJG	S	CONC
154	KJ3AQD	T80409A	METTRACE	04/09/08	20:43	RJG	S	CONC
155	KJ3AR	T80409A	METTRACE	04/09/08	20:49	RJG	S	CONC
156	KKNFG (200.7)	T80409A	METTRACE	04/09/08	20:54	RJG	S	CONC
157	KKNHT	T80409A	METTRACE	04/09/08	21:00	RJG	S	CONC
158	KKLNM Tl Rerun	T80409A	METTRACE	04/09/08	21:05	RJG	S	CONC
159	KKLNP Tl Rerun	T80409A	METTRACE	04/09/08	21:11	RJG	S	CONC
160	KKP58BF	T80409A	METTRACE	04/09/08	21:16	RJG	S	CONC
161	CCV1-13	T80409A	METTRACE	04/09/08	21:22	RJG	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
162	CCB13	T80409A	METTRACE	04/09/08	21:27	RJG	S	CONC
163	KKP58CF	T80409A	METTRACE	04/09/08	21:33	RJG	S	CONC
164	KKP58LF	T80409A	METTRACE	04/09/08	21:38	RJG	S	CONC
165	KKLNMF	T80409A	METTRACE	04/09/08	21:44	RJG	S	CONC
166	KKLNMP5F	T80409A	METTRACE	04/09/08	21:49	RJG	S	CONC
167	KKLNPF	T80409A	METTRACE	04/09/08	21:55	RJG	S	CONC
168	KKLNRF	T80409A	METTRACE	04/09/08	22:00	RJG	S	CONC
169	KKP46B	T80409A	METTRACE	04/09/08	22:06	RJG	S	CONC
170	KKP46C	T80409A	METTRACE	04/09/08	22:12	RJG	S	CONC
171	KKNFG (6010B)	T80409A	METTRACE	04/09/08	22:17	RJG	S	CONC
172	KKNFW	T80409A	METTRACE	04/09/08	22:23	RJG	S	CONC
173	CCV1-14	T80409A	METTRACE	04/09/08	22:28	RJG	S	CONC
174	CCB14	T80409A	METTRACE	04/09/08	22:34	RJG	S	CONC
175	KKN26/2	T80409A	METTRACE	04/09/08	22:39	RJG	S	CONC
176	KKN26P10	T80409A	METTRACE	04/09/08	22:48	RJG	S	CONC
177	KKN26S/2	T80409A	METTRACE	04/09/08	22:56	RJG	S	CONC
178	KKN26D/2	T80409A	METTRACE	04/09/08	23:05	RJG	S	CONC
179	KKN27/2	T80409A	METTRACE	04/09/08	23:14	RJG	S	CONC
180	KKN26/5	T80409A	METTRACE	04/09/08	23:23	RJG	S	CONC
181	KKN26P25	T80409A	METTRACE	04/09/08	23:31	RJG	S	CONC
182	KKN26S/5	T80409A	METTRACE	04/09/08	23:38	RJG	S	CONC
183	KKN26D/5	T80409A	METTRACE	04/09/08	23:46	RJG	S	CONC
184	KKN27/5	T80409A	METTRACE	04/09/08	23:54	RJG	S	CONC
185	CCV1-15	T80409A	METTRACE	04/09/08	23:59	RJG	S	CONC
186	CCB15	T80409A	METTRACE	04/10/08	00:05	RJG	S	CONC

STD2: MET1287-08
STD3: MET1288-08
STD4: MET1289-08

Note: Analytical run briefly delayed before and after the analysis of ICV1-1 to set the instrument to analyze 4 exposures for the ICV analysis (Method 200.7 requirement) and then to reset it to analyze 3 exposures for the duration of the run.

Method: METTRACE Standard: STD1
Run Time: 04/09/08 06:32:56

Elem	AG	AL	AS	B_	BA	BE	CA
Avge	.00240	.01754	.02271	.00074	.00104	-.01702	.00272
SDev	.00157	.00034	.00480	.00008	.00015	.00012	.00005
%RSD	65.418	1.9365	21.134	11.173	14.403	.70174	1.6733
#1	.00418	.01788	.02818	.00079	.00120	-.01709	.00277
#2	.00121	.01720	.02076	.00078	.00091	-.01688	.00268
#3	.00182	.01754	.01919	.00064	.00099	-.01707	.00271

Elem	CD	CO	CR	CU	FE	K_	MG
Avge	.00368	.00005	.00346	.00902	.00000	.30817	-.00003
SDev	.00050	.00040	.00123	.00018	.00023	.00195	.00013
%RSD	13.477	821.33	35.606	1.9915	86684.	.63192	400.01
#1	.00423	.00049	.00468	.00919	.00026	.30981	.00010
#2	.00354	-.00005	.00349	.00883	-.00013	.30602	-.00003
#3	.00327	-.00030	.00221	.00903	-.00013	.30867	-.00017

Elem	MN	MO	NA	NI	PB/1	PB/2	SB/1
Avge	.00024	.00056	.00411	.00069	.01037	-.00023	-.02030
SDev	.00008	.00024	.00044	.00037	.00391	.00012	.01356
%RSD	31.689	42.742	10.591	53.270	37.661	51.971	66.774
#1	.00033	.00076	.00369	.00102	.01169	-.00020	-.03284
#2	.00020	.00029	.00408	.00029	.01345	-.00013	-.02217
#3	.00020	.00063	.00456	.00076	.00598	-.00036	-.00591

Elem	SB/2	SE/1	SE/2	SI	SN	SR	TI
Avge	.00532	-.01786	.03433	.02461	.00001	.00058	-.00008
SDev	.00565	.00459	.00521	.00027	.00031	.00008	.00002
%RSD	106.20	25.701	15.178	1.0894	2672.0	14.103	25.204
#1	-.00056	-.01449	.02905	.02491	.00036	.00066	-.00007
#2	.01071	-.01600	.03447	.02440	-.00020	.00059	-.00007
#3	.00581	-.02309	.03947	.02452	-.00013	.00050	-.00010

Elem	TL	V_	ZN
Avge	-.01777	.00004	.00053
SDev	.00468	.00005	.00005
%RSD	26.360	114.89	8.5487
#1	-.02279	.00010	.00056
#2	-.01352	.00003	.00055
#3	-.01701	.00000	.00048

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30425	--	--	--	--	--	--
SDev	184.5828	--	--	--	--	--	--
%RSD	.6066859	--	--	--	--	--	--
#1	30363	--	--	--	--	--	--
#2	30632	--	--	--	--	--	--
#3	30279	--	--	--	--	--	--

Method: METTRACE Standard: STD2
Run Time: 04/09/08 06:38:27

Elem	AG	AS	CD	PB/1	PB/2	SB/1	SB/2
Avge	7.2494	3.8832	11.763	5.3459	.52363	13.911	4.6605
SDev	.0043	.0181	.058	.0139	.00095	.067	.0177
%RSD	.05947	.46542	.49437	.25916	.18185	.48504	.37925
#1	7.2471	3.8654	11.724	5.3314	.52296	13.840	4.6468
#2	7.2468	3.8827	11.735	5.3475	.52320	13.918	4.6542
#3	7.2544	3.9015	11.830	5.3589	.52472	13.974	4.6804

Elem	SE/1	SE/2	TL
Avge	2.9156	4.9235	5.7476
SDev	.0214	.0190	.0334
%RSD	.73252	.38489	.58092
#1	2.8912	4.9092	5.7118
#2	2.9249	4.9163	5.7532
#3	2.9307	4.9450	5.7779

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30308	--	--	--	--	--	--
SDev	111.6548	--	--	--	--	--	--
%RSD	.3683978	--	--	--	--	--	--
#1	30226	--	--	--	--	--	--
#2	30264	--	--	--	--	--	--
#3	30435	--	--	--	--	--	--

Method: METTRACE Standard: STD3
Run Time: 04/09/08 06:43:57

Elem	AL	CA	FE	K_	MG	NA
Avge	5.7438	4.8399	4.3504	31.534	3.4182	1.8569
SDev	.0050	.0097	.0069	.052	.0066	.0064
%RSD	.08666	.19998	.15942	.16572	.19225	.34455
#1	5.7420	4.8410	4.3491	31.478	3.4176	1.8562
#2	5.7400	4.8490	4.3579	31.540	3.4251	1.8509
#3	5.7494	4.8297	4.3443	31.582	3.4120	1.8637

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29430	--	--	--	--	--	--
SDev	26.08708	--	--	--	--	--	--
%RSD	.0886419	--	--	--	--	--	--
#1	29458	--	--	--	--	--	--
#2	29406	--	--	--	--	--	--
#3	29425	--	--	--	--	--	--

Method: METTRACE Standard: STD4
Run Time: 04/09/08 06:49:28

Elem	B_	BA	BE	CO	CR	CU	MN
Avge	2.3115	8.4159	8.2166	3.2617	11.757	2.3508	2.9315
SDev	.0018	.0074	.0042	.0019	.009	.0016	.0024
%RSD	.07641	.08820	.05066	.05934	.07885	.06821	.08338
#1	2.3097	8.4110	8.2214	3.2636	11.765	2.3491	2.9342
#2	2.3132	8.4244	8.2139	3.2597	11.747	2.3510	2.9295
#3	2.3115	8.4122	8.2145	3.2618	11.760	2.3523	2.9308

Elem	MO	NI	SI	SN	SR	TI	V_
Avge	1.5936	2.5972	.71011	.73300	6.4331	1.2416	.80591
SDev	.0083	.0035	.00075	.00148	.0072	.0004	.00028
%RSD	.51913	.13389	.10526	.20176	.11146	.02885	.03538
#1	1.5847	2.6008	.70963	.73429	6.4259	1.2412	.80562
#2	1.5953	2.5939	.71097	.73139	6.4403	1.2415	.80593
#3	1.6010	2.5967	.70973	.73334	6.4330	1.2420	.80619

Elem	ZN
Avge	2.2056
SDev	.0033
%RSD	.14937
#1	2.2092
#2	2.2028
#3	2.2047

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30426	--	--	--	--	--	--
SDev	57.04973	--	--	--	--	--	--
%RSD	.1875062	--	--	--	--	--	--
#1	30393	--	--	--	--	--	--
#2	30491	--	--	--	--	--	--
#3	30392	--	--	--	--	--	--

Method: METTRACE Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
AG	328.068	STD2	STD1	.275975	-.000663	04/09/08 06:49:28
AL	308.215	STD3	STD1	8.73168	-.153167	04/09/08 06:49:28
AS	189.042	STD2	STD1	.259035	-.005882	04/09/08 06:49:28
B_	249.678	STD4	STD1	1.73105	-.001280	04/09/08 06:49:28
BA	493.409	STD4	STD1	.475350	-.000492	04/09/08 06:49:28
BE	313.042	STD4	STD1	.481063	.008185	04/09/08 06:49:28
CA	317.933	STD3	STD1	20.6733	-.056173	04/09/08 06:49:28
CD	226.502	STD2	STD1	.085041	-.000313	04/09/08 06:49:28
CO	228.616	STD4	STD1	1.22885	-.000061	04/09/08 06:49:28
CR	267.716	STD4	STD1	.340266	-.001178	04/09/08 06:49:28
CU	324.753	STD4	STD1	1.70810	-.015402	04/09/08 06:49:28
FE	271.441	STD3	STD1	11.4867	-.000003	04/09/08 06:49:28
K_	766.491	STD3	STD1	.810992	-.100648	04/09/08 06:49:28
MG	279.078	STD3	STD1	29.2548	.000965	04/09/08 06:49:28
MN	257.610	STD4	STD1	1.36459	-.000329	04/09/08 06:49:28
MO	202.030	STD4	STD1	2.51084	-.001405	04/09/08 06:49:28
NA	330.232	STD3	STD1	.876723	-.000110	04/09/08 06:49:28
NI	231.604	STD4	STD1	1.53983	-.001065	04/09/08 06:49:28
PB/1	220.351	STD2	STD1	.187421	-.001944	04/09/08 06:49:28
PB/2	220.352	STD2	STD1	1.90891	.000440	04/09/08 06:49:28
PB	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
SB/1	206.831	STD2	STD1	.071782	.001457	04/09/08 06:49:28
SB/2	206.832	STD2	STD1	.214816	-.001143	04/09/08 06:49:28
SB	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
SE/1	196.021	STD2	STD1	.340894	.006088	04/09/08 06:49:28
SE/2	196.022	STD2	STD1	.204533	-.007021	04/09/08 06:49:28
SE	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
SI	288.158	STD4	STD1	5.83518	-.143622	04/09/08 06:49:28
SN	189.989	STD4	STD1	5.45708	-.000062	04/09/08 06:49:28
SR	421.552	STD4	STD1	.621843	-.000361	04/09/08 06:49:28
TI	334.941	STD4	STD1	3.22154	.000247	04/09/08 06:49:28
TL	190.864	STD2	STD1	.346896	.006165	04/09/08 06:49:28
V_	292.402	STD4	STD1	4.96358	-.000217	04/09/08 06:49:28
ZN	213.856	STD4	STD1	1.82215	-.000968	04/09/08 06:49:28

Method: METTRACE Sample Name: ICV1-1 MET1113-08 Operator: RJG
Run Time: 04/09/08 06:54:32
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50364	12.337	.25006	1.0301	1.0070	1.0037	25.292
SDev	.00104	.025	.00149	.0022	.0009	.0022	.051
%RSD	.20716	.20061	.59433	.21521	.09263	.21967	.20165
#1	.50391	12.348	.25067	1.0325	1.0083	1.0051	25.299
#2	.50211	12.309	.24963	1.0280	1.0061	1.0017	25.243
#3	.50447	12.365	.24822	1.0284	1.0070	1.0018	25.264
#4	.50406	12.325	.25170	1.0314	1.0067	1.0060	25.360
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	13.750	.27500	1.1000	1.1000	1.1000	27.500
Low	.45000	11.250	.22500	.90000	.90000	.90000	22.500

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24627	.98369	1.0100	1.0242	12.631	50.633	24.730
SDev	.00073	.00178	.0017	.0016	.026	.214	.040
%RSD	.29781	.18071	.16896	.15909	.20526	.42246	.16049
#1	.24676	.98456	1.0109	1.0253	12.619	50.557	24.740
#2	.24584	.98172	1.0076	1.0224	12.618	50.468	24.693
#3	.24547	.98279	1.0101	1.0258	12.618	50.947	24.706
#4	.24701	.98569	1.0114	1.0233	12.670	50.559	24.782
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	1.1000	1.1000	1.1000	13.750	55.000	27.500
Low	.22500	.90000	.90000	.90000	11.250	45.000	22.500

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98491	1.0260	49.713	.99260	.25107	.25018	.25048
SDev	.00162	.0021	.092	.00352	.00308	.00127	.00063
%RSD	.16499	.20097	.18482	.35469	1.2274	.50840	.25017
#1	.98546	1.0273	49.697	.99709	.25023	.25140	.25101
#2	.98284	1.0242	49.672	.99012	.24715	.25086	.24963
#3	.98462	1.0242	49.845	.98949	.25420	.24849	.25039
#4	.98671	1.0281	49.636	.99371	.25269	.24998	.25089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	1.1000	1.1000	55.000	1.1000			.27500
Low	.90000	.90000	45.000	.90000			.22500

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25096	.25152	.25133	.25098	.24970	.25012	.98135
SDev	.00208	.00263	.00148	.00187	.00266	.00175	.00290
%RSD	.82750	1.0452	.58714	.74341	1.0635	.69896	.29582

#1	.25081	.24990	.25020	.24879	.25157	.25064	.98429
#2	.25371	.24903	.25059	.25026	.24974	.24991	.97824

#3	.24867	.25226	.25106	.25310	.25155	.25207	.97956
#4	.25066	.25489	.25348	.25176	.24593	.24787	.98330
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High			.27500			.27500	1.1000
Low			.22500			.22500	.90000

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99135	.98490	1.0056	.50024	1.0013	1.0312
SDev	.00250	.00200	.0010	.00419	.0018	.0010
%RSD	.25206	.20266	.10418	.83733	.17563	.10049
#1	.98858	.98756	1.0062	.49510	1.0011	1.0321
#2	.99106	.98415	1.0042	.49905	1.0000	1.0298
#3	.99110	.98283	1.0054	.50184	1.0004	1.0314
#4	.99465	.98506	1.0065	.50495	1.0039	1.0318
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	.55000	1.1000	1.1000
Low	.90000	.90000	.90000	.45000	.90000	.90000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29997	--	--	--	--	--	--
SDev	119.4848	--	--	--	--	--	--
%RSD	.3983173	--	--	--	--	--	--
#1	30138	--	--	--	--	--	--
#2	29991	--	--	--	--	--	--
#3	29847	--	--	--	--	--	--
#4	30014	--	--	--	--	--	--

Method: METTRACE Sample Name: ICB1 Operator: RJG
Run Time: 04/09/08 07:01:21
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00123	-.00352	-.00033	.00127	-.00013	.00023	.00436
SDev	.00059	.00135	.00033	.00056	.00012	.00008	.00246
%RSD	48.366	38.465	97.413	43.871	92.239	35.705	56.364
#1	-.00152	-.00479	-.00004	.00167	-.00024	.00014	.00217
#2	-.00055	-.00367	-.00027	.00151	-.00001	.00029	.00702
#3	-.00162	-.00210	-.00069	.00064	-.00013	.00026	.00390
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	-.00011	-.00034	-.00050	-.01598	.21376	-.00160
SDev	.00014	.00054	.00045	.00046	.00715	.00539	.00579
%RSD	67.008	469.52	133.19	91.022	44.736	2.5196	362.38
#1	-.00026	-.00042	-.00073	-.00100	-.02334	.20755	-.00768
#2	-.00005	.00051	.00015	-.00010	-.01553	.21653	.00385
#3	-.00032	-.00043	-.00044	-.00040	-.00907	.21720	-.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00006	.00308	-.64899	-.00101	.00200	-.00079	.00014
SDev	.00014	.00182	.15732	.00111	.00276	.00167	.00021
%RSD	228.07	59.032	24.240	109.80	137.51	210.55	152.46
#1	-.00006	.00436	-.68932	-.00213	-.00018	.00063	.00036
#2	.00021	.00388	-.47543	.00010	.00510	-.00263	-.00006
#3	.00003	.00100	-.78222	-.00101	.00110	-.00038	.00011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00125	.00009	-.00036	.00085	-.00059	-.00011	-.00981
SDev	.00242	.00156	.00033	.00169	.00275	.00127	.00336
%RSD	194.23	1795.0	91.610	199.89	468.85	1158.2	34.215
#1	-.00068	.00017	-.00011	.00174	-.00212	-.00083	-.00594
#2	-.00391	.00160	-.00024	.00191	-.00224	-.00086	-.01195

#3	.00084	-.00151	-.00073	-.00110	.00259	.00136	-.01154
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00060	-.00003	-.00021	.00151	-.00006	.00010	
SDev	.00157	.00019	.00022	.00073	.00028	.00009	
%RSD	262.00	556.76	103.72	48.642	475.86	90.183	
#1	-.00132	-.00020	-.00039	.00198	.00026	.00000	
#2	-.00168	.00017	-.00028	.00188	-.00022	.00017	
#3	.00120	-.00007	.00003	.00066	-.00022	.00012	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30394	--	--	--	--	--	--
SDev	97.36647	--	--	--	--	--	--
%RSD	.3203482	--	--	--	--	--	--
#1	30473	--	--	--	--	--	--
#2	30424	--	--	--	--	--	--
#3	30285	--	--	--	--	--	--

Method: METTRACE Sample Name: CRA/RLV MET0876-08 Operator: RJG
Run Time: 04/09/08 07:06:51
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00450	.19245	.00975	.19969	.19960	.00412	5.0057
SDev	.00069	.00135	.00121	.00096	.00029	.00006	.0111
%RSD	15.339	.70296	12.376	.47809	.14686	1.3407	.22194
#1	.00520	.19335	.00836	.19859	.19985	.00410	4.9977
#2	.00382	.19089	.01054	.20028	.19967	.00418	5.0010
#3	.00449	.19310	.01035	.20020	.19928	.00408	5.0184
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00750	.30000	.01500	.30000	.30000	.00600	7.5000
Low	.00250	.10000	.00500	.10000	.10000	.00200	2.5000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00492	.04948	.00512	.02426	.07585	4.7264	4.8831
SDev	.00005	.00016	.00060	.00026	.00681	.0120	.0124
%RSD	1.0256	.33389	11.625	1.0533	8.9783	.25448	.25436
#1	.00496	.04947	.00568	.02454	.08364	4.7362	4.8776
#2	.00494	.04933	.00450	.02404	.07101	4.7301	4.8743
#3	.00486	.04966	.00520	.02420	.07292	4.7130	4.8973
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00750	.07500	.00750	.03750	.15000	7.5000	7.5000
Low	.00250	.02500	.00250	.01250	.05000	2.5000	2.5000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01480	.04190	4.8508	.03904	.00680	.00166	.00337
SDev	.00005	.00052	.1310	.00053	.00179	.00056	.00088
%RSD	.33150	1.2469	2.7004	1.3681	26.293	33.988	26.043
#1	.01486	.04234	4.9602	.03966	.00885	.00210	.00435
#2	.01476	.04132	4.8865	.03869	.00560	.00184	.00309
#3	.01479	.04204	4.7057	.03877	.00594	.00102	.00266
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.02250	.06000	7.5000	.06000			.00450
Low	.00750	.02000	2.5000	.02000			.00150

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00608	.01114	.00945	.00792	.00337	.00489	.48120
SDev	.00208	.00169	.00090	.00035	.00025	.00005	.00183
%RSD	34.256	15.183	9.5448	4.3672	7.4071	1.0559	.37926
#1	.00394	.01289	.00991	.00793	.00337	.00489	.48149
#2	.00810	.01100	.01004	.00826	.00313	.00484	.47924

#3	.00621	.00952	.00841	.00757	.00363	.00494	.48285
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.01500			.00750	.75000
Low			.00500			.00250	.25000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.08992	.04834	.04980	.00945	.05010	.02057	
SDev	.00094	.00019	.00012	.00167	.00057	.00008	
%RSD	1.0475	.39491	.24381	17.707	1.1459	.37450	
#1	.09031	.04849	.04986	.00991	.04945	.02051	
#2	.08885	.04813	.04987	.00759	.05028	.02065	
#3	.09061	.04841	.04966	.01084	.05055	.02053	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.15000	.07500	.07500	.01500	.07500	.03000	
Low	.05000	.02500	.02500	.00500	.02500	.01000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30363	--	--	--	--	--	--
SDev	161.3715	--	--	--	--	--	--
%RSD	.5314812	--	--	--	--	--	--
#1	30193	--	--	--	--	--	--
#2	30382	--	--	--	--	--	--
#3	30514	--	--	--	--	--	--

Method: METTRACE Sample Name: ICSA MET1584-08 Operator: RJG
Run Time: 04/09/08 07:12:22
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00139	473.30	-.00138	.00024	.00134	-.00040	475.37
SDev	.00070	.62	.00110	.00043	.00009	.00010	1.46
%RSD	50.105	.13109	79.451	180.93	6.3929	25.568	.30796
#1	-.00198	472.80	-.00092	.00045	.00126	-.00034	476.99
#2	-.00062	473.99	-.00059	.00052	.00143	-.00051	475.00
#3	-.00156	473.10	-.00263	-.00026	.00134	-.00034	474.13
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		500.00					500.00
Range		20.000					20.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	-.00069	.00001	-.00173	193.80	.22015	507.62
SDev	.00018	.00055	.00047	.00028	.39	.00232	1.29
%RSD	84.367	79.654	3142.2	16.238	.20081	1.0535	.25332
#1	-.00042	-.00133	-.00051	-.00159	194.23	.22049	509.04
#2	-.00013	-.00043	.00039	-.00154	193.71	.22227	507.30
#3	-.00009	-.00032	.00016	-.00205	193.47	.21767	506.52
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value					200.00		500.00
Range					20.000		20.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01206	-.00185	-1.1654	.00733	.00651	-.00239	.00057
SDev	.00008	.00050	.1178	.00036	.00300	.00255	.00070
%RSD	.63544	26.926	10.107	4.8395	46.101	106.44	122.99
#1	.01210	-.00239	-1.1298	.00696	.00874	-.00424	.00009
#2	.01211	-.00141	-1.0695	.00767	.00310	.00051	.00137
#3	.01197	-.00176	-1.2969	.00736	.00768	-.00346	.00025
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00112	-.00091	-.00023	.00532	.00473	.00492	.01041
SDev	.00568	.00209	.00057	.00537	.00226	.00252	.00089
%RSD	505.62	229.27	245.70	100.94	47.805	51.156	8.4976
#1	-.00270	.00081	-.00036	.00614	.00733	.00694	.01087
#2	.00766	-.00323	.00039	-.00041	.00335	.00210	.01098

#3	-.00158	-.00030	-.00073	.01023	.00349	.00573	.00939
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value
Range

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01074	.01738	-.00190	.00487	-.00250	.01283
SDev	.00077	.00010	.00023	.00181	.00213	.00022
%RSD	7.1264	.60057	12.314	37.161	84.953	1.7537
#1	.01163	.01727	-.00217	.00623	-.00065	.01260
#2	.01032	.01748	-.00172	.00282	-.00483	.01284
#3	.01028	.01739	-.00183	.00556	-.00203	.01305
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value
Range

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	27938	--	--	--	--	--	--
SDev	76.82391	--	--	--	--	--	--
%RSD	.2749772	--	--	--	--	--	--
#1	28007	--	--	--	--	--	--
#2	27855	--	--	--	--	--	--
#3	27953	--	--	--	--	--	--

Method: METTRACE Sample Name: ICSAB MET0338-08 Operator: RJG
Run Time: 04/09/08 07:17:52
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0871	474.51	1.0139	1.0358	.52178	.49519	477.91
SDev	.0015	.89	.0031	.0006	.00098	.00029	.69
%RSD	.13385	.18792	.30878	.05610	.18770	.05805	.14451
#1	1.0885	475.54	1.0126	1.0351	.52289	.49486	477.12
#2	1.0856	474.00	1.0116	1.0361	.52104	.49536	478.38
#3	1.0872	473.98	1.0175	1.0361	.52140	.49536	478.24
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	500.00	1.0000	1.0000	.50000	.50000	500.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95276	.47716	.49171	.54081	195.56	11.304	509.13
SDev	.00072	.00045	.00039	.00131	.11	.022	.37
%RSD	.07548	.09380	.07885	.24285	.05525	.19778	.07194
#1	.95351	.47664	.49156	.54230	195.43	11.325	508.71
#2	.95269	.47738	.49141	.53981	195.60	11.280	509.30
#3	.95208	.47745	.49215	.54033	195.64	11.306	509.38
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	.50000	.50000	200.00	10.000	500.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50249	1.0134	10.589	.94744	.96099	.96612	.96441
SDev	.00006	.0057	.124	.00115	.00770	.00358	.00080
%RSD	.01152	.56746	1.1690	.12105	.80112	.37054	.08314
#1	.50255	1.0069	10.447	.94803	.96982	.96206	.96465
#2	.50244	1.0153	10.646	.94612	.95566	.96744	.96352
#3	.50246	1.0179	10.674	.94818	.95750	.96885	.96507
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.50000	1.0000	10.000	1.0000			1.0000
Range	20.000	20.000	20.000	20.000			20.000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0269	1.0206	1.0227	1.0088	1.0111	1.0103	1.0155
SDev	.0114	.0009	.0036	.0066	.0038	.0004	.0047
%RSD	1.1113	.08429	.34710	.65153	.37971	.04002	.46597
#1	1.0137	1.0210	1.0186	1.0156	1.0070	1.0099	1.0178
#2	1.0331	1.0211	1.0251	1.0082	1.0118	1.0106	1.0101

#3	1.0339	1.0196	1.0243	1.0025	1.0146	1.0106	1.0186
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass

Value			1.0000			1.0000	1.0000
Range			20.000			20.000	20.000
Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.87756	1.0236	1.0120	.96324	.49736	1.0582	
SDev	.00096	.0031	.0012	.00430	.00069	.0011	
%RSD	.10883	.30429	.11863	.44589	.13874	.10288	
#1	.87705	1.0271	1.0121	.95851	.49669	1.0592	
#2	.87866	1.0220	1.0108	.96432	.49733	1.0570	
#3	.87697	1.0215	1.0132	.96690	.49807	1.0583	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	1.0000	1.0000	1.0000	1.0000	.50000	1.0000	
Range	20.000	20.000	20.000	20.000	20.000	20.000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	27996	--	--	--	--	--	--
SDev	67.52480	--	--	--	--	--	--
%RSD	.2411981	--	--	--	--	--	--
#1	28047	--	--	--	--	--	--
#2	28021	--	--	--	--	--	--
#3	27919	--	--	--	--	--	--

Method: METTRACE Sample Name: KJRXR Operator: RJG
Run Time: 04/09/08 07:23:22
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00254	91.529	.06194	.01413	1.4161	.00843	43.545
SDev	.00059	.152	.00072	.00015	.0023	.00016	.127
%RSD	23.077	.16617	1.1632	1.0903	.16589	1.9191	.29119
#1	.00249	91.617	.06190	.01428	1.4181	.00832	43.453
#2	.00198	91.617	.06124	.01414	1.4165	.00836	43.492
#3	.00315	91.354	.06268	.01397	1.4135	.00862	43.690
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00073	.10831	.14086	.14547	240.75	8.4992	20.449
SDev	.00017	.00055	.00055	.00016	.32	.0379	.046
%RSD	23.747	.50773	.38901	.11301	.13236	.44575	.22595
#1	-.00053	.10781	.14087	.14550	240.61	8.5284	20.414
#2	-.00082	.10821	.14030	.14562	240.53	8.5128	20.431
#3	-.00083	.10890	.14140	.14530	241.12	8.4564	20.501
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.558	.00539	.56527	.18064	.14459	.14399	.14419
SDev	.015	.00105	.09264	.00181	.00240	.00249	.00093
%RSD	.11199	19.517	16.388	1.0012	1.6627	1.7281	.64384
#1	13.549	.00656	.47351	.17969	.14637	.14157	.14317
#2	13.549	.00452	.56354	.17950	.14186	.14654	.14498
#3	13.575	.00509	.65876	.18272	.14554	.14387	.14443
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00057	.00107	.00052	-.00162	.01392	.00875	1.5800
SDev	.00208	.00093	.00084	.00220	.00175	.00188	.0032
%RSD	363.27	87.060	159.64	135.92	12.565	21.551	.20176
#1	-.00224	.00046	-.00044	.00071	.01591	.01085	1.5763
#2	.00176	.00062	.00100	-.00365	.01264	.00722	1.5815

#3	-.00124	.00215	.00102	-.00191	.01320	.00817	1.5820
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00928	.29310	.50748	.01196	.16031	.59803	
SDev	.00292	.00023	.00062	.00198	.00039	.00023	
%RSD	31.408	.07938	.12196	16.580	.24562	.03813	
#1	.00927	.29331	.50722	.01407	.16027	.59787	
#2	.00638	.29314	.50702	.01167	.15994	.59829	
#3	.01221	.29285	.50818	.01013	.16073	.59792	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32279	--	--	--	--	--	--
SDev	164.6459	--	--	--	--	--	--
%RSD	.5100703	--	--	--	--	--	--
#1	32160	--	--	--	--	--	--
#2	32210	--	--	--	--	--	--
#3	32467	--	--	--	--	--	--

Method: METTRACE Sample Name: KJRXT/2 Mn Operator: RJG
Run Time: 04/09/08 07:28:52
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00193	61.157	.04919	.00463	.96580	.00648	15.205
SDev	.00073	.144	.00042	.00025	.00073	.00001	.023
%RSD	37.969	.23587	.84816	5.3046	.07573	.10141	.15445
#1	.00204	61.246	.04872	.00466	.96620	.00648	15.231
#2	.00115	61.234	.04951	.00437	.96625	.00648	15.199
#3	.00260	60.991	.04935	.00486	.96496	.00647	15.185
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00061	.07648	.08924	.08254	154.21	4.7277	11.884
SDev	.00013	.00073	.00057	.00047	.27	.0049	.024
%RSD	21.406	.95831	.64100	.57042	.17425	.10356	.20373
#1	-.00047	.07725	.08922	.08275	154.46	4.7332	11.912
#2	-.00061	.07579	.08868	.08200	154.24	4.7264	11.870
#3	-.00073	.07642	.08983	.08288	153.93	4.7237	11.870
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.606	.00321	-.82590	.10714	.10839	.10712	.10754
SDev	.014	.00051	.08395	.00132	.00328	.00173	.00049
%RSD	.11286	15.837	10.164	1.2279	3.0270	1.6141	.45173
#1	12.620	.00341	-.72900	.10797	.10742	.10839	.10807
#2	12.608	.00263	-.87205	.10562	.10570	.10781	.10711
#3	12.591	.00359	-.87664	.10783	.11204	.10515	.10744
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00105	-.00098	-.00101	-.00069	.00645	.00407	1.1148
SDev	.00223	.00155	.00117	.00239	.00141	.00140	.0013
%RSD	211.53	157.91	115.97	347.66	21.860	34.505	.11305
#1	.00142	-.00079	-.00005	.00041	.00522	.00362	1.1137
#2	-.00167	-.00262	-.00231	-.00343	.00613	.00295	1.1144

#3	-.00291	.00046	-.00066	.00096	.00799	.00565	1.1161
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00766	.09267	.34957	.00834	.11732	.39253	
SDev	.00206	.00013	.00071	.00266	.00053	.00041	
%RSD	26.895	.13689	.20346	31.850	.45339	.10512	
#1	.00837	.09280	.34946	.01124	.11783	.39276	
#2	.00534	.09266	.35034	.00777	.11737	.39278	
#3	.00927	.09255	.34893	.00602	.11677	.39206	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32277	--	--	--	--	--	--
SDev	108.6494	--	--	--	--	--	--
%RSD	.3366129	--	--	--	--	--	--
#1	32352	--	--	--	--	--	--
#2	32327	--	--	--	--	--	--
#3	32153	--	--	--	--	--	--

Method: METTRACE Sample Name: KJRXV Operator: RJG
Run Time: 04/09/08 07:34:21
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00253	94.132	.10376	.02188	1.3836	.01069	88.120
SDev	.00026	.143	.00169	.00057	.0013	.00014	.414
%RSD	10.363	.15220	1.6254	2.6104	.09564	1.2999	.46969
#1	.00223	93.988	.10501	.02122	1.3844	.01053	87.711
#2	.00272	94.274	.10184	.02214	1.3844	.01072	88.112
#3	.00265	94.135	.10444	.02226	1.3821	.01080	88.538
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00125	.24171	.15342	.20457	306.23	9.9615	23.678
SDev	.00024	.00090	.00059	.00072	1.09	.0224	.102
%RSD	19.453	.37366	.38384	.35073	.35438	.22440	.42968
#1	.00152	.24076	.15281	.20477	305.12	9.9817	23.570
#2	.00116	.24180	.15349	.20517	306.27	9.9654	23.691
#3	.00106	.24256	.15398	.20378	307.29	9.9375	23.773
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.886	.00748	1.1227	.36749	.15836	.15040	.15305
SDev	.035	.00005	.1214	.00224	.00334	.00156	.00059
%RSD	.31973	.72051	10.810	.61038	2.1097	1.0360	.38639
#1	10.849	.00751	1.0607	.36495	.15452	.15183	.15273
#2	10.891	.00742	1.0449	.36830	.15998	.15061	.15373
#3	10.918	.00752	1.2626	.36921	.16059	.14874	.15269
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00467	.00264	.00021	.00911	.01508	.01309	1.2910
SDev	.00163	.00062	.00057	.00480	.00108	.00222	.0028
%RSD	34.992	23.467	276.19	52.694	7.1352	16.982	.22015
#1	-.00279	.00247	.00072	.00414	.01449	.01104	1.2897
#2	-.00576	.00332	.00030	.01372	.01632	.01546	1.2943

#3	-.00545	.00212	-.00040	.00947	.01443	.01277	1.2891
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01520	.51649	.46268	.01460	.17305	1.0080	
SDev	.00154	.00028	.00049	.00115	.00069	.0020	
%RSD	10.166	.05519	.10525	7.8518	.40052	.19994	
#1	.01434	.51629	.46255	.01329	.17298	1.0059	
#2	.01698	.51682	.46226	.01511	.17240	1.0099	
#3	.01428	.51637	.46321	.01541	.17378	1.0083	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33251	--	--	--	--	--	--
SDev	264.3106	--	--	--	--	--	--
%RSD	.7948880	--	--	--	--	--	--
#1	32968	--	--	--	--	--	--
#2	33295	--	--	--	--	--	--
#3	33491	--	--	--	--	--	--

Method: METTRACE Sample Name: KJRXD/2 Mn Operator: RJG
Run Time: 04/09/08 07:39:50
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00162	46.684	.05008	.03318	.68225	.01036	281.28
SDev	.00033	.100	.00072	.00032	.00048	.00011	1.13
%RSD	20.355	.21498	1.4308	.96064	.07002	1.0855	.40029
#1	.00200	46.590	.05066	.03354	.68193	.01046	282.58
#2	.00140	46.672	.05029	.03292	.68202	.01024	280.67
#3	.00145	46.790	.04928	.03309	.68280	.01038	280.59
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01289	.61044	.06401	.34596	95.031	6.8741	16.553
SDev	.00018	.00194	.00046	.00096	.286	.0187	.059
%RSD	1.4027	.31748	.71599	.27612	.30096	.27134	.35364
#1	.01304	.61262	.06450	.34495	95.361	6.8670	16.620
#2	.01295	.60891	.06392	.34610	94.873	6.8600	16.511
#3	.01269	.60979	.06360	.34685	94.858	6.8952	16.528
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.681	.01248	3.2086	.81068	.05457	.06027	.05837
SDev	.031	.00060	.1201	.00315	.00132	.00127	.00042
%RSD	.24112	4.7924	3.7418	.38893	2.4117	2.1142	.72231
#1	12.716	.01259	3.3351	.81424	.05603	.05880	.05788
#2	12.661	.01184	3.1944	.80956	.05418	.06085	.05863
#3	12.665	.01303	3.0963	.80824	.05349	.06114	.05859
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00179	-.00214	-.00083	.00710	.01472	.01218	1.3896
SDev	.00129	.00140	.00052	.00241	.00052	.00087	.0021
%RSD	72.281	65.661	62.051	33.986	3.5058	7.1259	.15010
#1	.00045	-.00059	-.00024	.00944	.01438	.01273	1.3900
#2	.00189	-.00250	-.00104	.00462	.01446	.01118	1.3874

#3	.00302	-.00332	-.00121	.00725	.01531	.01263	1.3915
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00269	1.4119	.22083	.00473	.06839	2.2974	
SDev	.00023	.0011	.00023	.00145	.00021	.0031	
%RSD	8.7217	.07973	.10409	30.764	.30316	.13564	
#1	.00263	1.4114	.22109	.00541	.06823	2.3009	
#2	.00294	1.4111	.22074	.00306	.06862	2.2949	
#3	.00249	1.4132	.22065	.00572	.06831	2.2965	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34409	--	--	--	--	--	--
SDev	117.1446	--	--	--	--	--	--
%RSD	.3404510	--	--	--	--	--	--
#1	34456	--	--	--	--	--	--
#2	34495	--	--	--	--	--	--
#3	34275	--	--	--	--	--	--

Method: METTRACE Sample Name: KJRXDP10 Mn Operator: RJG
Run Time: 04/09/08 07:45:19
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	10.447	.01160	.00743	.15173	.00247	64.924
SDev	.00052	.040	.00051	.00041	.00038	.00006	.033
%RSD	318.93	.38466	4.3486	5.5585	.25310	2.2680	.05015
#1	.00016	10.472	.01215	.00769	.15181	.00253	64.954
#2	-.00077	10.468	.01151	.00695	.15207	.00248	64.930
#3	.00012	10.401	.01115	.00764	.15131	.00242	64.889

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00273	.14051	.01429	.07526	21.736	1.5330	3.7555
SDev	.00008	.00043	.00032	.00038	.017	.0046	.0011
%RSD	2.8603	.30386	2.2208	.51153	.07848	.29684	.02907
#1	.00281	.14077	.01438	.07570	21.745	1.5382	3.7567
#2	.00275	.14074	.01393	.07507	21.747	1.5310	3.7548
#3	.00265	.14002	.01454	.07500	21.716	1.5297	3.7549

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.8940	.00246	.23814	.18588	.01365	.01373	.01371
SDev	.0015	.00064	.22925	.00069	.00210	.00161	.00040
%RSD	.05219	26.112	96.268	.36904	15.362	11.701	2.9050
#1	2.8951	.00284	.17004	.18662	.01299	.01452	.01401
#2	2.8947	.00283	.05065	.18528	.01197	.01479	.01385
#3	2.8923	.00172	.49373	.18573	.01600	.01188	.01325

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00067	-.00075	-.00073	.00186	.00282	.00250	.30208
SDev	.00197	.00099	.00044	.00230	.00199	.00097	.00440
%RSD	294.31	131.32	60.104	123.44	70.516	38.921	1.4580
#1	.00002	-.00034	-.00022	.00207	.00104	.00138	.30554
#2	.00087	-.00189	-.00097	-.00053	.00497	.00314	.30359
#3	-.00289	-.00004	-.00099	.00406	.00246	.00299	.29712

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00058	.31490	.04938	.00158	.01579	.53391
SDev	.00070	.00108	.00014	.00106	.00001	.00094
%RSD	122.19	.34356	.28681	67.309	.08987	.17591
#1	.00046	.31522	.04944	.00127	.01579	.53471
#2	-.00006	.31578	.04922	.00071	.01577	.53415
#3	.00133	.31369	.04948	.00276	.01579	.53288

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31386	--	--	--	--	--	--
SDev	53.23291	--	--	--	--	--	--
%RSD	.1696083	--	--	--	--	--	--
#1	31367	--	--	--	--	--	--
#2	31446	--	--	--	--	--	--
#3	31344	--	--	--	--	--	--

Method: METTRACE Sample Name: KJRXDS/2 Mn Operator: RJG
Run Time: 04/09/08 07:50:48
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02374	58.691	.84879	.37776	1.5536	.03188	257.47
SDev	.00012	.092	.00202	.00051	.0026	.00012	.68
%RSD	.48984	.15756	.23847	.13449	.16783	.37501	.26299
#1	.02364	58.797	.84793	.37735	1.5563	.03176	256.69
#2	.02387	58.650	.84733	.37833	1.5532	.03200	257.82
#3	.02371	58.626	.85110	.37759	1.5512	.03187	257.90
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03062	.79086	.16278	.48461	125.17	7.7106	20.822
SDev	.00016	.00191	.00052	.00094	.18	.0129	.036
%RSD	.53858	.24102	.32151	.19368	.14540	.16684	.17396
#1	.03044	.78866	.16219	.48554	124.97	7.7245	20.780
#2	.03064	.79209	.16316	.48462	125.26	7.7083	20.844
#3	.03077	.79181	.16300	.48366	125.30	7.6991	20.841
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.498	.01319	2.9783	.99855	.26907	.26901	.26903
SDev	.018	.00060	.1547	.00250	.00315	.00215	.00083
%RSD	.14354	4.5852	5.1935	.25059	1.1724	.79779	.30902
#1	12.477	.01275	2.8940	.99629	.27244	.26660	.26854
#2	12.509	.01295	2.8841	1.0012	.26855	.27070	.26999
#3	12.508	.01388	3.1568	.99812	.26620	.26973	.26855
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00229	.00117	.00002	.78588	.78897	.78794	2.5108
SDev	.00316	.00125	.00140	.00405	.00176	.00211	.0028
%RSD	137.98	106.45	7219.2	.51603	.22319	.26786	.11043
#1	-.00590	.00085	-.00140	.78898	.79090	.79026	2.5106
#2	-.00090	.00255	.00140	.78736	.78745	.78742	2.5082

#3	-.00006	.00011	.00006	.78129	.78855	.78613	2.5137
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00590	1.5517	.33768	.75231	.27592	2.4597	
SDev	.00130	.0019	.00048	.00515	.00139	.0023	
%RSD	21.976	.11926	.14281	.68525	.50271	.09287	
#1	.00458	1.5537	.33714	.74657	.27436	2.4578	
#2	.00596	1.5515	.33782	.75654	.27639	2.4623	
#3	.00717	1.5500	.33808	.75382	.27701	2.4592	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35369	--	--	--	--	--	--
SDev	93.25535	--	--	--	--	--	--
%RSD	.2636641	--	--	--	--	--	--
#1	35295	--	--	--	--	--	--
#2	35339	--	--	--	--	--	--
#3	35474	--	--	--	--	--	--

Method: METTRACE Sample Name: KJRXDD/2 Mn Operator: RJG
Run Time: 04/09/08 07:56:17
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02305	48.105	.84651	.36634	1.4176	.02976	226.48
SDev	.00026	.211	.00389	.00207	.0091	.00017	1.23
%RSD	1.1487	.43929	.45979	.56406	.64261	.57746	.54340
#1	.02335	47.982	.84432	.36523	1.4146	.02979	226.47
#2	.02285	48.349	.85101	.36873	1.4278	.02992	227.71
#3	.02294	47.984	.84421	.36507	1.4103	.02958	225.25
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02986	.80152	.14535	.43041	105.51	6.4051	16.991
SDev	.00023	.00387	.00056	.00252	.60	.0396	.098
%RSD	.77313	.48272	.38727	.58624	.57278	.61760	.57478
#1	.03005	.80099	.14546	.42953	105.49	6.3966	16.988
#2	.02992	.80563	.14585	.43326	106.13	6.4482	17.090
#3	.02960	.79795	.14474	.42845	104.92	6.3704	16.895
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.219	.01215	3.2332	.95612	.25971	.26019	.26003
SDev	.066	.00080	.1404	.00525	.00199	.00185	.00172
%RSD	.54175	6.6075	4.3419	.54892	.76776	.71245	.66217
#1	12.209	.01229	3.3452	.95520	.26193	.26099	.26130
#2	12.290	.01128	3.0757	.96177	.25912	.26151	.26071
#3	12.159	.01286	3.2787	.95139	.25807	.25807	.25807
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00331	.00066	-.00066	.77556	.77885	.77776	1.5210
SDev	.00028	.00030	.00027	.00778	.00609	.00663	.0069
%RSD	8.4934	45.490	41.679	1.0036	.78139	.85223	.45081
#1	-.00303	.00100	-.00034	.77832	.77985	.77934	1.5178
#2	-.00359	.00057	-.00082	.78158	.78438	.78344	1.5289

#3	-.00329	.00042	-.00082	.76677	.77233	.77048	1.5163
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00373	1.4021	.20684	.73750	.25965	2.3218	
SDev	.00049	.0096	.00117	.00634	.00145	.0121	
%RSD	13.046	.68375	.56516	.85905	.55940	.52083	
#1	.00372	1.3977	.20634	.73149	.26061	2.3200	
#2	.00422	1.4131	.20817	.74411	.26037	2.3346	
#3	.00324	1.3955	.20600	.73689	.25798	2.3107	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34583	--	--	--	--	--	--
SDev	121.8646	--	--	--	--	--	--
%RSD	.3523873	--	--	--	--	--	--
#1	34639	--	--	--	--	--	--
#2	34443	--	--	--	--	--	--
#3	34666	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-1 MET1613-08 Operator: RJG
Run Time: 04/09/08 08:01:47
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0244	24.699	.50932	2.0222	1.9988	2.0103	50.166
SDev	.0001	.047	.00078	.0059	.0003	.0032	.103
%RSD	.01189	.19052	.15405	.29387	.01739	.16099	.20488
#1	1.0245	24.691	.50946	2.0168	1.9989	2.0067	50.057
#2	1.0242	24.656	.50847	2.0212	1.9984	2.0113	50.181
#3	1.0244	24.749	.51002	2.0285	1.9991	2.0129	50.261
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49342	1.9844	1.9916	2.0409	25.331	124.61	49.842
SDev	.00126	.0026	.0028	.0025	.040	.10	.094
%RSD	.25496	.13303	.14264	.12312	.15909	.07741	.18908
#1	.49229	1.9814	1.9886	2.0397	25.289	124.56	49.749
#2	.49320	1.9854	1.9921	2.0392	25.337	124.54	49.841
#3	.49477	1.9864	1.9942	2.0438	25.369	124.72	49.937
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9734	2.0066	124.31	1.9731	.50244	.49819	.49961
SDev	.0035	.0141	.38	.0021	.00517	.00063	.00210
%RSD	.17842	.70204	.30413	.10404	1.0287	.12661	.42010
#1	1.9695	1.9907	124.33	1.9710	.49660	.49764	.49730
#2	1.9740	2.0111	123.92	1.9751	.50431	.49806	.50014
#3	1.9765	2.0178	124.68	1.9733	.50642	.49888	.50139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50898	.51380	.51220	.51211	.50354	.50639	1.9577
SDev	.00294	.00397	.00255	.00497	.00246	.00318	.0049
%RSD	.57694	.77327	.49826	.97110	.48938	.62870	.25201
#1	.51183	.51033	.51083	.50669	.50075	.50272	1.9554
#2	.50597	.51294	.51062	.51320	.50542	.50801	1.9544

#3	.50914	.51813	.51514	.51645	.50445	.50844	1.9634
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9808	1.9699	2.0080	.99967	2.0119	2.0352	
SDev	.0047	.0006	.0012	.00691	.0012	.0030	
%RSD	.23927	.03059	.06120	.69131	.05870	.14778	
#1	1.9781	1.9692	2.0068	.99172	2.0105	2.0317	
#2	1.9780	1.9701	2.0079	1.0030	2.0125	2.0370	
#3	1.9863	1.9704	2.0092	1.0042	2.0126	2.0369	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29846	--	--	--	--	--	--
SDev	65.07610	--	--	--	--	--	--
%RSD	.2180372	--	--	--	--	--	--
#1	29818	--	--	--	--	--	--
#2	29800	--	--	--	--	--	--
#3	29921	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB1 Operator: RJG
Run Time: 04/09/08 08:07:16
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00090	-.00059	-.00061	.00447	-.00020	.00011	-.00028
SDev	.00013	.00315	.00068	.00105	.00009	.00002	.00077
%RSD	14.074	538.11	112.04	23.574	43.565	19.372	273.39
#1	-.00078	-.00191	-.00036	.00563	-.00022	.00013	-.00006
#2	-.00103	-.00286	-.00008	.00421	-.00027	.00009	-.00114
#3	-.00090	.00301	-.00139	.00357	-.00010	.00010	.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	-.00054	-.00053	-.00098	-.01164	.24136	-.00192
SDev	.00019	.00019	.00017	.00014	.01041	.00244	.00097
%RSD	137.83	35.524	30.988	14.106	89.475	1.0118	50.393
#1	-.00006	-.00062	-.00069	-.00082	-.01046	.24116	-.00190
#2	-.00036	-.00069	-.00055	-.00109	-.02259	.23902	-.00096
#3	.00000	-.00032	-.00036	-.00102	-.00186	.24390	-.00289
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.00524	-.63496	-.00132	.00116	-.00033	.00017
SDev	.00005	.00219	.14705	.00039	.00182	.00172	.00065
%RSD	112.49	41.876	23.159	29.859	157.64	524.61	391.40
#1	-.00002	.00763	-.65299	-.00177	.00172	.00001	.00058
#2	-.00002	.00478	-.77216	-.00107	.00263	-.00219	-.00058
#3	-.00010	.00331	-.47973	-.00112	-.00088	.00120	.00051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00068	-.00087	-.00080	-.00144	.00069	-.00002	-.01129
SDev	.00254	.00167	.00083	.00209	.00191	.00076	.00027
%RSD	375.08	192.34	103.00	144.99	276.48	4121.3	2.4161
#1	-.00120	.00076	.00011	-.00188	-.00007	-.00067	-.01148
#2	-.00292	-.00080	-.00150	.00083	-.00072	-.00021	-.01140

#3	.00208	-.00257	-.00102	-.00328	.00287	.00082	-.01098
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00268	-.00010	-.00011	.00310	-.00028	.00003	
SDev	.00126	.00002	.00022	.00043	.00025	.00006	
%RSD	46.963	20.655	209.34	13.931	89.695	223.06	
#1	.00404	-.00008	-.00017	.00336	-.00022	.00008	
#2	.00245	-.00012	-.00028	.00335	-.00006	.00003	
#3	.00156	-.00009	.00014	.00260	-.00055	-.00003	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30455	--	--	--	--	--	--
SDev	115.3588	--	--	--	--	--	--
%RSD	.3787907	--	--	--	--	--	--
#1	30580	--	--	--	--	--	--
#2	30430	--	--	--	--	--	--
#3	30353	--	--	--	--	--	--

Method: METTRACE Sample Name: KKT94B Operator: RJG
Run Time: 04/09/08 08:12:46
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00042	.00170	-.00087	.00159	-.00013	.00014	.00606
SDev	.00014	.00227	.00130	.00022	.00005	.00006	.00069
%RSD	33.472	133.07	149.25	13.901	42.463	47.159	11.360
#1	-.00039	-.00028	-.00063	.00179	-.00018	.00007	.00532
#2	-.00030	.00418	.00029	.00165	-.00007	.00020	.00615
#3	-.00057	.00121	-.00228	.00135	-.00012	.00014	.00669
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.00014	.00060	-.00051	.00353	.24179	.00064
SDev	.00014	.00032	.00028	.00011	.00398	.00038	.00056
%RSD	107.53	235.86	47.689	20.802	112.74	.15503	87.153
#1	-.00027	-.00022	.00090	-.00056	-.00037	.24221	.00097
#2	-.00013	.00024	.00055	-.00058	.00759	.24168	-.00000
#3	.00001	.00039	.00034	-.00039	.00338	.24148	.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00218	-.61506	.00040	.00649	-.00282	.00028
SDev	.00000	.00030	.27530	.00044	.00356	.00244	.00059
%RSD	6.4025	13.880	44.761	109.63	54.913	86.372	210.30
#1	.00004	.00237	-.93253	.00074	.01060	-.00556	-.00018
#2	.00003	.00234	-.44225	.00057	.00427	-.00202	.00007
#3	.00003	.00183	-.47039	-.00010	.00460	-.00088	.00094
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00365	.00148	-.00023	-.00012	.00119	.00075	.01130
SDev	.00339	.00255	.00096	.00290	.00155	.00114	.00258
%RSD	92.737	172.03	426.21	2342.4	130.12	150.67	22.857
#1	-.00744	.00429	.00038	.00127	-.00060	.00002	.01026
#2	-.00092	.00087	.00028	-.00346	.00199	.00017	.00939

#3	-.00259	-.00071	-.00134	.00182	.00219	.00206	.01424
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.03128	.00000	.00003	-.00191	.00028	.00302	
SDev	.00054	.00005	.00039	.00322	.00029	.00004	
%RSD	1.7315	1382.7	1213.5	168.28	103.36	1.4002	
#1	.03186	.00005	-.00040	-.00486	.00061	.00302	
#2	.03122	-.00005	.00035	-.00240	.00011	.00298	
#3	.03078	.00001	.00014	.00152	.00011	.00307	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30119	--	--	--	--	--	--
SDev	177.3194	--	--	--	--	--	--
%RSD	.5887248	--	--	--	--	--	--
#1	29919	--	--	--	--	--	--
#2	30183	--	--	--	--	--	--
#3	30256	--	--	--	--	--	--

Method: METTRACE Sample Name: KKT94C Operator: RJG
Run Time: 04/09/08 08:18:16
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05173	2.0148	1.9766	.96915	1.9851	.05131	50.460
SDev	.00054	.0066	.0027	.00268	.0058	.00007	.144
%RSD	1.0395	.32977	.13692	.27607	.29185	.14418	.28516
#1	.05231	2.0224	1.9796	.97167	1.9881	.05140	50.607
#2	.05165	2.0121	1.9757	.96944	1.9888	.05129	50.454
#3	.05124	2.0100	1.9744	.96634	1.9784	.05126	50.320
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04929	.48845	.20339	.25704	.93511	47.317	50.041
SDev	.00007	.00156	.00095	.00109	.01063	.146	.146
%RSD	.15269	.32046	.46780	.42451	1.1368	.30932	.29208
#1	.04937	.49022	.20434	.25822	.94604	47.414	50.191
#2	.04923	.48786	.20337	.25683	.92480	47.387	50.035
#3	.04926	.48726	.20244	.25607	.93449	47.148	49.899
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50247	1.0225	49.487	.49381	.49623	.49601	.49608
SDev	.00130	.0017	.217	.00213	.00364	.00269	.00213
%RSD	.25805	.16578	.43750	.43123	.73315	.54305	.42860
#1	.50362	1.0208	49.689	.49391	.49665	.49909	.49827
#2	.50273	1.0242	49.514	.49589	.49965	.49409	.49594
#3	.50107	1.0224	49.258	.49163	.49241	.49484	.49403
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50055	.49986	.50009	1.9296	1.9431	1.9386	L3.9355
SDev	.00062	.00204	.00133	.0106	.0072	.0079	.0091
%RSD	.12424	.40796	.26597	.55065	.37125	.40743	.23234
#1	.50018	.49815	.49883	1.9335	1.9500	1.9445	L3.9412
#2	.50020	.50212	.50148	1.9378	1.9436	1.9416	L3.9404

#3	.50127	.49931	.49996	1.9176	1.9356	1.9296	L3.9250
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	2.0095	.98334	1.0170	1.9608	.50878	.50945	
SDev	.0050	.00332	.0031	.0032	.00209	.00157	
%RSD	.24774	.33812	.30656	.16253	.41134	.30905	
#1	2.0127	.98491	1.0190	1.9581	.51014	.51057	
#2	2.0121	.98558	1.0185	1.9643	.50982	.51012	
#3	2.0038	.97952	1.0134	1.9600	.50637	.50765	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29550	--	--	--	--	--	--
SDev	93.44144	--	--	--	--	--	--
%RSD	.3162174	--	--	--	--	--	--
#1	29474	--	--	--	--	--	--
#2	29521	--	--	--	--	--	--
#3	29654	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWF0 Operator: RJG
Run Time: 04/09/08 08:23:46
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00139	164.17	.00781	.00828	.80090	.00722	4.6456
SDev	.00042	.12	.00111	.00007	.00057	.00005	.0071
%RSD	30.556	.07300	14.221	.81349	.07123	.65355	.15239
#1	-.00105	164.31	.00725	.00835	.80146	.00727	4.6426
#2	-.00125	164.12	.00908	.00827	.80092	.00718	4.6537
#3	-.00187	164.08	.00708	.00821	.80032	.00723	4.6405
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00071	.04425	.07696	.05982	112.40	6.1050	19.858
SDev	.00004	.00028	.00040	.00042	.15	.0266	.026
%RSD	5.9024	.63882	.52116	.70696	.13467	.43567	.13067
#1	-.00072	.04396	.07720	.06009	112.39	6.1273	19.862
#2	-.00067	.04453	.07719	.06002	112.56	6.1122	19.882
#3	-.00075	.04427	.07650	.05933	112.25	6.0755	19.831
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6588	.00282	.26256	.04045	.06068	.05512	.05697
SDev	.0024	.00099	.12871	.00050	.00380	.00218	.00019
%RSD	.09184	34.974	49.020	1.2405	6.2542	3.9567	.33520
#1	2.6598	.00394	.16054	.04024	.06450	.05292	.05678
#2	2.6605	.00244	.40716	.04103	.06064	.05516	.05698
#3	2.6560	.00208	.21999	.04009	.05691	.05728	.05716
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00116	.00009	-.00033	.00008	.00682	.00458	5.1182
SDev	.00125	.00014	.00043	.00292	.00056	.00074	.0062
%RSD	107.76	156.76	130.25	3656.0	8.1506	16.087	.12146
#1	-.00214	.00021	-.00058	.00195	.00620	.00478	5.1217
#2	.00025	.00012	.00017	.00158	.00699	.00518	5.1218

#3	-.00159	-.00006	-.00057	-.00329	.00727	.00376	5.1110
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01875	.05784	3.8037	.00741	.18339	.36390	
SDev	.00038	.00004	.0008	.00153	.00134	.00060	
%RSD	2.0167	.07663	.02015	20.621	.73305	.16452	
#1	.01859	.05788	3.8043	.00625	.18484	.36448	
#2	.01848	.05780	3.8039	.00914	.18313	.36394	
#3	.01918	.05783	3.8028	.00683	.18219	.36329	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35869	--	--	--	--	--	--
SDev	162.9541	--	--	--	--	--	--
%RSD	.4543087	--	--	--	--	--	--
#1	35690	--	--	--	--	--	--
#2	35905	--	--	--	--	--	--
#3	36010	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWF1 Operator: RJG
Run Time: 04/09/08 08:29:16
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00118	109.07	.00377	.00528	.46773	.00817	3.4349
SDev	.00023	.46	.00039	.00032	.00221	.00002	.0106
%RSD	19.857	.42400	10.444	6.0371	.47333	.17983	.30789
#1	-.00094	109.58	.00406	.00543	.47016	.00818	3.4471
#2	-.00140	108.94	.00393	.00548	.46717	.00817	3.4288
#3	-.00119	108.69	.00332	.00491	.46584	.00815	3.4289
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00076	.03929	.02480	.06323	86.758	4.1538	26.364
SDev	.00003	.00023	.00028	.00065	.260	.0291	.084
%RSD	3.7043	.59044	1.1285	1.0278	.29996	.70169	.31683
#1	-.00074	.03937	.02491	.06398	87.045	4.1851	26.460
#2	-.00079	.03902	.02449	.06285	86.692	4.1490	26.325
#3	-.00075	.03946	.02502	.06285	86.537	4.1274	26.308
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9891	-.00014	.52416	.01606	.02934	.02880	.02898
SDev	.0079	.00027	.01730	.00074	.00243	.00162	.00036
%RSD	.26564	196.34	3.3011	4.6334	8.2909	5.6125	1.2495
#1	2.9981	.00017	.50934	.01625	.02737	.02972	.02894
#2	2.9863	-.00036	.54318	.01524	.03206	.02693	.02864
#3	2.9830	-.00023	.51997	.01669	.02859	.02974	.02936
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00191	-.00054	-.00100	-.00311	.00341	.00124	3.2150
SDev	.00108	.00071	.00034	.00212	.00185	.00077	.0155
%RSD	56.369	130.59	34.374	68.159	54.119	62.205	.48064
#1	-.00130	-.00031	-.00064	-.00486	.00380	.00092	3.2322
#2	-.00315	.00002	-.00104	-.00075	.00140	.00068	3.2106

#3	-.00128	-.00134	-.00132	-.00371	.00504	.00212	3.2022
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01387	.03409	3.6568	.00658	.12124	.38793	
SDev	.00087	.00017	.0100	.00026	.00053	.00118	
%RSD	6.2913	.48667	.27422	3.8716	.43838	.30435	
#1	.01476	.03426	3.6679	.00683	.12185	.38924	
#2	.01301	.03409	3.6541	.00659	.12098	.38761	
#3	.01384	.03393	3.6484	.00632	.12089	.38694	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38383	--	--	--	--	--	--
SDev	85.96869	--	--	--	--	--	--
%RSD	.2239779	--	--	--	--	--	--
#1	38292	--	--	--	--	--	--
#2	38393	--	--	--	--	--	--
#3	38463	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFP Operator: RJG
Run Time: 04/09/08 08:34:46
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00084	173.28	.02766	.01193	.86981	.01001	8.5381
SDev	.00031	.24	.00028	.00027	.00173	.00002	.0150
%RSD	37.362	.13690	1.0204	2.2353	.19933	.19341	.17622
#1	.00058	173.54	.02787	.01190	.87166	.01003	8.5434
#2	.00118	173.07	.02777	.01220	.86821	.01001	8.5498
#3	.00075	173.24	.02734	.01167	.86957	.00999	8.5211
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00163	.12711	.34542	.20258	306.58	12.834	33.911
SDev	.00008	.00055	.00070	.00033	.35	.028	.047
%RSD	4.9422	.43563	.20189	.16099	.11438	.21817	.14002
#1	-.00156	.12749	.34550	.20283	306.73	12.862	33.917
#2	-.00171	.12737	.34607	.20221	306.83	12.806	33.955
#3	-.00160	.12648	.34468	.20270	306.18	12.833	33.860
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7272	.00351	-.30044	.12635	.22384	.22439	.22421
SDev	.0063	.00063	.14393	.00035	.00235	.00197	.00106
%RSD	.11020	17.784	47.908	.28050	1.0517	.87562	.47083
#1	5.7314	.00423	-.16425	.12656	.22283	.22319	.22307
#2	5.7303	.00316	-.28605	.12594	.22653	.22332	.22439
#3	5.7199	.00315	-.45103	.12656	.22216	.22666	.22516
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00033	.00039	.00015	.00033	.01707	.01149	5.3253
SDev	.00256	.00039	.00073	.00271	.00136	.00045	.0054
%RSD	771.68	98.602	479.39	811.58	7.9908	3.8909	.10135
#1	-.00115	.00081	.00016	.00345	.01577	.01167	5.3304
#2	-.00239	.00032	-.00058	-.00092	.01693	.01099	5.3196

#3	.00254	.00004	.00088	-.00152	.01849	.01183	5.3260
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01948	.05146	4.4523	.01647	.53812	.54050	
SDev	.00140	.00014	.0053	.00092	.00068	.00065	
%RSD	7.2106	.27603	.11951	5.5822	.12600	.12044	
#1	.02052	.05162	4.4569	.01747	.53871	.54086	
#2	.01788	.05141	4.4536	.01628	.53827	.54088	
#3	.02004	.05135	4.4465	.01566	.53738	.53974	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34716	--	--	--	--	--	--
SDev	44.80613	--	--	--	--	--	--
%RSD	.1290657	--	--	--	--	--	--
#1	34728	--	--	--	--	--	--
#2	34666	--	--	--	--	--	--
#3	34753	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFPP5 Operator: RJG
Run Time: 04/09/08 08:40:15
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	39.582	.00634	.00244	.19396	.00240	1.9218
SDev	.00055	.237	.00062	.00027	.00120	.00005	.0047
%RSD	357.65	.59889	9.8086	10.911	.62018	2.2160	.24576
#1	-.00076	39.848	.00660	.00214	.19522	.00234	1.9271
#2	.00030	39.505	.00563	.00261	.19386	.00244	1.9199
#3	.00001	39.393	.00679	.00258	.19282	.00241	1.9183

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00048	.02880	.07736	.04330	68.965	2.9060	7.5773
SDev	.00020	.00015	.00028	.00032	.275	.0201	.0240
%RSD	40.786	.53478	.36695	.72728	.39828	.69271	.31664
#1	-.00070	.02892	.07733	.04353	69.264	2.9292	7.6019
#2	-.00038	.02886	.07766	.04343	68.908	2.8943	7.5761
#3	-.00035	.02863	.07710	.04294	68.724	2.8944	7.5540

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2823	.00066	-.74446	.02790	.05281	.05026	.05111
SDev	.0050	.00068	.09505	.00062	.00230	.00087	.00019
%RSD	.38979	103.02	12.768	2.2194	4.3501	1.7225	.36793
#1	1.2877	.00101	-.82139	.02836	.05108	.05089	.05096
#2	1.2815	-.00012	-.77379	.02720	.05541	.04927	.05132
#3	1.2778	.00108	-.63820	.02816	.05193	.05061	.05105

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00181	-.00004	-.00063	.00021	.00344	.00236	1.2023
SDev	.00126	.00100	.00031	.00051	.00060	.00034	.0072
%RSD	69.539	2653.3	49.793	243.23	17.554	14.337	.60208
#1	-.00173	-.00050	-.00091	.00003	.00300	.00201	1.2107
#2	-.00310	.00111	-.00029	.00078	.00318	.00238	1.1974
#3	-.00059	-.00072	-.00068	-.00019	.00413	.00269	1.1989

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00511	.01156	1.0035	.00309	.12034	.12145
SDev	.00019	.00009	.0048	.00067	.00019	.00049
%RSD	3.7998	.73840	.47693	21.744	.16029	.40179
#1	.00502	.01151	1.0088	.00237	.12048	.12201
#2	.00533	.01166	1.0023	.00318	.12041	.12122
#3	.00498	.01151	.99949	.00371	.12012	.12113

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31290	--	--	--	--	--	--
SDev	116.4093	--	--	--	--	--	--
%RSD	.3720360	--	--	--	--	--	--
#1	31156	--	--	--	--	--	--
#2	31344	--	--	--	--	--	--
#3	31369	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFPS Operator: RJG
Run Time: 04/09/08 08:45:44
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04502	230.50	1.6047	.81178	2.5641	.05147	51.662
SDev	.00050	1.08	.0066	.00213	.0104	.00019	.101
%RSD	1.1175	.46842	.40934	.26225	.40635	.37471	.19589
#1	.04472	231.18	1.6120	.81361	2.5729	.05169	51.750
#2	.04474	231.07	1.6030	.81230	2.5668	.05138	51.686
#3	.04560	229.26	1.5992	.80944	2.5526	.05134	51.552
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03914	.50107	.51618	.39408	273.49	56.001	83.369
SDev	.00013	.00157	.00065	.00184	.78	.377	.213
%RSD	.32986	.31358	.12561	.46572	.28670	.67294	.25515
#1	.03899	.50268	.51692	.39553	274.18	56.110	83.560
#2	.03923	.50098	.51593	.39470	273.65	56.312	83.407
#3	.03919	.49954	.51570	.39202	272.64	55.582	83.140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7434	.79120	42.636	.54631	.63728	.64179	.64029
SDev	.0116	.00105	.254	.00223	.00480	.00542	.00327
%RSD	.24520	.13249	.59655	.40850	.75295	.84432	.51019
#1	4.7542	.79219	42.640	.54700	.64247	.64129	.64168
#2	4.7450	.79010	42.889	.54382	.63300	.64745	.64263
#3	4.7310	.79130	42.381	.54812	.63639	.63664	.63656
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15302	.15088	.15159	1.5410	1.5528	1.5489	8.4321
SDev	.00440	.00331	.00130	.0076	.0066	.0069	.0193
%RSD	2.8749	2.1903	.86000	.49420	.42181	.44341	.22878
#1	.15062	.15428	.15306	1.5484	1.5582	1.5549	8.4373
#2	.15809	.14768	.15115	1.5415	1.5548	1.5504	8.4483

#3	.15034	.15069	.15057	1.5332	1.5455	1.5414	8.4108
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.4394	.88347	6.2007	1.6007	.97338	1.0543	
SDev	.0039	.00368	.0161	.0078	.00328	.0034	
%RSD	.26997	.41703	.25960	.48513	.33740	.31929	
#1	1.4397	.88728	6.2140	1.5923	.97703	1.0579	
#2	1.4431	.88321	6.2052	1.6076	.97245	1.0539	
#3	1.4353	.87992	6.1828	1.6021	.97067	1.0512	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34632	--	--	--	--	--	--
SDev	96.63344	--	--	--	--	--	--
%RSD	.2790295	--	--	--	--	--	--
#1	34556	--	--	--	--	--	--
#2	34599	--	--	--	--	--	--
#3	34741	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFPD Operator: RJG
Run Time: 04/09/08 08:51:14
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04419	211.14	1.5807	.80420	2.5259	.04997	50.077
SDev	.00050	.12	.0020	.00079	.0025	.00010	.084
%RSD	1.1301	.05872	.12804	.09781	.09784	.19092	.16764
#1	.04467	211.06	1.5818	.80448	2.5285	.04994	50.033
#2	.04425	211.28	1.5784	.80480	2.5256	.04990	50.024
#3	.04367	211.09	1.5819	.80331	2.5235	.05008	50.174
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03880	.50330	.50132	.38541	241.56	55.289	81.394
SDev	.00011	.00025	.00075	.00108	.19	.126	.098
%RSD	.28060	.04995	.14972	.28120	.07916	.22867	.12085
#1	.03868	.50321	.50091	.38589	241.53	55.354	81.349
#2	.03886	.50311	.50086	.38617	241.39	55.369	81.326
#3	.03887	.50359	.50218	.38417	241.77	55.143	81.507
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1516	.78872	42.304	.52456	.63881	.63187	.63418
SDev	.0034	.00261	.181	.00172	.00342	.00288	.00259
%RSD	.06582	.33137	.42688	.32796	.53488	.45541	.40844
#1	5.1496	.78616	42.204	.52410	.63859	.63484	.63609
#2	5.1498	.78861	42.512	.52646	.63550	.62910	.63123
#3	5.1556	.79138	42.195	.52312	.64233	.63166	.63521
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16610	.17583	.17259	1.5246	1.5324	1.5298	13.539
SDev	.00199	.00121	.00021	.0002	.0076	.0051	.026
%RSD	1.2008	.68828	.12298	.01206	.49332	.33220	.19129
#1	.16784	.17460	.17235	1.5248	1.5396	1.5347	13.514
#2	.16653	.17586	.17276	1.5244	1.5332	1.5303	13.538

#3	.16393	.17702	.17266	1.5245	1.5245	1.5245	13.566
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.4467	.86419	6.2717	1.5784	.93415	1.0107	
SDev	.0011	.00048	.0013	.0070	.00092	.0004	
%RSD	.07388	.05591	.02142	.44369	.09805	.03476	
#1	1.4456	.86383	6.2732	1.5707	.93345	1.0109	
#2	1.4477	.86399	6.2709	1.5801	.93382	1.0109	
#3	1.4468	.86474	6.2709	1.5844	.93519	1.0103	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34606	--	--	--	--	--	--
SDev	179.4023	--	--	--	--	--	--
%RSD	.5184190	--	--	--	--	--	--
#1	34441	--	--	--	--	--	--
#2	34579	--	--	--	--	--	--
#3	34797	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFQ Operator: RJG
Run Time: 04/09/08 08:56:43
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00113	159.49	.02932	.01597	.95823	.00884	8.1697
SDev	.00027	.23	.00052	.00090	.00136	.00003	.0060
%RSD	24.169	.14230	1.7591	5.6480	.14247	.38893	.07380
#1	.00134	159.29	.02961	.01692	.95841	.00882	8.1720
#2	.00082	159.74	.02873	.01585	.95949	.00882	8.1628
#3	.00124	159.44	.02964	.01513	.95678	.00888	8.1742
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00147	.07389	.21821	.11789	205.71	18.265	36.433
SDev	.00008	.00036	.00030	.00011	.10	.022	.045
%RSD	5.7527	.49258	.13672	.09528	.04745	.11796	.12461
#1	-.00149	.07426	.21842	.11790	205.76	18.283	36.446
#2	-.00154	.07354	.21787	.11799	205.60	18.271	36.382
#3	-.00138	.07386	.21834	.11777	205.76	18.241	36.470
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1909	.00456	-.30518	.09141	.82643	.82313	.82423
SDev	.0005	.00137	.05841	.00070	.00260	.00190	.00121
%RSD	.02402	29.988	19.138	.76972	.31460	.23039	.14631
#1	2.1910	.00612	-.36481	.09186	.82939	.82257	.82484
#2	2.1903	.00403	-.30266	.09177	.82452	.82524	.82500
#3	2.1914	.00354	-.24808	.09060	.82536	.82158	.82284
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00191	.00149	.00036	-.00017	.01104	.00731	3.6196
SDev	.00290	.00036	.00108	.00239	.00169	.00191	.0076
%RSD	152.28	24.385	299.35	1390.6	15.272	26.158	.21063
#1	-.00412	.00168	-.00025	.00201	.01234	.00890	3.6242
#2	.00138	.00172	.00161	.00019	.01165	.00783	3.6239

#3	-.00297	.00107	-.00027	-.00272	.00913	.00519	3.6108
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.02277	.05066	5.4745	.01428	.37588	.50732	
SDev	.00255	.00001	.0021	.00259	.00076	.00038	
%RSD	11.194	.01307	.03800	18.103	.20353	.07413	
#1	.02407	.05065	5.4743	.01681	.37655	.50688	
#2	.01983	.05066	5.4766	.01439	.37505	.50751	
#3	.02440	.05065	5.4725	.01164	.37604	.50756	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35059	--	--	--	--	--	--
SDev	46.19578	--	--	--	--	--	--
%RSD	.1317650	--	--	--	--	--	--
#1	35044	--	--	--	--	--	--
#2	35111	--	--	--	--	--	--
#3	35022	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFR Operator: RJG
Run Time: 04/09/08 09:02:12
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00024	142.97	.02515	.01396	.79362	.00798	6.1885
SDev	.00052	.53	.00142	.00047	.00249	.00009	.0087
%RSD	218.22	.36958	5.6387	3.4014	.31321	1.0987	.14009
#1	.00054	143.28	.02672	.01450	.79576	.00788	6.1851
#2	.00054	142.36	.02479	.01376	.79089	.00801	6.1821
#3	-.00036	143.28	.02395	.01362	.79420	.00805	6.1984
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00157	.08472	.25307	.12512	217.25	13.514	30.534
SDev	.00008	.00027	.00018	.00060	.44	.044	.054
%RSD	4.8849	.31683	.07006	.48208	.20097	.32787	.17741
#1	-.00162	.08500	.25308	.12581	217.24	13.537	30.519
#2	-.00148	.08470	.25288	.12481	216.82	13.463	30.489
#3	-.00161	.08446	.25323	.12473	217.70	13.542	30.594
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9386	.00283	.41133	.09720	.14857	.14287	.14476
SDev	.0054	.00061	.04552	.00025	.00285	.00076	.00045
%RSD	.18254	21.428	11.067	.26061	1.9195	.53336	.31246
#1	2.9395	.00308	.42161	.09696	.14572	.14368	.14436
#2	2.9329	.00327	.45083	.09746	.15142	.14217	.14525
#3	2.9435	.00214	.36154	.09716	.14855	.14275	.14468
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00237	.00173	.00036	.00116	.01011	.00713	11.904
SDev	.00315	.00190	.00028	.00040	.00090	.00054	.036
%RSD	132.74	110.13	77.869	34.157	8.8622	7.5167	.29822
#1	.00125	-.00046	.00011	.00154	.01010	.00725	11.917
#2	-.00397	.00298	.00067	.00118	.00922	.00654	11.864

#3	-.00440	.00266	.00031	.00075	.01101	.00759	11.931
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01704	.04177	5.0665	.01004	.44907	.43577	
SDev	.00075	.00012	.0112	.00147	.00085	.00099	
%RSD	4.4080	.28479	.22026	14.641	.18807	.22702	
#1	.01780	.04189	5.0735	.00977	.44884	.43626	
#2	.01703	.04165	5.0536	.00872	.44837	.43463	
#3	.01629	.04178	5.0724	.01162	.45001	.43642	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33831	--	--	--	--	--	--
SDev	209.3731	--	--	--	--	--	--
%RSD	.6188729	--	--	--	--	--	--
#1	33614	--	--	--	--	--	--
#2	33849	--	--	--	--	--	--
#3	34032	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-2 Operator: RJG
Run Time: 04/09/08 09:07:41
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0239	24.677	.50742	2.0080	1.9860	2.0231	50.464
SDev	.0013	.028	.00290	.0036	.0024	.0067	.154
%RSD	.12242	.11231	.57214	.18037	.11891	.33126	.30561
#1	1.0251	24.709	.50987	2.0049	1.9880	2.0266	50.563
#2	1.0239	24.663	.50817	2.0120	1.9867	2.0274	50.543
#3	1.0226	24.659	.50421	2.0070	1.9834	2.0154	50.286
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49547	1.9863	1.9964	2.0366	25.379	124.20	50.191
SDev	.00152	.0044	.0051	.0007	.085	.35	.161
%RSD	.30681	.22228	.25689	.03276	.33304	.27869	.32135
#1	.49649	1.9900	1.9983	2.0367	25.446	124.57	50.306
#2	.49620	1.9874	2.0003	2.0372	25.407	123.89	50.260
#3	.49373	1.9814	1.9906	2.0359	25.284	124.14	50.007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9866	2.0047	124.38	1.9752	.49854	.50032	.49973
SDev	.0043	.0100	.42	.0049	.00324	.00192	.00036
%RSD	.21521	.50079	.33675	.24802	.65022	.38363	.07182
#1	1.9885	1.9932	124.74	1.9761	.50093	.49938	.49990
#2	1.9896	2.0121	123.92	1.9797	.49985	.49905	.49931
#3	1.9817	2.0087	124.47	1.9700	.49485	.50253	.49997
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51148	.51154	.51152	.50577	.50688	.50651	1.9862
SDev	.00105	.00286	.00156	.00451	.00191	.00161	.0115
%RSD	.20610	.55901	.30438	.89173	.37730	.31798	.58126
#1	.51097	.51309	.51239	.50864	.50474	.50604	1.9973
#2	.51078	.51329	.51246	.50810	.50841	.50831	1.9871

#3	.51270	.50824	.50973	.50057	.50750	.50519	1.9743
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9856	1.9709	2.0160	.99846	2.0240	2.0337	
SDev	.0064	.0018	.0043	.00683	.0040	.0042	
%RSD	.32248	.09058	.21326	.68380	.19767	.20679	
#1	1.9862	1.9717	2.0186	.99100	2.0258	2.0356	
#2	1.9917	1.9721	2.0184	1.0044	2.0269	2.0366	
#3	1.9790	1.9688	2.0110	.99999	2.0195	2.0289	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30127	--	--	--	--	--	--
SDev	47.29958	--	--	--	--	--	--
%RSD	.1570018	--	--	--	--	--	--
#1	30178	--	--	--	--	--	--
#2	30085	--	--	--	--	--	--
#3	30117	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB2 Operator: RJG
Run Time: 04/09/08 09:13:10
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00043	.00072	-.00002	.00499	-.00014	.00030	-.00223
SDev	.00036	.00438	.00064	.00143	.00007	.00003	.00118
%RSD	84.065	608.05	2668.0	28.575	52.761	10.714	53.099
#1	-.00005	.00213	-.00016	.00638	-.00005	.00032	-.00109
#2	-.00077	.00422	-.00059	.00505	-.00017	.00031	-.00215
#3	-.00046	-.00419	.00067	.00353	-.00019	.00026	-.00345
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	.00064	-.00019	-.00117	-.00595	.24019	.00225
SDev	.00006	.00027	.00025	.00016	.01093	.00852	.00222
%RSD	58.577	41.714	135.14	13.857	183.76	3.5480	98.851
#1	-.00004	.00095	-.00017	-.00105	-.00122	.25002	.00481
#2	-.00011	.00054	-.00044	-.00112	.00182	.23567	.00097
#3	-.00016	.00044	.00006	-.00136	-.01845	.23488	.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00584	-.70113	-.00070	.00268	-.00161	-.00018
SDev	.00003	.00256	.22482	.00033	.00238	.00157	.00065
%RSD	1886.9	43.894	32.066	48.149	88.789	96.959	352.13
#1	-.00001	.00867	-.68101	-.00106	.00149	.00001	.00050
#2	.00003	.00516	-.48704	-.00041	.00114	-.00174	-.00078
#3	-.00002	.00368	-.93534	-.00061	.00543	-.00312	-.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00265	.00009	-.00082	.00296	-.00131	.00011	-.00592
SDev	.00313	.00150	.00038	.00477	.00124	.00176	.00153
%RSD	118.31	1587.3	46.353	161.22	94.747	1541.2	25.907
#1	-.00067	-.00026	-.00040	.00248	-.00272	-.00099	-.00551
#2	-.00101	-.00119	-.00113	-.00155	-.00044	-.00081	-.00762

#3	-.00626	.00174	-.00093	.00795	-.00075	.00214	-.00464
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00280	-.00005	-.00021	.00199	.00021	.00001	
SDev	.00136	.00004	.00034	.00182	.00018	.00002	
%RSD	48.608	89.035	161.25	91.405	85.876	180.33	
#1	.00425	-.00001	-.00007	.00404	.00011	.00003	
#2	.00261	-.00010	.00004	.00055	.00011	.00002	
#3	.00154	-.00004	-.00060	.00139	.00043	-.00001	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30533	--	--	--	--	--	--
SDev	116.6417	--	--	--	--	--	--
%RSD	.3820217	--	--	--	--	--	--
#1	30399	--	--	--	--	--	--
#2	30614	--	--	--	--	--	--
#3	30586	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFV Operator: RJG
Run Time: 04/09/08 09:18:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00076	228.60	.02000	.01406	1.4154	.00937	8.2065
SDev	.00062	.52	.00070	.00079	.0002	.00009	.0106
%RSD	81.879	.22557	3.4967	5.5895	.01259	.92301	.12894
#1	.00148	228.17	.01933	.01494	1.4153	.00928	8.2187
#2	.00046	229.17	.01993	.01384	1.4154	.00938	8.1997
#3	.00035	228.48	.02073	.01341	1.4156	.00945	8.2011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00187	.10350	.22933	.14019	265.87	31.564	55.934
SDev	.00007	.00100	.00057	.00024	.17	.058	.075
%RSD	3.9670	.96933	.24842	.16914	.06456	.18422	.13426
#1	-.00180	.10465	.22993	.14039	266.06	31.520	56.018
#2	-.00195	.10300	.22927	.14025	265.77	31.630	55.911
#3	-.00187	.10284	.22879	.13993	265.76	31.543	55.873
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9746	.00303	.72079	.11194	.18582	.18102	.18262
SDev	.0018	.00091	.04725	.00119	.00203	.00229	.00131
%RSD	.06062	30.171	6.5551	1.0614	1.0918	1.2644	.71873
#1	2.9766	.00391	.76647	.11326	.18810	.18022	.18285
#2	2.9738	.00308	.67212	.11096	.18515	.17924	.18121
#3	2.9733	.00209	.72379	.11159	.18421	.18360	.18380
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00129	.00029	.00063	-.00345	.01379	.00805	9.5459
SDev	.00282	.00152	.00050	.00208	.00156	.00038	.0105
%RSD	217.81	517.63	79.587	60.234	11.341	4.6592	.11031
#1	-.00195	.00189	.00061	-.00267	.01295	.00775	9.5353
#2	.00315	.00013	.00113	-.00187	.01282	.00793	9.5563

#3	.00268	-.00114	.00013	-.00580	.01559	.00847	9.5463
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.02570	.05331	8.2284	.01221	.46777	.53480	
SDev	.00103	.00012	.0032	.00262	.00018	.00021	
%RSD	4.0072	.22750	.03901	21.448	.03864	.03895	
#1	.02686	.05343	8.2311	.01446	.46793	.53471	
#2	.02488	.05331	8.2292	.00934	.46781	.53504	
#3	.02537	.05319	8.2249	.01285	.46757	.53465	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33040	--	--	--	--	--	--
SDev	9.718356	--	--	--	--	--	--
%RSD	.0294135	--	--	--	--	--	--
#1	33040	--	--	--	--	--	--
#2	33031	--	--	--	--	--	--
#3	33050	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFW Operator: RJG
Run Time: 04/09/08 09:24:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	98.255	-.00036	.00014	.78484	.00381	1.7010
SDev	.00056	.180	.00043	.00040	.00091	.00006	.0021
%RSD	1971.7	.18337	118.75	289.69	.11617	1.6837	.12423
#1	.00068	98.066	-.00079	.00049	.78427	.00374	1.7019
#2	-.00030	98.425	-.00036	.00024	.78589	.00387	1.6986
#3	-.00029	98.273	.00007	-.00030	.78436	.00382	1.7025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00188	.03066	.01667	-.00103	131.88	45.718	52.877
SDev	.00011	.00035	.00046	.00036	.12	.103	.053
%RSD	5.6083	1.1484	2.7573	35.038	.09411	.22446	.09997
#1	-.00196	.03090	.01717	-.00064	131.95	45.806	52.895
#2	-.00176	.03026	.01655	-.00110	131.73	45.744	52.818
#3	-.00193	.03083	.01628	-.00135	131.95	45.605	52.919
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5004	-.00061	-.99065	.01931	.02228	.01673	.01858
SDev	.0007	.00032	.19012	.00098	.00089	.00037	.00025
%RSD	.04401	52.314	19.192	5.0590	3.9908	2.2324	1.3463
#1	1.4999	-.00024	-.91109	.02004	.02126	.01697	.01840
#2	1.5003	-.00079	-1.2076	.01820	.02285	.01630	.01848
#3	1.5011	-.00079	-.85323	.01969	.02274	.01693	.01887
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00335	.00296	.00086	.00007	.00629	.00422	9.1723
SDev	.00174	.00195	.00093	.00236	.00255	.00112	.0103
%RSD	51.854	66.069	108.62	3356.9	40.522	26.554	.11186
#1	-.00202	.00073	-.00019	-.00158	.00905	.00551	9.1604
#2	-.00271	.00376	.00160	-.00098	.00579	.00353	9.1781

#3	-.00531	.00438	.00115	.00277	.00402	.00361	9.1783
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.04188	.01993	11.113	.00821	.08926	.43352	
SDev	.00051	.00009	.003	.00206	.00076	.00029	
%RSD	1.2179	.46627	.02527	25.072	.84737	.06747	
#1	.04196	.02004	11.113	.00886	.09013	.43329	
#2	.04235	.01989	11.116	.00591	.08895	.43385	
#3	.04134	.01987	11.111	.00987	.08872	.43342	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32570	--	--	--	--	--	--
SDev	241.9258	--	--	--	--	--	--
%RSD	.7427842	--	--	--	--	--	--
#1	32338	--	--	--	--	--	--
#2	32552	--	--	--	--	--	--
#3	32821	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFX Operator: RJG
Run Time: 04/09/08 09:29:38
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	177.31	.00046	-.00139	1.0958	.00650	4.5682
SDev	.00031	1.93	.00082	.00034	.0136	.00008	.0512
%RSD	239.83	1.0868	177.63	24.167	1.2455	1.1798	1.1219
#1	.00048	175.10	-.00015	-.00119	1.0800	.00642	4.5090
#2	-.00008	178.62	.00015	-.00178	1.1040	.00655	4.5975
#3	-.00002	178.21	.00139	-.00119	1.1033	.00654	4.5981
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00134	.03741	.07213	.41763	187.36	58.655	132.14
SDev	.00006	.00051	.00064	.00428	2.18	.516	1.55
%RSD	4.1103	1.3565	.88490	1.0257	1.1615	.87936	1.1740
#1	.00138	.03684	.07140	.41271	184.84	58.061	130.35
#2	.00136	.03755	.07242	.42053	188.65	58.987	133.11
#3	.00127	.03783	.07258	.41966	188.58	58.917	132.97
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9931	.00011	-.42323	.05094	1.4536	1.4552	1.4547
SDev	.0568	.00064	.15883	.00042	.0038	.0109	.0076
%RSD	1.1378	578.33	37.528	.83461	.26025	.74977	.52341
#1	4.9275	-.00030	-.59476	.05061	1.4535	1.4428	1.4464
#2	5.0275	-.00022	-.28124	.05080	1.4573	1.4634	1.4614
#3	5.0242	.00084	-.39369	.05142	1.4498	1.4594	1.4562
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00198	.00021	-.00052	-.00080	.00532	.00328	10.972
SDev	.00227	.00230	.00086	.00074	.00186	.00101	.124
%RSD	114.90	1108.5	165.52	92.194	34.988	30.784	1.1314
#1	-.00437	.00286	.00045	-.00043	.00384	.00242	10.829
#2	.00015	-.00129	-.00081	-.00032	.00471	.00303	11.056

#3	-.00171	-.00094	-.00120	-.00165	.00741	.00439	11.030
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.02941	.03519	5.7422	.01087	.18069	4.3243	
SDev	.00081	.00041	.0654	.00137	.00241	.0459	
%RSD	2.7521	1.1604	1.1385	12.619	1.3331	1.0617	
#1	.02888	.03472	5.6667	.01027	.17791	4.2713	
#2	.02900	.03538	5.7809	.00990	.18200	4.3520	
#3	.03034	.03546	5.7790	.01244	.18216	4.3497	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	40371	--	--	--	--	--	--
SDev	302.4092	--	--	--	--	--	--
%RSD	.7490740	--	--	--	--	--	--
#1	40720	--	--	--	--	--	--
#2	40186	--	--	--	--	--	--
#3	40207	--	--	--	--	--	--

Method: METTRACE Sample Name: KJWFX/2 Int Std Operator: RJG
Run Time: 04/09/08 09:35:07
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	104.78	-.00058	-.00107	.63602	.00393	2.6648
SDev	.00034	.12	.00035	.00035	.00059	.00000	.0065
%RSD	124.56	.11899	59.503	32.444	.09309	.10086	.24335
#1	.00009	104.71	-.00031	-.00123	.63644	.00393	2.6614
#2	-.00033	104.71	-.00046	-.00067	.63534	.00393	2.6723
#3	-.00059	104.93	-.00098	-.00130	.63627	.00392	2.6607
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00051	.02446	.04197	.23911	109.45	35.774	75.903
SDev	.00009	.00017	.00019	.00026	.08	.039	.073
%RSD	16.928	.71540	.44254	.11025	.07210	.10963	.09646
#1	.00044	.02453	.04213	.23885	109.44	35.744	75.862
#2	.00061	.02459	.04200	.23911	109.53	35.759	75.987
#3	.00049	.02426	.04177	.23938	109.37	35.818	75.858
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9100	-.00058	-.50702	.02953	.85237	.84743	.84907
SDev	.0011	.00015	.12166	.00094	.00375	.00606	.00296
%RSD	.03890	25.325	23.995	3.1969	.44024	.71493	.34863
#1	2.9097	-.00063	-.48316	.03062	.85553	.84077	.84568
#2	2.9113	-.00042	-.39905	.02900	.84822	.85262	.85115
#3	2.9090	-.00070	-.63884	.02898	.85335	.84891	.85038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00319	.00173	.00009	.00045	.00217	.00159	6.4261
SDev	.00117	.00225	.00112	.00049	.00060	.00042	.0014
%RSD	36.769	130.42	1247.4	109.09	27.860	26.298	.02252
#1	-.00453	.00432	.00137	.00085	.00261	.00202	6.4277
#2	-.00266	.00030	-.00069	-.00010	.00242	.00158	6.4258

#3	-.00237	.00056	-.00042	.00059	.00148	.00118	6.4248
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01716	.02050	3.3621	.00623	.10673	2.5858	
SDev	.00148	.00002	.0017	.00322	.00028	.0016	
%RSD	8.6067	.08962	.05167	51.634	.26523	.06332	
#1	.01778	.02053	3.3619	.00877	.10702	2.5839	
#2	.01822	.02049	3.3639	.00731	.10671	2.5868	
#3	.01547	.02049	3.3605	.00261	.10646	2.5867	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35494	--	--	--	--	--	--
SDev	16.69838	--	--	--	--	--	--
%RSD	.0470456	--	--	--	--	--	--
#1	35488	--	--	--	--	--	--
#2	35513	--	--	--	--	--	--
#3	35481	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ7PQB Operator: RJG
Run Time: 04/09/08 09:40:37
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00084	.00740	.00020	.00014	-.00009	.00021	.03050
SDev	.00034	.00251	.00191	.00077	.00010	.00005	.00157
%RSD	40.340	33.934	959.46	553.90	112.16	20.995	5.1570
#1	-.00121	.00496	-.00025	.00027	-.00015	.00025	.03037
#2	-.00076	.00998	.00229	.00084	.00003	.00022	.03213
#3	-.00055	.00728	-.00144	-.00069	-.00016	.00016	.02900
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	-.00034	-.00032	-.00100	-.00235	.21219	.00192
SDev	.00008	.00051	.00029	.00055	.00990	.00176	.00165
%RSD	55.963	147.94	90.826	55.409	420.86	.83085	85.892
#1	-.00006	-.00048	-.00065	-.00124	-.00219	.21116	.00002
#2	-.00015	.00022	-.00025	-.00036	.00747	.21423	.00287
#3	-.00022	-.00076	-.00008	-.00138	-.01233	.21119	.00288
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	-.00018	-.86631	-.00083	.00066	-.00060	-.00018
SDev	.00003	.00036	.08912	.00058	.00275	.00181	.00029
%RSD	28.119	203.54	10.288	70.279	419.31	303.35	163.36
#1	-.00011	-.00035	-.86819	-.00121	-.00026	-.00005	-.00012
#2	-.00006	-.00042	-.77626	-.00111	-.00152	.00088	.00008
#3	-.00011	.00024	-.95448	-.00016	.00375	-.00261	-.00050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00204	-.00091	-.00128	.00124	-.00138	-.00051	.00656
SDev	.00363	.00246	.00126	.00419	.00284	.00082	.00054
%RSD	178.51	270.73	98.110	337.79	205.53	161.12	8.2927
#1	-.00281	-.00270	-.00273	.00150	-.00026	.00033	.00683
#2	.00192	-.00192	-.00064	-.00307	.00072	-.00054	.00593

#3	-.00522	.00189	-.00047	.00530	-.00460	-.00131	.00691
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00106	-.00012	.00042	.00026	.00005	.00446	
SDev	.00037	.00013	.00022	.00108	.00025	.00012	
%RSD	34.648	108.28	51.819	412.95	477.95	2.5809	
#1	.00118	-.00026	.00035	-.00000	-.00022	.00439	
#2	.00136	-.00008	.00067	-.00066	.00027	.00459	
#3	.00065	-.00002	.00025	.00145	.00010	.00440	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30689	--	--	--	--	--	--
SDev	116.8622	--	--	--	--	--	--
%RSD	.3807992	--	--	--	--	--	--
#1	30815	--	--	--	--	--	--
#2	30668	--	--	--	--	--	--
#3	30584	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ7PQC Operator: RJG
Run Time: 04/09/08 09:46:07
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05341	2.1066	2.0735	1.0249	2.0232	.05227	51.899
SDev	.00062	.0010	.0021	.0008	.0035	.00015	.123
%RSD	1.1612	.04895	.10130	.08082	.17292	.28330	.23696
#1	.05383	2.1054	2.0730	1.0245	2.0272	.05212	51.771
#2	.05371	2.1070	2.0717	1.0243	2.0209	.05229	51.909
#3	.05270	2.1073	2.0758	1.0259	2.0214	.05241	52.016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05060	.50392	.20710	.26503	.94445	51.586	52.115
SDev	.00019	.00063	.00036	.00094	.00651	.072	.105
%RSD	.37678	.12401	.17138	.35481	.68916	.14025	.20084
#1	.05047	.50333	.20727	.26612	.93694	51.659	52.003
#2	.05051	.50386	.20734	.26446	.94798	51.585	52.131
#3	.05082	.50458	.20669	.26452	.94843	51.515	52.211
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51455	L-.00074	52.532	.50589	.51059	.51458	.51325
SDev	.00057	.00014	.019	.00036	.00374	.00068	.00098
%RSD	.11131	19.230	.03595	.07039	.73200	.13186	.19082
#1	.51405	L-.00091	52.538	.50548	.51191	.51388	.51322
#2	.51441	L-.00066	52.547	.50613	.51349	.51462	.51424
#3	.51517	L-.00066	52.511	.50605	.50638	.51523	.51228
Errors	LC Pass	LC Low	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00288	.00013	L-.00088	2.1021	2.0984	2.0996	L.00893
SDev	.00408	.00262	.00040	.0054	.0051	.0047	.00068
%RSD	141.57	2069.1	45.509	.25545	.24514	.22171	7.6250
#1	-.00661	.00241	L-.00059	2.0961	2.0940	2.0947	L.00855
#2	-.00351	.00070	L-.00070	2.1037	2.1041	2.1039	L.00972

#3	.00148	-.00273	L-.00133	2.1065	2.0972	2.1003	L.00853
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L.00072	1.0076	L.00007	2.0290	.52161	.52859	
SDev	.00135	.0013	.00027	.0176	.00028	.00061	
%RSD	188.30	.12549	378.24	.86600	.05327	.11470	
#1	L-.00006	1.0086	L.00004	2.0090	.52173	.52824	
#2	L.00227	1.0062	L-.00018	2.0365	.52129	.52823	
#3	L-.00006	1.0080	L.00035	2.0417	.52181	.52929	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30390	--	--	--	--	--	--
SDev	4.116303	--	--	--	--	--	--
%RSD	.0135452	--	--	--	--	--	--
#1	30389	--	--	--	--	--	--
#2	30386	--	--	--	--	--	--
#3	30394	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ209 Operator: RJG
Run Time: 04/09/08 09:51:37
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00050	.02900	.00022	.02819	.02953	.00018	.24996
SDev	.00062	.00183	.00074	.00051	.00023	.00006	.00196
%RSD	123.76	6.3098	338.64	1.7923	.77623	33.344	.78482
#1	-.00109	.03015	.00037	.02877	.02945	.00023	.24851
#2	-.00058	.02689	.00087	.02799	.02935	.00020	.24918
#3	.00015	.02996	-.00058	.02782	.02979	.00011	.25220
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	.00205	.00247	-.00045	12.553	1.9782	.33348
SDev	.00003	.00036	.00050	.00009	.097	.0180	.00493
%RSD	11.642	17.308	20.171	19.518	.77109	.90877	1.4775
#1	-.00019	.00199	.00203	-.00035	12.507	1.9727	.33152
#2	-.00024	.00173	.00237	-.00047	12.487	1.9636	.32983
#3	-.00023	.00243	.00301	-.00053	12.664	1.9983	.33908
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20799	-.00020	1.9722	.00190	.00335	-.00146	.00014
SDev	.00151	.00053	.1659	.00019	.00217	.00231	.00089
%RSD	.72736	272.45	8.4127	10.177	64.636	158.34	610.87
#1	.20727	-.00042	1.7831	.00186	.00085	.00111	.00103
#2	.20698	-.00058	2.0402	.00211	.00473	-.00213	.00015
#3	.20973	.00041	2.0934	.00173	.00448	-.00335	-.00074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00335	-.00067	-.00156	.00475	-.00113	.00082	3.8153
SDev	.00220	.00167	.00132	.00327	.00172	.00039	.0290
%RSD	65.722	249.38	84.508	68.843	152.03	47.541	.76059
#1	-.00097	-.00139	-.00125	.00132	.00085	.00100	3.7985
#2	-.00377	.00124	-.00043	.00510	-.00199	.00037	3.7985

#3	-.00532	-.00186	-.00301	.00782	-.00227	.00109	3.8488
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00024	.00571	-.00011	.00554	.00009	.00456	
SDev	.00198	.00015	.00025	.00112	.00044	.00012	
%RSD	822.77	2.7134	233.09	20.222	505.56	2.6980	
#1	.00047	.00565	.00004	.00597	-.00008	.00447	
#2	-.00185	.00559	.00004	.00427	-.00024	.00451	
#3	.00209	.00588	-.00039	.00638	.00059	.00470	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30501	--	--	--	--	--	--
SDev	119.1649	--	--	--	--	--	--
%RSD	.3906891	--	--	--	--	--	--
#1	30533	--	--	--	--	--	--
#2	30601	--	--	--	--	--	--
#3	30369	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ20D Operator: RJG
Run Time: 04/09/08 09:57:07
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	.10358	.00048	.06795	.09543	.00019	1.2795
SDev	.00017	.00177	.00028	.00031	.00021	.00005	.0008
%RSD	74.694	1.7119	59.431	.45547	.21916	28.072	.06295
#1	-.00018	.10199	.00065	.06784	.09565	.00020	1.2796
#2	-.00041	.10549	.00015	.06771	.09524	.00023	1.2786
#3	-.00009	.10324	.00063	.06830	.09539	.00013	1.2802
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	.02667	.00098	-.00093	3.1684	2.9053	1.0980
SDev	.00013	.00042	.00017	.00007	.0100	.0080	.0012
%RSD	129.24	1.5553	17.610	7.9354	.31701	.27367	.10856
#1	-.00014	.02636	.00091	-.00085	3.1771	2.9144	1.0984
#2	.00005	.02714	.00118	-.00097	3.1574	2.8998	1.0967
#3	-.00021	.02651	.00086	-.00098	3.1706	2.9017	1.0989
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.6393	-.00039	.82726	.00724	.00361	.00034	.00143
SDev	.0017	.00060	.12191	.00051	.00182	.00069	.00050
%RSD	.10382	153.20	14.737	7.0068	50.310	202.98	34.945
#1	1.6395	.00007	.87646	.00724	.00372	.00096	.00188
#2	1.6375	-.00018	.91689	.00673	.00174	.00047	.00089
#3	1.6409	-.00108	.68844	.00775	.00537	-.00041	.00152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00281	.00032	-.00072	.00527	-.00146	.00078	6.9086
SDev	.00172	.00142	.00042	.00160	.00242	.00125	.0117
%RSD	61.302	439.73	58.787	30.359	165.00	160.74	.16910
#1	-.00115	-.00076	-.00089	.00409	-.00148	.00038	6.9099
#2	-.00269	-.00020	-.00103	.00462	.00096	.00218	6.8964

#3	-.00459	.00193	-.00024	.00709	-.00387	-.00022	6.9197
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00101	.02909	.00028	.00006	.00010	.00903	
SDev	.00181	.00006	.00012	.00073	.00052	.00009	
%RSD	179.57	.21912	43.005	1246.3	521.01	.98102	
#1	.00297	.02912	.00035	-.00064	-.00049	.00898	
#2	-.00060	.02902	.00014	.00081	.00031	.00898	
#3	.00065	.02913	.00035	.00001	.00048	.00914	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30631	--	--	--	--	--	--
SDev	18.47497	--	--	--	--	--	--
%RSD	.0603139	--	--	--	--	--	--
#1	30628	--	--	--	--	--	--
#2	30651	--	--	--	--	--	--
#3	30615	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21C Operator: RJG
Run Time: 04/09/08 10:02:37
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00142	.13233	-.00035	.06590	.02144	.00028	.80552
SDev	.00089	.00406	.00035	.00075	.00014	.00004	.00144
%RSD	62.703	3.0658	98.790	1.1403	.67115	14.558	.17857
#1	-.00122	.13048	-.00006	.06525	.02143	.00027	.80500
#2	-.00239	.12954	-.00074	.06571	.02130	.00033	.80441
#3	-.00064	.13699	-.00026	.06672	.02159	.00025	.80714
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00028	.00184	.00154	.00044	.02746	1.9558	.40647
SDev	.00010	.00035	.00031	.00044	.00593	.0061	.00490
%RSD	33.572	19.009	19.853	100.45	21.593	.31381	1.2051
#1	-.00020	.00157	.00133	.00072	.03056	1.9621	.40975
#2	-.00039	.00171	.00140	-.00007	.02062	1.9499	.40084
#3	-.00026	.00224	.00189	.00068	.03119	1.9556	.40883
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01678	-.00031	3.2270	.00049	-.00052	.00034	.00005
SDev	.00006	.00098	.0782	.00035	.00067	.00034	.00040
%RSD	.33006	321.50	2.4225	71.440	129.50	101.19	740.63
#1	.01681	-.00000	3.3005	.00061	-.00049	.00067	.00029
#2	.01672	-.00141	3.1449	.00009	-.00121	-.00001	-.00041
#3	.01682	.00049	3.2356	.00075	.00014	.00036	.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00057	-.00027	.00001	-.00001	-.00139	-.00093	4.3436
SDev	.00119	.00099	.00098	.00285	.00045	.00091	.0011
%RSD	208.36	361.63	14173.	24163.	32.051	97.623	.02540
#1	-.00079	-.00097	-.00091	.00317	-.00166	-.00005	4.3436
#2	.00107	-.00071	-.00012	-.00088	-.00088	-.00088	4.3426

#3	.00142	.00086	.00105	-.00233	-.00164	-.00187	4.3448
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00149	.03240	.00053	.00087	-.00037	.00481	
SDev	.00179	.00009	.00037	.00126	.00043	.00010	
%RSD	120.27	.28787	70.078	145.39	115.80	2.0506	
#1	.00012	.03239	.00056	.00227	-.00054	.00493	
#2	.00351	.03232	.00014	-.00019	-.00070	.00475	
#3	.00083	.03250	.00088	.00052	.00012	.00476	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30493	--	--	--	--	--	--
SDev	83.02315	--	--	--	--	--	--
%RSD	.2722677	--	--	--	--	--	--
#1	30415	--	--	--	--	--	--
#2	30581	--	--	--	--	--	--
#3	30484	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21D Operator: RJG
Run Time: 04/09/08 10:08:06
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00112	.15183	.00008	.04775	.02201	.00022	.78170
SDev	.00033	.00452	.00087	.00031	.00012	.00004	.00313
%RSD	29.546	2.9758	1050.9	.64323	.55280	20.085	.40013
#1	-.00105	.15502	.00108	.04742	.02201	.00026	.78342
#2	-.00083	.15381	-.00033	.04803	.02214	.00021	.78359
#3	-.00148	.14666	-.00050	.04780	.02189	.00018	.77809
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	.00034	.00189	.00041	.04399	1.9860	.41775
SDev	.00016	.00028	.00042	.00026	.01133	.0106	.00307
%RSD	279.23	82.110	22.366	61.943	25.750	.53140	.73576
#1	-.00002	.00048	.00208	.00062	.05028	1.9739	.41895
#2	.00008	.00052	.00218	.00049	.05078	1.9908	.42004
#3	-.00024	.00002	.00140	.00013	.03092	1.9934	.41426
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01703	.00024	3.3148	.00113	-.00078	-.00003	-.00028
SDev	.00005	.00078	.1242	.00084	.00238	.00107	.00021
%RSD	.26400	331.97	3.7468	73.905	304.69	3994.8	74.238
#1	.01699	-.00026	3.4213	.00125	-.00144	.00056	-.00011
#2	.01708	.00114	3.3446	.00191	-.00277	.00062	-.00051
#3	.01703	-.00017	3.1784	.00024	.00186	-.00126	-.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00027	.00019	.00250	-.00089	.00024	4.3998
SDev	.00214	.00117	.00145	.00299	.00363	.00183	.0063
%RSD	6554.9	436.82	764.94	119.56	408.61	767.43	.14238
#1	.00009	-.00032	-.00018	-.00033	-.00002	-.00012	4.3952
#2	.00214	.00162	.00179	.00220	.00223	.00222	4.3973

#3	-.00214	-.00049	-.00104	.00562	-.00488	-.00138	4.4069
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00017	.03262	.00088	.00176	.00001	.00598	
SDev	.00072	.00006	.00021	.00095	.00019	.00004	
%RSD	412.08	.17116	23.980	54.076	1797.4	.63869	
#1	.00083	.03256	.00088	.00186	.00012	.00595	
#2	-.00060	.03267	.00109	.00265	.00012	.00602	
#3	.00029	.03264	.00067	.00076	-.00021	.00597	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30603	--	--	--	--	--	--
SDev	45.23649	--	--	--	--	--	--
%RSD	.1478154	--	--	--	--	--	--
#1	30656	--	--	--	--	--	--
#2	30576	--	--	--	--	--	--
#3	30579	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-3 Operator: RJG
Run Time: 04/09/08 10:13:36
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0203	24.689	.50782	2.0001	1.9747	2.0214	50.283
SDev	.0031	.059	.00128	.0065	.0094	.0082	.110
%RSD	.30012	.23939	.25270	.32367	.47783	.40521	.21778
#1	1.0213	24.696	.50883	1.9997	1.9774	2.0221	50.260
#2	1.0227	24.744	.50826	2.0068	1.9824	2.0292	50.402
#3	1.0168	24.626	.50638	1.9939	1.9642	2.0129	50.187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49465	1.9808	1.9922	2.0343	25.257	123.69	50.195
SDev	.00141	.0055	.0051	.0086	.082	.11	.126
%RSD	.28467	.27705	.25455	.42180	.32552	.09221	.25109
#1	.49490	1.9814	1.9922	2.0374	25.268	123.68	50.177
#2	.49592	1.9859	1.9973	2.0409	25.334	123.81	50.330
#3	.49314	1.9750	1.9872	2.0246	25.170	123.58	50.080
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9894	1.9996	123.92	1.9655	.49646	.49774	.49731
SDev	.0060	.0099	.09	.0064	.00073	.00199	.00137
%RSD	.30194	.49645	.07082	.32704	.14695	.40002	.27497
#1	1.9900	1.9890	123.82	1.9644	.49572	.49650	.49624
#2	1.9951	2.0086	123.99	1.9724	.49648	.50003	.49885
#3	1.9831	2.0011	123.95	1.9596	.49718	.49668	.49684
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51148	.51038	.51075	.50654	.50663	.50660	1.9639
SDev	.00140	.00161	.00061	.00335	.00237	.00269	.0046
%RSD	.27456	.31540	.11914	.66163	.46870	.53096	.23281
#1	.51039	.51173	.51128	.50476	.50496	.50490	1.9667
#2	.51307	.50860	.51009	.50445	.50557	.50520	1.9664

#3	.51098	.51082	.51087	.51040	.50935	.50970	1.9586
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9794	1.9694	2.0141	.99297	2.0170	2.0259	
SDev	.0050	.0099	.0072	.00471	.0080	.0077	
%RSD	.25202	.50375	.35669	.47462	.39538	.38210	
#1	1.9742	1.9722	2.0150	.98787	2.0202	2.0277	
#2	1.9842	1.9775	2.0207	.99716	2.0230	2.0325	
#3	1.9797	1.9583	2.0064	.99388	2.0080	2.0174	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29873	--	--	--	--	--	--
SDev	79.13734	--	--	--	--	--	--
%RSD	.2649093	--	--	--	--	--	--
#1	29857	--	--	--	--	--	--
#2	29804	--	--	--	--	--	--
#3	29959	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB3 Operator: RJG
Run Time: 04/09/08 10:19:05
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	.00628	-.00036	.00531	-.00013	.00018	-.00322
SDev	.00079	.00200	.00135	.00167	.00007	.00001	.00074
%RSD	296.43	31.836	379.02	31.415	52.696	7.8252	23.023
#1	.00050	.00794	.00099	.00707	-.00005	.00018	-.00242
#2	-.00022	.00406	-.00035	.00510	-.00015	.00020	-.00336
#3	-.00108	.00685	-.00171	.00375	-.00019	.00017	-.00388
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.00040	.00003	-.00118	-.01561	.22492	.00225
SDev	.00018	.00029	.00059	.00055	.01470	.00995	.00494
%RSD	139.96	72.728	1776.8	46.787	94.188	4.4251	219.41
#1	-.00003	.00065	.00061	-.00059	-.00158	.23615	.00771
#2	-.00002	.00046	.00005	-.00128	-.03090	.22142	.00097
#3	-.00034	.00008	-.00056	-.00168	-.01435	.21720	-.00192
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00635	-.50858	-.00012	.00513	-.00244	.00009
SDev	.00007	.00350	.28688	.00080	.00153	.00031	.00037
%RSD	19158.	55.087	56.408	669.42	29.707	12.651	435.82
#1	.00008	.01016	-.38373	.00076	.00403	-.00244	-.00029
#2	-.00002	.00559	-.30528	-.00031	.00687	-.00274	.00046
#3	-.00006	.00330	-.83672	-.00081	.00450	-.00213	.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00391	.00025	-.00114	.00104	-.00285	-.00155	-.01450
SDev	.00262	.00204	.00081	.00252	.00206	.00160	.00080
%RSD	67.040	815.19	70.877	242.96	72.414	103.26	5.4890
#1	-.00669	.00256	-.00052	.00004	-.00508	-.00337	-.01370
#2	-.00359	-.00128	-.00205	.00391	-.00246	-.00034	-.01529

#3	-.00147	-.00053	-.00085	-.00083	-.00101	-.00095	-.01452
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00185	-.00008	-.00003	.00347	.00027	.00000	
SDev	.00193	.00025	.00027	.00086	.00049	.00010	
%RSD	104.32	301.89	771.21	24.826	183.81	7692.6	
#1	.00102	.00011	.00025	.00426	.00076	.00011	
#2	.00405	.00001	-.00028	.00255	.00026	-.00001	
#3	.00048	-.00036	-.00007	.00360	-.00022	-.00010	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30452	--	--	--	--	--	--
SDev	75.25590	--	--	--	--	--	--
%RSD	.2471271	--	--	--	--	--	--
#1	30383	--	--	--	--	--	--
#2	30532	--	--	--	--	--	--
#3	30442	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21E Operator: RJG
Run Time: 04/09/08 10:25:42
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00086	.06282	.01332	.02789	.03972	.00025	1.3392
SDev	.00148	.00387	.00130	.00071	.00023	.00005	.0048
%RSD	172.13	6.1681	9.7737	2.5287	.57502	18.520	.35482
#1	-.00015	.06282	.01479	.02792	.03953	.00028	1.3362
#2	.00013	.06669	.01280	.02858	.03997	.00027	1.3447
#3	-.00255	.05894	.01235	.02717	.03967	.00019	1.3368
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	.01688	-.00005	-.00146	7.8863	2.9740	1.6801
SDev	.00016	.00038	.00064	.00061	.0271	.0033	.0085
%RSD	45.387	2.2307	1252.6	42.050	.34386	.11170	.50838
#1	-.00054	.01690	.00034	-.00116	7.8707	2.9702	1.6773
#2	-.00022	.01724	.00030	-.00105	7.9176	2.9763	1.6897
#3	-.00032	.01649	-.00078	-.00216	7.8705	2.9755	1.6733
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.63938	.00045	.82834	.01323	.00096	-.00062	-.00009
SDev	.00172	.00058	.21925	.00119	.00287	.00172	.00085
%RSD	.26839	128.49	26.469	8.9976	299.52	277.68	925.38
#1	.63741	.00056	1.0343	.01377	.00417	-.00230	-.00015
#2	.64058	.00098	.85295	.01405	.00010	.00113	.00079
#3	.64014	-.00018	.59783	.01186	-.00139	-.00068	-.00092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00183	.00010	-.00055	.00225	-.00171	-.00039	7.1877
SDev	.00011	.00061	.00043	.00162	.00066	.00029	.0259
%RSD	5.9448	629.52	78.526	72.193	38.760	73.260	.36056
#1	-.00182	-.00046	-.00091	.00400	-.00217	-.00012	7.1612
#2	-.00195	-.00000	-.00065	.00195	-.00201	-.00069	7.1888

#3	-.00173	.00075	-.00007	.00079	-.00095	-.00037	7.2130
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00047	.02986	-.00014	.00125	-.00046	.05438	
SDev	.00082	.00018	.00040	.00166	.00123	.00019	
%RSD	172.85	.58955	287.45	132.87	267.79	.34432	
#1	.00136	.02975	.00014	.00234	-.00100	.05417	
#2	.00029	.03006	.00004	.00206	.00095	.05444	
#3	-.00024	.02977	-.00059	-.00066	-.00133	.05453	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30618	--	--	--	--	--	--
SDev	36.18504	--	--	--	--	--	--
%RSD	.1181827	--	--	--	--	--	--
#1	30645	--	--	--	--	--	--
#2	30577	--	--	--	--	--	--
#3	30632	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21F Operator: RJG
Run Time: 04/09/08 10:31:12
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00124	.07617	.00002	.06489	.03352	.00017	.33297
SDev	.00029	.00273	.00030	.00048	.00003	.00004	.00162
%RSD	23.176	3.5864	1271.3	.73606	.10240	22.199	.48762
#1	-.00142	.07399	.00003	.06434	.03348	.00019	.33331
#2	-.00091	.07529	.00032	.06520	.03354	.00012	.33440
#3	-.00139	.07924	-.00028	.06513	.03354	.00019	.33120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00044	.00203	.00031	-.00152	25.759	1.8071	.33820
SDev	.00009	.00031	.00024	.00013	.104	.0051	.00280
%RSD	20.495	15.062	78.576	8.7703	.40332	.28412	.82804
#1	-.00045	.00228	.00033	-.00168	25.853	1.8101	.34044
#2	-.00052	.00169	.00055	-.00145	25.777	1.8012	.33910
#3	-.00034	.00212	.00006	-.00145	25.648	1.8101	.33506
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21641	-.00042	8.7111	-.00014	-.00008	-.00022	-.00017
SDev	.00085	.00024	.0752	.00038	.00253	.00126	.00048
%RSD	.39420	57.888	.86371	273.08	3306.3	574.89	278.70
#1	.21713	-.00018	8.7949	-.00006	.00089	.00013	.00038
#2	.21664	-.00042	8.6494	.00020	.00183	-.00162	-.00047
#3	.21547	-.00066	8.6890	-.00056	-.00295	.00083	-.00043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	-.00118	-.00078	-.00034	.00015	-.00002	3.5113
SDev	.00244	.00057	.00094	.00393	.00223	.00072	.0087
%RSD	10357.	48.170	121.33	1165.7	1533.7	4667.0	.24810
#1	.00017	-.00053	-.00029	.00316	-.00078	.00053	3.5152
#2	-.00249	-.00156	-.00187	.00042	-.00147	-.00084	3.5173

#3	.00239	-.00145	-.00017	-.00459	.00269	.00026	3.5013
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00142	.00677	.00046	.00205	-.00120	.00580	
SDev	.00129	.00016	.00018	.00185	.00059	.00004	
%RSD	90.593	2.3804	39.849	89.955	49.403	.72931	
#1	.00225	.00659	.00056	.00286	-.00180	.00580	
#2	.00208	.00691	.00025	.00335	-.00121	.00585	
#3	-.00006	.00680	.00056	-.00006	-.00061	.00576	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30564	--	--	--	--	--	--
SDev	105.2107	--	--	--	--	--	--
%RSD	.3442261	--	--	--	--	--	--
#1	30679	--	--	--	--	--	--
#2	30541	--	--	--	--	--	--
#3	30473	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21FP5 Operator: RJG
Run Time: 04/09/08 10:36:41
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00076	.01915	-.00114	.01280	.00648	.00025	.06893
SDev	.00103	.00202	.00123	.00014	.00015	.00005	.00059
%RSD	134.99	10.542	108.11	1.0897	2.3691	21.776	.86111
#1	-.00047	.02048	-.00087	.01292	.00661	.00019	.06868
#2	.00009	.02013	-.00007	.01283	.00652	.00029	.06961
#3	-.00190	.01682	-.00249	.01265	.00631	.00026	.06851

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00035	.00133	-.00012	-.00161	5.0221	.48747	.06666
SDev	.00006	.00044	.00041	.00038	.0218	.00509	.00565
%RSD	17.997	32.937	342.97	23.666	.43449	1.0435	8.4708
#1	-.00028	.00145	-.00010	-.00161	5.0262	.49260	.06818
#2	-.00036	.00170	.00028	-.00123	4.9985	.48242	.07140
#3	-.00041	.00085	-.00054	-.00199	5.0416	.48739	.06042

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04208	.00043	1.3186	-.00078	.00257	-.00083	.00031
SDev	.00016	.00067	.1289	.00048	.00120	.00085	.00048
%RSD	.38689	155.79	9.7751	61.236	46.730	102.52	156.34
#1	.04213	.00090	1.2427	-.00041	.00258	-.00164	-.00024
#2	.04189	.00072	1.4674	-.00061	.00377	-.00088	.00067
#3	.04221	-.00034	1.2456	-.00132	.00136	.00005	.00049

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00305	-.00045	-.00132	.00177	-.00057	.00021	.66712
SDev	.00058	.00092	.00072	.00171	.00145	.00114	.00243
%RSD	18.924	203.70	54.718	96.723	253.27	553.21	.36482
#1	-.00278	.00061	-.00052	.00251	.00100	.00151	.66976
#2	-.00372	-.00101	-.00192	.00297	-.00184	-.00024	.66497
#3	-.00267	-.00096	-.00153	-.00019	-.00088	-.00065	.66664

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00053	.00121	.00000	.00173	.00076	.00109
SDev	.00074	.00012	.00012	.00142	.00018	.00007
%RSD	139.25	9.6772	12563.	81.705	24.048	6.9163
#1	.00030	.00123	-.00007	.00255	.00065	.00105
#2	.00136	.00132	.00014	.00010	.00097	.00118
#3	-.00006	.00109	-.00007	.00255	.00066	.00105

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30571	--	--	--	--	--	--
SDev	143.8077	--	--	--	--	--	--
%RSD	.4704090	--	--	--	--	--	--
#1	30468	--	--	--	--	--	--
#2	30735	--	--	--	--	--	--
#3	30509	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21FS Operator: RJG
Run Time: 04/09/08 10:42:11
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05166	2.1456	2.0561	1.0865	2.0559	.05224	52.018
SDev	.00040	.0064	.0065	.0028	.0048	.00019	.229
%RSD	.76780	.29739	.31717	.26187	.23480	.36353	.43992
#1	.05126	2.1530	2.0622	1.0895	2.0612	.05246	52.230
#2	.05205	2.1423	2.0569	1.0839	2.0517	.05216	52.050
#3	.05167	2.1416	2.0492	1.0862	2.0549	.05211	51.775
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04992	.50312	.20606	.26396	29.185	53.738	52.575
SDev	.00034	.00189	.00074	.00048	.119	.050	.189
%RSD	.67269	.37528	.35932	.18080	.40918	.09262	.35897
#1	.05031	.50486	.20635	.26450	29.301	53.756	52.761
#2	.04974	.50339	.20662	.26379	29.192	53.682	52.580
#3	.04971	.50111	.20522	.26360	29.062	53.777	52.383
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.73407	-.00110	61.427	.50512	.50059	.51221	.50834
SDev	.00272	.00049	.061	.00259	.00192	.00420	.00344
%RSD	.37003	44.279	.09972	.51266	.38424	.81963	.67604
#1	.73688	-.00165	61.419	.50811	.50204	.51582	.51123
#2	.73387	-.00091	61.492	.50377	.50132	.51321	.50925
#3	.73146	-.00074	61.370	.50348	.49841	.50761	.50454
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00264	-.00105	.00018	2.0740	2.0802	2.0782	3.7232
SDev	.00105	.00174	.00146	.0095	.0147	.0114	.0091
%RSD	39.886	165.60	825.72	.45887	.70840	.54823	.24355
#1	.00382	.00079	.00180	2.0843	2.0806	2.0819	3.7332
#2	.00182	-.00129	-.00025	2.0722	2.0948	2.0873	3.7206

#3	.00226	-.00266	-.00102	2.0656	2.0653	2.0654	3.7156
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00133	1.0204	-.00004	2.0114	.51628	.53069	
SDev	.00018	.0037	.00012	.0086	.00235	.00151	
%RSD	13.849	.36487	332.33	.42653	.45465	.28493	
#1	-.00114	1.0243	-.00018	2.0023	.51815	.53228	
#2	-.00133	1.0169	.00003	2.0127	.51705	.53052	
#3	-.00151	1.0201	.00003	2.0193	.51365	.52927	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30227	--	--	--	--	--	--
SDev	81.77720	--	--	--	--	--	--
%RSD	.2705409	--	--	--	--	--	--
#1	30320	--	--	--	--	--	--
#2	30199	--	--	--	--	--	--
#3	30164	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21FD Operator: RJG
Run Time: 04/09/08 10:47:40
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05196	2.1023	2.0279	1.0687	2.0146	.05156	50.899
SDev	.00059	.0041	.0047	.0022	.0049	.00015	.154
%RSD	1.1288	.19284	.23065	.20891	.24076	.29966	.30225
#1	.05132	2.0989	2.0256	1.0661	2.0096	.05138	50.734
#2	.05208	2.1067	2.0248	1.0697	2.0193	.05165	50.927
#3	.05247	2.1011	2.0333	1.0702	2.0148	.05164	51.038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04921	.49590	.20353	.25917	27.759	52.344	51.463
SDev	.00019	.00184	.00070	.00021	.072	.101	.149
%RSD	.39453	.37190	.34310	.07988	.25856	.19253	.28856
#1	.04905	.49394	.20305	.25899	27.676	52.235	51.302
#2	.04914	.49616	.20321	.25940	27.802	52.434	51.492
#3	.04942	.49760	.20433	.25913	27.799	52.364	51.595
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.71534	-.00016	59.625	.49784	.49808	.50345	.50166
SDev	.00164	.00054	.038	.00142	.00213	.00168	.00177
%RSD	.22877	341.01	.06422	.28415	.42730	.33345	.35206
#1	.71346	-.00008	59.666	.49623	.49576	.50220	.50005
#2	.71611	-.00074	59.591	.49840	.49855	.50280	.50138
#3	.71644	.00034	59.619	.49889	.49993	.50536	.50355
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00211	.00016	-.00059	2.0682	2.0599	2.0627	3.5377
SDev	.00045	.00015	.00023	.0101	.0105	.0103	.0083
%RSD	21.344	90.874	39.526	.48755	.50787	.50103	.23573
#1	-.00208	.00027	-.00051	2.0580	2.0495	2.0523	3.5295
#2	-.00257	-.00001	-.00086	2.0684	2.0597	2.0626	3.5376

#3	-.00167	.00022	-.00041	2.0781	2.0705	2.0730	3.5461
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00006	.99978	.00010	1.9787	.50932	.51496	
SDev	.00090	.00297	.00025	.0186	.00076	.00078	
%RSD	1436.1	.29726	235.01	.94152	.14823	.15125	
#1	-.00006	.99694	.00025	1.9572	.50956	.51407	
#2	-.00097	1.0029	-.00018	1.9896	.50847	.51552	
#3	.00084	.99955	.00025	1.9893	.50993	.51530	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30228	--	--	--	--	--	--
SDev	50.43854	--	--	--	--	--	--
%RSD	.1668591	--	--	--	--	--	--
#1	30278	--	--	--	--	--	--
#2	30178	--	--	--	--	--	--
#3	30229	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21H Operator: RJG
Run Time: 04/09/08 10:53:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00056	.14452	.00056	.07847	.01869	.00030	.14610
SDev	.00045	.00481	.00031	.00139	.00016	.00004	.00214
%RSD	80.051	3.3271	55.732	1.7757	.86960	13.659	1.4630
#1	-.00101	.14925	.00091	.07985	.01883	.00025	.14734
#2	-.00011	.14468	.00044	.07849	.01873	.00031	.14734
#3	-.00056	.13964	.00032	.07706	.01851	.00033	.14364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	.00150	.00128	-.00067	.03536	.94012	.70892
SDev	.00014	.00033	.00038	.00008	.00347	.00869	.00201
%RSD	69.125	22.070	29.438	12.344	9.8268	.92418	.28313
#1	-.00016	.00130	.00085	-.00060	.03915	.94957	.70898
#2	-.00008	.00189	.00155	-.00065	.03459	.93829	.71090
#3	-.00035	.00132	.00143	-.00076	.03233	.93249	.70689
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00302	.00015	3.5984	.00092	.00153	.00020	.00064
SDev	.00005	.00022	.0853	.00031	.00292	.00285	.00093
%RSD	1.4841	141.44	2.3707	33.373	190.49	1417.0	144.90
#1	.00297	.00024	3.6958	.00085	-.00183	.00349	.00172
#2	.00306	.00032	3.5369	.00065	.00306	-.00126	.00018
#3	.00301	-.00009	3.5625	.00125	.00336	-.00163	.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00121	-.00006	-.00045	.00539	.00020	.00193	3.8900
SDev	.00299	.00085	.00075	.00130	.00173	.00077	.0238
%RSD	246.34	1368.4	168.43	24.192	858.60	39.792	.61170
#1	.00223	-.00068	.00029	.00389	.00201	.00264	3.9124
#2	-.00307	.00090	-.00042	.00624	-.00145	.00111	3.8928

#3	-.00280	-.00041	-.00121	.00604	.00004	.00204	3.8650
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00095	.00430	.00148	.00570	.00012	.00384	
SDev	.00138	.00006	.00022	.00240	.00028	.00002	
%RSD	146.11	1.3182	14.881	42.197	240.42	.59204	
#1	-.00060	.00424	.00172	.00834	-.00021	.00385	
#2	.00137	.00434	.00130	.00511	.00028	.00385	
#3	.00208	.00433	.00140	.00364	.00028	.00381	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30593	--	--	--	--	--	--
SDev	28.42838	--	--	--	--	--	--
%RSD	.0929252	--	--	--	--	--	--
#1	30577	--	--	--	--	--	--
#2	30576	--	--	--	--	--	--
#3	30626	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21J Operator: RJG
Run Time: 04/09/08 10:58:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00082	.65516	.00093	.06836	.03747	.00029	.79775
SDev	.00022	.00009	.00065	.00041	.00004	.00005	.00215
%RSD	26.430	.01391	69.667	.59630	.10711	15.873	.26922
#1	-.00092	.65506	.00039	.06880	.03743	.00034	.79828
#2	-.00057	.65523	.00075	.06828	.03749	.00027	.79539
#3	-.00098	.65520	.00165	.06799	.03750	.00026	.79959
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00091	.00367	.00140	.61384	1.4747	.40408
SDev	.00012	.00060	.00021	.00030	.00914	.0056	.00101
%RSD	123.91	66.327	5.8075	21.420	1.4889	.38245	.25069
#1	-.00020	.00040	.00346	.00112	.61632	1.4812	.40433
#2	-.00011	.00158	.00367	.00172	.60372	1.4713	.40297
#3	.00003	.00075	.00389	.00137	.62149	1.4716	.40494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01174	.00055	1.5011	.00354	.00129	-.00042	.00015
SDev	.00004	.00042	.1130	.00051	.00095	.00072	.00025
%RSD	.36498	75.407	7.5288	14.467	73.792	171.58	167.00
#1	.01171	.00007	1.4261	.00296	.00192	-.00053	.00029
#2	.01173	.00080	1.4462	.00374	.00174	-.00108	-.00014
#3	.01179	.00079	1.6311	.00393	.00020	.00035	.00030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00226	-.00137	-.00166	.00441	-.00177	.00029	3.9738
SDev	.00090	.00222	.00128	.00195	.00119	.00025	.0087
%RSD	39.616	162.30	76.672	44.118	67.493	86.189	.21872
#1	-.00154	-.00145	-.00148	.00336	-.00081	.00058	3.9833
#2	-.00326	.00089	-.00049	.00666	-.00311	.00015	3.9662

#3	-.00198	-.00354	-.00302	.00322	-.00139	.00014	3.9718
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00041	.01098	.01065	.00211	.00022	.01641	
SDev	.00111	.00003	.00046	.00210	.00024	.00010	
%RSD	266.74	.27051	4.3112	99.565	112.07	.60166	
#1	.00047	.01096	.01067	.00117	.00027	.01632	
#2	-.00006	.01101	.01019	.00451	.00043	.01651	
#3	-.00165	.01097	.01111	.00064	-.00005	.01638	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30746	--	--	--	--	--	--
SDev	125.6721	--	--	--	--	--	--
%RSD	.4087397	--	--	--	--	--	--
#1	30606	--	--	--	--	--	--
#2	30783	--	--	--	--	--	--
#3	30849	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21K Operator: RJG
Run Time: 04/09/08 11:04:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00165	.03186	-.00058	.02647	.02027	.00030	3.1491
SDev	.00044	.00237	.00032	.00034	.00007	.00004	.0009
%RSD	26.746	7.4360	54.631	1.2644	.36071	13.810	.02711
#1	-.00141	.03334	-.00029	.02661	.02030	.00025	3.1498
#2	-.00138	.03310	-.00053	.02609	.02032	.00030	3.1495
#3	-.00216	.02912	-.00092	.02672	.02018	.00034	3.1482
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00018	-.00012	.00171	.00004	.02295	2.1392	1.1292
SDev	.00013	.00036	.00037	.00034	.00370	.0054	.0034
%RSD	70.387	301.79	21.747	837.22	16.105	.25227	.29803
#1	-.00013	.00006	.00186	.00040	.02720	2.1341	1.1299
#2	-.00009	.00012	.00197	.00001	.02044	2.1448	1.1322
#3	-.00032	-.00054	.00128	-.00029	.02122	2.1388	1.1256
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00096	-.00075	.84606	.00165	-.00341	.00165	-.00004
SDev	.00008	.00071	.08120	.00058	.00093	.00064	.00013
%RSD	8.2042	94.624	9.5975	35.187	27.314	38.708	345.34
#1	.00100	.00006	.76669	.00219	-.00381	.00182	-.00006
#2	.00100	-.00108	.84250	.00104	-.00408	.00219	.00010
#3	.00087	-.00124	.92898	.00173	-.00235	.00094	-.00015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00192	-.00219	-.00082	-.00078	-.00087	-.00084	4.5014
SDev	.00112	.00065	.00069	.00162	.00167	.00111	.0030
%RSD	58.703	29.796	84.268	207.32	191.34	131.81	.06556
#1	.00239	-.00269	-.00100	.00001	.00061	.00041	4.5010
#2	.00063	-.00243	-.00141	.00029	-.00268	-.00169	4.5046

#3	.00273	-.00145	-.00006	-.00264	-.00055	-.00125	4.4987
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00030	.01625	.00014	.00188	-.00037	.03436	
SDev	.00062	.00007	.00018	.00103	.00028	.00017	
%RSD	208.38	.46115	126.63	54.412	74.986	.49657	
#1	-.00024	.01626	.00025	.00194	-.00021	.03453	
#2	.00029	.01632	.00025	.00083	-.00021	.03434	
#3	-.00095	.01617	-.00007	.00288	-.00069	.03419	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30804	--	--	--	--	--	--
SDev	46.47604	--	--	--	--	--	--
%RSD	.1508780	--	--	--	--	--	--
#1	30759	--	--	--	--	--	--
#2	30800	--	--	--	--	--	--
#3	30852	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21L Operator: RJG
Run Time: 04/09/08 11:09:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00096	.04662	.00001	.02376	.01681	.00021	.26431
SDev	.00082	.00056	.00052	.00044	.00012	.00003	.00043
%RSD	85.081	1.2069	6763.4	1.8743	.68703	15.432	.16257
#1	-.00068	.04676	-.00004	.02419	.01685	.00024	.26386
#2	-.00032	.04600	-.00049	.02379	.01690	.00017	.26471
#3	-.00189	.04710	.00055	.02330	.01668	.00021	.26437
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00024	-.00006	.00018	-.00049	.00783	1.2063	.33388
SDev	.00010	.00032	.00053	.00013	.00375	.0029	.00535
%RSD	42.802	525.46	297.89	26.227	47.910	.23680	1.6026
#1	-.00036	-.00042	.00039	-.00054	.00386	1.2031	.33586
#2	-.00015	.00020	.00056	-.00034	.00829	1.2074	.33796
#3	-.00022	.00004	-.00042	-.00057	.01132	1.2085	.32782
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00306	-.00045	1.1335	-.00101	-.00015	.00029	.00015
SDev	.00009	.00073	.1479	.00009	.00262	.00242	.00090
%RSD	2.9482	162.08	13.050	8.5338	1750.8	829.91	621.01
#1	.00309	-.00092	1.0433	-.00091	.00153	-.00209	-.00089
#2	.00313	.00039	1.3042	-.00106	.00119	.00021	.00053
#3	.00296	-.00083	1.0529	-.00106	-.00316	.00276	.00079
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00116	-.00190	-.00165	.00071	-.00051	-.00010	4.5951
SDev	.00294	.00093	.00066	.00404	.00147	.00111	.0059
%RSD	252.55	49.149	40.056	569.01	290.48	1104.1	.12793
#1	-.00270	-.00218	-.00235	.00133	-.00200	-.00089	4.5999
#2	-.00301	-.00086	-.00157	.00441	-.00045	.00117	4.5885

#3	.00222	-.00266	-.00103	-.00361	.00094	-.00058	4.5968
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00006	.00360	.00035	-.00001	-.00016	.00419	
SDev	.00125	.00010	.00028	.00166	.00076	.00011	
%RSD	2219.2	2.6262	78.797	13658.	471.41	2.6839	
#1	-.00113	.00356	.00025	-.00132	.00011	.00410	
#2	.00136	.00371	.00067	.00185	.00043	.00431	
#3	-.00006	.00353	.00014	-.00056	-.00102	.00414	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30726	--	--	--	--	--	--
SDev	24.82679	--	--	--	--	--	--
%RSD	.0807994	--	--	--	--	--	--
#1	30749	--	--	--	--	--	--
#2	30731	--	--	--	--	--	--
#3	30700	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ21M Operator: RJG
Run Time: 04/09/08 11:15:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00054	.75928	.00067	.03583	.17237	.00097	1.7849
SDev	.00094	.00295	.00068	.00020	.00027	.00005	.0052
%RSD	175.86	.38904	101.31	.55460	.15678	4.8475	.29270
#1	-.00084	.76058	.00116	.03603	.17215	.00102	1.7790
#2	-.00129	.75590	-.00010	.03564	.17267	.00096	1.7867
#3	.00052	.76137	.00094	.03582	.17228	.00093	1.7889
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00022	.00628	.00033	.00140	-.00249	2.4646	3.8129
SDev	.00008	.00040	.00044	.00047	.00770	.0043	.0149
%RSD	36.599	6.3274	134.61	33.773	309.26	.17382	.39210
#1	.00024	.00604	.00029	.00129	.00388	2.4695	3.8103
#2	.00013	.00606	-.00009	.00099	-.01105	2.4624	3.7994
#3	.00029	.00674	.00079	.00192	-.00030	2.4618	3.8289
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05707	-.00001	2.4933	.00491	.00101	.00030	.00054
SDev	.00008	.00085	.1008	.00030	.00240	.00178	.00052
%RSD	.14261	6452.3	4.0434	6.1653	236.56	588.75	96.970
#1	.05707	.00048	2.5915	.00493	-.00089	.00215	.00114
#2	.05698	-.00100	2.3900	.00460	.00023	.00015	.00018
#3	.05715	.00047	2.4984	.00520	.00370	-.00140	.00030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00116	.00043	-.00010	.00277	-.00057	.00054	2.8324
SDev	.00302	.00120	.00035	.00245	.00186	.00064	.0032
%RSD	259.61	279.35	345.75	88.346	326.00	117.65	.11282
#1	.00091	-.00070	-.00016	.00054	.00154	.00121	2.8288
#2	.00023	.00030	.00027	.00238	-.00129	-.00007	2.8336

#3	-.00463	.00169	-.00041	.00539	-.00195	.00049	2.8348
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00012	.02342	.00025	.00110	.00102	.03650	
SDev	.00072	.00018	.00046	.00158	.00290	.00003	
%RSD	589.65	.79162	184.61	144.06	283.08	.09163	
#1	-.00024	.02336	.00046	.00233	.00254	.03653	
#2	-.00077	.02327	-.00028	.00165	-.00232	.03651	
#3	.00065	.02362	.00056	-.00068	.00285	.03646	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30686	--	--	--	--	--	--
SDev	77.65028	--	--	--	--	--	--
%RSD	.2530518	--	--	--	--	--	--
#1	30596	--	--	--	--	--	--
#2	30738	--	--	--	--	--	--
#3	30722	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-4 Operator: RJG
Run Time: 04/09/08 11:20:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0261	24.790	.51175	2.0079	1.9916	2.0498	50.651
SDev	.0171	.428	.00822	.0340	.0336	.0352	.832
%RSD	1.6705	1.7260	1.6058	1.6922	1.6887	1.7192	1.6423
#1	1.0198	24.663	.51041	1.9920	1.9784	2.0400	50.432
#2	1.0456	25.267	.52055	2.0469	2.0298	2.0889	51.570
#3	1.0131	24.440	.50427	1.9847	1.9666	2.0205	49.950
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49898	1.9856	2.0023	2.0417	25.408	123.93	50.811
SDev	.00867	.0334	.0336	.0355	.422	2.06	.855
%RSD	1.7374	1.6844	1.6790	1.7368	1.6596	1.6590	1.6822
#1	.49728	1.9765	1.9928	2.0280	25.302	122.98	50.572
#2	.50837	2.0227	2.0396	2.0820	25.872	126.29	51.760
#3	.49128	1.9577	1.9744	2.0152	25.048	122.52	50.101
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0074	2.0115	124.12	1.9808	.49681	.50359	.50133
SDev	.0338	.0353	1.86	.0375	.01107	.00741	.00849
%RSD	1.6851	1.7533	1.4975	1.8946	2.2274	1.4705	1.6933
#1	1.9968	1.9880	123.12	1.9710	.49564	.49987	.49846
#2	2.0453	2.0521	126.26	2.0222	.50842	.51212	.51089
#3	1.9802	1.9944	122.98	1.9491	.48638	.49879	.49466
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51433	.51408	.51416	.50998	.51155	.51103	1.9683
SDev	.00647	.00969	.00842	.01494	.00650	.00894	.0337
%RSD	1.2569	1.8852	1.6377	2.9306	1.2711	1.7487	1.7143
#1	.50994	.51260	.51172	.50951	.50731	.50805	1.9574
#2	.52175	.52443	.52354	.52515	.51904	.52107	2.0062

#3	.51129	.50521	.50724	.49527	.50830	.50396	1.9414
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9974	2.0054	2.0343	.99597	2.0297	2.0283	
SDev	.0353	.0337	.0352	.02358	.0350	.0342	
%RSD	1.7656	1.6801	1.7298	2.3681	1.7260	1.6841	
#1	1.9890	1.9926	2.0216	.97860	2.0197	2.0172	
#2	2.0361	2.0436	2.0741	1.0228	2.0687	2.0666	
#3	1.9671	1.9800	2.0073	.98649	2.0008	2.0011	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29718	--	--	--	--	--	--
SDev	422.4059	--	--	--	--	--	--
%RSD	1.421385	--	--	--	--	--	--
#1	29995	--	--	--	--	--	--
#2	29232	--	--	--	--	--	--
#3	29927	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB4 Operator: RJG
Run Time: 04/09/08 11:26:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00038	.01359	.00017	.00504	-.00015	.00034	-.00460
SDev	.00048	.00318	.00094	.00159	.00017	.00003	.00133
%RSD	126.49	23.435	560.60	31.578	115.74	8.7456	28.944
#1	-.00041	.01723	.00021	.00654	.00000	.00035	-.00435
#2	.00011	.01219	.00108	.00521	-.00011	.00031	-.00341
#3	-.00085	.01135	-.00079	.00337	-.00034	.00036	-.00604
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00323	-.00013	-.00169	-.01235	.21906	.00001
SDev	.00013	.00017	.00029	.00040	.01011	.00912	.00346
%RSD	84.541	5.1260	230.55	23.823	81.855	4.1639	63970.
#1	-.00003	.00312	.00000	-.00135	-.00673	.22950	.00097
#2	-.00015	.00316	.00008	-.00160	-.00631	.21499	.00288
#3	-.00029	.00342	-.00046	-.00214	-.02403	.21267	-.00383
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	.00566	-.62238	-.00115	.00330	-.00065	.00066
SDev	.00004	.00258	.06177	.00048	.00376	.00206	.00108
%RSD	73.785	45.623	9.9243	42.230	113.82	316.24	162.34
#1	-.00006	.00828	-.56935	-.00106	.00008	.00171	.00117
#2	-.00002	.00558	-.60758	-.00071	.00743	-.00161	.00140
#3	-.00011	.00312	-.69019	-.00167	.00239	-.00205	-.00057
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00229	.00079	-.00023	.00321	-.00036	.00083	-.01554
SDev	.00381	.00070	.00081	.00255	.00147	.00023	.00286
%RSD	166.44	88.223	344.48	79.307	411.92	27.440	18.388
#1	.00016	.00028	.00024	.00051	.00131	.00104	-.01390
#2	-.00668	.00159	-.00116	.00557	-.00149	.00086	-.01388

#3	-.00035	.00050	.00022	.00356	-.00089	.00059	-.01884
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00120	.00001	.00014	.00196	.00027	.00004	
SDev	.00141	.00018	.00046	.00235	.00049	.00009	
%RSD	117.76	2697.3	323.44	119.72	182.90	251.51	
#1	.00282	.00013	.00067	.00409	.00027	.00006	
#2	.00047	.00009	-.00007	-.00056	.00076	.00011	
#3	.00030	-.00020	-.00018	.00236	-.00022	-.00006	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30464	--	--	--	--	--	--
SDev	128.4141	--	--	--	--	--	--
%RSD	.4215233	--	--	--	--	--	--
#1	30319	--	--	--	--	--	--
#2	30561	--	--	--	--	--	--
#3	30513	--	--	--	--	--	--

Method: METTRACE Sample Name: KJXQ6 Operator: RJG
Run Time: 04/09/08 11:31:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00062	.05624	.00124	.04965	.24262	.00006	2.5636
SDev	.00100	.00326	.00086	.00068	.00151	.00005	.0167
%RSD	162.34	5.7951	69.110	1.3801	.62418	85.144	.64986
#1	-.00048	.05374	.00063	.04942	.24313	.00007	2.5650
#2	.00148	.05993	.00223	.05042	.24381	.00001	2.5795
#3	.00086	.05505	.00087	.04910	.24092	.00011	2.5463
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00058	.31471	.00089	.00722	50.688	2.5966	2.6809
SDev	.00014	.00222	.00097	.00046	.319	.0228	.0163
%RSD	23.503	.70582	108.55	6.3803	.62881	.87713	.60692
#1	-.00072	.31418	-.00019	.00678	50.715	2.5824	2.6743
#2	-.00045	.31714	.00168	.00770	50.992	2.6229	2.6994
#3	-.00057	.31279	.00118	.00717	50.357	2.5845	2.6689
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3966	-.00036	28.308	.00271	.00224	.00364	.00318
SDev	.0330	.00050	.223	.00065	.00165	.00109	.00083
%RSD	.61201	138.75	.78945	23.850	73.621	29.771	25.982
#1	5.4039	.00007	28.295	.00200	.00051	.00436	.00308
#2	5.4253	-.00024	28.538	.00326	.00379	.00418	.00405
#3	5.3605	-.00091	28.092	.00287	.00243	.00240	.00241
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00119	-.00177	-.00078	-.00047	.00141	.00078	5.8059
SDev	.00115	.00097	.00094	.00084	.00150	.00098	.0328
%RSD	96.645	54.704	120.02	177.99	106.27	125.28	.56508
#1	.00090	-.00277	-.00155	-.00120	.00279	.00147	5.8190
#2	.00247	-.00083	.00027	-.00066	-.00018	-.00034	5.8302

#3	.00022	-.00172	-.00107	.00045	.00161	.00122	5.7686
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00132	.04117	.00000	.00396	.00047	.02340	
SDev	.00136	.00022	.00022	.00410	.00148	.00024	
%RSD	103.44	.54235	14340.	103.55	315.49	1.0273	
#1	-.00024	.04122	-.00017	.00174	-.00124	.02331	
#2	.00228	.04137	.00025	.00870	.00143	.02367	
#3	.00190	.04093	-.00007	.00145	.00121	.02321	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30468	--	--	--	--	--	--
SDev	208.4431	--	--	--	--	--	--
%RSD	.6841289	--	--	--	--	--	--
#1	30641	--	--	--	--	--	--
#2	30237	--	--	--	--	--	--
#3	30528	--	--	--	--	--	--

Method: METTRACE Sample Name: KJXQ7 Operator: RJG
Run Time: 04/09/08 11:37:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00073	.04321	.00908	.02504	.05190	.00008	2.9793
SDev	.00031	.00245	.00093	.00036	.00008	.00003	.0089
%RSD	42.838	5.6649	10.208	1.4544	.15272	37.362	.29783
#1	-.00103	.04039	.00816	.02529	.05195	.00010	2.9811
#2	-.00074	.04460	.00907	.02521	.05194	.00009	2.9871
#3	-.00041	.04465	.01002	.02462	.05181	.00004	2.9696
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00088	.02149	-.00042	.00525	106.53	1.2154	3.6297
SDev	.00007	.00053	.00029	.00005	.19	.0064	.0100
%RSD	7.7213	2.4770	68.416	1.0353	.17600	.52895	.27607
#1	-.00080	.02147	-.00014	.00526	106.60	1.2203	3.6334
#2	-.00093	.02204	-.00072	.00520	106.67	1.2178	3.6373
#3	-.00090	.02097	-.00041	.00531	106.32	1.2082	3.6183
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0483	-.00089	28.208	.00126	.00598	.00865	.00776
SDev	.0015	.00048	.155	.00073	.00211	.00173	.00057
%RSD	.14261	54.333	.55053	57.654	35.252	20.062	7.3034
#1	1.0489	-.00034	28.031	.00046	.00708	.00846	.00800
#2	1.0494	-.00124	28.322	.00187	.00355	.01047	.00816
#3	1.0466	-.00108	28.271	.00146	.00730	.00701	.00711
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00176	-.00084	.00002	-.00042	.00299	.00185	4.5952
SDev	.00096	.00149	.00078	.00221	.00246	.00091	.0009
%RSD	54.436	176.88	3176.1	521.73	82.319	48.954	.01984
#1	.00222	-.00035	.00051	-.00211	.00496	.00261	4.5962
#2	.00066	.00034	.00045	-.00124	.00378	.00211	4.5951

#3	.00239	-.00251	-.00088	.00208	.00023	.00085	4.5944
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00166	.03862	.00021	.00639	-.00114	.02634	
SDev	.00098	.00004	.00037	.00116	.00123	.00013	
%RSD	59.139	.09396	173.95	18.209	108.07	.48125	
#1	.00279	.03863	.00025	.00720	-.00042	.02647	
#2	.00119	.03865	.00056	.00691	-.00043	.02634	
#3	.00101	.03858	-.00017	.00506	-.00255	.02621	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30596	--	--	--	--	--	--
SDev	44.18553	--	--	--	--	--	--
%RSD	.1444177	--	--	--	--	--	--
#1	30588	--	--	--	--	--	--
#2	30556	--	--	--	--	--	--
#3	30643	--	--	--	--	--	--

Method: METTRACE Sample Name: KJXQR Operator: RJG
Run Time: 04/09/08 11:42:38
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00066	1.3072	.00098	.06346	.09206	.00072	1.9761
SDev	.00040	.0070	.00164	.00082	.00009	.00001	.0050
%RSD	60.823	.53605	166.49	1.2878	.10181	1.9777	.25181
#1	-.00028	1.3121	.00283	.06333	.09214	.00070	1.9767
#2	-.00109	1.2992	-.00031	.06272	.09196	.00073	1.9709
#3	-.00062	1.3104	.00044	.06434	.09209	.00073	1.9808
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00051	.00359	.00336	.00385	.03344	.75395	.92841
SDev	.00010	.00040	.00033	.00012	.00760	.00639	.00164
%RSD	19.600	11.097	9.9194	3.1025	22.734	.84701	.17718
#1	.00054	.00326	.00354	.00396	.04097	.75702	.92761
#2	.00059	.00348	.00298	.00372	.03359	.74661	.92731
#3	.00039	.00403	.00357	.00386	.02577	.75822	.93030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08604	.00034	.86589	.00639	.00233	.00093	.00140
SDev	.00026	.00039	.14897	.00035	.00140	.00079	.00045
%RSD	.29701	113.50	17.205	5.5303	60.119	84.871	32.313
#1	.08598	.00049	.90344	.00600	.00097	.00179	.00152
#2	.08582	-.00010	.70173	.00650	.00377	.00078	.00178
#3	.08632	.00064	.99249	.00668	.00224	.00023	.00090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00109	.00001	-.00035	.00192	-.00201	-.00070	2.5679
SDev	.00105	.00033	.00052	.00271	.00091	.00097	.0091
%RSD	96.456	2588.3	148.02	141.01	45.176	138.87	.35348
#1	-.00003	.00010	.00006	-.00117	-.00193	-.00168	2.5653
#2	-.00213	-.00035	-.00094	.00308	-.00114	.00026	2.5604

#3	-.00111	.00028	-.00018	.00386	-.00295	-.00068	2.5780
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00113	.01774	.00032	.00049	.00017	.09226	
SDev	.00116	.00008	.00049	.00270	.00047	.00033	
%RSD	102.89	.45093	152.95	550.08	274.43	.35698	
#1	.00119	.01779	.00088	.00230	.00044	.09223	
#2	-.00006	.01765	.00004	-.00261	-.00037	.09195	
#3	.00225	.01779	.00004	.00179	.00044	.09261	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30629	--	--	--	--	--	--
SDev	99.60097	--	--	--	--	--	--
%RSD	.3251881	--	--	--	--	--	--
#1	30529	--	--	--	--	--	--
#2	30728	--	--	--	--	--	--
#3	30629	--	--	--	--	--	--

Method: METTRACE Sample Name: KJXTL Operator: RJG
Run Time: 04/09/08 11:48:08
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00143	.04214	.01590	.02238	.02472	.00007	1.6978
SDev	.00025	.00124	.00063	.00006	.00009	.00003	.0082
%RSD	17.797	2.9511	3.9599	.28655	.34583	36.313	.48554
#1	-.00165	.04349	.01570	.02231	.02463	.00010	1.6961
#2	-.00148	.04104	.01661	.02240	.02480	.00006	1.7068
#3	-.00115	.04188	.01540	.02244	.02471	.00005	1.6905
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00108	.00035	-.00103	.00858	106.81	.89868	3.0869
SDev	.00016	.00020	.00025	.00015	.49	.00577	.0166
%RSD	14.596	58.987	24.206	1.8091	.46144	.64226	.53672
#1	-.00112	.00052	-.00131	.00846	106.66	.89245	3.0784
#2	-.00122	.00012	-.00087	.00852	107.36	.90384	3.1060
#3	-.00091	.00040	-.00090	.00875	106.40	.89976	3.0763
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.32173	-.00222	29.163	.00162	.00344	.00489	.00441
SDev	.00157	.00071	.066	.00079	.00189	.00161	.00052
%RSD	.48889	32.090	.22734	48.698	54.869	32.900	11.847
#1	.32134	-.00255	29.170	.00074	.00542	.00304	.00383
#2	.32347	-.00272	29.226	.00225	.00323	.00566	.00486
#3	.32039	-.00141	29.094	.00186	.00166	.00597	.00454
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00045	-.00126	-.00069	-.00141	.00518	.00299	4.7438
SDev	.00167	.00075	.00077	.00144	.00180	.00167	.0229
%RSD	373.14	59.602	111.66	102.30	34.634	55.825	.48330
#1	-.00052	-.00203	-.00153	-.00293	.00315	.00112	4.7394
#2	-.00051	-.00053	-.00052	-.00122	.00587	.00351	4.7687

#3	.00237	-.00121	-.00002	-.00007	.00654	.00434	4.7235
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00148	.02282	-.00021	.00481	-.00213	.03048	
SDev	.00169	.00009	.00012	.00170	.00030	.00006	
%RSD	114.18	.39626	57.947	35.403	14.234	.18650	
#1	.00313	.02275	-.00028	.00309	-.00232	.03052	
#2	.00154	.02293	-.00028	.00484	-.00228	.03051	
#3	-.00024	.02280	-.00007	.00649	-.00178	.03042	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30665	--	--	--	--	--	--
SDev	103.6587	--	--	--	--	--	--
%RSD	.3380391	--	--	--	--	--	--
#1	30781	--	--	--	--	--	--
#2	30630	--	--	--	--	--	--
#3	30583	--	--	--	--	--	--

Method: METTRACE Sample Name: KJXTM Operator: RJG
Run Time: 04/09/08 11:53:38
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00058	.05476	.00284	.06338	.05648	.00018	1.1833
SDev	.00042	.00100	.00089	.00023	.00026	.00003	.0022
%RSD	71.492	1.8207	31.231	.36423	.46546	15.510	.18412
#1	-.00073	.05492	.00386	.06360	.05677	.00021	1.1854
#2	-.00091	.05369	.00247	.06314	.05640	.00015	1.1810
#3	-.00011	.05566	.00220	.06340	.05627	.00017	1.1835
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00018	.01719	.00007	.03324	8.3262	2.6149	1.0825
SDev	.00006	.00039	.00040	.00033	.0224	.0044	.0055
%RSD	36.744	2.2567	579.22	.98558	.26934	.17004	.51186
#1	-.00019	.01707	-.00021	.03354	8.3407	2.6121	1.0827
#2	-.00023	.01688	-.00010	.03289	8.3004	2.6125	1.0768
#3	-.00010	.01763	.00052	.03330	8.3375	2.6200	1.0879
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.29413	-.00048	16.067	.00173	.00743	.00799	.00780
SDev	.00055	.00078	.121	.00099	.00290	.00060	.00057
%RSD	.18563	163.12	.75510	57.319	39.070	7.5082	7.3568
#1	.29464	-.00108	16.190	.00121	.00511	.00853	.00739
#2	.29356	-.00075	15.948	.00110	.00650	.00808	.00755
#3	.29419	.00040	16.064	.00287	.01069	.00735	.00846
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00118	-.00070	-.00086	.00045	-.00165	-.00095	5.5468
SDev	.00180	.00163	.00060	.00340	.00191	.00078	.0047
%RSD	152.35	232.27	69.878	755.61	115.41	82.034	.08532
#1	.00035	-.00250	-.00155	-.00338	-.00025	-.00129	5.5450
#2	-.00073	-.00029	-.00043	.00160	-.00089	-.00006	5.5522

#3	-.00317	.00068	-.00060	.00313	-.00383	-.00151	5.5432
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00000	.02158	-.00010	.00290	.00106	.06767	
SDev	.00072	.00005	.00032	.00110	.00049	.00008	
%RSD	27776.	.21668	310.78	37.973	46.163	.11807	
#1	.00012	.02159	.00025	.00415	.00107	.06776	
#2	-.00077	.02153	-.00017	.00211	.00057	.06766	
#3	.00065	.02163	-.00038	.00243	.00155	.06760	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30612	--	--	--	--	--	--
SDev	29.87395	--	--	--	--	--	--
%RSD	.0975892	--	--	--	--	--	--
#1	30588	--	--	--	--	--	--
#2	30645	--	--	--	--	--	--
#3	30602	--	--	--	--	--	--

Method: METTRACE Sample Name: KJXTP Operator: RJG
Run Time: 04/09/08 11:59:07
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	.05129	.02220	.05435	.19457	.00025	7.8872
SDev	.00063	.00179	.00118	.00086	.00124	.00005	.0760
%RSD	306.18	3.4872	5.2900	1.5866	.63679	21.349	.96404
#1	.00032	.05253	.02353	.05497	.19598	.00020	7.9732
#2	-.00091	.04924	.02131	.05337	.19405	.00026	7.8598
#3	-.00003	.05210	.02177	.05472	.19367	.00030	7.8287
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00083	.00369	.00028	.01384	91.221	2.9241	4.8311
SDev	.00017	.00021	.00039	.00049	.855	.0289	.0519
%RSD	20.280	5.8114	141.65	3.5009	.93689	.98928	1.0739
#1	-.00074	.00365	.00042	.01417	92.185	2.9574	4.8908
#2	-.00073	.00392	-.00017	.01329	90.922	2.9094	4.8054
#3	-.00102	.00349	.00058	.01406	90.556	2.9054	4.7970
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38142	-.00085	69.420	-.00043	.00516	.00374	.00422
SDev	.00325	.00114	.262	.00052	.00078	.00128	.00060
%RSD	.85197	134.93	.37735	119.93	15.031	34.300	14.196
#1	.38513	.00011	69.699	-.00004	.00605	.00227	.00353
#2	.38006	-.00212	69.380	-.00101	.00462	.00459	.00460
#3	.37906	-.00053	69.180	-.00024	.00482	.00437	.00452
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00175	-.00031	-.00079	.00188	.00338	.00288	6.7219
SDev	.00054	.00072	.00055	.00329	.00065	.00141	.0473
%RSD	30.845	229.86	70.144	175.28	19.336	48.952	.70383
#1	-.00210	-.00110	-.00143	.00426	.00413	.00418	6.7747
#2	-.00113	-.00015	-.00048	.00325	.00300	.00308	6.7076

#3	-.00202	.00031	-.00047	-.00188	.00301	.00138	6.6834
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00126	.09721	-.00002	.00639	-.00200	.02425	
SDev	.00139	.00074	.00024	.00178	.00104	.00013	
%RSD	110.70	.76221	966.33	27.829	52.051	.53332	
#1	-.00024	.09807	-.00016	.00482	-.00246	.02440	
#2	.00149	.09681	-.00016	.00832	-.00273	.02417	
#3	.00252	.09675	.00025	.00602	-.00081	.02419	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31639	--	--	--	--	--	--
SDev	44.68170	--	--	--	--	--	--
%RSD	.1412239	--	--	--	--	--	--
#1	31589	--	--	--	--	--	--
#2	31676	--	--	--	--	--	--
#3	31652	--	--	--	--	--	--

Method: METTRACE Sample Name: KKG2PB Operator: RJG
Run Time: 04/09/08 12:04:37
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00064	.01850	-.00038	.00022	.00127	.00028	.00015
SDev	.00037	.00116	.00102	.00012	.00012	.00004	.00107
%RSD	58.332	6.2682	266.39	54.674	9.5096	13.048	715.47
#1	-.00087	.01831	-.00149	.00017	.00126	.00029	.00106
#2	-.00085	.01745	-.00018	.00014	.00115	.00032	-.00103
#3	-.00021	.01974	.00052	.00036	.00139	.00024	.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	-.00030	-.00044	-.00179	.04635	.16790	.00065
SDev	.00003	.00041	.00039	.00027	.01206	.00294	.00237
%RSD	75.246	134.15	88.071	15.097	26.021	1.7519	362.58
#1	-.00001	-.00002	-.00041	-.00171	.06028	.17129	.00097
#2	-.00007	-.00077	-.00085	-.00209	.03919	.16605	-.00186
#3	-.00004	-.00012	-.00007	-.00157	.03958	.16636	.00285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00008	.00010	-.85697	-.00087	.00197	-.00076	.00015
SDev	.00005	.00071	.07482	.00026	.00243	.00213	.00097
%RSD	63.250	682.62	8.7307	30.180	123.15	279.41	655.49
#1	.00011	.00029	-.94071	-.00106	-.00070	.00149	.00076
#2	.00002	-.00068	-.79671	-.00057	.00404	-.00103	.00066
#3	.00011	.00070	-.83348	-.00097	.00259	-.00275	-.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00259	.00098	-.00021	.00262	-.00254	-.00083	-.02107
SDev	.00294	.00231	.00056	.00193	.00102	.00030	.00132
%RSD	113.46	235.63	264.99	73.706	40.076	36.877	6.2666
#1	.00070	-.00160	-.00083	.00094	-.00141	-.00062	-.01992
#2	-.00352	.00170	-.00004	.00219	-.00286	-.00118	-.02079

#3	-.00495	.00283	.00024	.00473	-.00337	-.00068	-.02251
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00035	-.00001	-.00013	.00181	.00022	.00122	
SDev	.00159	.00006	.00026	.00152	.00033	.00004	
%RSD	449.39	456.56	196.48	83.650	149.57	3.4295	
#1	-.00182	-.00004	.00014	.00337	-.00004	.00123	
#2	-.00059	-.00006	-.00017	.00172	.00011	.00126	
#3	.00134	.00006	-.00038	.00034	.00059	.00117	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31077	--	--	--	--	--	--
SDev	34.55256	--	--	--	--	--	--
%RSD	.1111834	--	--	--	--	--	--
#1	31062	--	--	--	--	--	--
#2	31117	--	--	--	--	--	--
#3	31053	--	--	--	--	--	--

Method: METTRACE Sample Name: KKG2PC Operator: RJG
Run Time: 04/09/08 12:10:07
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05133	2.0201	1.9712	.96897	1.9456	.04931	49.671
SDev	.00132	.0054	.0065	.00221	.0024	.00010	.214
%RSD	2.5681	.26924	.33051	.22862	.12474	.20415	.43040
#1	.05100	2.0256	1.9776	.96685	1.9480	.04935	49.803
#2	.05021	2.0199	1.9646	.96880	1.9432	.04920	49.424
#3	.05278	2.0148	1.9714	.97127	1.9455	.04938	49.784
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04841	.47884	.19742	.24812	.88469	53.028	50.458
SDev	.00033	.00210	.00121	.00041	.01014	.047	.194
%RSD	.68928	.43765	.61093	.16584	1.1459	.08770	.38540
#1	.04833	.47933	.19791	.24829	.89239	53.057	50.543
#2	.04813	.47654	.19605	.24765	.87321	52.974	50.235
#3	.04878	.48065	.19830	.24841	.88847	53.052	50.595
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49290	.97681	50.251	.48058	.48595	.48929	.48818
SDev	.00152	.01071	.116	.00262	.00483	.00307	.00153
%RSD	.30771	1.0961	.23142	.54592	.99357	.62680	.31427
#1	.49357	.96734	50.333	.48101	.48228	.49283	.48932
#2	.49116	.97466	50.118	.47777	.48415	.48758	.48643
#3	.49397	.98843	50.302	.48297	.49142	.48747	.48878
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50215	.50449	.50371	1.9979	1.9868	1.9905	9.7729
SDev	.00505	.00253	.00164	.0118	.0062	.0077	.0123
%RSD	1.0052	.50112	.32662	.58927	.31184	.38723	.12602
#1	.50793	.50327	.50483	1.9888	1.9857	1.9868	9.7830
#2	.49986	.50280	.50182	1.9937	1.9812	1.9853	9.7592

#3	.49865	.50740	.50449	2.0112	1.9934	1.9993	9.7766
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9494	.98594	1.0023	1.9326	.49651	.50762	
SDev	.0047	.00138	.0023	.0055	.00257	.00164	
%RSD	.24304	.13970	.23203	.28278	.51712	.32263	
#1	1.9534	.98742	1.0034	1.9287	.49559	.50881	
#2	1.9442	.98469	.99967	1.9303	.49453	.50575	
#3	1.9506	.98572	1.0040	1.9389	.49941	.50831	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30449	--	--	--	--	--	--
SDev	40.47222	--	--	--	--	--	--
%RSD	.1329189	--	--	--	--	--	--
#1	30439	--	--	--	--	--	--
#2	30493	--	--	--	--	--	--
#3	30414	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ6H1 Operator: RJG
Run Time: 04/09/08 12:15:37
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00067	.13391	.00201	.02957	.11493	.00012	48.936
SDev	.00002	.00619	.00062	.00053	.00047	.00003	.081
%RSD	2.8146	4.6264	30.638	1.8020	.40439	23.666	.16571
#1	-.00067	.13412	.00272	.03016	.11545	.00014	49.029
#2	-.00065	.12761	.00166	.02913	.11454	.00012	48.879
#3	-.00068	.14000	.00166	.02941	.11482	.00009	48.899
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	.00135	.00060	.00336	1.4838	3.0043	18.288
SDev	.00027	.00069	.00037	.00031	.0139	.0250	.033
%RSD	406.28	51.081	61.341	9.2778	.93480	.83198	.17928
#1	-.00014	.00118	.00052	.00330	1.4767	3.0315	18.326
#2	-.00029	.00076	.00028	.00309	1.4750	2.9824	18.267
#3	.00023	.00211	.00100	.00370	1.4998	2.9990	18.272
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16828	.00806	34.410	.00154	.00300	-.00067	.00056
SDev	.00032	.00212	.394	.00049	.00214	.00143	.00035
%RSD	.19338	26.368	1.1464	32.238	71.308	214.44	63.174
#1	.16865	.01051	34.857	.00196	.00439	-.00113	.00071
#2	.16804	.00685	34.111	.00099	.00408	-.00181	.00015
#3	.16816	.00681	34.262	.00166	.00054	.00093	.00080
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00278	.00034	-.00070	.00307	.00015	.00112	6.3991
SDev	.00247	.00168	.00033	.00196	.00106	.00070	.0332
%RSD	89.075	494.80	46.856	63.794	721.86	62.575	.51858
#1	-.00407	.00145	-.00039	.00167	-.00035	.00033	6.4372
#2	-.00433	.00117	-.00066	.00530	-.00057	.00138	6.3834

#3	.00008	-.00160	-.00104	.00222	.00136	.00165	6.3767
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00196	.18688	.00109	.00118	.00343	.02588	
SDev	.00186	.00074	.00037	.00163	.00028	.00013	
%RSD	94.829	.39799	33.572	137.77	8.1084	.48196	
#1	.00137	.18765	.00088	-.00023	.00311	.02600	
#2	.00047	.18682	.00088	.00296	.00358	.02575	
#3	.00404	.18617	.00151	.00081	.00360	.02589	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30614	--	--	--	--	--	--
SDev	83.47803	--	--	--	--	--	--
%RSD	.2726817	--	--	--	--	--	--
#1	30558	--	--	--	--	--	--
#2	30710	--	--	--	--	--	--
#3	30574	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ70V Operator: RJG
Run Time: 04/09/08 12:21:06
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00064	.18130	.07039	.05452	.12997	.00019	22.338
SDev	.00038	.00360	.00090	.00083	.00102	.00006	.144
%RSD	58.676	1.9846	1.2760	1.5188	.78333	30.853	.64353
#1	-.00085	.18033	.07028	.05377	.12949	.00024	22.305
#2	-.00021	.18528	.07134	.05540	.13114	.00013	22.495
#3	-.00087	.17828	.06955	.05438	.12928	.00021	22.213
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	.00323	-.00025	-.00090	-.01461	4.1964	5.4375
SDev	.00003	.00039	.00012	.00017	.00335	.0360	.0353
%RSD	21.368	11.969	49.817	19.369	22.898	.85687	.64958
#1	-.00016	.00317	-.00029	-.00107	-.01190	4.1618	5.4278
#2	-.00016	.00365	-.00011	-.00072	-.01359	4.2336	5.4766
#3	-.00011	.00288	-.00035	-.00092	-.01835	4.1939	5.4080
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.57749	.00063	173.89	.00711	.00045	.00106	.00086
SDev	.00384	.00108	1.60	.00084	.00026	.00190	.00119
%RSD	.66421	171.75	.91964	11.869	57.637	178.50	137.76
#1	.57638	.00056	172.43	.00778	.00022	.00219	.00153
#2	.58176	.00174	175.60	.00737	.00073	-.00113	-.00051
#3	.57434	-.00042	173.64	.00616	.00041	.00213	.00156
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00087	.00028	.00048	-.00051	.00134	.00072	4.1710
SDev	.00118	.00023	.00041	.00095	.00084	.00085	.0321
%RSD	135.24	81.246	86.338	185.00	62.717	116.97	.77025
#1	.00144	.00004	.00050	-.00160	.00057	-.00015	4.1512
#2	-.00048	.00032	.00005	.00013	.00224	.00153	4.2080

#3	.00165	.00049	.00088	-.00006	.00121	.00079	4.1537
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00025	.22504	-.00014	.00349	.00168	.00316	
SDev	.00217	.00140	.00012	.00195	.00020	.00005	
%RSD	877.64	.62191	86.908	55.947	11.771	1.6748	
#1	.00225	.22414	-.00007	.00525	.00156	.00310	
#2	-.00132	.22666	-.00007	.00139	.00191	.00321	
#3	-.00167	.22434	-.00028	.00381	.00157	.00316	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30472	--	--	--	--	--	--
SDev	160.4905	--	--	--	--	--	--
%RSD	.5266765	--	--	--	--	--	--
#1	30630	--	--	--	--	--	--
#2	30309	--	--	--	--	--	--
#3	30478	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-5 Operator: RJG
Run Time: 04/09/08 12:26:36
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0057	24.278	.50031	1.9622	1.9599	2.0124	49.469
SDev	.0042	.088	.00304	.0036	.0080	.0118	.302
%RSD	.41630	.36140	.60725	.18231	.41010	.58652	.61099
#1	1.0100	24.370	.50313	1.9656	1.9677	2.0239	49.786
#2	1.0054	24.268	.50071	1.9627	1.9602	2.0130	49.437
#3	1.0017	24.196	.49709	1.9585	1.9517	2.0004	49.184
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48814	1.9394	1.9608	2.0043	24.868	122.05	49.856
SDev	.00295	.0115	.0116	.0068	.129	.43	.303
%RSD	.60451	.59289	.59216	.33867	.51746	.34824	.60787
#1	.49132	1.9515	1.9728	2.0115	25.002	122.54	50.170
#2	.48763	1.9380	1.9598	2.0034	24.858	121.81	49.831
#3	.48548	1.9286	1.9497	1.9980	24.745	121.80	49.566
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9671	1.9686	122.18	1.9372	.48555	.49254	.49021
SDev	.0107	.0029	.29	.0105	.00644	.00243	.00299
%RSD	.54526	.14772	.23391	.54241	1.3270	.49337	.61035
#1	1.9784	1.9671	122.50	1.9482	.49253	.49414	.49360
#2	1.9656	1.9719	122.07	1.9363	.48432	.48974	.48793
#3	1.9571	1.9667	121.96	1.9272	.47982	.49373	.48910
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50675	.50518	.50570	.50205	.50276	.50252	1.9232
SDev	.00100	.00435	.00317	.00470	.00352	.00291	.0071
%RSD	.19656	.86137	.62633	.93693	.70073	.57820	.37057
#1	.50762	.51020	.50934	.50745	.50260	.50421	1.9306
#2	.50566	.50252	.50357	.49886	.49932	.49917	1.9225

#3	.50697	.50281	.50420	.49983	.50636	.50419	1.9164
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9558	1.9831	1.9983	.97313	1.9857	1.9810	
SDev	.0095	.0090	.0099	.00270	.0103	.0094	
%RSD	.48442	.45255	.49351	.27744	.51914	.47406	
#1	1.9657	1.9913	2.0082	.97040	1.9960	1.9906	
#2	1.9549	1.9843	1.9983	.97580	1.9857	1.9804	
#3	1.9469	1.9735	1.9885	.97319	1.9754	1.9719	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29846	--	--	--	--	--	--
SDev	92.87389	--	--	--	--	--	--
%RSD	.3111812	--	--	--	--	--	--
#1	29742	--	--	--	--	--	--
#2	29921	--	--	--	--	--	--
#3	29873	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB5 Operator: RJG
Run Time: 04/09/08 12:32:06
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00043	.02262	.00050	.00587	-.00011	.00027	-.00292
SDev	.00092	.00318	.00143	.00204	.00017	.00002	.00085
%RSD	211.39	14.055	284.11	34.743	156.77	7.8026	29.091
#1	.00062	.02531	.00183	.00805	.00008	.00025	-.00332
#2	-.00103	.02344	.00069	.00556	-.00018	.00028	-.00194
#3	-.00089	.01911	-.00101	.00401	-.00022	.00028	-.00349
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00066	.00000	-.00152	-.00432	.20894	.00129
SDev	.00009	.00013	.00051	.00038	.00625	.01062	.00492
%RSD	1207.3	18.924	13963.	24.762	144.62	5.0843	382.88
#1	.00009	.00080	.00056	-.00113	-.00234	.21755	.00672
#2	-.00009	.00056	-.00042	-.00188	.00070	.21221	-.00287
#3	-.00002	.00062	-.00013	-.00156	-.01132	.19707	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00605	-.42904	-.00031	.00168	-.00100	-.00011
SDev	.00005	.00287	.23616	.00101	.00193	.00067	.00053
%RSD	157.00	47.387	55.045	328.17	114.26	66.916	483.55
#1	.00007	.00929	-.20130	.00080	.00385	-.00129	.00042
#2	-.00002	.00502	-.41300	-.00056	.00015	-.00024	-.00011
#3	.00003	.00385	-.67281	-.00117	.00106	-.00148	-.00064
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00116	-.00074	-.00088	-.00002	-.00065	-.00044	-.01553
SDev	.00050	.00161	.00124	.00202	.00317	.00232	.00360
%RSD	42.803	218.00	141.01	11231.	489.29	528.87	23.154
#1	-.00059	.00112	.00055	-.00062	-.00429	-.00306	-.01251
#2	-.00142	-.00177	-.00165	-.00167	.00150	.00044	-.01456

#3	-.00147	-.00157	-.00153	.00223	.00085	.00131	-.01951
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00178	.00001	.00004	.00256	.00032	.00009	
SDev	.00183	.00011	.00021	.00241	.00041	.00002	
%RSD	102.40	1902.3	583.35	93.980	126.95	21.970	
#1	.00387	.00013	.00025	.00360	.00076	.00007	
#2	.00047	-.00006	-.00018	.00428	.00027	.00011	
#3	.00101	-.00006	.00004	-.00019	-.00006	.00008	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30537	--	--	--	--	--	--
SDev	60.08500	--	--	--	--	--	--
%RSD	.1967616	--	--	--	--	--	--
#1	30509	--	--	--	--	--	--
#2	30496	--	--	--	--	--	--
#3	30606	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD82 Operator: RJG
Run Time: 04/09/08 12:44:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00109	.13450	.00050	.02379	.03807	.00028	5.4981
SDev	.00134	.00298	.00112	.00067	.00011	.00011	.0073
%RSD	123.00	2.2172	222.99	2.7949	.30035	38.914	.13280
#1	-.00257	.13343	-.00076	.02338	.03795	.00040	5.4914
#2	.00003	.13787	.00141	.02456	.03818	.00020	5.5059
#3	-.00073	.13220	.00086	.02343	.03808	.00023	5.4970
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	.00449	-.00032	-.00192	.47314	.78202	2.4299
SDev	.00032	.00066	.00067	.00029	.01125	.00546	.0093
%RSD	132.08	14.637	207.75	15.111	2.3773	.69800	.38170
#1	-.00061	.00392	-.00104	-.00224	.46533	.77574	2.4193
#2	-.00015	.00521	.00030	-.00166	.48603	.78555	2.4360
#3	.00002	.00434	-.00023	-.00186	.46805	.78479	2.4346
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04006	.00019	5.1192	.00087	.00172	-.00070	.00010
SDev	.00014	.00112	.1234	.00078	.00203	.00111	.00010
%RSD	.34621	603.23	2.4107	89.880	118.06	158.10	93.393
#1	.03991	-.00076	5.1457	.00002	-.00041	.00041	.00013
#2	.04019	.00143	4.9847	.00157	.00194	-.00070	.00018
#3	.04008	-.00011	5.2272	.00103	.00362	-.00181	-.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00252	.00014	-.00074	.00396	-.00014	.00122	4.9011
SDev	.00217	.00159	.00068	.00211	.00015	.00067	.0022
%RSD	86.068	1097.3	91.107	53.180	102.81	54.988	.04509
#1	-.00006	-.00147	-.00100	.00159	-.00005	.00050	4.8988
#2	-.00335	.00171	.00002	.00466	-.00031	.00134	4.9031

#3	-.00416	.00019	-.00126	.00562	-.00007	.00183	4.9015
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00018	.02495	-.00024	.00312	-.00009	.00625	
SDev	.00149	.00013	.00012	.00038	.00000	.00010	
%RSD	843.90	.51921	49.757	12.113	3.4018	1.6681	
#1	-.00164	.02485	-.00037	.00323	-.00009	.00615	
#2	.00134	.02510	-.00017	.00270	-.00009	.00635	
#3	-.00024	.02490	-.00017	.00344	-.00009	.00625	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31062	--	--	--	--	--	--
SDev	121.6948	--	--	--	--	--	--
%RSD	.3917814	--	--	--	--	--	--
#1	31199	--	--	--	--	--	--
#2	31021	--	--	--	--	--	--
#3	30966	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD83 Operator: RJG
Run Time: 04/09/08 12:49:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00151	.05846	.00566	.03798	.02174	.00020	2.8597
SDev	.00031	.00392	.00074	.00056	.00015	.00002	.0036
%RSD	20.603	6.7062	13.033	1.4638	.71340	11.741	.12506
#1	-.00140	.05605	.00598	.03748	.02172	.00020	2.8560
#2	-.00186	.06298	.00481	.03787	.02190	.00023	2.8632
#3	-.00127	.05635	.00618	.03858	.02159	.00018	2.8600
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00038	.01530	-.00090	-.00228	24.420	.80244	2.5576
SDev	.00012	.00036	.00032	.00012	.036	.00367	.0027
%RSD	30.655	2.3548	35.313	5.3346	.14701	.45694	.10688
#1	-.00051	.01502	-.00058	-.00215	24.379	.80123	2.5564
#2	-.00029	.01571	-.00089	-.00228	24.446	.79953	2.5607
#3	-.00034	.01518	-.00121	-.00240	24.436	.80656	2.5557
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.76496	-.00064	.89202	-.00042	-.00044	.00134	.00075
SDev	.00068	.00025	.23716	.00025	.00257	.00137	.00019
%RSD	.08818	38.918	26.587	60.332	580.65	101.81	25.615
#1	.76430	-.00042	.86905	-.00066	.00164	.00049	.00087
#2	.76565	-.00059	1.1398	-.00045	-.00331	.00292	.00084
#3	.76493	-.00091	.66719	-.00015	.00035	.00062	.00053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00042	-.00188	-.00139	-.00209	.00073	-.00021	1.0815
SDev	.00296	.00160	.00060	.00547	.00150	.00129	.0030
%RSD	696.38	85.236	42.674	261.13	206.23	603.23	.27629
#1	-.00205	-.00025	-.00085	.00009	-.00082	-.00052	1.0781
#2	.00299	-.00345	-.00131	-.00832	.00217	-.00132	1.0839

#3	-.00221	-.00194	-.00203	.00195	.00083	.00120	1.0824
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00244	.03196	-.00010	.00398	-.00155	.00315	
SDev	.00107	.00004	.00032	.00173	.00085	.00009	
%RSD	43.981	.12739	311.13	43.389	55.033	2.9160	
#1	-.00255	.03193	-.00038	.00406	-.00203	.00308	
#2	-.00344	.03201	.00025	.00567	-.00056	.00326	
#3	-.00131	.03195	-.00017	.00221	-.00204	.00312	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30647	--	--	--	--	--	--
SDev	44.24427	--	--	--	--	--	--
%RSD	.1443664	--	--	--	--	--	--
#1	30681	--	--	--	--	--	--
#2	30663	--	--	--	--	--	--
#3	30597	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD84 Operator: RJG
Run Time: 04/09/08 12:55:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	.04667	.00791	.02226	.00757	.00018	.91569
SDev	.00056	.00278	.00031	.00020	.00006	.00002	.00218
%RSD	583.32	5.9609	3.9414	.89405	.78807	10.273	.23853
#1	-.00073	.04971	.00808	.02204	.00754	.00020	.91794
#2	.00035	.04426	.00755	.02231	.00754	.00017	.91358
#3	.00009	.04604	.00810	.02243	.00764	.00017	.91554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00062	.00599	-.00008	-.00224	41.615	.41915	1.9609
SDev	.00005	.00018	.00007	.00016	.068	.00755	.0046
%RSD	8.6612	3.0352	85.059	7.1832	.16388	1.8004	.23273
#1	-.00056	.00614	-.00013	-.00237	41.687	.42334	1.9640
#2	-.00063	.00604	-.00011	-.00229	41.551	.41044	1.9557
#3	-.00067	.00578	-.00000	-.00206	41.607	.42368	1.9632
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23583	-.00023	2.3468	-.00004	.00293	-.00019	.00085
SDev	.00035	.00045	.0363	.00056	.00346	.00122	.00043
%RSD	.14864	195.97	1.5465	1320.4	118.15	628.97	50.706
#1	.23617	-.00026	2.3884	.00059	-.00067	.00119	.00057
#2	.23547	-.00067	2.3299	-.00026	.00321	-.00067	.00062
#3	.23585	.00024	2.3220	-.00046	.00623	-.00110	.00134
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00266	-.00050	-.00122	.00143	-.00085	-.00009	2.0156
SDev	.00264	.00172	.00027	.00199	.00094	.00096	.0065
%RSD	99.122	346.61	22.174	138.80	111.27	1075.1	.32350
#1	.00023	-.00240	-.00153	.00079	.00016	.00037	2.0229
#2	-.00328	-.00001	-.00110	-.00015	-.00171	-.00119	2.0105

#3	-.00494	.00093	-.00103	.00366	-.00100	.00055	2.0135
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00029	.01314	-.00007	.00616	-.00006	.00316	
SDev	.00099	.00008	.00028	.00116	.00022	.00004	
%RSD	337.49	.60638	409.21	18.877	353.56	1.3548	
#1	-.00060	.01306	.00025	.00749	-.00008	.00321	
#2	.00136	.01321	-.00017	.00558	-.00028	.00314	
#3	.00012	.01316	-.00028	.00540	.00017	.00314	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30688	--	--	--	--	--	--
SDev	82.06522	--	--	--	--	--	--
%RSD	.2674162	--	--	--	--	--	--
#1	30730	--	--	--	--	--	--
#2	30741	--	--	--	--	--	--
#3	30594	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD85 Operator: RJG
Run Time: 04/09/08 13:00:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00103	.09700	.00007	.02627	.02117	.00026	.80279
SDev	.00045	.00377	.00039	.00023	.00003	.00001	.00354
%RSD	43.391	3.8906	528.74	.86833	.13016	2.3354	.44128
#1	-.00054	.09532	.00048	.02633	.02119	.00025	.80515
#2	-.00141	.10133	.00005	.02646	.02114	.00026	.80449
#3	-.00114	.09437	-.00030	.02601	.02118	.00026	.79871
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00331	-.00059	-.00176	-.00665	.99275	2.1580
SDev	.00006	.00024	.00028	.00040	.01499	.00656	.0108
%RSD	34.835	7.3671	47.813	22.575	225.35	.66093	.49824
#1	-.00012	.00303	-.00027	-.00152	-.00786	.99748	2.1701
#2	-.00014	.00342	-.00081	-.00154	.00891	.99553	2.1545
#3	-.00022	.00348	-.00068	-.00221	-.02100	.98526	2.1494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04692	-.00032	5.4024	.00026	-.00029	.00083	.00046
SDev	.00016	.00033	.1011	.00068	.00473	.00228	.00012
%RSD	.34031	103.40	1.8707	266.62	1620.7	274.81	26.879
#1	.04705	.00006	5.5106	.00079	.00270	-.00045	.00060
#2	.04696	-.00050	5.3863	.00049	-.00574	.00346	.00040
#3	.04674	-.00051	5.3104	-.00051	.00216	-.00052	.00037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00049	-.00186	-.00141	.00058	-.00045	-.00011	3.7190
SDev	.00405	.00272	.00047	.00344	.00314	.00152	.0028
%RSD	825.57	146.01	33.335	590.39	692.70	1400.9	.07613
#1	-.00382	.00039	-.00101	.00304	-.00406	-.00169	3.7161
#2	.00401	-.00489	-.00192	-.00335	.00172	.00003	3.7190

#3	-.00166	-.00110	-.00129	.00206	.00097	.00133	3.7218
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00101	.01071	.00004	.00289	-.00011	.00298	
SDev	.00294	.00006	.00058	.00166	.00009	.00007	
%RSD	290.24	.51391	1521.3	57.373	83.971	2.5256	
#1	.00206	.01078	-.00007	.00193	-.00022	.00293	
#2	-.00380	.01069	.00067	.00193	-.00005	.00307	
#3	-.00130	.01068	-.00049	.00480	-.00006	.00295	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30751	--	--	--	--	--	--
SDev	72.61311	--	--	--	--	--	--
%RSD	.2361350	--	--	--	--	--	--
#1	30818	--	--	--	--	--	--
#2	30674	--	--	--	--	--	--
#3	30760	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD86 Operator: RJG
Run Time: 04/09/08 13:06:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00097	.08543	-.00044	.01357	.02461	.00025	.76260
SDev	.00063	.00138	.00054	.00022	.00007	.00006	.00168
%RSD	65.565	1.6164	122.46	1.6491	.29293	22.780	.21994
#1	-.00165	.08457	-.00106	.01383	.02455	.00032	.76165
#2	-.00039	.08702	-.00002	.01345	.02469	.00021	.76453
#3	-.00086	.08469	-.00025	.01344	.02459	.00024	.76161
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00105	-.00025	-.00150	.36473	.78174	1.6893
SDev	.00018	.00050	.00031	.00038	.00854	.00406	.0034
%RSD	115.69	47.651	125.24	25.383	2.3411	.51961	.20113
#1	-.00012	.00056	-.00061	-.00185	.35492	.77716	1.6909
#2	.00001	.00104	-.00003	-.00109	.36878	.78490	1.6916
#3	-.00036	.00156	-.00011	-.00154	.37050	.78316	1.6854
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01708	.00026	6.1794	.00054	-.00099	.00062	.00009
SDev	.00003	.00042	.0721	.00000	.00088	.00150	.00083
%RSD	.14622	164.42	1.1670	.75841	88.467	241.43	978.09
#1	.01707	-.00010	6.1566	.00053	-.00109	-.00054	-.00072
#2	.01711	.00072	6.2602	.00054	-.00182	.00232	.00094
#3	.01706	.00015	6.1215	.00054	-.00007	.00008	.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	-.00168	-.00111	-.00058	-.00087	-.00077	3.8241
SDev	.00097	.00229	.00165	.00165	.00065	.00036	.0046
%RSD	3275.8	136.15	148.21	285.97	75.522	46.683	.11969
#1	-.00088	-.00081	-.00083	-.00242	-.00043	-.00109	3.8287
#2	-.00008	-.00427	-.00288	-.00005	-.00055	-.00038	3.8195

#3	.00105	.00004	.00038	.00074	-.00162	-.00083	3.8239
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00071	.00942	-.00003	.00227	.00015	.00283	
SDev	.00104	.00006	.00006	.00075	.00009	.00013	
%RSD	147.04	.63526	186.52	32.881	60.997	4.5873	
#1	.00189	.00939	-.00007	.00248	.00020	.00272	
#2	.00029	.00949	.00004	.00290	.00021	.00298	
#3	-.00006	.00939	-.00007	.00144	.00004	.00280	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30728	--	--	--	--	--	--
SDev	74.71101	--	--	--	--	--	--
%RSD	.2431342	--	--	--	--	--	--
#1	30814	--	--	--	--	--	--
#2	30681	--	--	--	--	--	--
#3	30690	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD8R Operator: RJG
Run Time: 04/09/08 13:11:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00040	.13885	.00105	.02240	.05769	.00042	2.2909
SDev	.00047	.00209	.00097	.00014	.00019	.00006	.0028
%RSD	117.26	1.5065	92.075	.61143	.33340	13.169	.12327
#1	-.00031	.13912	.00015	.02238	.05750	.00048	2.2886
#2	-.00091	.13663	.00093	.02228	.05768	.00041	2.2901
#3	.00002	.14079	.00207	.02255	.05789	.00037	2.2941
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00011	.07324	.00014	-.00150	2.3217	.97385	4.2123
SDev	.00021	.00060	.00053	.00023	.0053	.00057	.0135
%RSD	187.94	.81427	373.54	15.042	.23022	.05846	.32025
#1	-.00017	.07298	.00000	-.00130	2.3166	.97382	4.2014
#2	-.00029	.07281	-.00030	-.00175	2.3214	.97444	4.2081
#3	.00012	.07392	.00072	-.00145	2.3272	.97330	4.2274
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0983	.00025	2.3555	.00323	.00171	-.00093	-.00005
SDev	.0012	.00077	.0880	.00051	.00286	.00095	.00040
%RSD	.11123	302.66	3.7350	15.729	167.12	101.32	768.07
#1	1.0970	-.00002	2.3877	.00267	-.00083	-.00035	-.00051
#2	1.0985	-.00034	2.4228	.00333	.00115	-.00042	.00010
#3	1.0994	.00112	2.2559	.00367	.00481	-.00203	.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00248	-.00103	-.00151	.00225	-.00178	-.00044	4.1957
SDev	.00194	.00101	.00009	.00317	.00145	.00158	.0077
%RSD	78.204	97.865	6.1300	140.98	81.637	362.82	.18277
#1	-.00107	-.00188	-.00161	-.00118	-.00155	-.00143	4.1869
#2	-.00167	-.00130	-.00143	.00507	-.00045	.00139	4.1990

#3	-.00469	.00009	-.00150	.00285	-.00332	-.00127	4.2012
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00053	.02772	-.00014	.00218	.00041	.01047	
SDev	.00188	.00019	.00026	.00027	.00258	.00007	
%RSD	355.36	.69548	192.80	12.461	632.81	.66675	
#1	-.00148	.02755	.00014	.00193	.00041	.01051	
#2	.00083	.02769	-.00038	.00247	-.00218	.01039	
#3	.00224	.02793	-.00017	.00215	.00299	.01050	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30758	--	--	--	--	--	--
SDev	45.57562	--	--	--	--	--	--
%RSD	.1481765	--	--	--	--	--	--
#1	30770	--	--	--	--	--	--
#2	30707	--	--	--	--	--	--
#3	30796	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD8RP5 Operator: RJG
Run Time: 04/09/08 13:17:10
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00057	.04732	.00012	.00437	.01118	.00041	.44823
SDev	.00036	.00089	.00025	.00060	.00007	.00002	.00310
%RSD	63.798	1.8798	217.58	13.713	.63511	3.8839	.69096
#1	-.00015	.04790	.00040	.00428	.01117	.00043	.44990
#2	-.00072	.04776	-.00001	.00501	.01112	.00040	.45013
#3	-.00083	.04630	-.00005	.00382	.01126	.00040	.44466

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	.01577	-.00001	-.00191	.44730	.32802	.82162
SDev	.00020	.00011	.00022	.00029	.00539	.00631	.00194
%RSD	461.73	.72501	1775.1	15.394	1.2042	1.9238	.23623
#1	.00015	.01565	.00019	-.00170	.44501	.33149	.82217
#2	-.00025	.01578	-.00025	-.00179	.45345	.33184	.82323
#3	-.00003	.01588	.00001	-.00225	.44343	.32074	.81946

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21430	.00003	.00357	.00023	.00334	-.00113	.00036
SDev	.00021	.00051	.06877	.00049	.00218	.00177	.00063
%RSD	.09965	1839.0	1927.7	215.17	65.160	156.02	177.09
#1	.21444	.00058	.05216	.00067	.00421	-.00264	-.00036
#2	.21441	-.00008	.03366	-.00030	.00086	.00081	.00083
#3	.21406	-.00041	-.07511	.00031	.00495	-.00157	.00060

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00323	-.00081	-.00162	.00163	-.00108	-.00018	.80084
SDev	.00362	.00094	.00100	.00238	.00102	.00130	.00233
%RSD	112.14	115.61	61.853	146.31	94.077	718.74	.29108
#1	-.00619	.00025	-.00189	-.00043	-.00222	-.00162	.80081
#2	.00081	-.00117	-.00051	.00108	-.00025	.00019	.79852
#3	-.00431	-.00152	-.00245	.00423	-.00078	.00089	.80318

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00066	.00537	-.00042	.00163	.00023	.00207
SDev	.00090	.00007	.00016	.00053	.00043	.00007
%RSD	136.96	1.3159	38.228	32.343	187.34	3.2847
#1	.00156	.00542	-.00039	.00224	.00072	.00199
#2	.00066	.00540	-.00028	.00137	-.00009	.00211
#3	-.00024	.00529	-.00060	.00129	.00007	.00211

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30384	--	--	--	--	--	--
SDev	33.98451	--	--	--	--	--	--
%RSD	.1118499	--	--	--	--	--	--
#1	30352	--	--	--	--	--	--
#2	30420	--	--	--	--	--	--
#3	30381	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD8RS Operator: RJG
Run Time: 04/09/08 13:22:40
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05226	2.1760	2.0243	1.0110	2.0600	.05063	52.296
SDev	.00037	.0076	.0055	.0022	.0008	.00012	.198
%RSD	.69964	.34998	.27405	.21295	.03675	.24441	.37883
#1	.05265	2.1840	2.0307	1.0087	2.0608	.05074	52.515
#2	.05221	2.1751	2.0210	1.0114	2.0594	.05064	52.244
#3	.05193	2.1688	2.0211	1.0129	2.0597	.05050	52.129
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04931	.55864	.20162	.25399	3.2049	54.515	55.339
SDev	.00020	.00240	.00068	.00024	.0289	.043	.167
%RSD	.41278	.42950	.33596	.09398	.90144	.07853	.30193
#1	.04954	.56078	.20237	.25423	3.2337	54.560	55.525
#2	.04916	.55908	.20144	.25398	3.2051	54.508	55.293
#3	.04924	.55605	.20105	.25375	3.1759	54.476	55.200
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5835	.99364	53.331	.49456	.49174	.50078	.49777
SDev	.0042	.00696	.222	.00214	.00402	.00772	.00385
%RSD	.26473	.70071	.41634	.43203	.81655	1.5422	.77257
#1	1.5882	.98623	53.542	.49702	.48876	.50768	.50138
#2	1.5822	.99465	53.099	.49331	.49015	.50223	.49821
#3	1.5801	1.0000	53.353	.49334	.49630	.49244	.49372
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51725	.51526	.51592	2.0280	2.0183	2.0215	14.004
SDev	.00876	.00195	.00161	.0013	.0133	.0088	.017
%RSD	1.6927	.37931	.31245	.06374	.66099	.43487	.12207
#1	.52576	.51336	.51749	2.0269	2.0314	2.0299	14.023
#2	.51772	.51516	.51601	2.0294	2.0188	2.0223	13.990

#3	.50827	.51726	.51427	2.0277	2.0047	2.0124	13.998
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9912	1.0513	1.0213	1.9622	.50710	.52463	
SDev	.0041	.0014	.0021	.0041	.00156	.00112	
%RSD	.20819	.13786	.20429	.20709	.30862	.21317	
#1	1.9960	1.0506	1.0237	1.9664	.50861	.52592	
#2	1.9890	1.0504	1.0205	1.9619	.50722	.52403	
#3	1.9887	1.0530	1.0198	1.9583	.50548	.52393	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30307	--	--	--	--	--	--
SDev	121.1750	--	--	--	--	--	--
%RSD	.3998257	--	--	--	--	--	--
#1	30322	--	--	--	--	--	--
#2	30179	--	--	--	--	--	--
#3	30420	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD8RD Operator: RJG
Run Time: 04/09/08 13:28:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05072	2.1373	1.9873	.99232	2.0133	.04966	52.322
SDev	.00004	.0023	.0025	.00052	.0020	.00009	.155
%RSD	.08568	.10975	.12808	.05285	.09924	.17952	.29704
#1	.05075	2.1387	1.9902	.99208	2.0146	.04971	52.446
#2	.05074	2.1346	1.9867	.99292	2.0110	.04972	52.372
#3	.05067	2.1387	1.9852	.99196	2.0142	.04956	52.148
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04851	.54925	.19743	.24820	3.2389	54.123	55.420
SDev	.00023	.00093	.00082	.00019	.0066	.087	.162
%RSD	.48212	.16997	.41598	.07564	.20357	.16104	.29235
#1	.04848	.55031	.19816	.24800	3.2458	54.200	55.545
#2	.04876	.54891	.19760	.24837	3.2327	54.028	55.478
#3	.04829	.54854	.19654	.24823	3.2384	54.141	55.237
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5963	.99768	53.102	.48779	.48192	.49159	.48837
SDev	.0029	.00580	.071	.00232	.00155	.00244	.00197
%RSD	.18163	.58133	.13352	.47503	.32251	.49641	.40336
#1	1.5988	.99099	53.183	.48952	.48249	.49429	.49036
#2	1.5970	1.0013	53.074	.48869	.48310	.49092	.48832
#3	1.5932	1.0007	53.050	.48516	.48016	.48955	.48642
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51511	.51310	.51377	1.9998	1.9893	1.9928	14.076
SDev	.00277	.00297	.00275	.0095	.0010	.0038	.022
%RSD	.53679	.57859	.53523	.47536	.04805	.18936	.15648
#1	.51817	.51626	.51689	2.0065	1.9902	1.9956	14.095
#2	.51278	.51270	.51273	2.0039	1.9893	1.9942	14.082

#3	.51439	.51036	.51170	1.9889	1.9883	1.9885	14.052
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9917	1.0293	1.0183	1.9225	.49625	.51529	
SDev	.0077	.0004	.0007	.0054	.00033	.00115	
%RSD	.38438	.03659	.06912	.27921	.06601	.22248	
#1	1.9954	1.0294	1.0191	1.9280	.49626	.51463	
#2	1.9968	1.0289	1.0179	1.9222	.49658	.51661	
#3	1.9829	1.0296	1.0179	1.9173	.49593	.51461	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30600	--	--	--	--	--	--
SDev	73.67127	--	--	--	--	--	--
%RSD	.2407534	--	--	--	--	--	--
#1	30657	--	--	--	--	--	--
#2	30627	--	--	--	--	--	--
#3	30517	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD9D Operator: RJG
Run Time: 04/09/08 13:33:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00041	.15943	.00098	.03168	.02785	.00042	2.7206
SDev	.00038	.00349	.00035	.00100	.00010	.00014	.0030
%RSD	91.704	2.1881	35.735	3.1658	.36679	33.145	.11200
#1	-.00037	.15982	.00057	.03284	.02794	.00046	2.7210
#2	-.00006	.15577	.00120	.03107	.02774	.00026	2.7173
#3	-.00082	.16271	.00115	.03114	.02788	.00053	2.7234
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00678	.00007	-.00198	5.4210	1.1524	2.4820
SDev	.00010	.00046	.00048	.00003	.0174	.0023	.0022
%RSD	59.511	6.8035	740.74	1.5727	.32118	.19624	.08980
#1	-.00024	.00626	-.00006	-.00198	5.4302	1.1550	2.4842
#2	-.00019	.00714	.00060	-.00195	5.4010	1.1509	2.4819
#3	-.00006	.00695	-.00034	-.00201	5.4320	1.1513	2.4798
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49368	.00504	4.1114	.00041	.00226	-.00041	.00048
SDev	.00055	.00162	.1302	.00068	.00419	.00331	.00089
%RSD	.11131	32.101	3.1661	165.79	185.21	814.46	184.46
#1	.49417	.00672	4.1491	-.00031	-.00042	.00234	.00142
#2	.49309	.00489	3.9666	.00104	.00710	-.00408	-.00036
#3	.49378	.00350	4.2186	.00049	.00011	.00052	.00039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00246	-.00171	-.00196	.00456	-.00006	.00148	3.0127
SDev	.00648	.00325	.00012	.00434	.00308	.00176	.0025
%RSD	264.02	189.88	5.9260	95.200	5008.5	119.23	.08236
#1	.00039	-.00332	-.00208	.00456	.00293	.00347	3.0153
#2	-.00987	.00203	-.00194	.00889	-.00322	.00081	3.0104

#3	.00211	-.00384	-.00186	.00022	.00011	.00015	3.0123
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00077	.02062	.00161	.00448	.00087	.00513	
SDev	.00102	.00012	.00052	.00047	.00066	.00010	
%RSD	131.88	.57852	32.499	10.582	75.407	1.8977	
#1	.00190	.02055	.00162	.00444	.00125	.00517	
#2	.00047	.02075	.00109	.00498	.00011	.00520	
#3	-.00006	.02054	.00213	.00403	.00125	.00502	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30682	--	--	--	--	--	--
SDev	75.50114	--	--	--	--	--	--
%RSD	.2460797	--	--	--	--	--	--
#1	30595	--	--	--	--	--	--
#2	30717	--	--	--	--	--	--
#3	30732	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-6 Operator: RJG
Run Time: 04/09/08 13:39:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0157	24.445	.50259	1.9785	1.9917	2.0385	49.763
SDev	.0023	.064	.00294	.0042	.0055	.0050	.132
%RSD	.22979	.26314	.58413	.20984	.27644	.24417	.26512
#1	1.0154	24.470	.50154	1.9757	1.9953	2.0359	49.640
#2	1.0181	24.492	.50591	1.9833	1.9943	2.0442	49.902
#3	1.0135	24.371	.50033	1.9765	1.9853	2.0354	49.747
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49307	1.9484	1.9747	2.0243	25.002	122.91	50.351
SDev	.00073	.0034	.0038	.0062	.052	.37	.144
%RSD	.14782	.17675	.19238	.30805	.20647	.30232	.28509
#1	.49254	1.9461	1.9711	2.0282	24.953	122.70	50.228
#2	.49390	1.9523	1.9787	2.0276	25.056	123.34	50.509
#3	.49278	1.9467	1.9744	2.0171	24.996	122.70	50.317
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9844	1.9874	123.25	1.9547	.48779	.49628	.49345
SDev	.0040	.0117	.31	.0069	.00340	.00171	.00089
%RSD	.19992	.58881	.25169	.35287	.69761	.34532	.18148
#1	1.9821	1.9739	123.26	1.9530	.48391	.49739	.49290
#2	1.9890	1.9950	123.55	1.9622	.48917	.49714	.49448
#3	1.9821	1.9933	122.93	1.9487	.49028	.49430	.49296
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51064	.51137	.51112	.50838	.50943	.50908	1.9432
SDev	.00345	.00256	.00245	.00166	.00102	.00031	.0056
%RSD	.67503	.50085	.47958	.32602	.20018	.06080	.28965
#1	.50871	.50841	.50851	.50990	.50827	.50881	1.9404
#2	.51462	.51275	.51337	.50661	.51020	.50901	1.9497

#3	.50858	.51294	.51149	.50863	.50981	.50942	1.9395
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9761	2.0343	2.0195	.97756	2.0007	1.9856	
SDev	.0050	.0075	.0044	.00995	.0034	.0048	
%RSD	.25424	.36834	.21620	1.0178	.16859	.24018	
#1	1.9719	2.0405	2.0176	.96642	1.9994	1.9852	
#2	1.9817	2.0363	2.0245	.98556	2.0045	1.9906	
#3	1.9748	2.0260	2.0164	.98070	1.9981	1.9811	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29959	--	--	--	--	--	--
SDev	123.9427	--	--	--	--	--	--
%RSD	.4137066	--	--	--	--	--	--
#1	30064	--	--	--	--	--	--
#2	29822	--	--	--	--	--	--
#3	29990	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB6 Operator: RJG
Run Time: 04/09/08 13:44:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00068	.02676	.00005	.00554	-.00016	.00031	-.00692
SDev	.00047	.00252	.00059	.00193	.00008	.00014	.00117
%RSD	69.489	9.4265	1105.2	34.791	51.124	45.054	16.883
#1	-.00067	.02891	.00008	.00738	-.00020	.00034	-.00772
#2	-.00021	.02399	.00063	.00570	-.00007	.00043	-.00558
#3	-.00116	.02739	-.00055	.00354	-.00021	.00016	-.00746
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.00048	-.00032	-.00223	-.00695	.20281	-.00127
SDev	.00010	.00036	.00023	.00032	.00645	.01038	.00146
%RSD	87.624	76.243	71.405	14.556	92.732	5.1182	114.80
#1	-.00012	.00036	-.00019	-.00190	-.00572	.21392	-.00097
#2	-.00001	.00088	-.00019	-.00225	-.00121	.20116	.00001
#3	-.00022	.00018	-.00059	-.00255	-.01393	.19336	-.00286
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00632	-.59097	-.00108	.00156	-.00029	.00033
SDev	.00004	.00318	.20064	.00046	.00046	.00066	.00049
%RSD	272.64	50.326	33.951	42.087	29.446	224.22	151.50
#1	-.00006	.00962	-.51037	-.00152	.00136	.00033	.00067
#2	-.00002	.00605	-.44317	-.00061	.00124	-.00098	-.00024
#3	.00003	.00328	-.81938	-.00112	.00209	-.00023	.00054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00128	.00071	.00005	-.00025	.00003	-.00006	-.01574
SDev	.00052	.00047	.00023	.00312	.00161	.00204	.00246
%RSD	40.731	65.563	499.31	1264.4	5654.8	3227.5	15.658
#1	-.00126	.00030	-.00022	.00324	.00136	.00198	-.01292
#2	-.00181	.00122	.00021	-.00121	.00049	-.00008	-.01748

#3	-.00077	.00062	.00015	-.00277	-.00176	-.00210	-.01683
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00119	-.00001	.00004	.00334	.00016	-.00005	
SDev	.00062	.00007	.00036	.00277	.00034	.00007	
%RSD	52.185	509.95	1003.6	83.019	212.24	144.92	
#1	.00156	.00001	.00025	.00602	-.00022	-.00012	
#2	.00154	.00004	.00025	.00350	.00043	.00002	
#3	.00047	-.00010	-.00039	.00049	.00027	-.00004	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30498	--	--	--	--	--	--
SDev	184.3118	--	--	--	--	--	--
%RSD	.6043426	--	--	--	--	--	--
#1	30291	--	--	--	--	--	--
#2	30645	--	--	--	--	--	--
#3	30557	--	--	--	--	--	--

Method: METTRACE Sample Name: KKD9E Operator: RJG
Run Time: 04/09/08 13:50:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00064	.20048	.00062	.01789	.03365	.00034	3.9478
SDev	.00072	.00481	.00104	.00018	.00051	.00014	.0535
%RSD	111.62	2.3993	168.18	1.0137	1.5277	40.252	1.3564
#1	-.00089	.19723	.00006	.01810	.03337	.00042	3.9262
#2	.00017	.19821	.00182	.01780	.03334	.00040	3.9084
#3	-.00120	.20601	-.00002	.01777	.03424	.00018	4.0088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00018	.00339	.00000	-.00153	4.1809	1.0152	2.3730
SDev	.00016	.00044	.00031	.00020	.0589	.0315	.0310
%RSD	90.272	12.887	35718.	13.069	1.4092	3.1056	1.3065
#1	-.00024	.00333	-.00005	-.00158	4.1516	.99991	2.3537
#2	.00000	.00385	.00033	-.00171	4.1424	.99431	2.3565
#3	-.00031	.00298	-.00028	-.00132	4.2487	1.0515	2.4087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.58067	.00105	7.8429	.00095	.00234	-.00026	.00061
SDev	.00838	.00035	.1478	.00073	.00131	.00170	.00070
%RSD	1.4425	32.993	1.8849	77.102	56.029	655.32	115.50
#1	.57695	.00095	7.9257	.00028	.00130	.00120	.00123
#2	.57480	.00144	7.6722	.00172	.00382	-.00213	-.00015
#3	.59026	.00077	7.9308	.00083	.00191	.00015	.00073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00050	-.00174	-.00133	.00159	.00036	.00077	3.6216
SDev	.00214	.00159	.00059	.00170	.00081	.00060	.0623
%RSD	430.09	91.614	44.248	107.35	227.65	79.067	1.7206
#1	.00180	-.00285	-.00130	.00007	.00010	.00009	3.5926
#2	-.00243	.00009	-.00075	.00343	-.00030	.00095	3.5789

#3	-.00087	-.00245	-.00192	.00126	.00126	.00126	3.6931
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00031	.02339	.00126	.00418	.00091	.00597	
SDev	.00353	.00036	.00011	.00103	.00002	.00004	
%RSD	1128.9	1.5475	8.9798	24.554	1.7446	.68266	
#1	-.00377	.02309	.00118	.00409	.00091	.00594	
#2	.00241	.02330	.00139	.00525	.00090	.00597	
#3	.00230	.02379	.00121	.00320	.00093	.00602	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30653	--	--	--	--	--	--
SDev	503.2852	--	--	--	--	--	--
%RSD	1.641886	--	--	--	--	--	--
#1	30950	--	--	--	--	--	--
#2	30937	--	--	--	--	--	--
#3	30072	--	--	--	--	--	--

Method: METTRACE Sample Name: KKTXFBT Operator: RJG
Run Time: 04/09/08 13:55:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00085	.02926	-.00017	.00174	-.00020	.00036	.00858
SDev	.00036	.00197	.00031	.00014	.00008	.00012	.00058
%RSD	42.365	6.7200	182.05	7.9617	38.615	33.069	6.7556
#1	-.00086	.02761	-.00052	.00163	-.00028	.00023	.00793
#2	-.00049	.02872	.00001	.00168	-.00019	.00041	.00904
#3	-.00121	.03143	.00001	.00189	-.00013	.00045	.00878
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00076	.00017	-.00215	-.00959	.19532	-.00096
SDev	.00010	.00025	.00021	.00010	.00824	.00375	.00287
%RSD	313.44	32.664	127.17	4.7809	85.863	1.9216	299.27
#1	.00006	.00047	.00018	-.00225	-.01804	.19926	-.00099
#2	-.00015	.00087	.00038	-.00216	-.00914	.19491	.00193
#3	-.00001	.00093	-.00005	-.00204	-.00159	.19179	-.00382
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00144	-.72833	-.00098	.00362	-.00080	.00067
SDev	.00003	.00052	.24522	.00025	.00473	.00207	.00023
%RSD	28.377	35.768	33.669	25.519	130.50	259.89	33.560
#1	-.00010	.00203	-.94028	-.00086	.00652	-.00222	.00069
#2	-.00006	.00124	-.78495	-.00081	.00618	-.00174	.00089
#3	-.00011	.00106	-.45975	-.00127	-.00183	.00158	.00044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00224	-.00004	-.00077	.00031	-.00010	.00003	-.00282
SDev	.00303	.00287	.00095	.00315	.00287	.00159	.00259
%RSD	135.38	8038.4	123.27	1005.4	2741.7	4589.6	92.062
#1	-.00292	.00127	-.00013	.00092	-.00312	-.00178	-.00364
#2	-.00488	.00195	-.00032	.00312	.00021	.00118	-.00490

#3	.00107	-.00333	-.00186	-.00309	.00259	.00070	.00009
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00209	-.00007	-.00025	-.00185	-.00000	.00197	
SDev	.00139	.00007	.00012	.00106	.00025	.00004	
%RSD	66.709	97.187	47.992	57.015	8832.2	2.1531	
#1	.00048	-.00009	-.00018	-.00221	-.00022	.00195	
#2	.00299	.00001	-.00018	-.00269	.00027	.00194	
#3	.00280	-.00012	-.00039	-.00067	-.00006	.00202	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30326	--	--	--	--	--	--
SDev	296.1165	--	--	--	--	--	--
%RSD	.9764345	--	--	--	--	--	--
#1	29992	--	--	--	--	--	--
#2	30433	--	--	--	--	--	--
#3	30554	--	--	--	--	--	--

Method: METTRACE Sample Name: KKTXFCT Operator: RJG
Run Time: 04/09/08 14:01:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04990	2.0032	1.9491	.95167	1.9803	.05036	L.01215
SDev	.00058	.0112	.0071	.00053	.0058	.00003	.00228
%RSD	1.1649	.56136	.36534	.05576	.29392	.06753	18.727
#1	.05016	2.0155	1.9573	.95176	1.9824	.05035	L.00953
#2	.04923	2.0006	1.9453	.95215	1.9847	.05033	L.01327
#3	.05030	1.9934	1.9447	.95110	1.9737	.05040	L.01364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04946	.48739	.19914	.25468	1.0005	L.18423	L-.00418
SDev	.00031	.00167	.00100	.00078	.0196	.00792	.00339
%RSD	.63482	.34269	.50397	.30796	1.9546	4.3003	81.034
#1	.04971	.48897	.20007	.25543	1.0145	L.19331	L-.00388
#2	.04911	.48564	.19808	.25476	.97818	L.17867	L-.00771
#3	.04958	.48756	.19929	.25387	1.0089	L.18073	L-.00095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49843	L.00006	L-.65550	.49343	.49404	.49692	.49597
SDev	.00147	.00025	.19207	.00133	.00293	.00443	.00380
%RSD	.29410	432.37	29.301	.26889	.59330	.89084	.76638
#1	.50012	L.00034	L-.52220	.49460	.49716	.50194	.50035
#2	.49766	L-.00008	L-.87565	.49199	.49364	.49358	.49360
#3	.49751	L-.00009	L-.56864	.49369	.49134	.49525	.49395
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00198	-.00026	L-.00083	1.9460	1.9449	1.9453	L-.01096
SDev	.00042	.00103	.00079	.0060	.0130	.0106	.00265
%RSD	21.302	394.95	95.051	.30583	.66629	.54613	24.173
#1	-.00188	-.00090	L-.00122	1.9528	1.9597	1.9574	L-.00801
#2	-.00162	.00092	L.00008	1.9431	1.9396	1.9407	L-.01315

#3	-.00244	-.00081	L-.00135	1.9420	1.9355	1.9377	L-.01171
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L.00060	1.0162	L-.00043	1.9308	.49345	.49928	
SDev	.00110	.0022	.00037	.0072	.00137	.00121	
%RSD	184.15	.21604	87.718	.37426	.27674	.24235	
#1	L.00156	1.0173	L-.00039	1.9225	.49433	.50054	
#2	L-.00060	1.0176	L-.00081	1.9349	.49188	.49916	
#3	L.00083	1.0137	L-.00007	1.9351	.49414	.49813	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30358	--	--	--	--	--	--
SDev	146.5812	--	--	--	--	--	--
%RSD	.4828459	--	--	--	--	--	--
#1	30207	--	--	--	--	--	--
#2	30367	--	--	--	--	--	--
#3	30500	--	--	--	--	--	--

Method: METTRACE Sample Name: KKTXFLT Operator: RJG
Run Time: 04/09/08 14:06:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05084	2.0043	1.9543	.95119	1.9797	.05047	L.01869
SDev	.00051	.0096	.0095	.00222	.0066	.00023	.00060
%RSD	.99884	.48049	.48851	.23342	.33564	.45803	3.1988
#1	.05035	2.0095	1.9590	.95230	1.9861	.05058	L.01846
#2	.05136	2.0102	1.9607	.95263	1.9802	.05062	L.01937
#3	.05082	1.9932	1.9434	.94863	1.9729	.05020	L.01824
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04971	.48708	.20013	.25468	1.0028	L.19288	L.00161
SDev	.00023	.00178	.00075	.00039	.0147	.00992	.00404
%RSD	.47175	.36468	.37238	.15337	1.4634	5.1412	250.30
#1	.04973	.48638	.19990	.25507	.99312	L.18824	L-.00291
#2	.04994	.48910	.20097	.25469	1.0196	L.20427	L.00485
#3	.04947	.48577	.19953	.25429	.99550	L.18613	L.00290
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49949	L.00073	L-.56035	.49573	.49469	.49810	.49696
SDev	.00164	.00059	.35950	.00361	.00115	.00366	.00206
%RSD	.32857	80.635	64.157	.72859	.23205	.73525	.41462
#1	.50007	L.00017	L-.80788	.49722	.49435	.49913	.49754
#2	.50076	L.00135	L-.14799	.49836	.49375	.50113	.49867
#3	.49763	L.00067	L-.72518	.49161	.49597	.49403	.49468
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00158	.00009	L-.00047	1.9437	1.9469	1.9458	L-.00678
SDev	.00244	.00229	.00139	.0101	.0116	.0110	.00332
%RSD	154.50	2696.2	296.51	.52215	.59380	.56597	48.902
#1	.00068	.00061	L.00063	1.9502	1.9512	1.9509	L-.00544
#2	-.00125	-.00242	L-.00203	1.9489	1.9556	1.9534	L-.00435

#3	-.00416	.00207	L-.00000	1.9320	1.9338	1.9332	L-.01056
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L-.00036	1.0163	L-.00018	1.9312	.49534	.49955	
SDev	.00117	.0035	.00070	.0125	.00205	.00128	
%RSD	321.95	.34604	391.72	.64494	.41462	.25524	
#1	L-.00151	1.0198	L-.00082	1.9281	.49504	.49997	
#2	L-.00042	1.0163	L.00057	1.9449	.49752	.50057	
#3	L.00084	1.0127	L-.00028	1.9205	.49345	.49812	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30192	--	--	--	--	--	--
SDev	88.91612	--	--	--	--	--	--
%RSD	.2944986	--	--	--	--	--	--
#1	30193	--	--	--	--	--	--
#2	30103	--	--	--	--	--	--
#3	30281	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN8XT/10 Prep Dil Operator: RJG
Run Time: 04/09/08 14:12:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00039	6.6692	.00040	H45.482	.00268	-.00006	11.650
SDev	.00023	.0100	.00044	.026	.00012	.00002	.018
%RSD	58.418	.14990	109.91	.05670	4.2752	31.723	.15780
#1	-.00056	6.6774	-.00009	H45.491	.00260	-.00008	11.630
#2	-.00048	6.6720	.00053	H45.503	.00263	-.00004	11.654
#3	-.00013	6.6580	.00075	H45.453	.00281	-.00005	11.666
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02119	.02126	.02523	4.2391	7.4572	1.4753	4.4873
SDev	.00009	.00063	.00008	.0067	.0188	.0053	.0027
%RSD	.43718	2.9410	.31170	.15702	.25212	.35736	.05970
#1	.02122	.02095	.02532	4.2442	7.4449	1.4696	4.4842
#2	.02108	.02084	.02519	4.2415	7.4478	1.4761	4.4892
#3	.02126	.02198	.02517	4.2315	7.4788	1.4801	4.4885
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23821	.03154	17.240	.05944	.17617	.16951	.17173
SDev	.00017	.00077	.097	.00098	.00336	.00226	.00041
%RSD	.06988	2.4496	.56231	1.6473	1.9082	1.3304	.23658
#1	.23801	.03158	17.310	.05835	.17756	.16835	.17141
#2	.23829	.03229	17.281	.06024	.17863	.16808	.17159
#3	.23832	.03074	17.129	.05973	.17234	.17211	.17219
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00178	.00129	.00027	.01829	.00873	.01191	.07362
SDev	.00271	.00163	.00018	.00333	.00273	.00091	.00109
%RSD	151.67	125.98	68.906	18.225	31.245	7.6480	1.4750
#1	-.00216	.00153	.00030	.02079	.00779	.01212	.07425
#2	-.00428	.00279	.00043	.01957	.00660	.01092	.07236

#3	.00109	-.00044	.00007	.01451	.01181	.01271	.07423
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.03744	.04195	.00159	L-.01242	.00223	.85664	
SDev	.00062	.00007	.00027	.00231	.00041	.00042	
%RSD	1.6628	.15751	17.209	18.574	18.226	.04891	
#1	.03789	.04193	.00139	L-.01003	.00228	.85712	
#2	.03673	.04202	.00149	L-.01464	.00180	.85633	
#3	.03768	.04189	.00191	L-.01260	.00260	.85648	

Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31096	--	--	--	--	--	--
SDev	49.23789	--	--	--	--	--	--
%RSD	.1583423	--	--	--	--	--	--
#1	31054	--	--	--	--	--	--
#2	31150	--	--	--	--	--	--
#3	31083	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN8XP50T Prep Dil Operator: RJG
Run Time: 04/09/08 14:17:40
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00046	1.3598	.00046	9.2410	.00045	.00009	2.2817
SDev	.00030	.0030	.00016	.0122	.00001	.00003	.0014
%RSD	65.199	.22345	34.784	.13175	1.9925	31.824	.06248
#1	-.00080	1.3628	.00040	9.2550	.00045	.00012	2.2810
#2	-.00031	1.3599	.00034	9.2328	.00045	.00008	2.2808
#3	-.00026	1.3567	.00064	9.2352	.00044	.00006	2.2833

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00417	.00471	.00477	.83508	1.4648	.39059	.90800
SDev	.00009	.00013	.00029	.00157	.0022	.00204	.00442
%RSD	2.0684	2.7947	6.0690	.18747	.14744	.52157	.48701
#1	.00424	.00459	.00453	.83688	1.4628	.38896	.90408
#2	.00408	.00469	.00470	.83413	1.4646	.38994	.90712
#3	.00420	.00485	.00509	.83422	1.4671	.39287	.91279

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04643	.00610	3.4511	.01095	.03620	.03377	.03458
SDev	.00008	.00049	.0894	.00109	.00016	.00121	.00081
%RSD	.16881	8.1023	2.5892	9.9705	.43026	3.5848	2.3491
#1	.04638	.00563	3.3721	.00978	.03618	.03516	.03550
#2	.04639	.00662	3.4333	.01114	.03605	.03293	.03397
#3	.04652	.00604	3.5481	.01194	.03636	.03324	.03427

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	.00018	.00015	.00451	.00191	.00278	.00334
SDev	.00087	.00107	.00055	.00206	.00088	.00017	.00207
%RSD	974.13	579.79	360.32	45.622	45.847	6.3008	62.104
#1	.00103	-.00033	.00012	.00227	.00277	.00260	.00513
#2	-.00008	-.00054	-.00038	.00631	.00102	.00278	.00107
#3	-.00068	.00142	.00072	.00496	.00195	.00295	.00382

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00854	.00817	.00028	-.00161	-.00020	.17221
SDev	.00098	.00010	.00006	.00083	.00065	.00015
%RSD	11.477	1.2342	21.484	51.557	329.37	.08650
#1	.00901	.00805	.00025	-.00115	-.00095	.17210
#2	.00919	.00822	.00025	-.00112	.00018	.17216
#3	.00741	.00824	.00035	-.00257	.00018	.17238

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30673	--	--	--	--	--	--
SDev	3.099540	--	--	--	--	--	--
%RSD	.0101052	--	--	--	--	--	--
#1	30676	--	--	--	--	--	--
#2	30670	--	--	--	--	--	--
#3	30672	--	--	--	--	--	--

Method: METTRACE Sample Name: KKTXVB Operator: RJG
Run Time: 04/09/08 14:23:10
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00103	.02990	.00005	.04875	-.00015	.00039	-.00338
SDev	.00035	.00201	.00110	.00865	.00004	.00005	.00112
%RSD	33.683	6.7383	2046.7	17.743	29.489	12.042	33.071
#1	-.00143	.03209	.00130	.05794	-.00019	.00044	-.00354
#2	-.00078	.02813	-.00078	.04754	-.00016	.00034	-.00219
#3	-.00089	.02947	-.00036	.04077	-.00010	.00038	-.00442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.00132	-.00063	-.00225	-.00786	.12027	-.00211
SDev	.00005	.00054	.00006	.00007	.00769	.00060	.00323
%RSD	37.914	40.973	9.3169	3.2854	97.831	.50107	153.18
#1	-.00008	.00079	-.00057	-.00217	.00101	.12080	-.00547
#2	-.00018	.00129	-.00065	-.00229	-.01204	.12039	.00097
#3	-.00014	.00187	-.00068	-.00230	-.01255	.11961	-.00182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	-.00038	-.70840	-.00124	-.00154	.00131	.00036
SDev	.00004	.00008	.12237	.00044	.00365	.00118	.00046
%RSD	21.817	20.907	17.275	35.436	237.66	89.949	125.61
#1	-.00024	-.00030	-.81539	-.00174	-.00567	.00267	-.00011
#2	-.00020	-.00046	-.73485	-.00106	-.00020	.00069	.00039
#3	-.00016	-.00037	-.57497	-.00092	.00126	.00057	.00080
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00162	-.00232	-.00101	.00056	-.00000	.00018	-.01329
SDev	.00345	.00139	.00059	.00425	.00242	.00037	.00075
%RSD	212.53	59.741	58.409	759.89	103920.	199.12	5.6734
#1	.00547	-.00386	-.00075	-.00435	.00276	.00039	-.01258
#2	.00057	-.00117	-.00059	.00318	-.00098	.00040	-.01320

#3	-.00118	-.00194	-.00168	.00285	-.00178	-.00024	-.01408
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00091	-.00011	-.00009	.00342	-.00043	.00195	
SDev	.00085	.00010	.00023	.00174	.00036	.00006	
%RSD	93.054	96.613	256.75	50.962	83.766	3.3092	
#1	-.00006	-.00022	.00004	.00346	-.00084	.00187	
#2	.00131	-.00005	-.00036	.00514	-.00022	.00199	
#3	.00149	-.00005	.00004	.00166	-.00022	.00198	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31720	--	--	--	--	--	--
SDev	143.7626	--	--	--	--	--	--
%RSD	.4532242	--	--	--	--	--	--
#1	31817	--	--	--	--	--	--
#2	31788	--	--	--	--	--	--
#3	31555	--	--	--	--	--	--

Method: METTRACE Sample Name: KKTXVC Operator: RJG
Run Time: 04/09/08 14:28:40
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05214	2.0715	2.0104	1.0056	2.0150	.05014	L-.00007
SDev	.00063	.0058	.0014	.0020	.0056	.00011	.00137
%RSD	1.2085	.28153	.06971	.19690	.27791	.21420	2037.6
#1	.05287	2.0743	2.0120	1.0070	2.0204	.05026	L-.00104
#2	.05175	2.0754	2.0099	1.0065	2.0154	.05006	L.00150
#3	.05180	2.0648	2.0094	1.0033	2.0092	.05011	L-.00066
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05009	.49249	.20071	.26115	.99557	L.10461	L.00127
SDev	.00021	.00028	.00054	.00065	.01375	.00834	.00108
%RSD	.42263	.05695	.26878	.25076	1.3808	7.9718	84.563
#1	.05003	.49272	.20130	.26186	1.0029	L.10049	L.00189
#2	.04991	.49218	.20061	.26104	.97971	L.09913	L.00189
#3	.05032	.49257	.20023	.26056	1.0041	L.11420	L.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50293	L-.00029	L-1.0342	.49933	.49774	.50442	.50220
SDev	.00087	.00040	.1402	.00126	.00447	.00488	.00193
%RSD	.17304	141.40	13.560	.25321	.89907	.96834	.38388
#1	.50384	L-.00029	L-1.0101	.50077	.50006	.50378	.50254
#2	.50211	L-.00069	L-1.1849	.49842	.50059	.49988	.50012
#3	.50285	L.00012	L-.90757	.49879	.49259	.50959	.50393
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00159	.00087	L.00005	2.0557	2.0458	2.0491	L-.01278
SDev	.00418	.00166	.00088	.0010	.0136	.0093	.00057
%RSD	262.51	191.19	1767.4	.04799	.66308	.45229	4.4818
#1	-.00337	.00255	L.00058	2.0563	2.0400	2.0454	L-.01284
#2	-.00460	.00085	L-.00097	2.0546	2.0362	2.0423	L-.01219

#3	.00319	-.00078	L.00054	2.0564	2.0613	2.0597	L-.01333
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L-.00006	1.0384	L-.00016	1.9610	.49975	.51140	
SDev	.00017	.0042	.00031	.0119	.00207	.00087	
%RSD	280.42	.40848	188.55	.60884	.41339	.17004	
#1	L-.00024	1.0422	L.00014	1.9472	.50178	.51235	
#2	L-.00006	1.0392	L-.00047	1.9687	.49982	.51064	
#3	L.00011	1.0338	L-.00016	1.9671	.49765	.51122	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31441	--	--	--	--	--	--
SDev	139.7748	--	--	--	--	--	--
%RSD	.4445555	--	--	--	--	--	--
#1	31499	--	--	--	--	--	--
#2	31543	--	--	--	--	--	--
#3	31282	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHN Operator: RJG
Run Time: 04/09/08 14:34:10
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	.07539	.00346	.06592	.14367	.00017	93.606
SDev	.00023	.00155	.00080	.00151	.00034	.00006	.025
%RSD	108.42	2.0557	22.989	2.2849	.23310	36.421	.02618
#1	.00000	.07381	.00432	.06760	.14367	.00020	93.599
#2	-.00046	.07691	.00275	.06550	.14401	.00021	93.586
#3	-.00018	.07545	.00332	.06468	.14334	.00010	93.633
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00153	.00042	.00009	5.3118	5.9215	35.436
SDev	.00007	.00026	.00025	.00016	.0061	.0120	.007
%RSD	341.72	17.296	60.612	183.40	.11407	.20232	.02013
#1	.00006	.00184	.00053	.00014	5.3109	5.9219	35.444
#2	-.00005	.00141	.00013	-.00009	5.3062	5.9333	35.429
#3	-.00007	.00135	.00060	.00021	5.3182	5.9094	35.435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.92583	.00030	15.892	.00461	-.00039	-.00019	-.00025
SDev	.00046	.00071	.098	.00114	.00169	.00125	.00059
%RSD	.04965	233.06	.61693	24.643	431.41	672.32	231.59
#1	.92580	.00113	15.954	.00569	.00073	.00006	.00028
#2	.92630	-.00010	15.944	.00343	-.00233	.00093	-.00016
#3	.92538	-.00011	15.779	.00470	.00043	-.00154	-.00089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00087	.00025	-.00012	.00035	.00033	.00034	5.5981
SDev	.00213	.00175	.00089	.00135	.00256	.00126	.0112
%RSD	244.17	692.03	723.25	390.08	765.58	371.66	.20012
#1	-.00254	.00001	-.00084	-.00023	.00152	.00094	5.5923
#2	.00153	-.00136	-.00040	-.00062	.00209	.00118	5.6110

#3	-.00161	.00211	.00087	.00189	-.00260	-.00111	5.5910
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00053	.43313	-.00041	.00528	.00283	.00796	
SDev	.00107	.00099	.00034	.00298	.00126	.00010	
%RSD	201.59	.22954	81.137	56.393	44.606	1.2427	
#1	.00153	.43292	-.00028	.00802	.00429	.00805	
#2	.00065	.43422	-.00080	.00569	.00202	.00786	
#3	-.00059	.43227	-.00017	.00211	.00218	.00799	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30860	--	--	--	--	--	--
SDev	104.0365	--	--	--	--	--	--
%RSD	.3371224	--	--	--	--	--	--
#1	30762	--	--	--	--	--	--
#2	30849	--	--	--	--	--	--
#3	30969	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHNP5 Operator: RJG
Run Time: 04/09/08 14:39:40
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00122	.03647	.00058	.02447	.02786	.00037	18.450
SDev	.00077	.00232	.00092	.00157	.00014	.00016	.068
%RSD	62.938	6.3535	159.04	6.4001	.50077	41.901	.36719
#1	-.00036	.03789	.00015	.02562	.02789	.00019	18.527
#2	-.00148	.03773	.00164	.02511	.02798	.00047	18.424
#3	-.00182	.03380	-.00005	.02269	.02771	.00045	18.399

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	.00316	-.00025	-.00181	1.0331	1.1069	6.8641
SDev	.00011	.00022	.00032	.00022	.0127	.0085	.0307
%RSD	71.942	7.0855	127.28	12.162	1.2307	.77181	.44713
#1	-.00028	.00339	.00006	-.00192	1.0351	1.1141	6.8994
#2	-.00007	.00315	-.00023	-.00156	1.0446	1.1091	6.8493
#3	-.00011	.00294	-.00057	-.00195	1.0194	1.0975	6.8436

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18214	-.00012	2.7488	.00023	.00174	-.00051	.00024
SDev	.00055	.00071	.0735	.00064	.00288	.00145	.00022
%RSD	.30186	606.42	2.6737	279.96	165.20	286.27	89.808
#1	.18277	.00065	2.7902	.00060	.00388	-.00184	.00006
#2	.18187	-.00026	2.7923	-.00051	-.00153	.00103	.00018
#3	.18177	-.00075	2.6640	.00059	.00288	-.00071	.00048

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00099	-.00082	-.00088	.00211	-.00013	.00061	1.0672
SDev	.00116	.00193	.00091	.00180	.00314	.00159	.0052
%RSD	116.74	235.86	104.17	85.249	2328.2	259.85	.49120
#1	-.00178	.00082	-.00005	.00366	-.00138	.00030	1.0710
#2	.00034	-.00294	-.00185	.00014	.00343	.00234	1.0694
#3	-.00153	-.00033	-.00073	.00253	-.00246	-.00080	1.0612

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00107	.08457	-.00038	.00222	.00163	.00152
SDev	.00027	.00015	.00038	.00208	.00139	.00008
%RSD	25.220	.18387	98.201	93.582	84.869	5.4537
#1	-.00114	.08471	-.00028	.00444	.00267	.00154
#2	-.00078	.08460	-.00007	.00033	.00217	.00159
#3	-.00131	.08440	-.00080	.00189	.00006	.00143

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30600	--	--	--	--	--	--
SDev	128.6412	--	--	--	--	--	--
%RSD	.4203934	--	--	--	--	--	--
#1	30474	--	--	--	--	--	--
#2	30595	--	--	--	--	--	--
#3	30732	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-7 Operator: RJG
Run Time: 04/09/08 14:45:10
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0245	24.786	.50837	2.0011	2.0104	2.0411	49.800
SDev	.0030	.085	.00119	.0021	.0069	.0062	.159
%RSD	.29412	.34327	.23318	.10660	.34117	.30208	.31831
#1	1.0273	24.875	.50905	2.0026	2.0179	2.0427	49.814
#2	1.0250	24.779	.50905	2.0020	2.0089	2.0463	49.952
#3	1.0213	24.705	.50700	1.9987	2.0044	2.0343	49.636
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49744	1.9595	1.9919	2.0633	25.168	124.30	50.653
SDev	.00168	.0073	.0063	.0075	.070	.39	.178
%RSD	.33683	.37047	.31488	.36404	.27675	.31434	.35193
#1	.49798	1.9626	1.9934	2.0717	25.170	124.74	50.693
#2	.49878	1.9647	1.9972	2.0612	25.237	124.15	50.807
#3	.49556	1.9513	1.9850	2.0571	25.098	124.00	50.458
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0026	2.0057	125.63	1.9656	.49183	.49870	.49642
SDev	.0062	.0098	.43	.0068	.00619	.00191	.00176
%RSD	.30710	.48957	.34098	.34545	1.2593	.38215	.35423
#1	2.0052	1.9951	126.11	1.9705	.49460	.49653	.49589
#2	2.0070	2.0145	125.49	1.9685	.49616	.49948	.49838
#3	1.9956	2.0075	125.29	1.9579	.48474	.50009	.49498
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51932	.52083	.52033	.51759	.51337	.51478	1.9633
SDev	.00501	.00319	.00157	.00526	.00372	.00383	.0067
%RSD	.96500	.61285	.30159	1.0152	.72389	.74446	.33895
#1	.51449	.52145	.51913	.51510	.50922	.51118	1.9687
#2	.51898	.52367	.52211	.52363	.51640	.51881	1.9652

#3	.52449	.51738	.51975	.51405	.51448	.51434	1.9559
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9920	2.0535	2.0353	.98990	2.0116	2.0047	
SDev	.0068	.0081	.0042	.01114	.0064	.0052	
%RSD	.34026	.39491	.20581	1.1254	.31704	.25775	
#1	1.9909	2.0627	2.0354	.97778	2.0142	2.0079	
#2	1.9992	2.0508	2.0394	.99969	2.0163	2.0074	
#3	1.9857	2.0472	2.0310	.99222	2.0044	1.9987	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29995	--	--	--	--	--	--
SDev	104.9884	--	--	--	--	--	--
%RSD	.3500154	--	--	--	--	--	--
#1	30109	--	--	--	--	--	--
#2	29976	--	--	--	--	--	--
#3	29901	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB7 Operator: RJG
Run Time: 04/09/08 14:50:40
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00050	.03203	.00027	.01579	-.00011	.00038	-.01027
SDev	.00044	.00431	.00078	.00153	.00005	.00005	.00154
%RSD	87.737	13.445	293.69	9.6799	42.612	14.063	14.996
#1	-.00098	.03691	-.00002	.01755	-.00007	.00034	-.00855
#2	-.00012	.03042	-.00034	.01508	-.00016	.00037	-.01072
#3	-.00040	.02877	.00115	.01475	-.00010	.00044	-.01153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	.00161	-.00011	-.00169	-.00643	.18061	.00000
SDev	.00020	.00023	.00016	.00033	.00936	.00418	.00255
%RSD	131.85	14.141	137.63	19.326	145.55	2.3135	155770.
#1	.00008	.00137	-.00026	-.00132	.00364	.18267	-.00289
#2	-.00029	.00163	.00005	-.00195	-.01487	.17580	.00193
#3	-.00025	.00183	-.00013	-.00180	-.00806	.18336	.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00591	-.70840	-.00105	.00262	-.00012	.00079
SDev	.00007	.00268	.10093	.00028	.00518	.00245	.00010
%RSD	9557.9	45.370	14.247	26.601	197.43	1974.5	13.035
#1	-.00006	.00876	-.60976	-.00137	-.00325	.00266	.00069
#2	.00007	.00552	-.81147	-.00091	.00655	-.00192	.00090
#3	-.00002	.00344	-.70397	-.00086	.00457	-.00111	.00078
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00018	-.00029	-.00025	.00153	-.00041	.00023	-.01476
SDev	.00487	.00206	.00033	.00194	.00230	.00089	.00043
%RSD	2722.6	710.52	129.95	127.32	557.58	382.19	2.9195
#1	.00544	-.00262	.00006	-.00070	.00224	.00126	-.01497
#2	-.00270	.00046	-.00059	.00239	-.00161	-.00028	-.01427

#3	-.00327	.00129	-.00023	.00289	-.00187	-.00029	-.01505
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00137	-.00005	.00004	.00467	.00130	-.00005	
SDev	.00036	.00007	.00021	.00272	.00104	.00002	
%RSD	26.314	136.60	587.13	58.337	79.616	44.037	
#1	.00173	-.00007	.00025	.00707	.00191	-.00003	
#2	.00101	.00003	-.00018	.00171	.00190	-.00004	
#3	.00137	-.00010	.00004	.00523	.00011	-.00007	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30476	--	--	--	--	--	--
SDev	88.15758	--	--	--	--	--	--
%RSD	.2892719	--	--	--	--	--	--
#1	30390	--	--	--	--	--	--
#2	30472	--	--	--	--	--	--
#3	30566	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHNS Operator: RJG
Run Time: 04/09/08 14:56:10
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05152	2.0788	2.0145	1.0236	2.1242	.05046	91.964
SDev	.00029	.0076	.0116	.0048	.0018	.00016	.456
%RSD	.56299	.36446	.57427	.47284	.08659	.32010	.49564
#1	.05123	2.0722	2.0050	1.0183	2.1221	.05028	91.574
#2	.05153	2.0771	2.0112	1.0248	2.1255	.05048	91.852
#3	.05181	2.0871	2.0274	1.0278	2.1249	.05060	92.465
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04851	.48385	.19962	.25599	6.2355	5.8349	34.790
SDev	.00019	.00229	.00068	.00058	.0375	.0117	.169
%RSD	.40280	.47267	.33898	.22697	.60089	.20027	.48690
#1	.04841	.48164	.19918	.25533	6.1969	5.8215	34.632
#2	.04840	.48368	.19929	.25624	6.2378	5.8430	34.771
#3	.04874	.48621	.20040	.25641	6.2717	5.8401	34.969
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4116	.00101	15.323	.49352	.48653	.48878	.48803
SDev	.0049	.00100	.133	.00314	.00308	.00436	.00324
%RSD	.34889	98.599	.86502	.63576	.63341	.89291	.66325
#1	1.4073	.00024	15.223	.49007	.48396	.48476	.48449
#2	1.4105	.00065	15.473	.49427	.48995	.48816	.48875
#3	1.4170	.00214	15.274	.49621	.48568	.49342	.49084
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00182	-.00035	-.00084	2.0330	2.0107	2.0181	5.4664
SDev	.00220	.00108	.00036	.0129	.0139	.0131	.0188
%RSD	120.39	310.66	43.301	.63316	.69125	.64804	.34404
#1	-.00276	-.00051	-.00126	2.0248	1.9960	2.0056	5.4498
#2	-.00340	.00081	-.00059	2.0263	2.0125	2.0171	5.4625

#3	.00068	-.00134	-.00067	2.0478	2.0236	2.0317	5.4868
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00096	1.4387	-.00060	1.9245	.49822	.50811	
SDev	.00078	.0011	.00021	.0230	.00149	.00171	
%RSD	81.462	.07685	35.065	1.1944	.29876	.33615	
#1	-.00132	1.4375	-.00039	1.8995	.49708	.50671	
#2	-.00149	1.4388	-.00081	1.9295	.49767	.50759	
#3	-.00006	1.4397	-.00060	1.9446	.49990	.51001	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30496	--	--	--	--	--	--
SDev	62.33785	--	--	--	--	--	--
%RSD	.2044122	--	--	--	--	--	--
#1	30435	--	--	--	--	--	--
#2	30560	--	--	--	--	--	--
#3	30493	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHND Operator: RJG
Run Time: 04/09/08 15:01:41
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05183	2.0796	2.0039	1.0195	2.1199	.05019	91.555
SDev	.00034	.0127	.0173	.0060	.0111	.00027	.791
%RSD	.64746	.60918	.86294	.58432	.52218	.53519	.86428
#1	.05214	2.0942	2.0235	1.0261	2.1316	.05040	92.427
#2	.05147	2.0722	1.9909	1.0146	2.1096	.04988	90.884
#3	.05188	2.0724	1.9972	1.0178	2.1186	.05028	91.353
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04862	.48426	.19949	.25521	6.2116	5.8516	34.637
SDev	.00038	.00421	.00175	.00130	.0474	.0297	.283
%RSD	.78698	.86959	.87751	.50808	.76259	.50703	.81672
#1	.04903	.48902	.20139	.25657	6.2640	5.8800	34.952
#2	.04828	.48101	.19794	.25399	6.1717	5.8208	34.403
#3	.04855	.48275	.19914	.25508	6.1992	5.8540	34.557
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.3973	.00042	15.383	.49233	.48069	.48855	.48593
SDev	.0105	.00034	.262	.00520	.00334	.00532	.00441
%RSD	.75057	79.861	1.7062	1.0556	.69594	1.0899	.90695
#1	1.4088	.00043	15.676	.49754	.48312	.49467	.49082
#2	1.3882	.00008	15.306	.48714	.47687	.48496	.48227
#3	1.3951	.00076	15.169	.49230	.48207	.48601	.48470
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00023	-.00220	-.00154	2.0152	2.0153	2.0153	5.4424
SDev	.00079	.00105	.00089	.0132	.0222	.0192	.0364
%RSD	348.83	47.657	57.494	.65518	1.1019	.95207	.66903
#1	.00042	-.00233	-.00142	2.0294	2.0401	2.0365	5.4842
#2	.00000	-.00109	-.00072	2.0033	1.9972	1.9992	5.4174

#3	-.00111	-.00317	-.00248	2.0129	2.0086	2.0100	5.4258
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00042	1.4331	-.00032	1.9222	.49669	.50553	
SDev	.00042	.0068	.00033	.0055	.00351	.00378	
%RSD	99.467	.47413	101.51	.28579	.70597	.74776	
#1	.00066	1.4403	.00003	1.9226	.50039	.50974	
#2	-.00006	1.4268	-.00039	1.9165	.49341	.50243	
#3	.00066	1.4321	-.00061	1.9275	.49628	.50442	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30229	--	--	--	--	--	--
SDev	112.5207	--	--	--	--	--	--
%RSD	.3722256	--	--	--	--	--	--
#1	30165	--	--	--	--	--	--
#2	30359	--	--	--	--	--	--
#3	30164	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHX Operator: RJG
Run Time: 04/09/08 15:07:10
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00152	.03355	.00021	.05307	.09270	.00044	87.226
SDev	.00027	.00298	.00075	.00114	.00011	.00012	.281
%RSD	18.022	8.8845	365.63	2.1547	.11875	26.255	.32160
#1	-.00133	.03026	-.00002	.05426	.09283	.00052	87.478
#2	-.00139	.03607	-.00041	.05299	.09263	.00031	87.277
#3	-.00183	.03431	.00105	.05197	.09264	.00048	86.924
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00032	.00066	-.00092	-.00225	-.04148	5.7198	34.623
SDev	.00009	.00095	.00018	.00014	.00698	.0222	.123
%RSD	28.649	143.27	19.321	6.2848	16.833	.38826	.35637
#1	-.00037	-.00020	-.00072	-.00233	-.04823	5.7429	34.741
#2	-.00021	.00168	-.00102	-.00208	-.03429	5.6986	34.634
#3	-.00037	.00051	-.00103	-.00233	-.04191	5.7178	34.495
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00403	.00008	15.159	-.00049	-.00112	.00104	.00032
SDev	.00004	.00008	.131	.00049	.00289	.00227	.00066
%RSD	.96733	95.494	.86102	100.88	258.22	217.86	204.41
#1	.00404	.00000	15.013	.00005	.00194	-.00156	-.00040
#2	.00407	.00016	15.201	-.00091	-.00149	.00209	.00090
#3	.00399	.00009	15.264	-.00061	-.00380	.00260	.00047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00117	-.00234	-.00117	.00056	.00090	.00079	5.1396
SDev	.00354	.00210	.00043	.00362	.00158	.00059	.0123
%RSD	303.93	89.851	36.954	642.68	175.97	74.355	.24006
#1	-.00292	.00001	-.00096	.00474	-.00068	.00113	5.1537
#2	.00307	-.00404	-.00167	-.00161	.00249	.00112	5.1341

#3	.00335	-.00300	-.00088	-.00144	.00089	.00011	5.1310
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00114	.40737	-.00089	.00539	.00321	.00181	
SDev	.00062	.00055	.00012	.00099	.00056	.00006	
%RSD	54.409	.13425	13.956	18.429	17.598	3.4756	
#1	-.00078	.40788	-.00103	.00573	.00354	.00174	
#2	-.00186	.40679	-.00081	.00616	.00353	.00183	
#3	-.00078	.40744	-.00082	.00427	.00255	.00186	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30340	--	--	--	--	--	--
SDev	48.73767	--	--	--	--	--	--
%RSD	.1606378	--	--	--	--	--	--
#1	30312	--	--	--	--	--	--
#2	30396	--	--	--	--	--	--
#3	30312	--	--	--	--	--	--

Method: METTRACE Sample Name: KKPP7 Operator: RJG
Run Time: 04/09/08 15:12:41
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.25886	.00435	.22406	.11476	.00002	69.962
SDev	.00018	.00082	.00087	.00014	.00022	.00009	.011
%RSD	135.85	.31881	19.973	.06131	.18968	444.30	.01549
#1	-.00012	.25895	.00357	.22396	.11501	.00009	69.949
#2	-.00033	.25799	.00418	.22401	.11460	.00005	69.966
#3	.00004	.25963	.00528	.22422	.11467	-.00008	69.970
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	.00396	.00045	.00223	.65011	2.5080	8.2482
SDev	.00006	.00025	.00018	.00020	.01360	.0063	.0043
%RSD	233.12	6.3557	39.354	8.8203	2.0925	.25085	.05201
#1	.00005	.00419	.00060	.00201	.66388	2.5132	8.2481
#2	-.00004	.00369	.00050	.00238	.63668	2.5098	8.2440
#3	.00006	.00399	.00026	.00231	.64977	2.5010	8.2526
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.89556	.00216	118.58	.00099	.00118	-.00159	-.00067
SDev	.00070	.00068	.13	.00023	.00103	.00110	.00072
%RSD	.07856	31.393	.10883	23.310	87.232	68.981	107.83
#1	.89625	.00199	118.49	.00097	.00183	-.00075	.00011
#2	.89485	.00158	118.53	.00123	.00171	-.00283	-.00132
#3	.89559	.00291	118.73	.00077	-.00001	-.00119	-.00080
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00385	-.00120	-.00208	.00441	-.00239	-.00012	8.7764
SDev	.00235	.00120	.00009	.00457	.00074	.00162	.0135
%RSD	61.184	99.716	4.3702	103.62	30.891	1317.9	.15372
#1	-.00122	-.00258	-.00212	.00375	-.00323	-.00091	8.7737
#2	-.00577	-.00034	-.00215	.00927	-.00201	.00175	8.7644

#3	-.00456	-.00069	-.00198	.00020	-.00191	-.00121	8.7910
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00012	.15126	.00167	.00237	.00209	.00724	
SDev	.00072	.00035	.00012	.00170	.00057	.00012	
%RSD	613.16	.22982	7.3710	71.700	27.180	1.6047	
#1	.00012	.15154	.00174	.00292	.00176	.00714	
#2	-.00060	.15087	.00174	.00373	.00176	.00737	
#3	.00084	.15138	.00152	.00047	.00274	.00721	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30286	--	--	--	--	--	--
SDev	28.05724	--	--	--	--	--	--
%RSD	.0926409	--	--	--	--	--	--
#1	30315	--	--	--	--	--	--
#2	30259	--	--	--	--	--	--
#3	30284	--	--	--	--	--	--

Method: METTRACE Sample Name: KKPP8 Operator: RJG
Run Time: 04/09/08 15:18:11
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00130	.26872	.00206	.22875	.11580	.00001	70.987
SDev	.00046	.00127	.00116	.00138	.00028	.00003	.396
%RSD	35.502	.47260	56.372	.60396	.24640	351.02	.55834
#1	-.00078	.27000	.00072	.22924	.11589	-.00002	71.424
#2	-.00146	.26746	.00267	.22719	.11548	.00003	70.651
#3	-.00167	.26870	.00280	.22981	.11602	.00002	70.886
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	.00295	.00005	.00183	.59257	2.5018	8.3193
SDev	.00006	.00011	.00046	.00022	.01368	.0119	.0446
%RSD	20.466	3.7632	993.92	12.149	2.3091	.47437	.53601
#1	-.00023	.00306	.00055	.00206	.60801	2.5118	8.3665
#2	-.00034	.00296	-.00035	.00162	.58775	2.4887	8.2779
#3	-.00026	.00284	-.00006	.00180	.58194	2.5049	8.3134
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.89820	.00121	114.71	.00099	.00044	.00066	.00059
SDev	.00401	.00062	.42	.00017	.00154	.00081	.00077
%RSD	.44660	51.293	.36898	17.072	350.38	122.32	130.15
#1	.90227	.00070	114.76	.00110	.00117	.00154	.00141
#2	.89425	.00103	114.27	.00079	-.00133	.00051	-.00010
#3	.89809	.00190	115.11	.00107	.00149	-.00006	.00045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00080	-.00042	-.00054	.00278	-.00009	.00087	8.8924
SDev	.00148	.00091	.00011	.00311	.00086	.00119	.0383
%RSD	185.46	217.57	21.140	111.61	963.53	136.71	.43075
#1	-.00182	.00025	-.00044	.00268	-.00109	.00017	8.9223
#2	.00090	-.00145	-.00066	-.00027	.00043	.00020	8.8493

#3	-.00148	-.00006	-.00053	.00594	.00039	.00224	8.9057
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00085	.15472	.00169	.00073	.00222	.00874	
SDev	.00092	.00050	.00032	.00191	.00112	.00007	
%RSD	107.84	.32186	19.236	260.47	50.369	.82059	
#1	-.00098	.15483	.00197	.00236	.00194	.00879	
#2	-.00171	.15418	.00176	.00121	.00127	.00877	
#3	.00012	.15516	.00133	-.00137	.00346	.00866	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29786	--	--	--	--	--	--
SDev	132.8201	--	--	--	--	--	--
%RSD	.4459169	--	--	--	--	--	--
#1	29875	--	--	--	--	--	--
#2	29849	--	--	--	--	--	--
#3	29633	--	--	--	--	--	--

Method: METTRACE Sample Name: KKPP9 Operator: RJG
Run Time: 04/09/08 15:23:42
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	.27957	.00301	.22520	.11458	-.00007	70.073
SDev	.00056	.00653	.00119	.00129	.00055	.00011	.136
%RSD	393.84	2.3353	39.468	.57510	.48162	148.12	.19376
#1	.00003	.27264	.00342	.22388	.11404	.00005	69.971
#2	-.00077	.28561	.00167	.22647	.11514	-.00014	70.227
#3	.00031	.28047	.00393	.22524	.11456	-.00013	70.021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	.00377	.00058	.00266	.63830	2.4999	8.2803
SDev	.00012	.00027	.00043	.00046	.01767	.0086	.0135
%RSD	115.40	7.1059	73.171	17.420	2.7688	.34397	.16251
#1	-.00001	.00349	.00080	.00213	.61790	2.4988	8.2685
#2	-.00023	.00380	.00009	.00286	.64883	2.5090	8.2949
#3	-.00006	.00402	.00086	.00298	.64818	2.4919	8.2775
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.87960	.00204	116.80	.00158	.00284	-.00069	.00048
SDev	.00218	.00059	.81	.00121	.00409	.00195	.00009
%RSD	.24824	28.841	.68986	76.664	143.64	280.25	18.314
#1	.87782	.00145	116.12	.00275	.00719	-.00280	.00053
#2	.88204	.00204	117.69	.00033	-.00092	.00103	.00038
#3	.87894	.00262	116.60	.00167	.00226	-.00031	.00054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00214	-.00009	-.00077	.00293	-.00218	-.00048	8.8158
SDev	.00280	.00182	.00028	.00461	.00206	.00046	.0472
%RSD	130.89	2088.9	36.898	157.26	94.556	94.928	.53487
#1	-.00536	.00201	-.00045	.00816	-.00430	-.00015	8.7750
#2	-.00043	-.00125	-.00097	-.00052	-.00018	-.00029	8.8674

#3	-.00062	-.00102	-.00089	.00115	-.00207	-.00100	8.8050
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00018	.15232	.00233	.00170	.00278	.00983	
SDev	.00064	.00070	.00025	.00120	.00158	.00005	
%RSD	354.58	.46169	10.653	70.595	57.065	.55154	
#1	.00012	.15172	.00219	.00297	.00194	.00984	
#2	-.00043	.15309	.00219	.00155	.00178	.00977	
#3	.00085	.15214	.00262	.00058	.00460	.00987	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29905	--	--	--	--	--	--
SDev	16.21949	--	--	--	--	--	--
%RSD	.0542368	--	--	--	--	--	--
#1	29915	--	--	--	--	--	--
#2	29886	--	--	--	--	--	--
#3	29914	--	--	--	--	--	--

Method: METTRACE Sample Name: KKQ6V Operator: RJG
Run Time: 04/09/08 15:29:12
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00106	.10475	-.00025	.03981	.20968	.00030	23.432
SDev	.00030	.00514	.00094	.00035	.00041	.00015	.069
%RSD	28.501	4.9070	379.30	.88808	.19664	51.155	.29471
#1	-.00089	.10987	-.00044	.04021	.20923	.00040	23.503
#2	-.00140	.10480	-.00108	.03968	.20975	.00038	23.429
#3	-.00087	.09959	.00077	.03954	.21004	.00012	23.365
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00510	-.00041	.00522	1.0023	1.2312	4.8377
SDev	.00016	.00043	.00016	.00053	.0199	.0090	.0137
%RSD	95.650	8.4207	38.492	10.215	1.9893	.73034	.28387
#1	-.00000	.00559	-.00057	.00575	1.0219	1.2410	4.8531
#2	-.00031	.00480	-.00040	.00525	1.0030	1.2294	4.8329
#3	-.00017	.00491	-.00026	.00468	.98202	1.2233	4.8269
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1691	-.00055	8.0750	.02006	.00003	.00062	.00043
SDev	.0020	.00027	.1965	.00021	.00424	.00298	.00059
%RSD	.17198	48.985	2.4329	1.0407	12518.	479.30	139.39
#1	1.1712	-.00074	8.1359	.01994	-.00468	.00385	.00101
#2	1.1690	-.00066	8.2338	.02031	.00125	.00005	.00045
#3	1.1672	-.00024	7.8553	.01995	.00353	-.00203	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00039	-.00045	-.00017	.00165	-.00088	-.00004	3.2789
SDev	.00386	.00347	.00103	.00348	.00140	.00085	.0036
%RSD	992.70	765.34	597.25	211.27	159.56	2416.7	.10874
#1	.00342	-.00302	-.00088	-.00061	.00071	.00027	3.2788
#2	.00170	-.00183	-.00065	-.00011	-.00143	-.00099	3.2754

#3	-.00396	.00349	.00101	.00566	-.00191	.00061	3.2825
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00132	.07133	.00025	.00279	.00044	.48459	
SDev	.00128	.00020	.00064	.00165	.00081	.00082	
%RSD	96.903	.27711	258.96	59.164	186.56	.16859	
#1	-.00006	.07122	.00089	.00455	.00137	.48527	
#2	.00247	.07121	.00025	.00128	.00005	.48481	
#3	.00156	.07155	-.00039	.00253	-.00012	.48368	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30198	--	--	--	--	--	--
SDev	7.120143	--	--	--	--	--	--
%RSD	.0235780	--	--	--	--	--	--
#1	30206	--	--	--	--	--	--
#2	30194	--	--	--	--	--	--
#3	30195	--	--	--	--	--	--

Method: METTRACE Sample Name: KKQP5 Operator: RJG
Run Time: 04/09/08 15:34:43
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	.14513	.00020	.09246	.04087	-.00004	24.182
SDev	.00027	.00283	.00038	.00060	.00013	.00002	.049
%RSD	120.47	1.9475	189.52	.65097	.30677	58.109	.20388
#1	-.00053	.14336	.00005	.09226	.04074	-.00006	24.232
#2	-.00002	.14839	-.00008	.09314	.04098	-.00005	24.179
#3	-.00012	.14363	.00064	.09198	.04090	-.00001	24.134
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00019	.00070	.00182	.07443	.22634	29.805	5.6664
SDev	.00005	.00062	.00037	.00046	.00343	.037	.0080
%RSD	28.222	88.589	20.323	.61707	1.5164	.12290	.14139
#1	.00017	.00056	.00149	.07402	.22269	29.820	5.6725
#2	.00015	.00138	.00222	.07493	.22949	29.832	5.6694
#3	.00025	.00016	.00176	.07433	.22685	29.764	5.6573
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03066	.00171	33.635	.00202	.00162	.00207	.00192
SDev	.00015	.00046	.034	.00087	.00097	.00113	.00043
%RSD	.48485	27.041	.10193	42.981	59.795	54.718	22.637
#1	.03058	.00121	33.596	.00142	.00088	.00299	.00229
#2	.03056	.00179	33.660	.00302	.00126	.00241	.00202
#3	.03083	.00213	33.648	.00162	.00271	.00081	.00144
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	-.00008	-.00001	.00229	.00001	.00077	2.2218
SDev	.00175	.00147	.00102	.00489	.00052	.00196	.0029
%RSD	1324.7	1809.1	10059.	213.20	7355.8	255.26	.13131
#1	.00187	.00043	.00091	-.00217	-.00056	-.00110	2.2229
#2	.00017	-.00174	-.00110	.00153	.00012	.00059	2.2240

#3	-.00164	.00106	.00016	.00752	.00046	.00281	2.2185
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00195	.32759	.00133	.00218	.00062	.33172	
SDev	.00168	.00091	.00021	.00140	.00082	.00041	
%RSD	85.961	.27708	16.144	64.064	132.57	.12484	
#1	.00012	.32654	.00111	.00362	-.00032	.33187	
#2	.00341	.32807	.00154	.00209	.00118	.33125	
#3	.00232	.32815	.00133	.00083	.00101	.33204	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29786	--	--	--	--	--	--
SDev	65.05952	--	--	--	--	--	--
%RSD	.2184217	--	--	--	--	--	--
#1	29711	--	--	--	--	--	--
#2	29820	--	--	--	--	--	--
#3	29827	--	--	--	--	--	--

Method: METTRACE Sample Name: KKQPP Operator: RJG
Run Time: 04/09/08 15:40:14
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00150	.11164	-.00020	.10075	.10201	.00011	37.797
SDev	.00090	.00149	.00105	.00065	.00065	.00017	.175
%RSD	60.073	1.3345	531.11	.64826	.63645	155.80	.46355
#1	-.00138	.11083	-.00128	.10143	.10270	.00005	37.947
#2	-.00066	.11336	.00081	.10071	.10193	-.00002	37.838
#3	-.00245	.11073	-.00011	.10012	.10141	.00031	37.604
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	-.00012	.00049	.02390	1.0883	10.917	8.4094
SDev	.00019	.00019	.00072	.00025	.0069	.042	.0467
%RSD	621.42	162.76	145.67	1.0336	.62990	.38919	.55476
#1	.00005	-.00023	.00023	.02387	1.0911	10.964	8.4477
#2	.00011	.00010	.00130	.02416	1.0933	10.907	8.4230
#3	-.00025	-.00023	-.00006	.02367	1.0805	10.881	8.3574
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02693	-.00037	221.99	.00062	-.00006	.00219	.00144
SDev	.00025	.00071	1.64	.00022	.00463	.00160	.00092
%RSD	.93778	194.13	.73968	35.238	7827.4	72.917	63.746
#1	.02705	-.00073	223.89	.00038	-.00036	.00120	.00068
#2	.02711	.00045	221.09	.00080	.00471	.00133	.00246
#3	.02664	-.00081	221.00	.00070	-.00452	.00403	.00118
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00200	-.00249	-.00099	.00154	.00078	.00104	4.0646
SDev	.00250	.00081	.00030	.00104	.00313	.00176	.0279
%RSD	125.41	32.582	30.391	67.149	399.13	169.37	.68682
#1	.00248	-.00254	-.00087	.00142	.00018	.00059	4.0953
#2	-.00071	-.00165	-.00134	.00263	-.00199	-.00045	4.0578

#3	.00422	-.00327	-.00077	.00057	.00417	.00297	4.0407
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00226	1.1954	.00082	.00122	.00041	.22175	
SDev	.00171	.0077	.00013	.00102	.00050	.00108	
%RSD	75.548	.64424	15.331	84.029	122.48	.48564	
#1	.00176	1.2042	.00068	.00226	.00041	.22271	
#2	.00416	1.1925	.00090	.00022	.00091	.22195	
#3	.00085	1.1896	.00090	.00117	-.00009	.22059	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29797	--	--	--	--	--	--
SDev	89.12131	--	--	--	--	--	--
%RSD	.2990936	--	--	--	--	--	--
#1	29900	--	--	--	--	--	--
#2	29744	--	--	--	--	--	--
#3	29747	--	--	--	--	--	--

Method: METTRACE Sample Name: KKTXMBF Operator: RJG
Run Time: 04/09/08 15:45:45
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00168	.03416	-.00078	.00226	-.00032	.00037	-.00463
SDev	.00033	.00565	.00083	.00068	.00007	.00005	.00036
%RSD	19.444	16.543	105.85	30.126	21.467	12.731	7.7905
#1	-.00164	.03342	-.00090	.00258	-.00029	.00032	-.00430
#2	-.00137	.04015	.00010	.00272	-.00027	.00037	-.00501
#3	-.00202	.02892	-.00155	.00148	-.00040	.00041	-.00459
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	.00186	-.00097	-.00237	-.02462	.16334	-.00449
SDev	.00005	.00057	.00033	.00027	.00778	.00582	.00309
%RSD	20.867	30.592	33.517	11.289	31.617	3.5652	68.766
#1	-.00030	.00126	-.00104	-.00246	-.01565	.16937	-.00580
#2	-.00024	.00239	-.00062	-.00207	-.02864	.16289	-.00097
#3	-.00020	.00194	-.00126	-.00259	-.02958	.15775	-.00672
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	-.00030	-.86287	-.00145	.00311	-.00039	.00078
SDev	.00008	.00102	.22298	.00054	.00213	.00161	.00053
%RSD	40.238	338.99	25.841	37.280	68.506	418.61	68.286
#1	-.00024	-.00116	-.65928	-.00086	.00129	.00140	.00136
#2	-.00010	.00083	-.82815	-.00157	.00545	-.00175	.00065
#3	-.00024	-.00058	-1.1012	-.00192	.00258	-.00080	.00032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00223	.00001	-.00074	.00375	-.00243	-.00037	-.01215
SDev	.00192	.00147	.00064	.00287	.00157	.00150	.00096
%RSD	86.125	23715.	86.445	76.440	64.500	403.36	7.8656
#1	-.00021	-.00075	-.00057	.00501	-.00068	.00121	-.01222
#2	-.00403	.00171	-.00020	.00577	-.00372	-.00056	-.01116

#3	-.00245	-.00094	-.00144	.00047	-.00289	-.00177	-.01307
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00054	-.00020	-.00067	-.00056	-.00164	.00256	
SDev	.00058	.00009	.00033	.00071	.00123	.00007	
%RSD	106.66	45.474	48.404	126.36	74.713	2.7569	
#1	-.00078	-.00024	-.00103	-.00138	-.00235	.00262	
#2	.00012	-.00009	-.00039	-.00014	-.00023	.00259	
#3	-.00096	-.00026	-.00060	-.00017	-.00234	.00248	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30351	--	--	--	--	--	--
SDev	94.53098	--	--	--	--	--	--
%RSD	.3114587	--	--	--	--	--	--
#1	30286	--	--	--	--	--	--
#2	30307	--	--	--	--	--	--
#3	30460	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-8 Operator: RJG
Run Time: 04/09/08 15:51:15
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0179	24.666	.50894	1.9823	2.0066	2.0367	49.696
SDev	.0040	.121	.00438	.0157	.0058	.0147	.437
%RSD	.39443	.48913	.86131	.79332	.28779	.72088	.87941
#1	1.0152	24.587	.50456	1.9683	2.0023	2.0247	49.361
#2	1.0161	24.607	.50894	1.9793	2.0043	2.0323	49.537
#3	1.0226	24.805	.51333	1.9993	2.0131	2.0531	50.191
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49693	1.9546	1.9930	2.0511	25.126	124.77	50.659
SDev	.00411	.0141	.0145	.0066	.197	.49	.427
%RSD	.82645	.71984	.72875	.32180	.78599	.39607	.84259
#1	.49339	1.9430	1.9812	2.0462	24.973	124.85	50.337
#2	.49596	1.9507	1.9885	2.0486	25.056	124.24	50.497
#3	.50143	1.9703	2.0092	2.0586	25.349	125.22	51.143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0009	2.0078	124.91	1.9639	.49709	.49529	.49589
SDev	.0125	.0246	.73	.0156	.00301	.00553	.00468
%RSD	.62312	1.2248	.58498	.79608	.60516	1.1167	.94424
#1	1.9908	1.9834	124.60	1.9493	.49440	.49097	.49211
#2	1.9969	2.0075	124.38	1.9620	.49654	.49336	.49442
#3	2.0148	2.0326	125.74	1.9804	.50034	.50152	.50113
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51435	.52296	.52009	.51682	.51048	.51259	1.9554
SDev	.00419	.00384	.00385	.00544	.00801	.00691	.0140
%RSD	.81426	.73503	.73954	1.0523	1.5694	1.3483	.71823
#1	.51127	.52212	.51850	.51557	.50382	.50773	1.9481
#2	.51267	.51961	.51730	.51211	.50825	.50954	1.9465

#3	.51912	.52715	.52448	.52277	.51937	.52050	1.9716
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.9932	2.0525	2.0327	.98700	2.0048	1.9991	
SDev	.0194	.0070	.0109	.01798	.0111	.0114	
%RSD	.97177	.34021	.53679	1.8214	.55375	.56971	
#1	1.9771	2.0458	2.0253	.96816	1.9961	1.9892	
#2	1.9877	2.0519	2.0275	.98887	2.0010	1.9964	
#3	2.0147	2.0597	2.0452	1.0040	2.0173	2.0115	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29329	--	--	--	--	--	--
SDev	77.23344	--	--	--	--	--	--
%RSD	.2633352	--	--	--	--	--	--
#1	29240	--	--	--	--	--	--
#2	29370	--	--	--	--	--	--
#3	29377	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB8 Operator: RJG
Run Time: 04/09/08 15:56:45
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00085	.03383	.00035	.00802	-.00007	.00031	-.00725
SDev	.00107	.00247	.00136	.00219	.00011	.00007	.00308
%RSD	125.22	7.2960	384.96	27.348	168.04	21.940	42.450
#1	.00019	.03588	.00162	.01053	.00006	.00023	-.00633
#2	-.00194	.03451	-.00108	.00708	-.00016	.00036	-.00473
#3	-.00081	.03109	.00051	.00645	-.00010	.00034	-.01068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	.00021	-.00037	-.00187	.00071	.20247	-.00001
SDev	.00019	.00063	.00063	.00050	.01350	.00710	.00388
%RSD	309.22	301.18	169.82	26.621	1895.5	3.5077	33731.
#1	.00015	.00087	.00022	-.00130	.01547	.20649	.00386
#2	-.00021	-.00039	-.00103	-.00223	-.01102	.19427	-.00389
#3	-.00013	.00014	-.00029	-.00208	-.00231	.20665	-.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00558	-.61046	-.00088	-.00077	.00075	.00025
SDev	.00009	.00321	.10960	.00064	.00189	.00114	.00129
%RSD	339.47	57.440	17.954	72.835	246.55	151.64	523.78
#1	.00008	.00921	-.48392	-.00086	-.00101	.00153	.00068
#2	-.00010	.00443	-.67545	-.00025	-.00251	-.00056	-.00121
#3	-.00006	.00312	-.67201	-.00153	.00123	.00128	.00127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00224	-.00140	-.00018	-.00185	.00112	.00013	-.01611
SDev	.00081	.00159	.00080	.00064	.00049	.00053	.00360
%RSD	36.322	113.65	432.63	34.557	43.155	394.87	22.377
#1	.00280	-.00279	-.00093	-.00162	.00149	.00046	-.01258
#2	.00263	-.00173	-.00028	-.00258	.00058	-.00047	-.01595

#3	.00131	.00033	.00066	-.00136	.00130	.00042	-.01979
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00097	-.00005	.00032	.00434	.00006	-.00011	
SDev	.00230	.00014	.00068	.00261	.00062	.00007	
%RSD	237.86	277.12	216.24	60.199	1122.0	60.411	
#1	.00138	.00009	.00110	.00683	.00077	-.00003	
#2	-.00151	-.00020	-.00018	.00162	-.00039	-.00015	
#3	.00303	-.00005	.00003	.00457	-.00022	-.00014	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30138	--	--	--	--	--	--
SDev	144.2959	--	--	--	--	--	--
%RSD	.4787836	--	--	--	--	--	--
#1	30281	--	--	--	--	--	--
#2	30142	--	--	--	--	--	--
#3	29992	--	--	--	--	--	--

Method: METTRACE Sample Name: KKTXMCF Operator: RJG
Run Time: 04/09/08 16:02:16
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05047	2.0229	1.9890	.96240	1.9784	.04969	L-.00391
SDev	.00049	.0015	.0088	.00421	.0019	.00019	.00130
%RSD	.97740	.07512	.44244	.43750	.09581	.37506	33.255
#1	.05101	2.0223	1.9813	.95796	1.9762	.04950	L-.00500
#2	.05036	2.0217	1.9871	.96290	1.9794	.04970	L-.00426
#3	.05004	2.0246	1.9986	.96634	1.9796	.04987	L-.00247
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04993	.48486	.19971	.25418	1.0008	L.18149	L-.00000
SDev	.00021	.00208	.00075	.00010	.0036	.00046	.00193
%RSD	.41433	.42814	.37629	.03973	.35479	.25342	704590.
#1	.04971	.48292	.19970	.25411	.99961	L.18104	L.00193
#2	.04995	.48459	.19896	.25414	.99804	L.18196	L-.00193
#3	.05013	.48705	.20046	.25430	1.0048	L.18148	L.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49862	L.00061	L-.99576	.49415	.49494	.50219	.49978
SDev	.00171	.00035	.20603	.00327	.00334	.00301	.00307
%RSD	.34215	57.016	20.691	.66090	.67411	.59983	.61352
#1	.49716	L.00034	L-.91324	.49275	.49166	.50013	.49731
#2	.49820	L.00100	L-1.2303	.49181	.49485	.50079	.49881
#3	.50050	L.00049	L-.84379	.49788	.49833	.50565	.50321
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00131	-.00004	L-.00046	2.0331	2.0153	2.0212	L-.01474
SDev	.00134	.00137	.00136	.0157	.0137	.0139	.00200
%RSD	102.28	3754.3	295.19	.77270	.67996	.68926	13.605
#1	-.00279	-.00152	L-.00194	2.0153	2.0034	2.0073	L-.01585
#2	-.00015	.00119	L.00074	2.0389	2.0124	2.0212	L-.01242

#3	-.00101	.00023	L-.00018	2.0450	2.0303	2.0352	L-.01594
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L-.00096	1.0187	L-.00004	1.9387	.49265	.50331	
SDev	.00078	.0019	.00012	.0240	.00096	.00156	
%RSD	81.549	.18679	340.54	1.2376	.19467	.31100	
#1	L-.00150	1.0165	L-.00018	1.9140	.49213	.50190	
#2	L-.00006	1.0196	L.00003	1.9401	.49206	.50304	
#3	L-.00132	1.0200	L.00004	1.9619	.49376	.50499	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30326	--	--	--	--	--	--
SDev	76.89922	--	--	--	--	--	--
%RSD	.2535714	--	--	--	--	--	--
#1	30301	--	--	--	--	--	--
#2	30265	--	--	--	--	--	--
#3	30413	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHNF Operator: RJG
Run Time: 04/09/08 16:07:47
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00047	.03838	.00158	.04842	.11777	.00028	93.588
SDev	.00092	.00181	.00122	.00080	.00012	.00010	.115
%RSD	194.44	4.7201	77.316	1.6600	.09949	35.349	.12268
#1	-.00091	.04043	.00199	.04934	.11765	.00017	93.650
#2	-.00109	.03772	.00020	.04804	.11789	.00034	93.455
#3	.00058	.03699	.00253	.04788	.11777	.00034	93.658
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00026	-.00017	-.00125	-.03602	6.0732	35.764
SDev	.00008	.00046	.00062	.00050	.01446	.0204	.032
%RSD	265.44	176.38	374.82	39.762	40.134	.33631	.08858
#1	-.00002	.00027	-.00026	-.00122	-.02662	6.0512	35.781
#2	-.00001	-.00020	-.00073	-.00176	-.05267	6.0916	35.727
#3	.00012	.00071	.00050	-.00077	-.02878	6.0769	35.782
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46735	.00068	16.053	.00148	.00019	-.00047	-.00025
SDev	.00011	.00064	.026	.00089	.00169	.00117	.00022
%RSD	.02342	93.577	.16001	60.177	885.31	250.45	87.280
#1	.46746	.00070	16.029	.00157	-.00159	.00078	-.00001
#2	.46724	.00003	16.049	.00054	.00038	-.00064	-.00030
#3	.46735	.00130	16.080	.00231	.00179	-.00154	-.00043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00105	-.00134	-.00124	-.00083	.00097	.00037	5.3305
SDev	.00085	.00051	.00034	.00230	.00075	.00039	.0077
%RSD	80.182	38.069	27.579	277.40	77.080	105.04	.14476
#1	-.00009	-.00151	-.00103	-.00341	.00182	.00008	5.3333
#2	-.00164	-.00077	-.00106	.00099	.00074	.00082	5.3364

#3	-.00144	-.00174	-.00164	-.00006	.00037	.00023	5.3217
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00049	.43063	-.00084	.00479	.00345	.00357	
SDev	.00059	.00039	.00022	.00200	.00029	.00004	
%RSD	120.31	.09085	26.141	41.643	8.4158	1.0112	
#1	-.00006	.43024	-.00062	.00690	.00361	.00355	
#2	-.00025	.43102	-.00106	.00454	.00311	.00361	
#3	-.00117	.43065	-.00084	.00294	.00363	.00354	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29710	--	--	--	--	--	--
SDev	80.38961	--	--	--	--	--	--
%RSD	.2705819	--	--	--	--	--	--
#1	29801	--	--	--	--	--	--
#2	29678	--	--	--	--	--	--
#3	29650	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHNP5F Operator: RJG
Run Time: 04/09/08 16:13:17
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00034	.03202	.00007	.01171	.02312	.00031	18.676
SDev	.00029	.00398	.00066	.00051	.00017	.00003	.036
%RSD	85.391	12.417	914.69	4.3500	.73717	9.4879	.19045
#1	-.00064	.02779	-.00069	.01160	.02299	.00031	18.637
#2	-.00006	.03568	.00041	.01227	.02332	.00034	18.706
#3	-.00033	.03260	.00049	.01127	.02307	.00028	18.687

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	-.00020	-.00008	-.00211	-.02387	1.1824	7.0255
SDev	.00023	.00054	.00023	.00044	.01435	.0067	.0098
%RSD	107.74	264.43	284.15	20.948	60.122	.56371	.13946
#1	-.00048	-.00059	.00006	-.00255	-.03977	1.1750	7.0144
#2	-.00012	.00041	-.00035	-.00166	-.01187	1.1844	7.0326
#3	-.00005	-.00043	.00004	-.00213	-.01997	1.1879	7.0296

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09303	.00019	2.8718	.00024	.00467	-.00237	-.00003
SDev	.00011	.00042	.1882	.00086	.00307	.00179	.00056
%RSD	.12010	220.38	6.5536	362.22	65.622	75.533	2013.2
#1	.09290	.00061	2.6671	.00079	.00734	-.00439	-.00048
#2	.09309	-.00023	3.0374	.00068	.00536	-.00178	.00060
#3	.09309	.00020	2.9109	-.00075	.00132	-.00096	-.00020

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00383	.00127	-.00043	.00439	-.00154	.00044	1.0298
SDev	.00291	.00176	.00021	.00315	.00287	.00191	.0026
%RSD	75.886	138.24	49.069	71.714	186.79	437.94	.25257
#1	-.00694	.00318	-.00019	.00792	-.00324	.00048	1.0276
#2	-.00340	.00093	-.00051	.00184	-.00316	-.00150	1.0327
#3	-.00117	-.00029	-.00058	.00343	.00178	.00233	1.0292

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00085	.08509	-.00040	.00205	.00083	.00092
SDev	.00156	.00005	.00065	.00022	.00020	.00013
%RSD	183.83	.05967	162.13	10.928	23.798	13.727
#1	.00067	.08510	-.00104	.00203	.00060	.00086
#2	.00249	.08513	-.00040	.00229	.00094	.00107
#3	-.00061	.08504	.00025	.00184	.00094	.00084

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29906	--	--	--	--	--	--
SDev	94.36584	--	--	--	--	--	--
%RSD	.3155391	--	--	--	--	--	--
#1	29962	--	--	--	--	--	--
#2	29959	--	--	--	--	--	--
#3	29797	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHNSF Operator: RJG
Run Time: 04/09/08 16:18:48
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05197	2.0482	2.0300	1.0187	2.1105	.05081	94.179
SDev	.00090	.0026	.0050	.0018	.0012	.00008	.123
%RSD	1.7288	.12498	.24480	.17551	.05716	.15917	.13067
#1	.05245	2.0511	2.0245	1.0166	2.1117	.05073	94.040
#2	.05253	2.0467	2.0340	1.0194	2.1093	.05089	94.275
#3	.05094	2.0467	2.0316	1.0199	2.1105	.05080	94.221
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04952	.48464	.20173	.25395	.97785	6.0710	36.103
SDev	.00015	.00076	.00045	.00041	.00440	.0182	.042
%RSD	.31285	.15695	.22453	.16217	.44966	.30049	.11585
#1	.04945	.48436	.20173	.25435	.97330	6.0910	36.060
#2	.04970	.48550	.20218	.25353	.97816	6.0554	36.144
#3	.04941	.48406	.20128	.25396	.98208	6.0665	36.103
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97749	.00049	15.997	.49369	.49361	.49178	.49239
SDev	.00104	.00055	.107	.00212	.00299	.00189	.00094
%RSD	.10594	111.61	.67167	.43019	.60650	.38352	.19182
#1	.97653	.00052	16.050	.49318	.49667	.48973	.49204
#2	.97858	.00102	16.067	.49602	.49347	.49345	.49345
#3	.97735	-.00007	15.873	.49187	.49068	.49215	.49166
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00413	-.00005	-.00140	2.0521	2.0273	2.0356	5.3586
SDev	.00300	.00124	.00056	.0037	.0090	.0070	.0036
%RSD	72.767	2706.0	39.603	.18235	.44402	.34183	.06809
#1	-.00558	.00118	-.00107	2.0506	2.0180	2.0288	5.3548
#2	-.00612	-.00001	-.00205	2.0564	2.0359	2.0427	5.3621

#3	-.00067	-.00131	-.00110	2.0494	2.0281	2.0352	5.3587
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00133	1.4563	-.00068	1.9372	.50277	.50582	
SDev	.00086	.0005	.00025	.0184	.00024	.00034	
%RSD	64.823	.03534	36.592	.95233	.04738	.06650	
#1	.00230	1.4561	-.00083	1.9162	.50259	.50544	
#2	.00103	1.4559	-.00082	1.9447	.50304	.50593	
#3	.00066	1.4569	-.00039	1.9507	.50267	.50608	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30058	--	--	--	--	--	--
SDev	91.27576	--	--	--	--	--	--
%RSD	.3036642	--	--	--	--	--	--
#1	29967	--	--	--	--	--	--
#2	30058	--	--	--	--	--	--
#3	30149	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHNDF Operator: RJG
Run Time: 04/09/08 16:24:19
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05123	2.0465	2.0067	1.0158	2.1141	.05028	92.727
SDev	.00083	.0052	.0037	.0017	.0028	.00003	.227
%RSD	1.6261	.25277	.18494	.16436	.13099	.05517	.24508
#1	.05102	2.0457	2.0105	1.0154	2.1140	.05031	92.989
#2	.05215	2.0418	2.0066	1.0144	2.1114	.05025	92.606
#3	.05053	2.0520	2.0030	1.0176	2.1170	.05029	92.585
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04867	.47985	.19916	.25430	.96759	6.1217	35.568
SDev	.00025	.00056	.00056	.00015	.01177	.0197	.054
%RSD	.51313	.11702	.28038	.05858	1.2162	.32234	.15228
#1	.04891	.48049	.19940	.25446	.98041	6.1088	35.631
#2	.04869	.47956	.19956	.25417	.96507	6.1120	35.542
#3	.04842	.47949	.19852	.25428	.95728	6.1444	35.532
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96798	.00000	15.775	.48856	.48621	.49132	.48962
SDev	.00178	.00062	.117	.00077	.00375	.00390	.00197
%RSD	.18333	17845.	.74027	.15713	.77218	.79349	.40268
#1	.97003	-.00048	15.895	.48910	.48222	.49544	.49104
#2	.96694	.00071	15.769	.48768	.48967	.49085	.49046
#3	.96698	-.00022	15.662	.48891	.48674	.48768	.48737
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00176	-.00003	-.00061	2.0217	2.0128	2.0158	5.3233
SDev	.00227	.00204	.00082	.0053	.0072	.0042	.0065
%RSD	128.96	6771.7	135.84	.26167	.35889	.20641	.12238
#1	.00083	-.00221	-.00120	2.0156	2.0169	2.0165	5.3280
#2	-.00269	.00184	.00033	2.0245	2.0170	2.0195	5.3159

#3	-.00343	.00028	-.00096	2.0250	2.0045	2.0113	5.3261
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00037	1.4541	-.00134	1.9251	.49759	.50245	
SDev	.00038	.0022	.00025	.0060	.00067	.00066	
%RSD	103.69	.14800	18.601	.31043	.13407	.13161	
#1	-.00006	1.4544	-.00105	1.9185	.49745	.50298	
#2	-.00025	1.4518	-.00149	1.9267	.49832	.50171	
#3	-.00080	1.4561	-.00149	1.9301	.49701	.50266	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29712	--	--	--	--	--	--
SDev	27.17607	--	--	--	--	--	--
%RSD	.0914647	--	--	--	--	--	--
#1	29698	--	--	--	--	--	--
#2	29695	--	--	--	--	--	--
#3	29743	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHXF Operator: RJG
Run Time: 04/09/08 16:29:49
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00155	.03826	.00049	.05047	.09526	.00018	89.471
SDev	.00024	.00479	.00032	.00014	.00018	.00005	.210
%RSD	15.479	12.512	65.922	.27409	.18496	28.875	.23436
#1	-.00162	.03288	.00085	.05058	.09545	.00023	89.664
#2	-.00128	.03981	.00040	.05052	.09522	.00015	89.501
#3	-.00174	.04207	.00022	.05032	.09511	.00014	89.248
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00018	.00180	-.00094	-.00177	-.08581	5.9528	35.730
SDev	.00004	.00038	.00011	.00026	.00899	.0153	.093
%RSD	22.538	21.236	12.068	14.915	10.471	.25644	.25896
#1	-.00023	.00141	-.00082	-.00199	-.09493	5.9672	35.824
#2	-.00016	.00217	-.00095	-.00148	-.08553	5.9368	35.725
#3	-.00015	.00181	-.00104	-.00184	-.07697	5.9545	35.639
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	-.00009	15.925	-.00103	.00012	.00072	.00052
SDev	.00005	.00020	.013	.00034	.00337	.00315	.00147
%RSD	263.31	210.15	.07992	33.231	2746.0	438.28	282.03
#1	.00008	-.00032	15.911	-.00112	.00389	-.00252	-.00039
#2	-.00001	.00002	15.935	-.00065	-.00261	.00090	-.00027
#3	-.00001	.00002	15.929	-.00132	-.00091	.00378	.00222
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00118	-.00105	-.00109	-.00007	-.00030	-.00023	5.3128
SDev	.00388	.00115	.00071	.00666	.00142	.00140	.0146
%RSD	329.87	109.21	64.955	9466.5	467.53	619.55	.27431
#1	-.00563	.00006	-.00183	.00689	-.00139	.00137	5.3278
#2	.00141	-.00223	-.00102	-.00071	-.00083	-.00079	5.3118

#3	.00070	-.00098	-.00042	-.00639	.00130	-.00126	5.2987
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00066	.42303	-.00104	.00510	.00219	.00500	
SDev	.00079	.00118	.00021	.00291	.00092	.00010	
%RSD	119.31	.27853	20.331	56.992	42.120	1.9419	
#1	.00121	.42439	-.00125	.00845	.00173	.00491	
#2	.00103	.42233	-.00083	.00332	.00158	.00500	
#3	-.00024	.42236	-.00105	.00353	.00325	.00511	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30010	--	--	--	--	--	--
SDev	108.2565	--	--	--	--	--	--
%RSD	.3607362	--	--	--	--	--	--
#1	30125	--	--	--	--	--	--
#2	29994	--	--	--	--	--	--
#3	29911	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNR5B Operator: RJG
Run Time: 04/09/08 16:35:19
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00058	.03591	.00093	.00321	-.00012	.00035	.02483
SDev	.00088	.00303	.00039	.00107	.00015	.00005	.00499
%RSD	151.52	8.4388	41.604	33.291	120.14	13.044	20.108
#1	-.00068	.03490	.00131	.00360	-.00018	.00031	.02055
#2	.00034	.03932	.00054	.00404	.00004	.00040	.03031
#3	-.00140	.03352	.00092	.00200	-.00024	.00034	.02362
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00166	-.00010	-.00188	-.00547	.17414	.00194
SDev	.00013	.00049	.00046	.00042	.00555	.01244	.00513
%RSD	151.35	29.874	464.88	22.349	101.52	7.1436	264.10
#1	-.00003	.00143	-.00010	-.00216	-.00888	.16577	-.00000
#2	.00000	.00222	.00036	-.00139	.00094	.18844	.00776
#3	-.00024	.00132	-.00056	-.00208	-.00845	.16822	-.00193
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	-.00016	-.89927	.00193	.00202	-.00132	-.00020
SDev	.00011	.00073	.18589	.00127	.00105	.00072	.00028
%RSD	268.67	464.87	20.671	65.770	51.780	54.617	135.20
#1	-.00006	.00018	-.84521	.00174	.00310	-.00214	-.00040
#2	.00008	.00035	-.74641	.00328	.00197	-.00081	.00011
#3	-.00015	-.00099	-1.1062	.00076	.00101	-.00100	-.00033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00230	.00089	-.00017	.00328	.00041	.00137	-.00474
SDev	.00130	.00195	.00087	.00404	.00057	.00128	.00140
%RSD	56.559	220.17	503.94	123.06	137.66	93.463	29.458
#1	-.00307	.00218	.00043	.00793	.00015	.00274	-.00354
#2	-.00302	.00184	.00022	.00133	.00107	.00116	-.00442

#3	-.00080	-.00136	-.00117	.00059	.00002	.00021	-.00627
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00169	.00003	-.00004	.00189	.00000	.00576	
SDev	.00086	.00014	.00033	.00050	.00069	.00006	
%RSD	50.957	447.43	879.06	26.608	46419.	.95961	
#1	.00102	.00001	-.00039	.00237	-.00022	.00570	
#2	.00266	.00018	.00025	.00137	.00077	.00579	
#3	.00138	-.00009	.00003	.00193	-.00055	.00579	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30203	--	--	--	--	--	--
SDev	99.44807	--	--	--	--	--	--
%RSD	.3292674	--	--	--	--	--	--
#1	30178	--	--	--	--	--	--
#2	30118	--	--	--	--	--	--
#3	30312	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNR5C Operator: RJG
Run Time: 04/09/08 16:40:49
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05004	2.0333	1.9939	.96940	1.9975	.05063	L.02105
SDev	.00038	.0055	.0078	.00272	.0024	.00020	.00142
%RSD	.76092	.27127	.38989	.28057	.12014	.38761	6.7598
#1	.04962	2.0270	1.9890	.96677	1.9955	.05047	L.01959
#2	.05012	2.0356	1.9899	.96924	1.9970	.05057	L.02243
#3	.05037	2.0373	2.0029	.97220	2.0002	.05085	L.02114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04987	.48587	.20035	.25684	1.0020	L.16050	L-.00225
SDev	.00025	.00248	.00068	.00044	.0098	.00758	.00243
%RSD	.50577	.51052	.34204	.17210	.98264	4.7204	107.97
#1	.04962	.48305	.19963	.25653	.99095	L.15698	L-.00483
#2	.04987	.48683	.20042	.25664	1.0099	L.16920	L-.00194
#3	.05012	.48772	.20099	.25735	1.0050	L.15533	L.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50136	L-.00019	L-.99330	.49686	.49563	.49541	.49548
SDev	.00156	.00045	.11057	.00247	.00164	.00132	.00133
%RSD	.31118	233.73	11.132	.49633	.33159	.26630	.26826
#1	.49963	L-.00049	L-.86783	.49449	.49389	.49398	.49395
#2	.50179	L-.00041	L-1.0355	.49668	.49585	.49658	.49634
#3	.50266	L.00032	L-1.0765	.49941	.49716	.49566	.49616
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	-.00058	L-.00051	2.0427	2.0256	2.0313	L-.00322
SDev	.00102	.00089	.00076	.0143	.0061	.0088	.00397
%RSD	285.00	152.95	150.16	.69966	.30304	.43542	123.15
#1	-.00059	-.00161	L-.00127	2.0264	2.0188	2.0213	L-.00770
#2	.00076	.00001	L.00026	2.0483	2.0275	2.0344	L-.00018

#3	-.00125	-.00015	L-.00051	2.0532	2.0307	2.0382	L-.00178
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L.00083	1.0300	L.00003	1.9484	.49294	.50536	
SDev	.00078	.0021	.00056	.0210	.00177	.00136	
%RSD	93.255	.20585	1626.1	1.0786	.35960	.27015	
#1	L.00030	1.0282	L-.00060	1.9251	.49119	.50409	
#2	L.00048	1.0295	L.00046	1.9539	.49289	.50520	
#3	L.00173	1.0324	L.00025	1.9661	.49474	.50681	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30339	--	--	--	--	--	--
SDev	126.7203	--	--	--	--	--	--
%RSD	.4176847	--	--	--	--	--	--
#1	30288	--	--	--	--	--	--
#2	30245	--	--	--	--	--	--
#3	30483	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLW2 Operator: RJG
Run Time: 04/09/08 16:46:20
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00140	.11415	-.00033	.05567	.02949	.00018	124.85
SDev	.00166	.00241	.00159	.00127	.00012	.00002	.86
%RSD	118.54	2.1137	477.85	2.2734	.42131	10.936	.68807
#1	-.00049	.11622	.00056	.05712	.02956	.00019	125.66
#2	-.00331	.11471	-.00217	.05482	.02935	.00020	124.95
#3	-.00039	.11150	.00061	.05505	.02956	.00016	123.95
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	.00081	-.00026	-.00140	-.01169	2.6085	39.608
SDev	.00013	.00058	.00092	.00054	.01248	.0105	.258
%RSD	65.784	71.367	346.44	38.585	106.78	.40136	.65145
#1	-.00007	.00100	.00015	-.00105	.00268	2.6206	39.873
#2	-.00034	.00016	-.00131	-.00202	-.01790	2.6022	39.593
#3	-.00021	.00128	.00037	-.00113	-.01985	2.6027	39.358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08270	-.00004	25.622	.00145	-.00307	.00135	-.00013
SDev	.00040	.00084	.042	.00113	.00632	.00233	.00057
%RSD	.48387	2337.4	.16211	77.507	205.56	172.92	458.87
#1	.08316	.00027	25.670	.00196	-.00154	.00055	-.00015
#2	.08255	-.00099	25.599	.00016	-.01001	.00397	-.00069
#3	.08241	.00061	25.598	.00224	.00234	-.00048	.00046
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00195	-.00106	-.00005	-.00044	.00285	.00175	3.9197
SDev	.00500	.00398	.00100	.00579	.00334	.00041	.0133
%RSD	256.08	376.97	1854.7	1325.9	117.40	23.575	.34000
#1	.00084	.00017	.00039	.00052	.00282	.00206	3.9319
#2	.00742	-.00551	-.00120	-.00665	.00620	.00192	3.9216

#3	-.00240	.00217	.00065	.00482	-.00048	.00128	3.9055
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00097	.51912	.00082	.00671	.00204	.00547	
SDev	.00131	.00213	.00012	.00177	.00034	.00009	
%RSD	135.33	.41055	14.863	26.428	16.825	1.7236	
#1	-.00133	.52077	.00089	.00858	.00243	.00557	
#2	-.00206	.51987	.00089	.00650	.00192	.00539	
#3	.00049	.51671	.00068	.00505	.00177	.00546	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30003	--	--	--	--	--	--
SDev	135.3656	--	--	--	--	--	--
%RSD	.4511737	--	--	--	--	--	--
#1	30041	--	--	--	--	--	--
#2	30115	--	--	--	--	--	--
#3	29853	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLW5 (6010B) Operator: RJG
Run Time: 04/09/08 16:51:50
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00090	.12517	.00040	.05593	.03102	.00033	129.81
SDev	.00053	.00215	.00109	.00055	.00012	.00009	.57
%RSD	59.321	1.7206	272.27	.98754	.39033	27.507	.43666
#1	-.00075	.12543	-.00039	.05640	.03110	.00024	129.43
#2	-.00149	.12718	-.00005	.05606	.03088	.00033	129.53
#3	-.00046	.12289	.00165	.05532	.03107	.00043	130.46
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	-.00011	.00023	-.00154	.00021	2.7120	41.225
SDev	.00005	.00025	.00019	.00011	.00814	.0038	.160
%RSD	67.696	227.71	80.667	6.8947	3816.7	.13997	.38881
#1	-.00002	-.00037	.00042	-.00166	.00884	2.7125	41.119
#2	-.00008	-.00010	.00023	-.00146	-.00086	2.7155	41.147
#3	-.00012	.00013	.00005	-.00150	-.00733	2.7080	41.410
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08912	.00061	26.559	.00145	.00147	-.00067	.00004
SDev	.00021	.00052	.050	.00025	.00068	.00164	.00089
%RSD	.23942	86.335	.18917	17.109	46.384	246.70	2007.2
#1	.08899	.00116	26.613	.00119	.00094	.00101	.00099
#2	.08901	.00055	26.514	.00149	.00122	-.00073	-.00008
#3	.08937	.00012	26.550	.00168	.00223	-.00227	-.00077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00106	-.00103	-.00104	.00180	-.00030	.00040	4.0824
SDev	.00191	.00066	.00074	.00191	.00149	.00080	.0095
%RSD	180.26	64.254	71.227	105.97	489.41	202.94	.23275
#1	.00115	-.00108	-.00034	.00077	.00140	.00119	4.0734
#2	-.00213	-.00165	-.00181	.00062	-.00093	-.00042	4.0815

#3	-.00219	-.00034	-.00096	.00400	-.00138	.00041	4.0924
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00061	.54321	.00671	.00131	.00168	.00895	
SDev	.00049	.00080	.00009	.00072	.00082	.00009	
%RSD	79.175	.14707	1.4048	55.191	48.488	.97813	
#1	-.00006	.54234	.00660	.00205	.00130	.00898	
#2	-.00080	.54337	.00678	.00061	.00112	.00885	
#3	-.00098	.54391	.00675	.00128	.00262	.00902	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29569	--	--	--	--	--	--
SDev	166.7643	--	--	--	--	--	--
%RSD	.5639853	--	--	--	--	--	--
#1	29394	--	--	--	--	--	--
#2	29586	--	--	--	--	--	--
#3	29726	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-9 Operator: RJG
Run Time: 04/09/08 16:57:21
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0161	24.660	.51007	1.9841	2.0152	2.0423	49.772
SDev	.0004	.057	.00201	.0018	.0034	.0049	.133
%RSD	.04407	.23167	.39393	.09280	.16723	.24199	.26702
#1	1.0160	24.726	.51169	1.9822	2.0183	2.0447	49.873
#2	1.0165	24.630	.50782	1.9859	2.0156	2.0456	49.820
#3	1.0156	24.624	.51069	1.9843	2.0116	2.0367	49.621
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49820	1.9560	2.0002	2.0517	25.203	124.78	50.771
SDev	.00102	.0050	.0047	.0024	.066	.21	.119
%RSD	.20403	.25731	.23590	.11743	.26077	.16805	.23439
#1	.49888	1.9604	2.0031	2.0543	25.250	124.94	50.861
#2	.49869	1.9571	2.0026	2.0496	25.231	124.54	50.817
#3	.49704	1.9505	1.9947	2.0511	25.128	124.86	50.636
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0076	2.0155	124.71	1.9715	.49136	.49743	.49541
SDev	.0043	.0073	.22	.0062	.00259	.00308	.00206
%RSD	.21490	.36358	.17588	.31264	.52629	.61889	.41590
#1	2.0110	2.0070	124.91	1.9759	.49166	.50082	.49777
#2	2.0091	2.0192	124.48	1.9742	.49379	.49481	.49447
#3	2.0028	2.0202	124.74	1.9645	.48864	.49666	.49399
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51876	.52108	.52031	.51191	.51493	.51393	1.9506
SDev	.00203	.00235	.00147	.00151	.00072	.00066	.0050
%RSD	.39074	.45198	.28319	.29410	.13900	.12772	.25626
#1	.52103	.52080	.52087	.51336	.51532	.51467	1.9564
#2	.51711	.52356	.52142	.51201	.51411	.51341	1.9476

#3	.51815	.51888	.51864	.51036	.51538	.51371	1.9480
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	2.0055	2.0672	2.0400	.99054	2.0071	1.9970	
SDev	.0031	.0028	.0035	.00274	.0043	.0037	
%RSD	.15425	.13328	.17000	.27620	.21461	.18324	
#1	2.0071	2.0690	2.0425	.98746	2.0091	2.0000	
#2	2.0075	2.0687	2.0414	.99271	2.0101	1.9981	
#3	2.0020	2.0641	2.0360	.99144	2.0021	1.9930	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29448	--	--	--	--	--	--
SDev	30.39502	--	--	--	--	--	--
%RSD	.1032175	--	--	--	--	--	--
#1	29483	--	--	--	--	--	--
#2	29433	--	--	--	--	--	--
#3	29427	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB9 Operator: RJG
Run Time: 04/09/08 17:02:51
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00103	.03462	-.00018	.00713	-.00027	.00040	-.00979
SDev	.00100	.00322	.00066	.00164	.00004	.00005	.00227
%RSD	97.182	9.3055	371.93	22.949	15.102	12.581	23.229
#1	.00008	.03331	.00034	.00901	-.00022	.00034	-.01131
#2	-.00132	.03829	.00005	.00641	-.00030	.00041	-.00718
#3	-.00185	.03226	-.00092	.00599	-.00027	.00044	-.01090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.00075	-.00028	-.00259	-.01602	.20391	-.00195
SDev	.00010	.00024	.00040	.00023	.00414	.00928	.00423
%RSD	83.010	32.031	143.36	8.9851	25.836	4.5511	217.03
#1	-.00001	.00080	.00016	-.00240	-.01389	.21001	.00097
#2	-.00016	.00097	-.00038	-.00252	-.02079	.20849	-.00001
#3	-.00021	.00049	-.00062	-.00285	-.01338	.19323	-.00680
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	.00549	-.69216	-.00082	.00260	-.00109	.00014
SDev	.00010	.00326	.05756	.00092	.00297	.00159	.00039
%RSD	233.55	59.407	8.3154	112.26	113.90	145.31	281.82
#1	.00004	.00916	-.69739	.00012	.00588	-.00292	.00001
#2	-.00001	.00438	-.63217	-.00086	.00184	-.00005	.00058
#3	-.00015	.00293	-.74692	-.00173	.00009	-.00031	-.00017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00156	.00019	-.00039	.00034	-.00148	-.00087	-.01835
SDev	.00162	.00201	.00081	.00275	.00103	.00035	.00442
%RSD	103.68	1067.0	204.96	811.47	69.449	40.586	24.115
#1	-.00328	.00224	.00040	.00250	-.00253	-.00085	-.01328
#2	-.00132	.00009	-.00038	.00127	-.00143	-.00053	-.02032

#3	-.00008	-.00177	-.00121	-.00276	-.00048	-.00124	-.02144
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00097	-.00011	-.00018	.00473	.00000	-.00018	
SDev	.00104	.00012	.00021	.00216	.00085	.00006	
%RSD	107.04	103.41	117.33	45.637	495000.	33.244	
#1	.00212	.00001	.00003	.00699	.00094	-.00012	
#2	.00012	-.00013	-.00018	.00449	-.00022	-.00020	
#3	.00066	-.00022	-.00039	.00270	-.00072	-.00023	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30014	--	--	--	--	--	--
SDev	104.8160	--	--	--	--	--	--
%RSD	.3492231	--	--	--	--	--	--
#1	29950	--	--	--	--	--	--
#2	29957	--	--	--	--	--	--
#3	30135	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLWJ Operator: RJG
Run Time: 04/09/08 17:08:23
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00100	.40631	-.00022	.24225	.02111	.00019	71.260
SDev	.00037	.00645	.00055	.00245	.00016	.00011	.256
%RSD	37.286	1.5875	253.41	1.0122	.75419	57.068	.35875
#1	-.00129	.40264	-.00019	.24057	.02106	.00032	71.003
#2	-.00058	.41376	.00032	.24506	.02128	.00016	71.514
#3	-.00111	.40254	-.00078	.24111	.02098	.00011	71.261
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00096	.23507	.00359	.81634	2.3721	21.470
SDev	.00007	.00095	.00075	.00058	.01124	.0171	.080
%RSD	47.675	98.702	.32070	16.043	1.3763	.71914	.37161
#1	-.00024	-.00012	.23422	.00310	.80719	2.3769	21.392
#2	-.00014	.00164	.23566	.00422	.82888	2.3862	21.551
#3	-.00009	.00137	.23533	.00344	.81296	2.3531	21.466
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07085	.00304	104.73	.00051	.00146	-.00012	.00040
SDev	.00024	.00050	.55	.00033	.00367	.00070	.00077
%RSD	.34455	16.299	.52519	64.371	252.08	567.35	192.26
#1	.07061	.00358	104.30	.00018	.00289	-.00022	.00082
#2	.07109	.00296	105.35	.00084	-.00272	.00062	-.00049
#3	.07084	.00260	104.53	.00052	.00420	-.00078	.00088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00153	.00092	.00010	.00174	-.00054	.00022	4.5431
SDev	.00220	.00198	.00060	.00182	.00312	.00242	.0215
%RSD	144.36	215.92	581.35	104.53	574.59	1112.2	.47248
#1	-.00131	.00043	-.00015	-.00018	-.00333	-.00228	4.5198
#2	.00056	-.00078	-.00033	.00195	.00283	.00254	4.5621

#3	-.00383	.00309	.00079	.00345	-.00114	.00039	4.5474
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.28871	.14508	.00018	.00059	.00105	.03119	
SDev	.00069	.00041	.00033	.00120	.00117	.00015	
%RSD	.23787	.28308	185.76	202.66	111.49	.47740	
#1	.28802	.14469	.00025	-.00069	.00000	.03102	
#2	.28939	.14551	.00046	.00169	.00084	.03130	
#3	.28873	.14503	-.00018	.00077	.00231	.03125	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29921	--	--	--	--	--	--
SDev	190.9084	--	--	--	--	--	--
%RSD	.6380494	--	--	--	--	--	--
#1	29721	--	--	--	--	--	--
#2	29939	--	--	--	--	--	--
#3	30102	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLWJP5 Operator: RJG
Run Time: 04/09/08 17:13:53
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00100	.11839	-.00035	.04827	.00407	.00032	13.980
SDev	.00051	.00432	.00097	.00022	.00012	.00001	.011
%RSD	50.917	3.6501	274.01	.44714	3.0123	2.3740	.07925
#1	-.00145	.11620	-.00038	.04848	.00396	.00032	13.978
#2	-.00045	.12336	.00063	.04827	.00420	.00031	13.992
#3	-.00109	.11559	-.00132	.04805	.00404	.00032	13.970

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.00064	.04603	-.00116	.15667	.56769	4.1732
SDev	.00022	.00067	.00034	.00041	.00800	.00640	.0046
%RSD	418.90	105.18	.74312	35.467	5.1053	1.1275	.11130
#1	-.00010	-.00008	.04566	-.00119	.15403	.56085	4.1689
#2	.00019	.00126	.04633	-.00073	.16565	.57353	4.1781
#3	-.00024	.00075	.04611	-.00156	.15032	.56868	4.1725

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01384	.00075	20.510	.00011	.00407	-.00078	.00083
SDev	.00003	.00071	.147	.00132	.00186	.00131	.00028
%RSD	.17739	94.252	.71647	1250.4	45.694	168.30	33.532
#1	.01382	-.00007	20.535	-.00127	.00378	-.00080	.00073
#2	.01383	.00120	20.643	.00136	.00238	.00054	.00115
#3	.01387	.00112	20.352	.00023	.00606	-.00209	.00063

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00184	.00059	-.00022	.00173	-.00112	-.00017	.86253
SDev	.00283	.00111	.00040	.00230	.00048	.00055	.00084
%RSD	154.17	187.83	187.34	132.61	42.725	319.11	.09675
#1	-.00179	.00005	-.00056	.00078	-.00129	-.00060	.86238
#2	.00097	-.00014	.00023	.00006	-.00058	-.00037	.86342
#3	-.00469	.00187	-.00031	.00435	-.00150	.00045	.86178

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05515	.02825	-.00069	.00278	-.00018	.00637
SDev	.00140	.00002	.00025	.00008	.00000	.00018
%RSD	2.5449	.05704	36.202	2.9603	1.2360	2.7990
#1	.05454	.02824	-.00083	.00279	-.00018	.00626
#2	.05676	.02826	-.00040	.00270	-.00017	.00627
#3	.05416	.02824	-.00083	.00286	-.00018	.00657

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29882	--	--	--	--	--	--
SDev	97.46999	--	--	--	--	--	--
%RSD	.3261826	--	--	--	--	--	--
#1	29985	--	--	--	--	--	--
#2	29870	--	--	--	--	--	--
#3	29791	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLWJS Operator: RJG
Run Time: 04/09/08 17:19:24
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05190	2.4732	2.0867	1.2465	2.0825	.05254	71.603
SDev	.00056	.0076	.0034	.0007	.0010	.00012	.177
%RSD	1.0718	.30583	.16481	.05236	.04637	.21872	.24789
#1	.05191	2.4807	2.0907	1.2460	2.0825	.05265	71.756
#2	.05245	2.4733	2.0848	1.2463	2.0815	.05253	71.644
#3	.05134	2.4656	2.0846	1.2472	2.0834	.05242	71.409
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05059	.50181	.45421	.27355	1.9256	2.3737	21.586
SDev	.00058	.00130	.00173	.00015	.0127	.0059	.059
%RSD	1.1485	.25987	.38102	.05574	.65788	.24757	.27425
#1	.05113	.50302	.45586	.27361	1.9401	2.3724	21.635
#2	.05065	.50199	.45435	.27366	1.9169	2.3802	21.601
#3	.04998	.50043	.45241	.27338	1.9197	2.3686	21.520
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.59293	.00176	105.41	.51156	.49942	.50494	.50310
SDev	.00109	.00068	.21	.00153	.00332	.00187	.00233
%RSD	.18422	38.576	.20389	.29884	.66528	.37050	.46379
#1	.59395	.00188	105.52	.51314	.50078	.50515	.50370
#2	.59306	.00238	105.55	.51147	.50184	.50670	.50508
#3	.59177	.00104	105.16	.51008	.49563	.50297	.50053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00096	-.00089	-.00028	2.1100	2.0998	2.1032	4.6258
SDev	.00209	.00070	.00078	.0069	.0075	.0055	.0048
%RSD	218.08	77.832	281.03	.32820	.35780	.26057	.10438
#1	.00194	-.00021	.00050	2.1159	2.0938	2.1011	4.6287
#2	-.00144	-.00086	-.00106	2.1117	2.1082	2.1094	4.6285

#3	.00237	-.00160	-.00028	2.1023	2.0973	2.0990	4.6203
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.33063	1.2044	.00054	1.9890	.51238	.54367	
SDev	.00437	.0014	.00013	.0086	.00246	.00114	
%RSD	1.3205	.11763	23.294	.43101	.47940	.21012	
#1	.33372	1.2055	.00068	1.9795	.51468	.54491	
#2	.33254	1.2028	.00046	1.9961	.51266	.54343	
#3	.32564	1.2049	.00046	1.9913	.50979	.54266	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29835	--	--	--	--	--	--
SDev	6.094764	--	--	--	--	--	--
%RSD	.0204279	--	--	--	--	--	--
#1	29837	--	--	--	--	--	--
#2	29829	--	--	--	--	--	--
#3	29841	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLWJD Operator: RJG
Run Time: 04/09/08 17:24:55
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05243	2.4404	2.0605	1.2370	2.0572	.05187	71.010
SDev	.00028	.0058	.0078	.0035	.0009	.00014	.186
%RSD	.54374	.23913	.37859	.28667	.04258	.25950	.26235
#1	.05242	2.4343	2.0534	1.2331	2.0581	.05177	70.826
#2	.05272	2.4459	2.0688	1.2401	2.0572	.05202	71.198
#3	.05215	2.4409	2.0593	1.2378	2.0563	.05181	71.006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05000	.49387	.44305	.27031	1.8713	2.3514	21.441
SDev	.00003	.00163	.00090	.00035	.0145	.0087	.049
%RSD	.07014	.32941	.20290	.12869	.77589	.37136	.22774
#1	.04998	.49242	.44224	.27055	1.8546	2.3602	21.402
#2	.05004	.49563	.44401	.27048	1.8791	2.3513	21.496
#3	.04998	.49356	.44289	.26991	1.8803	2.3427	21.424
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.58622	.00225	104.80	.50640	.49999	.49646	.49763
SDev	.00105	.00119	.28	.00062	.00336	.00796	.00500
%RSD	.17912	53.162	.26810	.12275	.67178	1.6027	1.0055
#1	.58527	.00298	104.98	.50599	.50294	.48834	.49320
#2	.58735	.00289	104.94	.50712	.50069	.50424	.50306
#3	.58604	.00087	104.47	.50610	.49633	.49680	.49665
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00355	.00280	.00069	2.0965	2.0796	2.0852	4.5826
SDev	.00429	.00105	.00101	.0061	.0077	.0065	.0105
%RSD	120.80	37.362	146.85	.29325	.36995	.31253	.22883
#1	-.00850	.00369	-.00037	2.0906	2.0713	2.0778	4.5733
#2	-.00124	.00307	.00164	2.1029	2.0808	2.0882	4.5940

#3	-.00091	.00165	.00079	2.0961	2.0866	2.0897	4.5805
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.29312	1.1900	.00025	1.9635	.50760	.53673	
SDev	.00149	.0010	.00022	.0184	.00184	.00230	
%RSD	.50804	.08274	87.481	.93929	.36150	.42877	
#1	.29258	1.1890	.00003	1.9430	.50730	.53489	
#2	.29481	1.1910	.00025	1.9786	.50956	.53931	
#3	.29198	1.1898	.00046	1.9689	.50593	.53599	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29806	--	--	--	--	--	--
SDev	22.39562	--	--	--	--	--	--
%RSD	.0751384	--	--	--	--	--	--
#1	29780	--	--	--	--	--	--
#2	29814	--	--	--	--	--	--
#3	29823	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNTNB Operator: RJG
Run Time: 04/09/08 17:30:25
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00079	.03852	.00089	.00549	-.00013	.00039	.00438
SDev	.00067	.00246	.00023	.00068	.00008	.00001	.00134
%RSD	84.674	6.3924	25.829	12.375	61.411	3.2530	30.489
#1	-.00131	.03613	.00081	.00627	-.00017	.00040	.00348
#2	-.00104	.03838	.00115	.00516	-.00018	.00039	.00375
#3	-.00003	.04105	.00072	.00503	-.00004	.00038	.00591
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00018	.00117	-.00079	-.00214	-.00639	.17232	-.00320
SDev	.00011	.00111	.00027	.00050	.00467	.00834	.00388
%RSD	58.676	94.408	34.398	23.441	73.111	4.8374	121.25
#1	-.00024	.00075	-.00104	-.00249	-.01060	.16715	-.00671
#2	-.00024	.00034	-.00082	-.00235	-.00722	.16787	-.00385
#3	-.00006	.00243	-.00050	-.00156	-.00136	.18193	.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	-.00071	-.88340	-.00128	-.00082	.00139	.00066
SDev	.00007	.00069	.19789	.00085	.00158	.00158	.00056
%RSD	32.956	96.422	22.400	66.253	192.67	113.41	86.129
#1	-.00028	-.00149	-.66402	-.00177	-.00265	.00314	.00122
#2	-.00019	-.00050	-1.0484	-.00177	.00008	.00096	.00066
#3	-.00015	-.00016	-.93776	-.00030	.00011	.00008	.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00091	-.00155	-.00134	.00446	-.00129	.00062	-.01749
SDev	.00187	.00110	.00028	.00102	.00164	.00119	.00325
%RSD	205.36	71.058	21.216	22.765	126.60	191.20	18.579
#1	.00125	-.00273	-.00141	.00553	-.00028	.00165	-.01754
#2	-.00203	-.00135	-.00158	.00434	-.00318	-.00068	-.02071

#3	-.00195	-.00056	-.00102	.00351	-.00041	.00089	-.01421
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00036	-.00010	-.00011	.00925	-.00087	.00383	
SDev	.00119	.00007	.00012	.00241	.00142	.00013	
%RSD	331.77	65.448	115.89	26.023	163.38	3.2683	
#1	-.00167	-.00018	.00004	H.01202	-.00250	.00379	
#2	.00066	-.00007	-.00018	.00768	-.00022	.00372	
#3	-.00006	-.00005	-.00018	.00805	.00011	.00396	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30387	--	--	--	--	--	--
SDev	101.6967	--	--	--	--	--	--
%RSD	.3346703	--	--	--	--	--	--
#1	30500	--	--	--	--	--	--
#2	30360	--	--	--	--	--	--
#3	30301	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNTNC Operator: RJG
Run Time: 04/09/08 17:35:56
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04956	2.0040	1.9833	.95715	1.9632	.04908	L.00999
SDev	.00053	.0120	.0121	.00447	.0090	.00028	.00087
%RSD	1.0771	.59848	.60951	.46694	.45884	.57109	8.6665
#1	.04913	2.0161	1.9950	.95922	1.9728	.04924	L.00985
#2	.04940	1.9921	1.9708	.95202	1.9550	.04876	L.00920
#3	.05016	2.0039	1.9841	.96020	1.9619	.04925	L.01092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04914	.48014	.19733	.25035	.98640	L.17236	L.00065
SDev	.00052	.00271	.00128	.00111	.01465	.00802	.00279
%RSD	1.0564	.56537	.64908	.44389	1.4853	4.6519	429.73
#1	.04956	.48142	.19798	.25161	.99125	L.16852	L-.00096
#2	.04856	.47702	.19586	.24951	.96994	L.16699	L-.00096
#3	.04931	.48198	.19816	.24994	.99802	L.18158	L.00387
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49370	L-.00019	L-1.1074	.49068	.49025	.49639	.49434
SDev	.00267	.00024	.0884	.00203	.00085	.00679	.00458
%RSD	.54031	128.45	7.9842	.41312	.17263	1.3679	.92723
#1	.49607	L-.00033	L-1.1145	.49118	.48987	.50303	.49865
#2	.49081	L-.00033	L-1.1921	.48845	.48965	.48946	.48953
#3	.49422	L.00009	L-1.0157	.49241	.49122	.49666	.49485
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00171	-.00128	L-.00143	2.0431	2.0335	2.0367	L-.01534
SDev	.00289	.00058	.00060	.0054	.0127	.0100	.00390
%RSD	168.45	45.417	42.331	.26583	.62450	.49066	25.454
#1	.00088	-.00191	L-.00098	2.0455	2.0460	2.0458	L-.01202
#2	-.00483	-.00076	L-.00211	2.0368	2.0206	2.0260	L-.01964

#3	-.00119	-.00118	L-.00118	2.0469	2.0339	2.0382	L-.01435
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L.00006	1.0155	L.00018	1.9350	.48502	.50041	
SDev	.00021	.0046	.00012	.0119	.00401	.00228	
%RSD	361.33	.45276	69.431	.61405	.82618	.45461	
#1	L-.00006	1.0204	L.00025	1.9265	.48786	.50158	
#2	L.00030	1.0114	L.00003	1.9300	.48043	.49779	
#3	L-.00006	1.0147	L.00025	1.9486	.48676	.50186	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30309	--	--	--	--	--	--
SDev	97.12934	--	--	--	--	--	--
%RSD	.3204637	--	--	--	--	--	--
#1	30373	--	--	--	--	--	--
#2	30357	--	--	--	--	--	--
#3	30197	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLW5 (200.7) Operator: RJG
Run Time: 04/09/08 17:41:27
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00080	.06734	.00135	.05605	.02912	.00018	123.93
SDev	.00082	.00331	.00051	.00026	.00018	.00003	.22
%RSD	102.20	4.9227	38.058	.46717	.62846	19.529	.17589
#1	-.00163	.06538	.00190	.05588	.02890	.00016	124.08
#2	-.00078	.06548	.00088	.05593	.02922	.00022	123.68
#3	.00001	.07117	.00127	.05635	.02923	.00016	124.04
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.00006	-.00021	-.00143	-.08726	2.7980	39.604
SDev	.00028	.00083	.00049	.00052	.01403	.0128	.052
%RSD	208.67	1330.1	235.77	36.160	16.076	.45902	.13102
#1	-.00034	-.00028	-.00062	-.00179	-.09710	2.7890	39.632
#2	-.00024	-.00054	-.00035	-.00168	-.09348	2.7924	39.545
#3	.00018	.00101	.00034	-.00084	-.07120	2.8127	39.636
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07509	.00017	25.577	.00212	-.00027	.00018	.00003
SDev	.00009	.00064	.178	.00028	.00238	.00183	.00049
%RSD	.12142	379.81	.69782	13.302	873.72	1028.6	1727.1
#1	.07519	-.00057	25.671	.00238	.00055	.00002	.00020
#2	.07502	.00044	25.371	.00182	.00158	-.00157	-.00052
#3	.07505	.00063	25.689	.00216	-.00295	.00208	.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00026	-.00069	-.00038	.00278	-.00024	.00077	3.8915
SDev	.00301	.00114	.00089	.00228	.00112	.00082	.0092
%RSD	1179.2	165.42	236.88	81.948	466.49	107.20	.23686
#1	.00050	.00039	.00043	.00495	.00000	.00165	3.8985
#2	-.00287	-.00057	-.00134	.00299	-.00146	.00002	3.8949

#3	.00313	-.00189	-.00022	.00041	.00074	.00063	3.8811
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00109	.51832	.00522	.00710	.00170	.01192	
SDev	.00177	.00235	.00040	.00285	.00067	.00008	
%RSD	161.72	.45315	7.7116	40.163	39.459	.69959	
#1	.00304	.51941	.00498	.00912	.00108	.01191	
#2	-.00043	.51992	.00499	.00384	.00242	.01185	
#3	.00067	.51562	.00569	.00834	.00161	.01201	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29801	--	--	--	--	--	--
SDev	163.7320	--	--	--	--	--	--
%RSD	.5494241	--	--	--	--	--	--
#1	29923	--	--	--	--	--	--
#2	29865	--	--	--	--	--	--
#3	29615	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLWW Operator: RJG
Run Time: 04/09/08 17:46:58
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00087	.38918	.00002	.03020	.04115	.00043	23.748
SDev	.00055	.00146	.00064	.00033	.00008	.00011	.086
%RSD	63.143	.37457	2728.7	1.0806	.19153	24.580	.36104
#1	-.00103	.38819	.00066	.03037	.04124	.00055	23.655
#2	-.00026	.38849	-.00063	.03040	.04110	.00036	23.764
#3	-.00133	.39085	.00003	.02982	.04111	.00037	23.824
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	.00175	-.00005	-.00042	.65307	1.7016	6.6195
SDev	.00005	.00026	.00009	.00018	.00514	.0057	.0256
%RSD	31.110	14.768	183.96	41.873	.78770	.33701	.38696
#1	-.00022	.00176	-.00000	-.00048	.64784	1.6981	6.5903
#2	-.00018	.00201	.00001	-.00022	.65812	1.7082	6.6295
#3	-.00011	.00149	-.00015	-.00056	.65327	1.6984	6.6385
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19643	.00042	16.816	.00508	.00282	.00089	.00153
SDev	.00051	.00088	.138	.00118	.00266	.00063	.00072
%RSD	.25692	211.01	.82143	23.217	94.461	70.898	46.777
#1	.19588	-.00024	16.876	.00417	.00262	.00150	.00187
#2	.19653	.00142	16.913	.00641	.00558	.00024	.00202
#3	.19687	.00008	16.657	.00465	.00026	.00093	.00071
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00394	-.00061	-.00172	.00466	-.00227	.00004	2.5411
SDev	.00292	.00178	.00027	.00279	.00258	.00080	.0093
%RSD	73.970	291.86	15.796	59.962	113.39	2277.6	.36527
#1	-.00293	-.00092	-.00159	.00416	-.00212	-.00003	2.5308
#2	-.00723	.00130	-.00154	.00766	-.00492	-.00073	2.5437

#3	-.00167	-.00221	-.00203	.00214	.00022	.00086	2.5488
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00030	.12916	.00202	.00465	.00094	.01667	
SDev	.00120	.00025	.00032	.00140	.00029	.00013	
%RSD	398.57	.19527	15.793	30.041	30.439	.75146	
#1	.00102	.12888	.00174	.00380	.00078	.01659	
#2	-.00060	.12922	.00195	.00389	.00127	.01661	
#3	-.00132	.12937	.00236	.00627	.00077	.01682	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30331	--	--	--	--	--	--
SDev	100.3589	--	--	--	--	--	--
%RSD	.3308792	--	--	--	--	--	--
#1	30274	--	--	--	--	--	--
#2	30272	--	--	--	--	--	--
#3	30447	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLWWP5 Operator: RJG
Run Time: 04/09/08 17:52:29
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	.10826	-.00041	.00735	.00807	.00034	4.6383
SDev	.00037	.00306	.00090	.00031	.00012	.00004	.0105
%RSD	150.54	2.8303	219.70	4.1817	1.4928	11.581	.22713
#1	-.00037	.10638	-.00134	.00769	.00800	.00037	4.6505
#2	.00017	.10661	-.00032	.00726	.00801	.00030	4.6328
#3	-.00054	.11180	.00044	.00710	.00821	.00036	4.6317

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00202	-.00013	-.00167	.12994	.45403	1.2835
SDev	.00006	.00015	.00024	.00018	.00484	.00382	.0060
%RSD	190.73	7.4709	181.15	11.046	3.7214	.84197	.46563
#1	.00001	.00185	.00014	-.00147	.13116	.45807	1.2902
#2	-.00001	.00210	-.00025	-.00182	.12461	.45357	1.2815
#3	.00009	.00212	-.00029	-.00173	.13405	.45046	1.2787

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03817	.00022	3.1030	.00004	.00169	.00011	.00064
SDev	.00009	.00005	.1876	.00026	.00251	.00079	.00037
%RSD	.23723	20.948	6.0464	712.63	148.00	707.94	58.437
#1	.03827	.00027	3.3171	-.00024	.00145	-.00010	.00042
#2	.03812	.00020	3.0242	.00028	.00432	-.00055	.00107
#3	.03811	.00019	2.9675	.00007	-.00068	.00099	.00043

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	-.00118	-.00081	-.00014	.00019	.00008	.47598
SDev	.00335	.00062	.00116	.00149	.00095	.00104	.00283
%RSD	6016.6	52.424	144.08	1097.6	494.70	1256.3	.59444
#1	-.00103	-.00048	-.00066	.00137	.00123	.00128	.47272
#2	-.00282	-.00164	-.00203	-.00162	-.00003	-.00056	.47780
#3	.00368	-.00142	.00028	-.00016	-.00062	-.00047	.47742

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00098	.02531	.00046	.00230	.00026	.00323
SDev	.00150	.00007	.00022	.00187	.00019	.00003
%RSD	153.20	.26749	46.596	81.390	73.940	.86870
#1	.00030	.02523	.00025	.00442	.00015	.00323
#2	-.00262	.02534	.00046	.00091	.00015	.00321
#3	-.00061	.02536	.00068	.00156	.00048	.00326

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29859	--	--	--	--	--	--
SDev	47.26932	--	--	--	--	--	--
%RSD	.1583100	--	--	--	--	--	--
#1	29908	--	--	--	--	--	--
#2	29813	--	--	--	--	--	--
#3	29855	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLWWS Operator: RJG
Run Time: 04/09/08 17:57:59
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05032	2.3629	2.0356	.99679	2.0275	.05069	22.742
SDev	.00087	.0035	.0055	.00275	.0027	.00029	.080
%RSD	1.7343	.14769	.27141	.27610	.13512	.57442	.35346
#1	.04956	2.3589	2.0319	.99361	2.0243	.05066	22.731
#2	.05128	2.3654	2.0419	.99850	2.0291	.05100	22.827
#3	.05014	2.3645	2.0329	.99825	2.0291	.05042	22.667
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04996	.49109	.20188	.25598	1.6572	1.5933	6.3246
SDev	.00024	.00187	.00090	.00051	.0099	.0103	.0224
%RSD	.47876	.38130	.44655	.20084	.59785	.64805	.35447
#1	.05003	.49009	.20162	.25545	1.6511	1.5818	6.3185
#2	.05016	.49325	.20289	.25647	1.6686	1.6019	6.3494
#3	.04970	.48992	.20114	.25603	1.6519	1.5961	6.3058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.69633	.00034	16.169	.50495	.49826	.50628	.50361
SDev	.00179	.00065	.100	.00224	.00068	.00091	.00076
%RSD	.25737	194.20	.61538	.44330	.13739	.17981	.15088
#1	.69594	-.00042	16.054	.50391	.49747	.50575	.50299
#2	.69828	.00075	16.222	.50751	.49870	.50734	.50446
#3	.69476	.00068	16.231	.50341	.49861	.50577	.50339
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00145	-.00039	-.00075	2.0733	2.0649	2.0677	2.4473
SDev	.00099	.00021	.00045	.0034	.0089	.0064	.0042
%RSD	68.173	54.253	59.995	.16639	.43291	.31148	.16988
#1	-.00250	-.00050	-.00117	2.0725	2.0546	2.0606	2.4433
#2	-.00052	-.00015	-.00027	2.0771	2.0712	2.0732	2.4516

#3	-.00134	-.00054	-.00080	2.0704	2.0688	2.0693	2.4470
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00131	1.1493	.00266	1.9602	.49829	.52621	
SDev	.00248	.0011	.00026	.0099	.00277	.00071	
%RSD	189.50	.09976	9.7190	.50615	.55567	.13577	
#1	.00316	1.1481	.00236	1.9488	.49615	.52568	
#2	.00228	1.1504	.00280	1.9649	.50141	.52702	
#3	-.00151	1.1494	.00281	1.9668	.49730	.52593	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30310	--	--	--	--	--	--
SDev	182.7214	--	--	--	--	--	--
%RSD	.6028454	--	--	--	--	--	--
#1	30507	--	--	--	--	--	--
#2	30276	--	--	--	--	--	--
#3	30146	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-10 Operator: RJG
Run Time: 04/09/08 18:03:30
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0123	24.534	.51042	1.9844	2.0102	2.0418	49.764
SDev	.0027	.081	.00064	.0029	.0058	.0040	.113
%RSD	.26274	.33164	.12576	.14700	.28653	.19627	.22734
#1	1.0153	24.606	.50972	1.9877	2.0158	2.0436	49.719
#2	1.0105	24.551	.51099	1.9824	2.0105	2.0372	49.680
#3	1.0109	24.446	.51055	1.9829	2.0043	2.0446	49.892
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49964	1.9537	2.0010	2.0425	25.189	123.97	50.823
SDev	.00142	.0036	.0026	.0088	.047	.48	.091
%RSD	.28446	.18467	.12866	.42912	.18649	.39026	.17988
#1	.49985	1.9534	2.0020	2.0506	25.159	124.42	50.823
#2	.49813	1.9502	1.9980	2.0437	25.164	124.03	50.732
#3	.50094	1.9574	2.0029	2.0332	25.243	123.46	50.915
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0067	2.0154	124.05	1.9702	.49621	.49723	.49689
SDev	.0024	.0112	.50	.0036	.00237	.00104	.00057
%RSD	.11966	.55351	.40409	.18253	.47759	.20879	.11531
#1	2.0086	2.0046	124.55	1.9708	.49751	.49609	.49656
#2	2.0040	2.0147	124.04	1.9663	.49348	.49811	.49657
#3	2.0075	2.0268	123.55	1.9734	.49765	.49751	.49756
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51533	.52002	.51846	.52094	.51450	.51664	1.9474
SDev	.00038	.00259	.00161	.00734	.00193	.00284	.0054
%RSD	.07395	.49721	.30989	1.4090	.37530	.54934	.27611
#1	.51511	.52237	.51995	.52916	.51410	.51912	1.9536
#2	.51577	.51725	.51676	.51505	.51279	.51354	1.9442

#3	.51512	.52043	.51866	.51860	.51659	.51726	1.9444
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	2.0116	2.0694	2.0387	.99064	2.0003	1.9917	
SDev	.0055	.0063	.0024	.00830	.0043	.0028	
%RSD	.27321	.30308	.11989	.83783	.21644	.14020	
#1	2.0084	2.0759	2.0403	.98127	2.0043	1.9949	
#2	2.0084	2.0690	2.0359	.99356	1.9957	1.9899	
#3	2.0179	2.0633	2.0399	.99708	2.0010	1.9902	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29390	--	--	--	--	--	--
SDev	119.3743	--	--	--	--	--	--
%RSD	.4061772	--	--	--	--	--	--
#1	29252	--	--	--	--	--	--
#2	29463	--	--	--	--	--	--
#3	29454	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB10 Operator: RJG
Run Time: 04/09/08 18:09:01
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00126	.03405	-.00016	.00614	-.00030	.00047	-.01161
SDev	.00061	.00301	.00056	.00113	.00009	.00003	.00068
%RSD	48.628	8.8538	362.75	18.358	31.001	6.4958	5.8270
#1	-.00175	.03737	-.00061	.00740	-.00040	.00045	-.01111
#2	-.00146	.03328	-.00033	.00580	-.00030	.00046	-.01133
#3	-.00057	.03149	.00047	.00522	-.00021	.00051	-.01238
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00018	-.00089	-.00070	-.00276	-.01614	.20197	-.00360
SDev	.00007	.00042	.00031	.00021	.00216	.00728	.00373
%RSD	40.186	47.495	44.442	7.6127	13.365	3.6031	103.51
#1	-.00016	-.00107	-.00104	-.00263	-.01724	.20867	-.00786
#2	-.00026	-.00119	-.00062	-.00300	-.01753	.20300	-.00196
#3	-.00012	-.00041	-.00043	-.00265	-.01365	.19423	-.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	.00564	-.88627	-.00079	.00317	-.00075	.00056
SDev	.00002	.00241	.11881	.00054	.00296	.00121	.00018
%RSD	59.524	42.706	13.405	67.672	93.383	162.05	32.975
#1	-.00005	.00819	-1.0234	-.00081	-.00001	.00052	.00035
#2	-.00006	.00530	-.81557	-.00132	.00366	-.00088	.00063
#3	-.00001	.00342	-.81981	-.00025	.00585	-.00188	.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00162	.00038	-.00029	.00162	-.00032	.00033	-.02095
SDev	.00181	.00055	.00038	.00186	.00179	.00159	.00060
%RSD	112.29	146.03	132.52	114.62	559.68	487.78	2.8673
#1	.00046	-.00008	.00010	.00094	.00107	.00103	-.02162
#2	-.00244	.00023	-.00066	.00020	-.00234	-.00149	-.02045

#3	-.00287	.00098	-.00030	.00372	.00031	.00145	-.02078
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00084	-.00017	-.00032	.00290	-.00033	-.00024	
SDev	.00205	.00007	.00033	.00059	.00025	.00007	
%RSD	244.63	42.072	100.79	20.279	75.960	27.302	
#1	-.00006	-.00019	.00003	.00285	-.00039	-.00032	
#2	-.00061	-.00024	-.00061	.00234	-.00055	-.00020	
#3	.00319	-.00009	-.00039	.00352	-.00006	-.00021	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29998	--	--	--	--	--	--
SDev	196.7374	--	--	--	--	--	--
%RSD	.6558246	--	--	--	--	--	--
#1	29820	--	--	--	--	--	--
#2	29965	--	--	--	--	--	--
#3	30210	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLWWD Operator: RJG
Run Time: 04/09/08 18:14:32
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05146	2.4296	2.0925	1.0263	2.0808	.05197	23.045
SDev	.00068	.0071	.0055	.0028	.0072	.00006	.082
%RSD	1.3284	.29249	.26203	.27045	.34819	.11337	.35676
#1	.05225	2.4219	2.0969	1.0231	2.0725	.05198	23.135
#2	.05111	2.4359	2.0943	1.0283	2.0859	.05202	23.026
#3	.05102	2.4310	2.0864	1.0275	2.0840	.05190	22.974
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05139	.50290	.20666	.26320	1.6986	1.6217	6.4061
SDev	.00040	.00078	.00057	.00104	.0120	.0056	.0230
%RSD	.78253	.15587	.27524	.39594	.70706	.34769	.35963
#1	.05185	.50372	.20714	.26200	1.7113	1.6171	6.4314
#2	.05108	.50281	.20682	.26386	1.6970	1.6280	6.4005
#3	.05125	.50216	.20604	.26375	1.6875	1.6201	6.3864
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.71063	.00114	16.476	.51839	.50934	.52133	.51734
SDev	.00122	.00021	.096	.00133	.00280	.00289	.00243
%RSD	.17142	18.671	.58259	.25680	.54886	.55392	.47023
#1	.71185	.00115	16.443	.51992	.51047	.52466	.51994
#2	.71064	.00092	16.401	.51765	.51140	.51974	.51696
#3	.70941	.00134	16.585	.51759	.50616	.51959	.51511
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00168	-.00210	-.00196	2.1270	2.1259	2.1263	2.4903
SDev	.00115	.00132	.00095	.0043	.0058	.0053	.0048
%RSD	68.349	63.202	48.710	.20160	.27445	.24945	.19269
#1	-.00107	-.00076	-.00086	2.1315	2.1314	2.1314	2.4921
#2	-.00301	-.00212	-.00242	2.1267	2.1266	2.1267	2.4939

#3	-.00097	-.00341	-.00259	2.1229	2.1198	2.1208	2.4848
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00029	1.1798	.00294	2.0123	.50941	.53930	
SDev	.00141	.0043	.00063	.0037	.00016	.00031	
%RSD	479.68	.36026	21.588	.18197	.03211	.05676	
#1	.00119	1.1749	.00363	2.0108	.50940	.53960	
#2	.00102	1.1823	.00238	2.0165	.50958	.53932	
#3	-.00133	1.1823	.00281	2.0097	.50926	.53899	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30301	--	--	--	--	--	--
SDev	182.1855	--	--	--	--	--	--
%RSD	.6012483	--	--	--	--	--	--
#1	30504	--	--	--	--	--	--
#2	30249	--	--	--	--	--	--
#3	30151	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNQ4BF Operator: RJG
Run Time: 04/09/08 18:20:03
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00095	.04304	-.00016	.00447	-.00015	.00031	.00818
SDev	.00026	.00515	.00128	.00113	.00017	.00002	.00024
%RSD	27.758	11.967	814.70	25.263	115.56	6.0829	2.9263
#1	-.00065	.04898	.00129	.00570	.00003	.00030	.00844
#2	-.00103	.04017	-.00116	.00422	-.00017	.00033	.00813
#3	-.00116	.03996	-.00060	.00348	-.00030	.00030	.00796
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00166	-.00023	-.00221	-.00757	.19430	.00064
SDev	.00004	.00015	.00040	.00014	.01198	.00942	.00314
%RSD	24.854	9.1601	171.91	6.1886	158.30	4.8478	487.70
#1	-.00016	.00161	.00018	-.00206	.00371	.20386	.00195
#2	-.00020	.00183	-.00027	-.00223	-.02014	.19402	.00292
#3	-.00012	.00154	-.00061	-.00233	-.00627	.18503	-.00294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.00050	-.82038	-.00094	.00191	-.00095	.00000
SDev	.00003	.00117	.06782	.00047	.00201	.00119	.00099
%RSD	20.687	233.55	8.2670	49.364	105.50	126.05	22276.
#1	-.00010	.00180	-.75890	-.00049	.00008	.00001	.00003
#2	-.00015	.00019	-.89313	-.00091	.00407	-.00057	.00098
#3	-.00015	-.00048	-.80910	-.00142	.00159	-.00228	-.00100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00189	-.00103	-.00132	.00488	.00072	.00211	-.01889
SDev	.00116	.00270	.00157	.00531	.00156	.00100	.00056
%RSD	61.733	261.20	119.19	108.92	215.77	47.328	2.9461
#1	-.00054	-.00305	-.00222	.00031	.00249	.00176	-.01861
#2	-.00258	.00203	.00050	.01070	-.00050	.00323	-.01852

#3	-.00254	-.00207	-.00223	.00361	.00019	.00133	-.01953
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00018	-.00008	-.00018	.00309	-.00005	.00202	
SDev	.00274	.00003	.00021	.00049	.00017	.00010	
%RSD	1498.7	41.239	117.02	15.940	317.36	4.9971	
#1	-.00006	-.00007	.00003	.00361	.00012	.00210	
#2	.00304	-.00011	-.00040	.00305	-.00006	.00190	
#3	-.00243	-.00005	-.00018	.00263	-.00022	.00205	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29878	--	--	--	--	--	--
SDev	110.9858	--	--	--	--	--	--
%RSD	.3714679	--	--	--	--	--	--
#1	29758	--	--	--	--	--	--
#2	29899	--	--	--	--	--	--
#3	29977	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNQ4CF Operator: RJG
Run Time: 04/09/08 18:25:35
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05173	2.0987	2.0684	1.0047	2.0634	.05249	L.03677
SDev	.00009	.0109	.0097	.0038	.0057	.00016	.00436
%RSD	.17361	.51708	.47080	.38141	.27430	.30049	11.855
#1	.05163	2.0943	2.0615	1.0021	2.0634	.05242	L.03264
#2	.05180	2.0907	2.0642	1.0029	2.0578	.05237	L.04133
#3	.05177	2.1111	2.0796	1.0091	2.0691	.05267	L.03635
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05176	.50368	.20802	.26477	1.0410	L.18648	L.00356
SDev	.00034	.00171	.00081	.00093	.0067	.00451	.00280
%RSD	.66482	.33942	.38794	.35037	.64456	2.4185	78.743
#1	.05163	.50208	.20758	.26485	1.0383	L.19116	L.00195
#2	.05150	.50348	.20753	.26380	1.0360	L.18216	L.00680
#3	.05215	.50548	.20895	.26565	1.0486	L.18611	L.00193
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51913	L.00038	L-.78047	.51527	.51480	.52000	.51827
SDev	.00187	.00029	.12876	.00096	.00351	.00138	.00208
%RSD	.36021	75.531	16.498	.18623	.68244	.26511	.40117
#1	.51844	L.00011	L-.82007	.51422	.51241	.51934	.51703
#2	.51770	L.00068	L-.63655	.51546	.51314	.51908	.51710
#3	.52125	L.00034	L-.88478	.51611	.51883	.52158	.52067
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00163	-.00057	L-.00093	2.1329	2.1069	2.1156	L-.01387
SDev	.00039	.00030	.00032	.0202	.0108	.0136	.00213
%RSD	23.982	52.148	35.092	.94608	.51025	.64185	15.361
#1	-.00184	-.00083	L-.00116	2.1178	2.1035	2.1083	L-.01623
#2	-.00118	-.00024	L-.00056	2.1250	2.0983	2.1072	L-.01329

#3	-.00188	-.00065	L-.00106	2.1558	2.1190	2.1312	L-.01208
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L.00236	1.0688	L.00025	2.0153	.50965	.52279	
SDev	.00027	.0040	.00021	.0194	.00135	.00184	
%RSD	11.337	.37315	87.274	.96053	.26552	.35167	
#1	L.00214	1.0673	L.00003	1.9956	.50850	.52243	
#2	L.00266	1.0658	L.00046	2.0159	.50930	.52115	
#3	L.00229	1.0734	L.00025	2.0343	.51114	.52478	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30023	--	--	--	--	--	--
SDev	199.6124	--	--	--	--	--	--
%RSD	.6648634	--	--	--	--	--	--
#1	29795	--	--	--	--	--	--
#2	30109	--	--	--	--	--	--
#3	30166	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLW2F Operator: RJG
Run Time: 04/09/08 18:31:06
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00120	.06710	.00031	.05494	.02895	.00020	124.16
SDev	.00037	.00270	.00166	.00167	.00004	.00012	.50
%RSD	30.543	4.0190	537.00	3.0406	.13182	61.825	.40211
#1	-.00078	.06532	.00051	.05684	.02891	.00013	124.62
#2	-.00148	.06578	-.00144	.05426	.02899	.00012	124.25
#3	-.00134	.07021	.00185	.05371	.02894	.00034	123.63
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00023	-.00007	-.00034	-.00160	-.09309	2.6146	39.550
SDev	.00007	.00036	.00034	.00003	.01015	.0106	.160
%RSD	30.320	497.19	99.692	1.7106	10.904	.40475	.40520
#1	-.00016	.00023	-.00001	-.00157	L-.10077	2.6028	39.709
#2	-.00023	-.00047	-.00031	-.00159	-.09692	2.6232	39.552
#3	-.00029	.00002	-.00068	-.00163	-.08159	2.6178	39.388
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07332	.00032	25.382	.00138	-.00020	.00039	.00019
SDev	.00028	.00025	.186	.00104	.00246	.00152	.00029
%RSD	.37909	79.586	.73474	75.412	1223.1	392.95	152.44
#1	.07361	.00053	25.293	.00256	.00235	-.00133	-.00010
#2	.07328	.00004	25.596	.00097	-.00040	.00092	.00048
#3	.07306	.00038	25.256	.00061	-.00256	.00157	.00020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00124	-.00090	-.00101	.00170	.00286	.00248	3.8433
SDev	.00175	.00055	.00060	.00293	.00069	.00103	.0123
%RSD	140.54	60.929	59.001	171.77	24.075	41.372	.32125
#1	-.00326	-.00073	-.00157	.00471	.00241	.00318	3.8524
#2	-.00024	-.00045	-.00038	.00154	.00366	.00295	3.8483

#3	-.00023	-.00151	-.00108	-.00114	.00252	.00130	3.8293
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00068	.52151	-.00106	.00479	.00104	.00658	
SDev	.00128	.00082	.00043	.00317	.00009	.00006	
%RSD	189.18	.15656	40.589	66.188	8.7008	.93741	
#1	-.00006	.52194	-.00148	.00824	.00109	.00665	
#2	.00215	.52201	-.00106	.00411	.00110	.00653	
#3	-.00006	.52057	-.00063	.00201	.00094	.00657	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29609	--	--	--	--	--	--
SDev	139.8450	--	--	--	--	--	--
%RSD	.4723024	--	--	--	--	--	--
#1	29769	--	--	--	--	--	--
#2	29548	--	--	--	--	--	--
#3	29510	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLW2P5F Operator: RJG
Run Time: 04/09/08 18:36:37
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00084	.04286	-.00012	.01218	.00570	.00040	24.888
SDev	.00060	.00381	.00028	.00018	.00010	.00002	.092
%RSD	71.797	8.9003	235.00	1.4785	1.6950	4.0739	.37153
#1	-.00147	.03917	-.00033	.01237	.00561	.00039	24.804
#2	-.00078	.04262	-.00022	.01202	.00569	.00040	24.873
#3	-.00027	.04679	.00019	.01215	.00581	.00042	24.987

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	.00307	-.00015	-.00208	-.03087	.62603	7.7868
SDev	.00015	.00031	.00015	.00038	.00769	.00401	.0272
%RSD	145.34	10.002	101.68	18.224	24.907	.64033	.34880
#1	-.00023	.00290	-.00017	-.00233	-.03671	.62884	7.7644
#2	-.00012	.00342	-.00029	-.00225	-.03373	.62144	7.7789
#3	.00006	.00289	.00001	-.00164	-.02216	.62781	7.8170

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01460	.00047	4.7644	.00012	.00070	-.00018	.00011
SDev	.00006	.00080	.2035	.00018	.00040	.00101	.00068
%RSD	.42060	171.32	4.2722	151.01	56.417	554.74	609.35
#1	.01454	-.00039	4.6500	.00023	.00028	-.00057	-.00029
#2	.01459	.00060	4.9994	.00022	.00106	-.00094	-.00028
#3	.01466	.00119	4.6438	-.00009	.00077	.00097	.00090

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00161	-.00019	-.00066	.00007	.00029	.00022	.73876
SDev	.00203	.00243	.00227	.00137	.00116	.00058	.00304
%RSD	126.28	1312.0	345.34	2026.8	396.27	265.09	.41213
#1	-.00387	-.00257	-.00300	.00081	.00075	.00077	.73650
#2	-.00097	-.00027	-.00051	.00091	-.00103	-.00038	.73756
#3	.00003	.00229	.00154	-.00151	.00115	.00027	.74222

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00133	.10303	-.00054	.00305	.00038	.00136
SDev	.00055	.00017	.00033	.00123	.00034	.00006
%RSD	41.439	.16275	60.663	40.255	89.909	4.6916
#1	.00122	.10318	-.00062	.00227	.00011	.00133
#2	.00085	.10308	-.00083	.00242	.00077	.00131
#3	.00194	.10285	-.00018	.00447	.00027	.00143

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29929	--	--	--	--	--	--
SDev	168.2398	--	--	--	--	--	--
%RSD	.5621287	--	--	--	--	--	--
#1	29736	--	--	--	--	--	--
#2	30011	--	--	--	--	--	--
#3	30041	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLW2SF Operator: RJG
Run Time: 04/09/08 18:42:08
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05323	2.1596	2.1312	1.0817	2.1447	.05369	128.62
SDev	.00076	.0030	.0049	.0024	.0061	.00005	.38
%RSD	1.4248	.13686	.22779	.22215	.28572	.09330	.29555
#1	.05323	2.1630	2.1355	1.0824	2.1448	.05375	128.78
#2	.05398	2.1578	2.1321	1.0790	2.1385	.05365	128.90
#3	.05247	2.1581	2.1259	1.0836	2.1507	.05368	128.19
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05137	.50287	.20984	.26996	.96869	2.7275	41.008
SDev	.00024	.00142	.00112	.00078	.00865	.0023	.105
%RSD	.46197	.28213	.53624	.28977	.89300	.08523	.25664
#1	.05154	.50331	.21053	.26978	.96240	2.7257	41.062
#2	.05146	.50402	.21045	.26928	.97855	2.7301	41.075
#3	.05110	.50129	.20854	.27081	.96511	2.7266	40.887
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.60743	.00116	26.303	.51494	.50984	.51737	.51486
SDev	.00107	.00068	.023	.00185	.00195	.00068	.00106
%RSD	.17592	58.804	.08742	.35952	.38331	.13093	.20631
#1	.60846	.00090	26.323	.51701	.50959	.51689	.51446
#2	.60750	.00193	26.278	.51344	.51191	.51814	.51607
#3	.60633	.00064	26.308	.51437	.50802	.51708	.51406
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00155	-.00094	-.00114	2.1582	2.1463	2.1503	4.0158
SDev	.00142	.00177	.00148	.0005	.0046	.0029	.0032
%RSD	91.792	188.68	130.13	.02216	.21537	.13649	.08073
#1	-.00226	.00016	-.00064	2.1583	2.1480	2.1514	4.0183
#2	-.00248	-.00297	-.00281	2.1577	2.1499	2.1525	4.0121

#3	.00009	.00000	.00003	2.1587	2.1411	2.1470	4.0170
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00049	1.6309	-.00063	2.0253	.52288	.52402	
SDev	.00037	.0044	.00044	.0091	.00053	.00047	
%RSD	75.149	.27052	69.429	.44915	.10187	.09070	
#1	.00050	1.6318	-.00019	2.0167	.52259	.52452	
#2	.00087	1.6261	-.00063	2.0348	.52350	.52396	
#3	.00012	1.6347	-.00107	2.0244	.52256	.52357	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29395	--	--	--	--	--	--
SDev	54.04106	--	--	--	--	--	--
%RSD	.1838435	--	--	--	--	--	--
#1	29361	--	--	--	--	--	--
#2	29367	--	--	--	--	--	--
#3	29457	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLW2DF Operator: RJG
Run Time: 04/09/08 18:47:39
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05153	2.0859	2.0612	1.0466	2.0677	.05185	123.79
SDev	.00081	.0098	.0085	.0020	.0058	.00026	.46
%RSD	1.5681	.46977	.41232	.19568	.27977	.49499	.36822
#1	.05232	2.0972	2.0709	1.0482	2.0713	.05207	124.31
#2	.05155	2.0795	2.0553	1.0443	2.0611	.05157	123.47
#3	.05070	2.0811	2.0574	1.0473	2.0708	.05190	123.58
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04957	.48741	.20353	.26024	.94871	2.6351	39.419
SDev	.00014	.00218	.00087	.00071	.01711	.0113	.151
%RSD	.27452	.44755	.42653	.27290	1.8038	.42756	.38332
#1	.04970	.48992	.20447	.26086	.96846	2.6479	39.592
#2	.04957	.48599	.20335	.25947	.93829	2.6309	39.314
#3	.04943	.48631	.20276	.26041	.93937	2.6265	39.352
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.58726	.00096	25.436	.49863	.49127	.50237	.49867
SDev	.00184	.00030	.127	.00309	.00137	.00550	.00373
%RSD	.31332	31.302	.50051	.61878	.27872	1.0941	.74797
#1	.58922	.00099	25.583	.50114	.49153	.50869	.50298
#2	.58557	.00124	25.374	.49957	.48979	.49968	.49639
#3	.58697	.00065	25.352	.49519	.49249	.49874	.49666
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00039	-.00179	-.00106	2.0799	2.0803	2.0802	3.8509
SDev	.00419	.00179	.00174	.0102	.0128	.0105	.0153
%RSD	1075.4	100.19	163.72	.48941	.61341	.50501	.39838
#1	.00521	-.00217	.00029	2.0905	2.0921	2.0915	3.8677
#2	-.00236	-.00335	-.00302	2.0702	2.0822	2.0782	3.8376

#3	-.00168	.00016	-.00045	2.0790	2.0667	2.0708	3.8473
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00142	1.5676	-.00048	1.9603	.50739	.50751	
SDev	.00122	.0054	.00025	.0069	.00074	.00113	
%RSD	85.567	.34435	52.374	.35438	.14612	.22187	
#1	.00012	1.5692	-.00019	1.9524	.50817	.50851	
#2	.00254	1.5616	-.00063	1.9633	.50669	.50629	
#3	.00161	1.5721	-.00063	1.9652	.50733	.50773	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29386	--	--	--	--	--	--
SDev	6.792746	--	--	--	--	--	--
%RSD	.0231159	--	--	--	--	--	--
#1	29393	--	--	--	--	--	--
#2	29381	--	--	--	--	--	--
#3	29383	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLW5F Operator: RJG
Run Time: 04/09/08 18:53:10
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00139	.06829	.00114	.05453	.02867	.00022	122.47
SDev	.00051	.00408	.00172	.00125	.00016	.00003	.36
%RSD	36.854	5.9727	150.19	2.2876	.57118	13.551	.29721
#1	-.00197	.06497	-.00031	.05450	.02861	.00025	122.34
#2	-.00103	.07284	.00304	.05579	.02885	.00022	122.88
#3	-.00115	.06705	.00069	.05330	.02854	.00019	122.19
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00011	.00084	-.00006	-.00183	-.09441	2.5576	39.011
SDev	.00006	.00063	.00043	.00029	.01107	.0065	.114
%RSD	51.661	75.050	696.14	15.967	11.723	.25252	.29269
#1	-.00005	.00016	-.00038	-.00206	L-.10587	2.5643	38.973
#2	-.00013	.00140	.00042	-.00150	-.08378	2.5573	39.139
#3	-.00015	.00096	-.00023	-.00194	-.09357	2.5513	38.921
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07421	.00087	24.921	.00230	.00006	-.00060	-.00038
SDev	.00016	.00066	.082	.00010	.00196	.00161	.00045
%RSD	.21866	75.557	.32966	4.3148	3420.5	270.42	119.58
#1	.07420	.00054	24.985	.00231	.00030	-.00043	-.00018
#2	.07437	.00163	24.948	.00220	-.00202	.00092	-.00005
#3	.07405	.00045	24.828	.00240	.00188	-.00228	-.00089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00097	-.00169	-.00145	.00361	.00199	.00253	3.7625
SDev	.00053	.00179	.00123	.00235	.00100	.00136	.0012
%RSD	54.098	106.02	84.594	65.145	50.229	53.731	.03265
#1	-.00147	-.00303	-.00251	.00452	.00299	.00350	3.7630
#2	-.00043	-.00237	-.00172	.00536	.00197	.00310	3.7635

#3	-.00101	.00034	-.00011	.00094	.00100	.00098	3.7611
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00031	.51347	.00516	.00520	.00131	.01229	
SDev	.00186	.00048	.00012	.00214	.00130	.00020	
%RSD	607.29	.09334	2.2884	41.190	98.891	1.6499	
#1	.00067	.51379	.00502	.00763	.00026	.01225	
#2	.00196	.51292	.00523	.00443	.00276	.01251	
#3	-.00171	.51370	.00522	.00356	.00092	.01211	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29751	--	--	--	--	--	--
SDev	57.92732	--	--	--	--	--	--
%RSD	.1947098	--	--	--	--	--	--
#1	29699	--	--	--	--	--	--
#2	29739	--	--	--	--	--	--
#3	29813	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ7RQB Operator: RJG
Run Time: 04/09/08 18:58:41
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00054	.04022	.00057	.00224	-.00016	.00031	.05054
SDev	.00059	.00087	.00059	.00029	.00003	.00004	.00213
%RSD	107.78	2.1689	102.68	13.118	15.444	13.126	4.2142
#1	-.00043	.04096	.00123	.00257	-.00016	.00027	.04829
#2	-.00118	.04043	.00037	.00214	-.00019	.00034	.05252
#3	-.00002	.03926	.00011	.00201	-.00014	.00034	.05081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00171	-.00015	-.00234	-.00440	.18964	.00261
SDev	.00013	.00095	.00060	.00021	.00540	.00649	.00464
%RSD	136.97	55.630	396.56	8.9604	122.77	3.4235	178.19
#1	-.00005	.00064	-.00041	-.00231	-.00084	.19652	.00097
#2	-.00024	.00247	-.00059	-.00256	-.01061	.18361	-.00099
#3	.00001	.00203	.00054	-.00214	-.00175	.18880	.00785
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	-.00006	-.85575	-.00063	.00390	-.00181	.00009
SDev	.00005	.00081	.09962	.00046	.00443	.00219	.00018
%RSD	46.268	1476.7	11.641	73.163	113.55	121.06	198.55
#1	-.00010	-.00039	-.75752	-.00117	.00173	-.00102	-.00011
#2	-.00015	-.00065	-.85302	-.00034	.00097	-.00012	.00024
#3	-.00005	.00087	-.95669	-.00039	.00899	-.00429	.00013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00350	-.00002	-.00118	.00328	.00096	.00173	-.01510
SDev	.00267	.00265	.00088	.00550	.00251	.00221	.00094
%RSD	76.176	14311.	75.001	167.67	262.12	127.62	6.2400
#1	-.00172	-.00172	-.00172	.00139	-.00157	-.00059	-.01556
#2	-.00221	-.00137	-.00165	-.00103	.00346	.00196	-.01572

#3	-.00657	.00304	-.00016	.00948	.00099	.00382	-.01401
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00257	.00007	-.00019	.00270	.00084	.00281	
SDev	.00022	.00014	.00022	.00104	.00130	.00009	
%RSD	8.4914	201.58	116.59	38.420	154.64	3.1663	
#1	-.00282	.00012	.00003	.00243	.00045	.00278	
#2	-.00244	-.00009	-.00018	.00183	-.00022	.00291	
#3	-.00245	.00018	-.00040	.00385	.00228	.00274	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29768	--	--	--	--	--	--
SDev	87.78446	--	--	--	--	--	--
%RSD	.2948951	--	--	--	--	--	--
#1	29685	--	--	--	--	--	--
#2	29860	--	--	--	--	--	--
#3	29759	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ7RQC Operator: RJG
Run Time: 04/09/08 19:04:12
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05034	2.0339	2.0073	.96972	2.0115	.05095	L.02447
SDev	.00059	.0093	.0124	.00360	.0038	.00028	.00666
%RSD	1.1686	.45915	.61556	.37151	.18762	.55392	27.236
#1	.05101	2.0399	2.0205	.97190	2.0142	.05127	L.02155
#2	.05013	2.0388	2.0054	.97169	2.0130	.05085	L.03210
#3	.04990	2.0232	1.9960	.96556	2.0072	.05074	L.01977
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05046	.48817	.20236	.25720	1.0157	L.17868	L.00064
SDev	.00030	.00304	.00121	.00080	.0102	.00315	.00149
%RSD	.59893	.62216	.60032	.30958	1.0012	1.7656	233.11
#1	.05079	.49150	.20367	.25771	1.0256	L.18214	L.00194
#2	.05042	.48746	.20215	.25761	1.0162	L.17596	L-.00099
#3	.05019	.48555	.20127	.25629	1.0053	L.17794	L.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50592	L.00016	L-.93917	.50203	.50041	.50808	.50552
SDev	.00237	.00080	.07798	.00512	.00235	.00500	.00376
%RSD	.46865	511.62	8.3034	1.0204	.46979	.98302	.74295
#1	.50846	L.00102	L-.98782	.50731	.50312	.51098	.50836
#2	.50554	L.00002	L-.98047	.50168	.49893	.51094	.50694
#3	.50377	L-.00057	L-.84922	.49709	.49917	.50231	.50126
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00129	-.00073	L-.00092	2.0380	2.0358	2.0365	L-.01204
SDev	.00184	.00071	.00014	.0131	.0129	.0129	.00123
%RSD	143.35	97.035	15.784	.64113	.63510	.63259	10.220
#1	-.00289	-.00015	L-.00106	2.0500	2.0450	2.0466	L-.01239
#2	.00073	-.00153	L-.00077	2.0400	2.0413	2.0409	L-.01068

#3	-.00170	-.00052	L-.00091	2.0241	2.0210	2.0220	L-.01306
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L-.00164	1.0430	L-.00011	1.9601	.49685	.50638	
SDev	.00110	.0020	.00025	.0061	.00264	.00215	
%RSD	66.939	.19261	224.06	.31130	.53040	.42392	
#1	L-.00061	1.0452	L.00003	1.9558	.49960	.50878	
#2	L-.00279	1.0425	L.00003	1.9671	.49662	.50573	
#3	L-.00152	1.0412	L-.00040	1.9573	.49434	.50463	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29993	--	--	--	--	--	--
SDev	57.90109	--	--	--	--	--	--
%RSD	.1930466	--	--	--	--	--	--
#1	30057	--	--	--	--	--	--
#2	29978	--	--	--	--	--	--
#3	29945	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-11 Operator: RJG
Run Time: 04/09/08 19:09:43
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0172	24.640	.51156	1.9986	2.0240	2.0546	49.920
SDev	.0003	.021	.00178	.0059	.0010	.0052	.145
%RSD	.02589	.08656	.34824	.29431	.04714	.25330	.29073
#1	1.0174	24.620	.50951	1.9920	2.0244	2.0498	49.800
#2	1.0171	24.662	.51243	2.0007	2.0247	2.0538	49.878
#3	1.0169	24.638	.51274	2.0032	2.0230	2.0601	50.081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50213	1.9608	2.0115	2.0561	25.310	124.67	51.102
SDev	.00091	.0046	.0048	.0020	.061	.14	.127
%RSD	.18210	.23329	.23762	.09551	.24228	.11268	.24756
#1	.50126	1.9571	2.0080	2.0552	25.261	124.79	50.993
#2	.50204	1.9594	2.0097	2.0584	25.291	124.71	51.070
#3	.50308	1.9659	2.0170	2.0548	25.379	124.52	51.241
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0183	2.0266	124.77	1.9818	.49885	.50130	.50048
SDev	.0034	.0146	.04	.0072	.00220	.00128	.00085
%RSD	.17047	.72039	.02860	.36464	.44179	.25426	.17072
#1	2.0153	2.0113	124.76	1.9757	.49660	.50122	.49968
#2	2.0175	2.0281	124.81	1.9800	.49893	.50261	.50138
#3	2.0221	2.0403	124.74	1.9898	.50101	.50006	.50037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51847	.52510	.52289	.52129	.51586	.51766	1.9530
SDev	.00106	.00180	.00128	.00464	.00397	.00309	.0026
%RSD	.20359	.34228	.24506	.88972	.76876	.59765	.13131
#1	.51943	.52399	.52247	.52206	.52040	.52095	1.9505
#2	.51864	.52718	.52433	.51631	.51406	.51481	1.9529

#3	.51734	.52414	.52188	.52549	.51310	.51723	1.9556
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	2.0238	2.0877	2.0501	.99771	2.0129	1.9992	
SDev	.0039	.0014	.0024	.01158	.0038	.0022	
%RSD	.19124	.06740	.11757	1.1612	.18807	.10932	
#1	2.0194	2.0866	2.0478	.98434	2.0108	1.9970	
#2	2.0254	2.0871	2.0500	1.0042	2.0106	1.9991	
#3	2.0266	2.0893	2.0526	1.0046	2.0173	2.0014	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29355	--	--	--	--	--	--
SDev	26.04971	--	--	--	--	--	--
%RSD	.0887415	--	--	--	--	--	--
#1	29328	--	--	--	--	--	--
#2	29356	--	--	--	--	--	--
#3	29380	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB11 Operator: RJG
Run Time: 04/09/08 19:15:14
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00052	.03771	.00081	.00664	-.00008	.00043	-.00462
SDev	.00022	.00169	.00082	.00117	.00002	.00010	.00628
%RSD	41.991	4.4794	101.64	17.634	23.826	22.210	135.84
#1	-.00058	.03876	.00104	.00782	-.00006	.00032	-.00967
#2	-.00028	.03576	.00149	.00665	-.00010	.00050	-.00661
#3	-.00070	.03861	-.00010	.00547	-.00010	.00046	.00241
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	.00154	-.00008	-.00232	-.00129	.21246	.00097
SDev	.00016	.00013	.00018	.00019	.00168	.00243	.00000
%RSD	240.00	8.4819	218.91	8.0003	129.86	1.1415	.00000
#1	-.00002	.00159	-.00024	-.00216	-.00015	.21458	.00097
#2	-.00024	.00139	-.00012	-.00252	-.00051	.20981	.00097
#3	.00006	.00164	.00012	-.00228	-.00322	.21298	.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	.00615	-.61231	-.00083	.00068	-.00003	.00021
SDev	.00005	.00240	.19937	.00048	.00086	.00139	.00065
%RSD	253.85	39.030	32.561	57.911	126.63	4888.9	313.12
#1	-.00001	.00871	-.82533	-.00137	.00023	.00040	.00034
#2	.00008	.00579	-.58141	-.00050	.00167	-.00158	-.00050
#3	-.00001	.00395	-.43019	-.00060	.00014	.00109	.00078
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00075	-.00119	-.00105	.00193	.00081	.00119	-.01913
SDev	.00138	.00035	.00068	.00042	.00092	.00052	.00341
%RSD	183.91	29.224	65.041	21.856	113.31	44.126	17.848
#1	-.00025	-.00093	-.00070	.00194	.00154	.00168	-.01599
#2	-.00231	-.00159	-.00183	.00235	-.00022	.00063	-.02276

#3	.00031	-.00106	-.00061	.00151	.00113	.00125	-.01863
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00249	-.00001	.00018	.00501	.00028	.00013	
SDev	.00091	.00005	.00012	.00072	.00033	.00018	
%RSD	36.572	665.72	70.493	14.388	118.34	134.72	
#1	.00250	-.00007	.00025	.00529	-.00005	-.00004	
#2	.00157	.00001	.00003	.00419	.00028	.00031	
#3	.00339	.00003	.00025	.00555	.00061	.00013	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29937	--	--	--	--	--	--
SDev	132.7510	--	--	--	--	--	--
%RSD	.4434349	--	--	--	--	--	--
#1	29785	--	--	--	--	--	--
#2	30030	--	--	--	--	--	--
#3	29996	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ290 Operator: RJG
Run Time: 04/09/08 19:20:45
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00290	.55226	.00107	.01160	.47870	.00059	217.06
SDev	.00029	.00457	.00093	.00080	.00127	.00005	1.30
%RSD	9.9799	.82718	86.839	6.9121	.26459	8.1323	.59712
#1	.00322	.55728	.00028	.01229	.47979	.00058	218.36
#2	.00284	.55116	.00209	.01178	.47901	.00055	217.05
#3	.00265	.54834	.00084	.01072	.47731	.00064	215.77
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01624	.00399	.00403	.00514	-.04589	17.060	35.775
SDev	.00015	.00047	.00040	.00022	.00304	.068	.201
%RSD	.91005	11.705	9.9671	4.2722	6.6310	.40062	.56240
#1	.01638	.00452	.00436	.00539	-.04248	17.132	35.976
#2	.01626	.00361	.00414	.00498	-.04834	17.053	35.775
#3	.01609	.00385	.00358	.00504	-.04685	16.996	35.573
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.928	-.00095	H729.57	.17932	.00235	.00193	.00207
SDev	.076	.00086	1.00	.00162	.00188	.00132	.00098
%RSD	.50780	90.713	.13659	.90468	80.042	68.350	47.303
#1	15.001	-.00029	H729.87	.18101	.00026	.00179	.00128
#2	14.932	-.00063	H730.39	.17778	.00391	.00068	.00176
#3	14.850	-.00192	H728.46	.17915	.00288	.00331	.00317
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00072	-.00050	-.00057	-.00160	-.00207	-.00191	6.5398
SDev	.00067	.00087	.00056	.00070	.00198	.00155	.0295
%RSD	93.423	174.98	97.655	43.822	95.692	81.032	.45172
#1	-.00033	-.00147	-.00109	-.00118	-.00130	-.00126	6.5680
#2	-.00034	.00020	.00002	-.00241	-.00432	-.00369	6.5423

#3	-.00150	-.00022	-.00064	-.00121	-.00059	-.00080	6.5091
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00031	1.2905	-.00144	.00516	.00084	.19248	
SDev	.00067	.0035	.00013	.00166	.00098	.00089	
%RSD	216.15	.27458	9.0527	32.247	115.80	.46012	
#1	-.00025	1.2931	-.00151	.00685	.00197	.19322	
#2	.00106	1.2918	-.00129	.00352	.00028	.19273	
#3	.00013	1.2864	-.00153	.00510	.00028	.19150	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29215	--	--	--	--	--	--
SDev	119.8368	--	--	--	--	--	--
%RSD	.4101869	--	--	--	--	--	--
#1	29287	--	--	--	--	--	--
#2	29282	--	--	--	--	--	--
#3	29077	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ293 Operator: RJG
Run Time: 04/09/08 19:26:16
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00093	.15945	.00391	.05679	.05175	.00039	48.014
SDev	.00030	.00189	.00136	.00039	.00017	.00005	.114
%RSD	31.713	1.1874	34.679	.69326	.33621	11.948	.23801
#1	-.00125	.15904	.00234	.05662	.05189	.00034	47.947
#2	-.00087	.15780	.00469	.05652	.05181	.00038	47.950
#3	-.00067	.16151	.00469	.05725	.05155	.00043	48.146
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	-.00059	.00016	-.00156	.04153	1.9875	.67826
SDev	.00016	.00022	.00026	.00007	.00181	.0117	.00173
%RSD	163.00	36.638	163.73	4.4870	4.3633	.58796	.25524
#1	-.00010	-.00037	-.00011	-.00157	.04178	2.0004	.67711
#2	-.00025	-.00080	.00039	-.00149	.03960	1.9842	.67742
#3	.00006	-.00059	.00019	-.00163	.04320	1.9777	.68025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00462	.03221	28.100	.00232	.00154	.00070	.00098
SDev	.00010	.00047	.202	.00024	.00045	.00080	.00061
%RSD	2.1479	1.4675	.71765	10.422	28.914	114.55	61.964
#1	.00453	.03272	28.331	.00243	.00202	.00072	.00115
#2	.00472	.03215	27.962	.00204	.00146	.00149	.00148
#3	.00460	.03178	28.005	.00249	.00114	-.00011	.00030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00210	.00234	.00226	-.00036	.00022	.00003	7.4804
SDev	.00239	.00074	.00092	.00259	.00140	.00107	.0104
%RSD	113.58	31.461	40.794	721.85	629.28	3725.2	.13837
#1	.00353	.00305	.00321	-.00028	-.00133	-.00098	7.4909
#2	-.00065	.00238	.00137	.00219	.00063	.00115	7.4801

#3	.00343	.00158	.00220	-.00299	.00137	-.00008	7.4702
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00025	1.1392	-.00026	.00195	.01121	.00758	
SDev	.00245	.0032	.00013	.00057	.00054	.00008	
%RSD	991.33	.27863	49.551	29.225	4.8492	1.0466	
#1	.00234	1.1426	-.00041	.00258	.01157	.00754	
#2	-.00245	1.1386	-.00019	.00179	.01149	.00767	
#3	.00085	1.1363	-.00018	.00148	.01059	.00752	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29703	--	--	--	--	--	--
SDev	190.2592	--	--	--	--	--	--
%RSD	.6405483	--	--	--	--	--	--
#1	29508	--	--	--	--	--	--
#2	29711	--	--	--	--	--	--
#3	29889	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ297 Operator: RJG
Run Time: 04/09/08 19:31:48
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00303	.10727	.00134	.02178	.05438	.00035	161.19
SDev	.00094	.00506	.00137	.00105	.00011	.00003	.22
%RSD	31.070	4.7172	102.59	4.8285	.19847	7.9659	.13654
#1	.00343	.10834	.00079	.02175	.05447	.00035	161.44
#2	.00371	.11172	.00290	.02285	.05441	.00032	161.06
#3	.00196	.10176	.00032	.02075	.05426	.00038	161.06
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	.00612	.00457	.00061	.44997	5.7992	18.107
SDev	.00006	.00085	.00061	.00050	.00865	.0126	.039
%RSD	121.83	13.824	13.351	81.677	1.9231	.21798	.21551
#1	.00001	.00579	.00485	.00067	.44710	5.7985	18.152
#2	.00011	.00708	.00500	.00109	.45970	5.8122	18.088
#3	.00002	.00548	.00387	.00009	.44312	5.7869	18.081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.514	-.00092	28.480	.00703	.00367	.00463	.00431
SDev	.026	.00055	.162	.00075	.00185	.00063	.00060
%RSD	.16016	59.300	.57012	10.655	50.483	13.603	13.939
#1	16.544	-.00123	28.417	.00672	.00580	.00431	.00481
#2	16.495	-.00029	28.358	.00788	.00273	.00535	.00448
#3	16.503	-.00123	28.664	.00648	.00247	.00422	.00364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00045	.00031	-.00184	-.00416	-.00339	10.099
SDev	.00245	.00137	.00011	.00200	.00145	.00131	.021
%RSD	9141.4	304.05	36.544	108.82	34.795	38.763	.20393
#1	-.00265	.00191	.00039	-.00145	-.00567	-.00426	10.122
#2	.00216	-.00081	.00018	-.00401	-.00402	-.00402	10.083

#3	.00057	.00025	.00036	-.00006	-.00278	-.00188	10.092
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00056	.57915	.00010	.00491	.00200	.01347	
SDev	.00140	.00134	.00034	.00115	.00168	.00018	
%RSD	250.59	.23135	331.79	23.379	83.928	1.3488	
#1	-.00062	.57984	.00003	.00359	.00312	.01346	
#2	.00087	.57761	.00047	.00571	.00279	.01365	
#3	-.00192	.58001	-.00019	.00542	.00007	.01329	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29311	--	--	--	--	--	--
SDev	67.46976	--	--	--	--	--	--
%RSD	.2301850	--	--	--	--	--	--
#1	29278	--	--	--	--	--	--
#2	29267	--	--	--	--	--	--
#3	29389	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ299 Operator: RJG
Run Time: 04/09/08 19:37:19
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00115	.30951	.00624	.02316	.07643	.00036	139.86
SDev	.00056	.00220	.00030	.00036	.00058	.00004	.84
%RSD	48.425	.70940	4.8558	1.5686	.76298	11.460	.59951
#1	-.00053	.30863	.00632	.02314	.07692	.00032	140.58
#2	-.00131	.30788	.00649	.02354	.07578	.00040	138.94
#3	-.00161	.31200	.00590	.02281	.07659	.00037	140.08
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.00347	.00097	.00193	1.2070	9.1055	8.7592
SDev	.00011	.00050	.00022	.00021	.0046	.0744	.0589
%RSD	165.99	14.324	22.927	10.849	.38280	.81763	.67244
#1	.00000	.00295	.00118	.00199	1.2085	9.1717	8.8101
#2	.00019	.00351	.00099	.00210	1.2108	9.0249	8.6947
#3	.00000	.00395	.00074	.00170	1.2019	9.1199	8.7726
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14785	.00243	207.97	.00243	.00696	.00688	.00691
SDev	.00098	.00016	1.17	.00069	.00477	.00140	.00067
%RSD	.66009	6.4553	.56429	28.261	68.525	20.359	9.6411
#1	.14860	.00230	208.78	.00311	.01138	.00549	.00745
#2	.14674	.00260	206.62	.00244	.00191	.00829	.00616
#3	.14820	.00238	208.50	.00173	.00759	.00686	.00710
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00118	.00105	.00109	.00158	.00190	.00179	4.2992
SDev	.00388	.00070	.00084	.00386	.00162	.00033	.0306
%RSD	328.19	66.886	76.257	244.93	85.326	18.683	.71129
#1	-.00268	.00166	.00022	.00573	.00005	.00194	4.3254
#2	.00508	.00028	.00188	-.00190	.00306	.00141	4.2656

#3	.00114	.00121	.00119	.00089	.00259	.00202	4.3065
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00019	.68170	.00898	.00026	.01492	.02253	
SDev	.00029	.00626	.00030	.00114	.00017	.00003	
%RSD	152.78	.91824	3.3315	434.09	1.1466	.11680	
#1	.00050	.68633	.00908	.00114	.01474	.02255	
#2	-.00006	.67458	.00921	.00068	.01493	.02254	
#3	.00012	.68420	.00864	-.00103	.01508	.02250	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29270	--	--	--	--	--	--
SDev	170.8663	--	--	--	--	--	--
%RSD	.5837500	--	--	--	--	--	--
#1	29174	--	--	--	--	--	--
#2	29468	--	--	--	--	--	--
#3	29169	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ29C Operator: RJG
Run Time: 04/09/08 19:42:50
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00029	.07144	.00360	.05294	.03937	.00045	71.207
SDev	.00080	.00220	.00087	.00035	.00008	.00002	.123
%RSD	278.34	3.0735	24.072	.65618	.20550	4.1375	.17246
#1	-.00099	.07260	.00336	.05256	.03929	.00046	71.099
#2	-.00046	.06891	.00457	.05304	.03937	.00045	71.341
#3	.00058	.07281	.00288	.05323	.03945	.00042	71.182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	.00184	.00063	.00239	1.6603	2.9089	9.3304
SDev	.00009	.00071	.00041	.00027	.0032	.0057	.0194
%RSD	170.66	38.631	65.129	11.455	.19046	.19504	.20799
#1	-.00004	.00132	.00016	.00229	1.6570	2.9089	9.3170
#2	.00006	.00156	.00085	.00218	1.6605	2.9146	9.3526
#3	.00013	.00266	.00088	.00270	1.6634	2.9032	9.3215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.3261	-.00048	37.136	.00113	.00403	-.00024	.00118
SDev	.0060	.00059	.113	.00012	.00218	.00150	.00031
%RSD	.18015	122.44	.30506	10.581	53.989	617.98	26.456
#1	3.3242	-.00090	37.023	.00120	.00154	.00142	.00146
#2	3.3328	-.00073	37.249	.00099	.00557	-.00152	.00084
#3	3.3213	.00019	37.137	.00120	.00498	-.00063	.00124
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00148	.00025	-.00032	.00019	-.00013	-.00002	4.9870
SDev	.00382	.00125	.00074	.00349	.00065	.00096	.0112
%RSD	257.42	492.81	226.53	1841.6	494.53	3991.8	.22492
#1	.00242	-.00118	.00002	-.00282	.00060	-.00053	4.9906
#2	-.00522	.00085	-.00117	.00402	-.00039	.00108	4.9959

#3	-.00165	.00109	.00018	-.00064	-.00061	-.00062	4.9744
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00012	.39538	-.00054	.00238	.00023	.01149	
SDev	.00156	.00161	.00033	.00236	.00000	.00007	
%RSD	1289.9	.40664	60.553	99.374	.36919	.65282	
#1	.00030	.39573	-.00061	-.00028	.00023	.01142	
#2	-.00152	.39678	-.00083	.00316	.00023	.01149	
#3	.00158	.39362	-.00018	.00425	.00023	.01157	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29909	--	--	--	--	--	--
SDev	35.68939	--	--	--	--	--	--
%RSD	.1193271	--	--	--	--	--	--
#1	29936	--	--	--	--	--	--
#2	29922	--	--	--	--	--	--
#3	29868	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ29W Operator: RJG
Run Time: 04/09/08 19:48:21
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	.15831	.00071	.07392	.38268	.00034	137.88
SDev	.00055	.00251	.00111	.00047	.00068	.00003	.30
%RSD	1139.3	1.5839	155.31	.64147	.17791	9.3577	.21527
#1	-.00015	.16114	.00025	.07348	.38336	.00034	137.87
#2	.00067	.15744	.00197	.07385	.38269	.00031	137.59
#3	-.00038	.15636	-.00009	.07442	.38200	.00038	138.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00148	.00156	.00148	.33116	9.7661	9.7284
SDev	.00007	.00044	.00021	.00025	.00535	.0132	.0118
%RSD	1745.5	29.646	13.673	17.038	1.6146	.13517	.12095
#1	.00005	.00105	.00132	.00127	.32501	9.7695	9.7381
#2	.00003	.00147	.00171	.00142	.33377	9.7772	9.7153
#3	-.00007	.00193	.00165	.00176	.33469	9.7515	9.7319
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25339	.00145	45.156	.00229	.00764	.00454	.00557
SDev	.00026	.00057	.320	.00033	.00314	.00219	.00077
%RSD	.10051	39.433	.70770	14.275	41.117	48.284	13.740
#1	.25354	.00082	45.495	.00203	.00720	.00354	.00476
#2	.25309	.00193	45.114	.00219	.01098	.00302	.00567
#3	.25353	.00159	44.860	.00266	.00474	.00705	.00628
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00173	.00164	.00052	.00174	-.00244	-.00105	3.8677
SDev	.00070	.00014	.00014	.00426	.00315	.00149	.0085
%RSD	40.190	8.5591	26.524	244.87	129.16	142.05	.22007
#1	-.00192	.00169	.00049	.00333	-.00084	.00055	3.8772
#2	-.00231	.00175	.00040	.00497	-.00607	-.00239	3.8653

#3	-.00096	.00148	.00067	-.00309	-.00041	-.00130	3.8607
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00093	H22.928	.00039	.00232	.00252	.00913	
SDev	.00088	.038	.00034	.00134	.00052	.00002	
%RSD	94.549	.16445	85.174	57.569	20.568	.23813	
#1	.00161	H22.970	.00003	.00200	.00207	.00914	
#2	.00124	H22.897	.00047	.00379	.00309	.00915	
#3	-.00006	H22.918	.00069	.00117	.00241	.00911	

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29354	--	--	--	--	--	--
SDev	10.91859	--	--	--	--	--	--
%RSD	.0371967	--	--	--	--	--	--
#1	29360	--	--	--	--	--	--
#2	29341	--	--	--	--	--	--
#3	29360	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ3AD Operator: RJG
Run Time: 04/09/08 19:53:53
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00090	.11916	-.00077	.01769	.50493	.00030	388.37
SDev	.00103	.00267	.00017	.00021	.00183	.00006	1.10
%RSD	114.53	2.2442	21.686	1.2050	.36321	20.304	.28202
#1	-.00157	.12152	-.00073	.01787	.50687	.00028	389.59
#2	-.00142	.11626	-.00096	.01745	.50470	.00036	388.04
#3	.00029	.11970	-.00063	.01776	.50322	.00025	387.48
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	-.00045	.00196	.00081	.14206	9.4859	.07847
SDev	.00008	.00045	.00060	.00032	.00896	.0205	.00552
%RSD	163.19	98.520	30.812	39.359	6.3095	.21587	7.0365
#1	-.00008	-.00085	.00146	.00084	.15239	9.5061	.07376
#2	-.00011	-.00054	.00180	.00048	.13736	9.4863	.07711
#3	.00004	.00003	.00263	.00112	.13642	9.4652	.08455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00268	.00138	23.662	.00186	.00973	.00729	.00810
SDev	.00013	.00062	.099	.00084	.00462	.00292	.00041
%RSD	4.9447	45.315	.41758	45.327	47.450	40.074	5.1058
#1	.00255	.00082	23.776	.00156	.00460	.01056	.00858
#2	.00266	.00126	23.616	.00120	.01105	.00636	.00792
#3	.00282	.00205	23.595	.00280	.01354	.00495	.00781
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00114	.00039	-.00012	-.00210	.00020	-.00056	.44613
SDev	.00500	.00329	.00082	.00160	.00179	.00089	.00039
%RSD	437.65	854.55	663.12	76.348	880.79	159.00	.08653
#1	.00440	-.00341	-.00081	-.00394	.00163	-.00022	.44658
#2	-.00252	.00243	.00078	-.00121	.00077	.00011	.44593

#3	-.00530	.00214	-.00034	-.00113	-.00180	-.00158	.44589
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00024	H21.236	-.00277	.00158	.00033	.00989	
SDev	.00179	.114	.00014	.00053	.00051	.00015	
%RSD	731.92	.53643	5.0584	33.779	153.43	1.5355	
#1	-.00136	H21.361	-.00261	.00165	-.00018	.01004	
#2	-.00118	H21.207	-.00284	.00102	.00033	.00990	
#3	.00182	H21.139	-.00286	.00208	.00084	.00973	

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29196	--	--	--	--	--	--
SDev	143.6704	--	--	--	--	--	--
%RSD	.4920847	--	--	--	--	--	--
#1	29339	--	--	--	--	--	--
#2	29198	--	--	--	--	--	--
#3	29052	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ3AG Operator: RJG
Run Time: 04/09/08 19:59:24
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00276	.12765	.03302	.05042	.06442	.00032	125.19
SDev	.00062	.00280	.00102	.00015	.00025	.00003	.20
%RSD	22.561	2.1943	3.0788	.28906	.38759	10.802	.16002
#1	.00212	.13052	.03208	.05035	.06455	.00029	124.98
#2	.00279	.12492	.03288	.05058	.06413	.00030	125.21
#3	.00336	.12752	.03410	.05031	.06458	.00036	125.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00045	.00117	.00366	-.00210	22.044	4.3948	11.708
SDev	.00009	.00017	.00017	.00022	.018	.0031	.012
%RSD	19.954	14.215	4.5824	10.335	.08001	.07047	.10424
#1	-.00044	.00107	.00348	-.00218	22.033	4.3920	11.698
#2	-.00055	.00107	.00382	-.00225	22.035	4.3943	11.704
#3	-.00037	.00136	.00367	-.00185	22.065	4.3981	11.722
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.306	.00173	23.794	.00102	.00476	.00221	.00306
SDev	.004	.00024	.053	.00050	.00181	.00193	.00076
%RSD	.02364	13.847	.22228	49.223	38.022	87.227	25.032
#1	15.303	.00160	23.734	.00093	.00271	.00439	.00383
#2	15.305	.00159	23.817	.00056	.00612	.00151	.00305
#3	15.310	.00201	23.833	.00155	.00544	.00073	.00230
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00139	.00028	-.00028	-.00278	-.00177	-.00211	5.7206
SDev	.00222	.00077	.00061	.00219	.00092	.00034	.0038
%RSD	159.08	273.79	220.96	78.679	51.702	16.233	.06592
#1	.00116	-.00026	.00021	-.00048	-.00242	-.00177	5.7228
#2	-.00255	.00116	-.00008	-.00485	-.00072	-.00210	5.7162

#3	-.00280	-.00005	-.00097	-.00302	-.00218	-.00246	5.7226
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00019	.53531	-.00034	.00183	.00005	.00635	
SDev	.00109	.00039	.00026	.00086	.00028	.00000	
%RSD	588.87	.07345	75.387	47.342	521.76	.06081	
#1	-.00062	.53574	-.00063	.00086	-.00019	.00635	
#2	.00142	.53497	-.00019	.00254	-.00000	.00635	
#3	-.00025	.53523	-.00019	.00208	.00035	.00635	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29350	--	--	--	--	--	--
SDev	78.00692	--	--	--	--	--	--
%RSD	.2657785	--	--	--	--	--	--
#1	29270	--	--	--	--	--	--
#2	29356	--	--	--	--	--	--
#3	29425	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ3AJ Operator: RJG
Run Time: 04/09/08 20:04:55
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00258	.25583	.03986	.04976	.07348	.00031	125.54
SDev	.00138	.00624	.00072	.00119	.00028	.00007	.17
%RSD	53.300	2.4409	1.8015	2.3961	.38704	24.580	.13434
#1	.00382	.25993	.03922	.05083	.07373	.00022	125.41
#2	.00284	.25892	.04064	.04998	.07352	.00033	125.49
#3	.00110	.24865	.03972	.04848	.07317	.00037	125.73
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00032	.00290	.00421	-.00062	24.533	4.3519	12.075
SDev	.00019	.00108	.00068	.00097	.011	.0132	.013
%RSD	59.188	37.341	16.162	157.46	.04585	.30361	.11043
#1	-.00013	.00404	.00473	.00020	24.525	4.3657	12.085
#2	-.00033	.00274	.00447	-.00036	24.546	4.3505	12.060
#3	-.00050	.00190	.00344	-.00169	24.529	4.3394	12.081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.156	.00180	23.261	.00162	.01013	.00623	.00753
SDev	.013	.00114	.272	.00094	.00218	.00205	.00114
%RSD	.08524	63.321	1.1712	58.138	21.509	32.963	15.209
#1	15.143	.00292	23.525	.00196	.00900	.00859	.00872
#2	15.158	.00185	23.276	.00235	.00874	.00529	.00644
#3	15.168	.00064	22.981	.00056	.01264	.00481	.00742
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00268	.00024	-.00073	-.00342	-.00303	-.00316	5.8305
SDev	.00072	.00104	.00067	.00247	.00113	.00146	.0053
%RSD	26.951	427.04	92.128	72.370	37.420	46.243	.09109
#1	-.00185	.00001	-.00061	-.00425	-.00418	-.00420	5.8250
#2	-.00304	-.00066	-.00145	-.00536	-.00299	-.00378	5.8356

#3	-.00315	.00138	-.00013	-.00063	-.00192	-.00149	5.8310
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00063	.53490	.00084	.00144	.00038	.01146	
SDev	.00156	.00130	.00046	.00275	.00134	.00009	
%RSD	248.91	.24296	55.521	190.52	353.51	.82469	
#1	.00238	.53340	.00136	.00450	.00129	.01154	
#2	-.00062	.53572	.00047	-.00085	.00101	.01147	
#3	.00012	.53558	.00068	.00069	-.00116	.01135	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29276	--	--	--	--	--	--
SDev	232.8859	--	--	--	--	--	--
%RSD	.7954771	--	--	--	--	--	--
#1	29017	--	--	--	--	--	--
#2	29344	--	--	--	--	--	--
#3	29468	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ3AM Operator: RJG
Run Time: 04/09/08 20:10:26
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00134	.04929	-.00059	.06398	.07181	.00029	139.42
SDev	.00025	.00407	.00100	.00043	.00017	.00004	.31
%RSD	18.922	8.2589	170.28	.67779	.23972	13.790	.22197
#1	-.00164	.05185	.00056	.06365	.07201	.00030	139.77
#2	-.00117	.04459	-.00129	.06447	.07170	.00025	139.30
#3	-.00123	.05141	-.00104	.06380	.07172	.00033	139.19
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	-.00059	-.00019	-.00071	-.02148	3.7573	9.9529
SDev	.00008	.00040	.00017	.00029	.00499	.0154	.0259
%RSD	52.731	68.188	89.931	40.315	23.227	.40852	.26034
#1	-.00023	-.00102	-.00024	-.00056	-.01891	3.7562	9.9824
#2	-.00010	-.00022	.00000	-.00105	-.02723	3.7426	9.9422
#3	-.00010	-.00052	-.00033	-.00054	-.01829	3.7732	9.9341
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01534	.00019	4.9091	-.00087	.00200	.00050	.00100
SDev	.00013	.00050	.1742	.00060	.00116	.00202	.00109
%RSD	.84936	266.99	3.5482	68.913	58.220	401.44	108.51
#1	.01548	.00038	5.0200	-.00086	.00150	-.00025	.00033
#2	.01529	.00056	4.9989	-.00028	.00332	-.00103	.00042
#3	.01524	-.00038	4.7083	-.00148	.00116	.00280	.00225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00104	.00049	-.00002	.00177	.00023	.00074	6.2656
SDev	.00269	.00172	.00026	.00215	.00205	.00066	.0109
%RSD	259.62	352.01	1363.1	121.52	883.62	88.337	.17474
#1	.00105	-.00093	-.00027	.00002	.00176	.00118	6.2761
#2	-.00407	.00240	.00025	.00416	-.00209	-.00001	6.2666

#3	-.00009	-.00000	-.00003	.00112	.00103	.00106	6.2542
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00062	.75514	-.00114	.00009	.00062	.01058	
SDev	.00055	.00074	.00013	.00110	.00034	.00006	
%RSD	89.832	.09794	11.071	1197.0	54.402	.54768	
#1	-.00117	.75566	-.00106	.00069	.00095	.01061	
#2	-.00062	.75548	-.00128	.00076	.00028	.01051	
#3	-.00006	.75430	-.00107	-.00118	.00062	.01061	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29441	--	--	--	--	--	--
SDev	74.18388	--	--	--	--	--	--
%RSD	.2519743	--	--	--	--	--	--
#1	29511	--	--	--	--	--	--
#2	29448	--	--	--	--	--	--
#3	29363	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-12 Operator: RJG
Run Time: 04/09/08 20:15:58
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0203	24.687	.51387	2.0067	2.0328	2.0661	50.012
SDev	.0009	.064	.00130	.0037	.0026	.0026	.127
%RSD	.09271	.25875	.25244	.18615	.12939	.12575	.25458
#1	1.0206	24.699	.51448	2.0025	2.0343	2.0632	49.877
#2	1.0210	24.744	.51238	2.0077	2.0343	2.0671	50.028
#3	1.0192	24.618	.51475	2.0097	2.0298	2.0681	50.130
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50535	1.9691	2.0226	2.0638	25.444	124.77	51.408
SDev	.00067	.0034	.0022	.0049	.062	.52	.086
%RSD	.13312	.17503	.10813	.23515	.24346	.41449	.16672
#1	.50466	1.9663	2.0201	2.0669	25.382	124.87	51.310
#2	.50539	1.9681	2.0235	2.0663	25.445	125.23	51.446
#3	.50600	1.9730	2.0241	2.0582	25.506	124.21	51.468
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0216	2.0396	124.92	1.9921	.49798	.50316	.50144
SDev	.0020	.0127	.33	.0039	.00452	.00292	.00047
%RSD	.09745	.62247	.26546	.19589	.90728	.57935	.09436
#1	2.0194	2.0259	125.08	1.9884	.50293	.49988	.50089
#2	2.0224	2.0421	125.14	1.9916	.49693	.50417	.50176
#3	2.0230	2.0509	124.54	1.9962	.49408	.50544	.50166
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52247	.52588	.52474	.52396	.51692	.51926	1.9689
SDev	.00428	.00458	.00319	.00131	.00510	.00363	.0021
%RSD	.82013	.87059	.60776	.25010	.98744	.69911	.10446
#1	.51754	.52708	.52391	.52394	.51169	.51577	1.9679
#2	.52533	.52973	.52827	.52527	.52189	.52302	1.9713

#3	.52454	.52082	.52206	.52265	.51719	.51901	1.9676
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	2.0371	2.0989	2.0604	.99688	2.0187	2.0076	
SDev	.0060	.0017	.0015	.00901	.0016	.0012	
%RSD	.29462	.08270	.07385	.90328	.07871	.05998	
#1	2.0305	2.1008	2.0592	.98673	2.0170	2.0063	
#2	2.0384	2.0987	2.0621	1.0000	2.0202	2.0087	
#3	2.0423	2.0973	2.0599	1.0039	2.0188	2.0079	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29246	--	--	--	--	--	--
SDev	57.55813	--	--	--	--	--	--
%RSD	.1968052	--	--	--	--	--	--
#1	29282	--	--	--	--	--	--
#2	29180	--	--	--	--	--	--
#3	29276	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB12 Operator: RJG
Run Time: 04/09/08 20:21:29
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00101	.03853	.00041	.00509	-.00019	.00044	-.01156
SDev	.00065	.00093	.00042	.00159	.00015	.00005	.00061
%RSD	64.673	2.4031	100.40	31.240	76.497	11.293	5.2533
#1	-.00032	.03959	.00088	.00686	-.00012	.00039	-.01086
#2	-.00109	.03804	.00010	.00463	-.00009	.00048	-.01186
#3	-.00161	.03795	.00026	.00378	-.00037	.00045	-.01196
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00076	-.00015	-.00146	-.01510	.21693	-.00164
SDev	.00016	.00038	.00054	.00022	.00204	.00744	.00299
%RSD	82.399	49.068	360.07	15.277	13.516	3.4304	181.72
#1	-.00020	.00058	.00039	-.00120	-.01671	.22381	.00097
#2	-.00003	.00119	-.00016	-.00161	-.01281	.21796	-.00099
#3	-.00035	.00051	-.00068	-.00156	-.01579	.20903	-.00490
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00607	-.78200	-.00086	.00321	-.00035	.00083
SDev	.00005	.00324	.13844	.00068	.00175	.00093	.00100
%RSD	229.43	53.313	17.703	79.395	54.539	262.99	119.93
#1	.00004	.00926	-.78354	-.00013	.00454	-.00082	.00096
#2	-.00005	.00616	-.64279	-.00096	.00386	.00072	.00176
#3	-.00006	.00279	-.91966	-.00148	.00123	-.00095	-.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00258	-.00003	-.00088	.00338	.00085	.00169	-.02167
SDev	.00091	.00166	.00131	.00270	.00115	.00134	.00353
%RSD	35.450	6584.7	150.09	79.991	135.56	78.875	16.273
#1	-.00306	.00077	-.00051	.00608	.00181	.00323	-.01788
#2	-.00153	.00108	.00022	.00068	.00118	.00101	-.02225

#3	-.00315	-.00193	-.00234	.00338	-.00043	.00084	-.02486
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00232	-.00014	-.00004	.00273	-.00011	.00008	
SDev	.00176	.00009	.00012	.00242	.00042	.00006	
%RSD	75.661	63.395	303.97	88.574	383.60	78.037	
#1	.00399	-.00007	.00003	.00375	.00028	.00002	
#2	.00250	-.00011	.00003	.00447	-.00005	.00014	
#3	.00048	-.00024	-.00018	-.00003	-.00055	.00008	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29811	--	--	--	--	--	--
SDev	139.7805	--	--	--	--	--	--
%RSD	.4688894	--	--	--	--	--	--
#1	29654	--	--	--	--	--	--
#2	29856	--	--	--	--	--	--
#3	29923	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ3AQ Operator: RJG
Run Time: 04/09/08 20:27:00
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00168	1.4260	.02606	.04564	.07119	.00043	116.42
SDev	.00067	.0046	.00072	.00009	.00013	.00002	.31
%RSD	39.694	.32092	2.7641	.18516	.18320	4.0528	.26249
#1	.00215	1.4293	.02525	.04567	.07105	.00042	116.70
#2	.00196	1.4279	.02631	.04554	.07130	.00043	116.46
#3	.00092	1.4208	.02663	.04570	.07122	.00045	116.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.00306	.00473	.00661	17.265	3.4852	11.477
SDev	.00014	.00084	.00056	.00049	.032	.0111	.030
%RSD	113.09	27.386	11.823	7.3778	.18600	.31816	.26194
#1	-.00001	.00268	.00519	.00665	17.294	3.4971	11.502
#2	-.00008	.00402	.00490	.00708	17.269	3.4834	11.485
#3	-.00028	.00247	.00411	.00611	17.231	3.4752	11.444
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.827	.00241	45.078	.00450	.00701	.00770	.00747
SDev	.014	.00049	.128	.00083	.00192	.00211	.00079
%RSD	.13178	20.156	.28435	18.482	27.364	27.357	10.593
#1	10.842	.00255	45.184	.00437	.00873	.00553	.00660
#2	10.828	.00187	44.935	.00539	.00494	.00974	.00814
#3	10.813	.00281	45.115	.00374	.00735	.00782	.00767
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00030	-.00144	-.00086	-.00228	-.00149	-.00175	8.0542
SDev	.00082	.00207	.00153	.00050	.00170	.00108	.0162
%RSD	273.66	143.78	177.96	21.900	114.59	61.989	.20057
#1	-.00047	-.00118	-.00095	-.00281	-.00015	-.00104	8.0729
#2	.00021	-.00363	-.00235	-.00183	-.00090	-.00121	8.0440

#3	.00116	.00049	.00071	-.00218	-.00340	-.00300	8.0458
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00069	.70985	.00724	.00103	.00162	.03488	
SDev	.00141	.00121	.00026	.00069	.00035	.00005	
%RSD	205.87	.17065	3.6356	67.284	21.367	.14487	
#1	.00087	.70877	.00709	.00074	.00123	.03491	
#2	.00200	.70961	.00755	.00052	.00190	.03490	
#3	-.00081	.71116	.00709	.00181	.00172	.03482	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29171	--	--	--	--	--	--
SDev	34.96670	--	--	--	--	--	--
%RSD	.1198678	--	--	--	--	--	--
#1	29200	--	--	--	--	--	--
#2	29132	--	--	--	--	--	--
#3	29181	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ3AQP5 Operator: RJG
Run Time: 04/09/08 20:32:32
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00032	.31376	.00418	.00954	.01378	.00039	23.181
SDev	.00103	.00027	.00021	.00068	.00005	.00002	.080
%RSD	325.42	.08477	5.0751	7.1378	.38034	3.7770	.34457
#1	.00016	.31345	.00438	.00925	.01384	.00040	23.268
#2	-.00150	.31392	.00396	.00905	.01376	.00040	23.164
#3	.00039	.31390	.00420	.01032	.01374	.00037	23.111

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.00041	.00081	-.00066	3.4308	.78495	2.2718
SDev	.00021	.00018	.00067	.00050	.0160	.00468	.0096
%RSD	157.50	44.275	83.075	76.611	.46738	.59655	.42101
#1	-.00012	.00056	.00084	-.00013	3.4412	.78336	2.2821
#2	-.00034	.00021	.00012	-.00114	3.4390	.78126	2.2631
#3	.00007	.00046	.00146	-.00071	3.4124	.79022	2.2703

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1553	.00078	8.8865	.00064	.00402	.00066	.00178
SDev	.0051	.00122	.0578	.00008	.00338	.00175	.00051
%RSD	.23555	157.12	.65038	13.127	83.988	263.77	28.697
#1	2.1610	.00020	8.9375	.00064	.00424	.00144	.00237
#2	2.1537	-.00005	8.8982	.00055	.00054	.00189	.00144
#3	2.1513	.00218	8.8237	.00072	.00729	-.00134	.00153

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00100	-.00254	-.00203	-.00111	-.00008	-.00042	1.5688
SDev	.00286	.00205	.00089	.00653	.00251	.00085	.0031
%RSD	285.30	80.700	43.868	587.07	3135.4	199.86	.19556
#1	-.00094	-.00105	-.00101	-.00263	.00147	.00011	1.5716
#2	.00183	-.00488	-.00265	-.00675	.00127	-.00140	1.5692
#3	-.00390	-.00170	-.00243	.00604	-.00298	.00002	1.5655

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00117	.13935	.00134	.00168	-.00002	.00704
SDev	.00147	.00051	.00001	.00084	.00126	.00010
%RSD	125.43	.36754	.47943	50.154	7653.4	1.3871
#1	-.00006	.13979	.00133	.00084	.00071	.00709
#2	-.00062	.13946	.00134	.00167	-.00147	.00692
#3	-.00285	.13879	.00134	.00252	.00071	.00710

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29578	--	--	--	--	--	--
SDev	174.0129	--	--	--	--	--	--
%RSD	.5883153	--	--	--	--	--	--
#1	29753	--	--	--	--	--	--
#2	29576	--	--	--	--	--	--
#3	29405	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ3AQS Operator: RJG
Run Time: 04/09/08 20:38:03
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10646	5.8301	4.1091	2.0297	4.0831	.10472	113.46
SDev	.00028	.0029	.0035	.0041	.0042	.00013	.09
%RSD	.25985	.05017	.08405	.20407	.10281	.12450	.07868
#1	.10624	5.8271	4.1052	2.0249	4.0850	.10464	113.36
#2	.10638	5.8301	4.1110	2.0324	4.0860	.10487	113.54
#3	.10677	5.8330	4.1113	2.0317	4.0783	.10464	113.48
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10002	.98299	.41523	.53588	19.501	3.4571	11.320
SDev	.00006	.00045	.00061	.00040	.001	.0051	.010
%RSD	.06298	.04614	.14779	.07466	.00505	.14809	.09161
#1	.09996	.98246	.41461	.53606	19.502	3.4568	11.308
#2	.10008	.98324	.41584	.53617	19.500	3.4521	11.325
#3	.10000	.98326	.41525	.53542	19.502	3.4624	11.327
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.540	.00095	43.403	1.0085	1.0031	1.0147	1.0109
SDev	.011	.00028	.105	.0006	.0037	.0048	.0020
%RSD	.09314	29.142	.24262	.06064	.36492	.47287	.19608
#1	11.536	.00115	43.282	1.0079	1.0013	1.0172	1.0119
#2	11.552	.00063	43.454	1.0091	1.0073	1.0092	1.0086
#3	11.532	.00106	43.473	1.0087	1.0007	1.0178	1.0121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00319	.00129	-.00020	4.1371	4.1021	4.1137	8.4662
SDev	.00146	.00099	.00060	.0089	.0236	.0145	.0044
%RSD	45.671	76.994	298.06	.21459	.57456	.35324	.05159
#1	-.00151	.00076	.00000	4.1367	4.0787	4.0980	8.4611
#2	-.00399	.00067	-.00088	4.1461	4.1016	4.1164	8.4683

#3	-.00406	.00243	.00027	4.1284	4.1259	4.1267	8.4690
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00031	2.7944	.01036	3.9236	1.0121	1.0261	
SDev	.00176	.0047	.00012	.0158	.0026	.0010	
%RSD	571.23	.16665	1.1881	.40271	.26015	.09965	
#1	.00142	2.7960	.01030	3.9058	1.0124	1.0264	
#2	-.00172	2.7980	.01027	3.9357	1.0146	1.0269	
#3	.00123	2.7891	.01050	3.9294	1.0093	1.0249	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29533	--	--	--	--	--	--
SDev	44.13133	--	--	--	--	--	--
%RSD	.1494287	--	--	--	--	--	--
#1	29484	--	--	--	--	--	--
#2	29570	--	--	--	--	--	--
#3	29546	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ3AQD Operator: RJG
Run Time: 04/09/08 20:43:34
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05543	3.9865	2.0936	1.0537	2.1217	.05298	113.45
SDev	.00047	.0080	.0035	.0012	.0021	.00011	.11
%RSD	.85195	.19956	.16585	.11339	.10112	.21505	.09604
#1	.05518	3.9932	2.0973	1.0547	2.1239	.05285	113.39
#2	.05598	3.9777	2.0932	1.0524	2.1197	.05305	113.58
#3	.05514	3.9887	2.0904	1.0541	2.1215	.05303	113.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05044	.49655	.21288	.27578	18.684	3.5131	11.366
SDev	.00016	.00058	.00044	.00044	.015	.0086	.008
%RSD	.31537	.11619	.20415	.15783	.08179	.24575	.07299
#1	.05042	.49589	.21298	.27626	18.675	3.5202	11.359
#2	.05061	.49688	.21326	.27541	18.701	3.5035	11.375
#3	.05029	.49689	.21241	.27567	18.675	3.5156	11.364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.050	.00139	43.710	.51179	.50975	.51689	.51451
SDev	.005	.00026	.075	.00136	.00230	.00114	.00127
%RSD	.04583	18.936	.17237	.26538	.45119	.22095	.24614
#1	11.049	.00168	43.793	.51335	.51233	.51708	.51550
#2	11.056	.00134	43.646	.51083	.50791	.51567	.51309
#3	11.046	.00116	43.692	.51120	.50900	.51793	.51496
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00344	.00067	-.00070	2.0911	2.0843	2.0866	8.6781
SDev	.00071	.00072	.00065	.0023	.0066	.0050	.0123
%RSD	20.767	107.86	92.674	.10870	.31444	.23982	.14162
#1	-.00266	.00134	.00001	2.0932	2.0918	2.0923	8.6904
#2	-.00406	.00077	-.00084	2.0887	2.0803	2.0831	8.6658

#3	-.00360	-.00010	-.00127	2.0915	2.0807	2.0843	8.6781
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00093	1.7559	.01132	1.9906	.51383	.53421	
SDev	.00047	.0009	.00024	.0074	.00074	.00072	
%RSD	50.332	.05136	2.1679	.36928	.14332	.13517	
#1	.00087	1.7565	.01103	1.9821	.51463	.53503	
#2	.00143	1.7548	.01146	1.9949	.51368	.53370	
#3	.00050	1.7562	.01146	1.9948	.51318	.53388	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29294	--	--	--	--	--	--
SDev	23.51360	--	--	--	--	--	--
%RSD	.0802668	--	--	--	--	--	--
#1	29268	--	--	--	--	--	--
#2	29303	--	--	--	--	--	--
#3	29312	--	--	--	--	--	--

Method: METTRACE Sample Name: KJ3AR Operator: RJG
Run Time: 04/09/08 20:49:06
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00082	.11086	.00329	.12242	.10203	.00029	168.38
SDev	.00072	.00307	.00086	.00170	.00028	.00005	.76
%RSD	88.254	2.7663	26.280	1.3890	.26949	15.975	.45360
#1	.00084	.11279	.00364	.12417	.10235	.00026	169.23
#2	.00153	.11247	.00392	.12229	.10186	.00026	168.17
#3	.00009	.10733	.00230	.12078	.10188	.00034	167.75
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00280	.00153	.00476	18.983	4.6667	11.979
SDev	.00008	.00046	.00050	.00046	.069	.0072	.048
%RSD	266.05	16.577	32.781	9.6845	.36153	.15505	.40322
#1	.00006	.00269	.00131	.00497	19.054	4.6728	12.033
#2	-.00007	.00330	.00211	.00509	18.978	4.6686	11.963
#3	-.00009	.00239	.00118	.00424	18.917	4.6587	11.941
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4230	-.00057	11.717	.00089	.01688	.01419	.01509
SDev	.0173	.00010	.079	.00047	.00126	.00101	.00049
%RSD	.31923	16.967	.67641	52.076	7.4823	7.1438	3.2331
#1	5.4427	-.00046	11.631	.00068	.01550	.01471	.01497
#2	5.4162	-.00063	11.787	.00143	.01797	.01302	.01467
#3	5.4101	-.00063	11.733	.00058	.01719	.01484	.01562
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00060	.00000	-.00020	.00303	.00126	.00185	7.6708
SDev	.00113	.00155	.00085	.00206	.00130	.00085	.0158
%RSD	186.58	33618.	427.76	67.794	103.25	46.013	.20546
#1	.00049	-.00170	-.00097	.00080	.00232	.00181	7.6883
#2	-.00054	.00134	.00071	.00485	.00166	.00272	7.6662

#3	-.00176	.00037	-.00034	.00345	-.00019	.00102	7.6578
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00156	.89837	-.00056	.00944	.00140	.01455	
SDev	.00110	.00266	.00084	.00334	.00071	.00011	
%RSD	70.358	.29645	148.52	35.408	50.780	.78080	
#1	.00199	.90083	.00003	.01328	.00120	.01467	
#2	.00238	.89554	-.00020	.00714	.00218	.01455	
#3	.00031	.89873	-.00152	.00791	.00081	.01444	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29122	--	--	--	--	--	--
SDev	85.51540	--	--	--	--	--	--
%RSD	.2936471	--	--	--	--	--	--
#1	29218	--	--	--	--	--	--
#2	29054	--	--	--	--	--	--
#3	29094	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNFG (200.7) Operator: RJG
Run Time: 04/09/08 20:54:37
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	.17079	-.00005	.07406	.05041	.00036	87.660
SDev	.00106	.00252	.00044	.00035	.00003	.00001	.159
%RSD	389.83	1.4742	900.95	.46734	.06389	2.3845	.18094
#1	-.00130	.16886	-.00055	.07368	.05044	.00035	87.512
#2	.00083	.17364	.00024	.07416	.05038	.00037	87.827
#3	-.00035	.16987	.00016	.07435	.05040	.00035	87.641
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	-.00033	.00018	-.00129	.03511	10.755	10.916
SDev	.00022	.00077	.00050	.00041	.00694	.016	.022
%RSD	234.71	229.90	273.29	31.644	19.782	.14433	.19877
#1	-.00026	-.00119	-.00038	-.00176	.02920	10.756	10.900
#2	.00015	.00028	.00057	-.00104	.04276	10.769	10.941
#3	-.00017	-.00009	.00037	-.00107	.03336	10.738	10.907
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13473	.00650	49.344	.00001	.00256	-.00115	.00009
SDev	.00015	.00065	.106	.00086	.00241	.00173	.00127
%RSD	.11531	9.9907	.21384	6417.6	94.199	150.83	1472.3
#1	.13466	.00582	49.402	-.00070	.00159	.00083	.00108
#2	.13490	.00711	49.407	.00097	.00531	-.00188	.00051
#3	.13461	.00658	49.222	-.00023	.00078	-.00240	-.00134
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00272	-.00039	-.00117	.00616	-.00039	.00179	3.5808
SDev	.00180	.00140	.00107	.00097	.00122	.00049	.0055
%RSD	66.051	357.48	91.602	15.719	314.61	27.396	.15421
#1	-.00132	.00071	.00004	.00606	-.00028	.00183	3.5852
#2	-.00475	.00008	-.00153	.00524	.00077	.00226	3.5826

#3	-.00210	-.00196	-.00201	.00717	-.00166	.00128	3.5746
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00018	.23911	.00490	.00113	.00226	.00617	
SDev	.00102	.00056	.00046	.00105	.00083	.00005	
%RSD	552.21	.23430	9.2773	92.889	36.856	.83289	
#1	-.00099	.23967	.00439	.00104	.00130	.00612	
#2	.00068	.23855	.00505	.00013	.00282	.00622	
#3	.00086	.23912	.00526	.00223	.00265	.00615	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29531	--	--	--	--	--	--
SDev	39.69867	--	--	--	--	--	--
%RSD	.1344321	--	--	--	--	--	--
#1	29547	--	--	--	--	--	--
#2	29485	--	--	--	--	--	--
#3	29559	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNHT Operator: RJG
Run Time: 04/09/08 21:00:08
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	.09246	.00006	.16083	.02273	.00004	54.095
SDev	.00035	.00163	.00044	.00079	.00001	.00001	.210
%RSD	97.949	1.7622	794.37	.49340	.06342	21.518	.38749
#1	-.00072	.09143	.00052	.15992	.02272	.00004	53.863
#2	-.00001	.09434	-.00035	.16137	.02275	.00003	54.150
#3	-.00035	.09161	-.00001	.16121	.02272	.00004	54.271
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	.00127	.13560	.00075	3.7672	8.8202	8.4375
SDev	.00005	.00057	.00047	.00032	.0196	.0289	.0344
%RSD	24.241	44.786	.34544	42.135	.52012	.32801	.40732
#1	-.00022	.00064	.13512	.00039	3.7446	8.7943	8.3999
#2	-.00017	.00173	.13563	.00100	3.7787	8.8514	8.4453
#3	-.00028	.00145	.13605	.00086	3.7783	8.8147	8.4673
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5894	.01270	H1349.5	.00938	.00275	-.00033	.00070
SDev	.0039	.00068	5.2	.00118	.00082	.00141	.00070
%RSD	.24717	5.3867	.38315	12.586	29.684	429.74	100.09
#1	1.5851	.01194	H1344.2	.00816	.00319	-.00157	.00001
#2	1.5906	.01327	H1354.6	.01051	.00181	.00121	.00141
#3	1.5927	.01290	H1349.5	.00946	.00326	-.00063	.00067
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01734	.01793	.01773	.00520	.00014	.00183	3.0899
SDev	.00149	.00078	.00065	.00428	.00157	.00174	.0084
%RSD	8.6089	4.3540	3.6946	82.145	1100.1	95.166	.27042
#1	.01598	.01751	.01700	.00999	-.00036	.00309	3.0805
#2	.01893	.01745	.01794	.00177	-.00112	-.00016	3.0962

#3	.01711	.01883	.01826	.00386	.00190	.00255	3.0932
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.14862	.22363	.00063	.00130	.00057	.00662	
SDev	.00217	.00032	.00013	.00151	.00027	.00007	
%RSD	1.4623	.14164	21.158	115.79	47.019	1.0961	
#1	.14690	.22327	.00048	.00053	.00080	.00658	
#2	.14791	.22387	.00071	.00305	.00027	.00658	
#3	.15107	.22376	.00071	.00034	.00063	.00670	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	28126	--	--	--	--	--	--
SDev	82.86935	--	--	--	--	--	--
%RSD	.2946342	--	--	--	--	--	--
#1	28221	--	--	--	--	--	--
#2	28065	--	--	--	--	--	--
#3	28093	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLNM Tl Rerun Operator: RJG
Run Time: 04/09/08 21:05:38
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00059	.25118	.00074	.02628	.04643	.00035	32.487
SDev	.00028	.00433	.00201	.00034	.00008	.00004	.120
%RSD	47.848	1.7233	270.67	1.2901	.17556	10.952	.36828
#1	-.00029	.25565	.00304	.02667	.04652	.00031	32.618
#2	-.00085	.25088	-.00071	.02610	.04635	.00035	32.459
#3	-.00064	.24701	-.00010	.02607	.04642	.00038	32.384
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00201	.00003	-.00059	.36715	1.5395	8.9816
SDev	.00002	.00046	.00025	.00054	.01673	.0088	.0256
%RSD	50.143	22.925	724.65	91.715	4.5566	.57129	.28476
#1	.00004	.00246	.00032	-.00000	.38647	1.5457	9.0085
#2	.00004	.00202	-.00008	-.00107	.35748	1.5434	8.9786
#3	.00001	.00154	-.00014	-.00069	.35751	1.5295	8.9576
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14549	.00041	28.201	.00461	.00158	.00017	.00064
SDev	.00033	.00044	.198	.00098	.00223	.00143	.00021
%RSD	.22869	106.00	.70087	21.169	141.01	832.70	32.931
#1	.14585	.00030	28.358	.00573	-.00064	.00155	.00082
#2	.14540	.00004	28.265	.00416	.00156	.00026	.00069
#3	.14521	.00089	27.979	.00395	.00383	-.00130	.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00026	.00057	.00029	-.00067	.00052	.00012	2.4511
SDev	.00305	.00193	.00035	.00349	.00310	.00135	.0059
%RSD	1175.7	338.18	119.40	522.31	595.80	1088.0	.23904
#1	.00300	-.00129	.00014	-.00397	.00409	.00141	2.4578
#2	-.00073	.00044	.00005	-.00102	-.00141	-.00128	2.4482

#3	-.00304	.00257	.00070	.00299	-.00112	.00025	2.4472
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00093	.29146	.00083	.00143	.00106	.00932	
SDev	.00088	.00020	.00013	.00150	.00017	.00014	
%RSD	94.611	.06729	15.228	105.09	16.339	1.5292	
#1	.00161	.29125	.00090	.00310	.00124	.00946	
#2	.00123	.29151	.00068	.00099	.00089	.00917	
#3	-.00006	.29163	.00090	.00020	.00106	.00933	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29482	--	--	--	--	--	--
SDev	26.67538	--	--	--	--	--	--
%RSD	.0904801	--	--	--	--	--	--
#1	29451	--	--	--	--	--	--
#2	29497	--	--	--	--	--	--
#3	29498	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLNP Tl Rerun Operator: RJG
Run Time: 04/09/08 21:11:09
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00054	1.6692	.00170	.03194	.09339	.00040	50.117
SDev	.00060	.0085	.00073	.00033	.00018	.00003	.157
%RSD	110.65	.51185	42.981	1.0222	.19432	7.0589	.31419
#1	.00015	1.6773	.00253	.03208	.09355	.00039	50.272
#2	-.00087	1.6699	.00135	.03156	.09343	.00037	50.123
#3	-.00091	1.6603	.00120	.03217	.09320	.00042	49.957
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	.00077	.00273	.00011	1.5014	2.7150	8.4519
SDev	.00011	.00019	.00028	.00026	.0061	.0127	.0295
%RSD	131.00	25.304	10.096	241.17	.40754	.46607	.34896
#1	.00002	.00096	.00305	.00041	1.5046	2.7294	8.4833
#2	-.00020	.00057	.00258	-.00004	1.4943	2.7100	8.4479
#3	-.00006	.00078	.00257	-.00005	1.5051	2.7057	8.4247
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14070	.00095	32.096	.00270	.00395	.00061	.00172
SDev	.00049	.00009	.097	.00010	.00430	.00229	.00026
%RSD	.34908	9.0457	.30115	3.6982	108.88	377.70	15.154
#1	.14123	.00103	31.984	.00280	.00730	-.00084	.00187
#2	.14060	.00086	32.149	.00269	.00543	-.00059	.00142
#3	.14026	.00095	32.154	.00260	-.00090	.00325	.00187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00191	.00008	-.00058	.00289	-.00038	.00071	6.0089
SDev	.00329	.00146	.00013	.00523	.00346	.00065	.0237
%RSD	172.18	1742.6	21.967	181.15	919.67	91.760	.39365
#1	-.00491	.00138	-.00072	.00824	-.00357	.00036	6.0276
#2	-.00243	.00038	-.00056	.00262	-.00085	.00031	6.0167

#3	.00161	-.00150	-.00047	-.00220	.00329	.00146	5.9823
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00061	.37809	.04261	.00279	.00518	.01985	
SDev	.00086	.00092	.00036	.00099	.00017	.00010	
%RSD	142.08	.24438	.83464	35.548	3.3132	.51871	
#1	.00030	.37852	.04296	.00165	.00534	.01997	
#2	.00158	.37872	.04225	.00325	.00500	.01979	
#3	-.00006	.37703	.04261	.00347	.00519	.01980	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29861	--	--	--	--	--	--
SDev	51.02013	--	--	--	--	--	--
%RSD	.1708612	--	--	--	--	--	--
#1	29864	--	--	--	--	--	--
#2	29910	--	--	--	--	--	--
#3	29808	--	--	--	--	--	--

Method: METTRACE Sample Name: KKP58BF Operator: RJG
Run Time: 04/09/08 21:16:40
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00069	.04430	-.00009	.00122	-.00006	.00046	.00989
SDev	.00056	.00138	.00027	.00053	.00014	.00003	.00032
%RSD	80.991	3.1258	289.26	43.218	214.96	6.0451	3.2111
#1	-.00134	.04410	.00017	.00095	-.00019	.00049	.01025
#2	-.00035	.04578	-.00009	.00182	.00008	.00047	.00963
#3	-.00039	.04303	-.00036	.00088	-.00008	.00043	.00979
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	.00148	-.00036	-.00225	-.00064	.19553	-.00099
SDev	.00008	.00071	.00018	.00048	.00449	.00709	.00259
%RSD	39.812	48.106	49.973	21.520	705.96	3.6282	261.58
#1	-.00019	.00066	-.00054	-.00277	.00032	.18961	-.00393
#2	-.00013	.00183	-.00019	-.00181	.00329	.20340	.00097
#3	-.00029	.00194	-.00034	-.00217	-.00552	.19359	-.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	-.00043	-.88675	-.00101	.00115	-.00084	-.00017
SDev	.00009	.00029	.12154	.00072	.00268	.00128	.00025
%RSD	110.43	68.150	13.706	71.400	232.60	153.27	145.18
#1	-.00019	-.00073	-.97138	-.00168	-.00029	.00020	.00004
#2	-.00001	-.00040	-.74748	-.00112	-.00049	-.00044	-.00046
#3	-.00006	-.00015	-.94139	-.00024	.00424	-.00227	-.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00172	.00021	-.00043	.00248	-.00247	-.00082	-.01787
SDev	.00258	.00106	.00043	.00139	.00012	.00052	.00223
%RSD	150.08	499.79	100.07	56.087	4.8965	63.498	12.478
#1	-.00111	.00059	.00003	.00373	-.00246	-.00040	-.02001
#2	.00050	-.00099	-.00049	.00098	-.00259	-.00140	-.01556

#3	-.00455	.00103	-.00083	.00272	-.00235	-.00066	-.01803
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00031	-.00001	-.00018	.00106	.00000	.00205	
SDev	.00021	.00011	.00043	.00208	.00035	.00010	
%RSD	68.900	1341.7	235.27	196.69	10556.	4.6668	
#1	-.00006	-.00013	-.00018	-.00098	-.00038	.00209	
#2	-.00043	.00006	.00025	.00318	.00028	.00212	
#3	-.00043	.00005	-.00061	.00098	.00011	.00194	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29937	--	--	--	--	--	--
SDev	129.3922	--	--	--	--	--	--
%RSD	.4322192	--	--	--	--	--	--
#1	29881	--	--	--	--	--	--
#2	29845	--	--	--	--	--	--
#3	30085	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-13 Operator: RJG
Run Time: 04/09/08 21:22:12
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0070	24.414	.51122	1.9849	2.0140	2.0445	49.682
SDev	.0031	.074	.00598	.0067	.0060	.0153	.417
%RSD	.30746	.30497	1.1705	.33627	.29596	.74755	.83951
#1	1.0103	24.495	.51808	1.9920	2.0195	2.0612	50.131
#2	1.0067	24.399	.50708	1.9842	2.0149	2.0412	49.608
#3	1.0041	24.349	.50850	1.9787	2.0077	2.0311	49.306
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50208	1.9502	2.0054	2.0386	25.246	123.49	50.998
SDev	.00464	.0152	.0150	.0032	.181	.06	.420
%RSD	.92502	.78105	.74757	.15780	.71794	.04464	.82285
#1	.50719	1.9670	2.0216	2.0422	25.441	123.56	51.454
#2	.50094	1.9461	2.0029	2.0375	25.216	123.45	50.910
#3	.49811	1.9373	1.9919	2.0360	25.082	123.47	50.629
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0065	2.0230	123.40	1.9750	.49268	.50528	.50108
SDev	.0126	.0042	.13	.0146	.00833	.00251	.00307
%RSD	.62566	.20682	.10142	.74111	1.6906	.49766	.61224
#1	2.0200	2.0256	123.47	1.9914	.50079	.50344	.50256
#2	2.0042	2.0253	123.26	1.9702	.49310	.50815	.50313
#3	1.9952	2.0182	123.47	1.9633	.48415	.50425	.49756
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51928	.51999	.51976	.51717	.51604	.51642	1.9463
SDev	.00274	.00362	.00201	.00674	.00284	.00381	.0111
%RSD	.52827	.69578	.38674	1.3036	.55014	.73769	.57010
#1	.51739	.52417	.52191	.52436	.51723	.51960	1.9588
#2	.51803	.51788	.51793	.51617	.51810	.51745	1.9425

#3	.52243	.51793	.51943	.51098	.51280	.51220	1.9377
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	2.0315	2.0839	2.0427	.98846	1.9994	1.9854	
SDev	.0166	.0054	.0102	.00309	.0137	.0106	
%RSD	.81666	.25951	.49889	.31295	.68653	.53195	
#1	2.0491	2.0879	2.0538	.98565	2.0140	1.9968	
#2	2.0292	2.0861	2.0406	.98796	1.9974	1.9837	
#3	2.0161	2.0777	2.0338	.99178	1.9868	1.9759	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29302	--	--	--	--	--	--
SDev	58.36550	--	--	--	--	--	--
%RSD	.1991884	--	--	--	--	--	--
#1	29329	--	--	--	--	--	--
#2	29341	--	--	--	--	--	--
#3	29235	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB13 Operator: RJG
Run Time: 04/09/08 21:27:43
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00067	.03776	.00007	.00601	-.00026	.00046	-.00945
SDev	.00036	.00171	.00067	.00152	.00005	.00002	.00210
%RSD	54.133	4.5275	983.15	25.253	20.928	3.2770	22.218
#1	-.00107	.03881	-.00059	.00744	-.00032	.00046	-.01187
#2	-.00035	.03869	.00075	.00615	-.00022	.00045	-.00820
#3	-.00060	.03579	.00004	.00442	-.00022	.00048	-.00828
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00060	-.00000	-.00254	-.01241	.20940	.00129
SDev	.00008	.00021	.00013	.00025	.00341	.00765	.00112
%RSD	297.95	35.192	8344.6	9.8914	27.474	3.6551	86.814
#1	-.00010	.00054	-.00012	-.00253	-.01275	.21815	.00194
#2	.00005	.00084	.00014	-.00229	-.00884	.20391	.00194
#3	-.00002	.00043	-.00003	-.00280	-.01563	.20616	-.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	.00693	-.74736	-.00088	.00497	-.00282	-.00022
SDev	.00007	.00314	.16679	.00085	.00093	.00015	.00036
%RSD	364.92	45.356	22.317	96.412	18.686	5.3195	162.36
#1	-.00005	.01045	-.56418	-.00096	.00474	-.00299	-.00041
#2	.00008	.00592	-.89045	.00001	.00418	-.00277	-.00045
#3	.00003	.00441	-.78743	-.00168	.00600	-.00270	.00020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00324	.00147	-.00010	.00292	-.00155	-.00007	-.02085
SDev	.00109	.00107	.00056	.00100	.00157	.00127	.00283
%RSD	33.630	72.373	583.01	34.260	101.22	1951.0	13.550
#1	-.00199	.00064	-.00024	.00356	.00026	.00136	-.01848
#2	-.00378	.00267	.00052	.00342	-.00243	-.00048	-.02010

#3	-.00396	.00111	-.00058	.00177	-.00250	-.00108	-.02397
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00211	-.00001	-.00025	.00284	.00033	-.00021	
SDev	.00082	.00007	.00012	.00149	.00010	.00005	
%RSD	38.996	706.27	48.166	52.496	28.784	23.160	
#1	.00195	-.00009	-.00018	.00447	.00028	-.00026	
#2	.00138	.00003	-.00018	.00155	.00044	-.00018	
#3	.00301	.00003	-.00039	.00251	.00027	-.00018	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30080	--	--	--	--	--	--
SDev	188.2367	--	--	--	--	--	--
%RSD	.6257909	--	--	--	--	--	--
#1	29864	--	--	--	--	--	--
#2	30162	--	--	--	--	--	--
#3	30213	--	--	--	--	--	--

Method: METTRACE Sample Name: KKP58CF Operator: RJG
Run Time: 04/09/08 21:33:14
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04982	2.0142	2.0002	.97088	1.9908	.05061	L.01663
SDev	.00056	.0007	.0026	.00165	.0033	.00014	.00035
%RSD	1.1279	.03457	.12875	.16951	.16470	.27793	2.1282
#1	.04994	2.0145	2.0001	.96899	1.9873	.05049	L.01704
#2	.04921	2.0147	1.9978	.97170	1.9913	.05059	L.01648
#3	.05031	2.0134	2.0029	.97196	1.9938	.05077	L.01638
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05016	.48574	.20062	.25277	1.0103	L.20648	L-.00001
SDev	.00028	.00062	.00090	.00034	.0040	.00464	.00259
%RSD	.55227	.12739	.44897	.13405	.39701	2.2488	17739.
#1	.05037	.48622	.20117	.25240	1.0145	L.21166	L.00194
#2	.05027	.48504	.19959	.25284	1.0097	L.20508	L-.00295
#3	.04985	.48596	.20112	.25307	1.0066	L.20270	L.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50010	L.00125	L-.89449	.49618	.49483	.50928	.50446
SDev	.00104	.00041	.02287	.00137	.00375	.00290	.00214
%RSD	.20816	32.876	2.5563	.27714	.75829	.56862	.42342
#1	.50051	L.00145	L-.88168	.49683	.49522	.51252	.50676
#2	.49892	L.00078	L-.88090	.49460	.49089	.50835	.50254
#3	.50088	L.00153	L-.92089	.49711	.49836	.50696	.50409
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00176	-.00179	L-.00061	2.0652	2.0511	2.0558	L-.01766
SDev	.00229	.00191	.00056	.0069	.0104	.0065	.00144
%RSD	130.31	106.75	91.460	.33504	.50912	.31611	8.1743
#1	.00318	-.00254	L-.00063	2.0629	2.0631	2.0630	L-.01857
#2	.00297	-.00321	L-.00115	2.0598	2.0458	2.0504	L-.01599

#3	-.00088	.00038	L-.00004	2.0730	2.0443	2.0539	L-.01841
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L.00200	1.0338	L.00046	1.9431	.49000	.50155	
SDev	.00069	.0029	.00037	.0186	.00180	.00089	
%RSD	34.371	.27861	80.686	.95958	.36716	.17643	
#1	L.00249	1.0310	L.00068	1.9216	.48841	.50134	
#2	L.00122	1.0338	L.00003	1.9532	.48964	.50079	
#3	L.00231	1.0367	L.00068	1.9545	.49196	.50252	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29910	--	--	--	--	--	--
SDev	28.61856	--	--	--	--	--	--
%RSD	.0956834	--	--	--	--	--	--
#1	29933	--	--	--	--	--	--
#2	29878	--	--	--	--	--	--
#3	29919	--	--	--	--	--	--

Method: METTRACE Sample Name: KKP58LF Operator: RJG
Run Time: 04/09/08 21:38:46
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04980	2.0292	2.0318	.98067	2.0019	.05112	L.02743
SDev	.00085	.0102	.0097	.00326	.0049	.00021	.01007
%RSD	1.7075	.50241	.47834	.33276	.24432	.41735	36.706
#1	.04994	2.0235	2.0329	.97887	2.0003	.05107	L.02062
#2	.05058	2.0409	2.0409	.98443	2.0074	.05135	L.02268
#3	.04889	2.0230	2.0215	.97870	1.9981	.05093	L.03899
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05094	.49042	.20294	.25416	1.0165	L.19062	L.00258
SDev	.00044	.00252	.00092	.00087	.0127	.01175	.00244
%RSD	.85618	.51482	.45082	.34234	1.2456	6.1637	94.682
#1	.05083	.48995	.20327	.25427	1.0046	L.18020	L.00289
#2	.05142	.49314	.20364	.25497	1.0298	L.20336	L.00485
#3	.05057	.48816	.20190	.25324	1.0150	L.18830	L-.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50567	L.00094	L-.81032	.50377	.50151	.51271	.50898
SDev	.00214	.00079	.17136	.00113	.00584	.00449	.00366
%RSD	.42404	84.111	21.147	.22509	1.1645	.87624	.71968
#1	.50550	L.00181	L-.99866	.50466	.50701	.50995	.50897
#2	.50789	L.00076	L-.66361	.50417	.50216	.51790	.51266
#3	.50361	L.00026	L-.76869	.50250	.49538	.51030	.50533
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00116	-.00056	L-.00076	2.0930	2.0827	2.0861	L-.01405
SDev	.00458	.00225	.00066	.0148	.0139	.0133	.00225
%RSD	394.65	400.26	86.514	.70510	.66772	.63683	16.025
#1	-.00631	.00148	L-.00111	2.1005	2.0779	2.0855	L-.01339
#2	.00038	-.00019	L-.00000	2.1024	2.0983	2.0997	L-.01657

#3	.00245	-.00297	L-.00117	2.0760	2.0717	2.0731	L-.01221
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L-.00043	1.0437	L.00053	1.9692	.49610	.50532	
SDev	.00165	.0019	.00044	.0168	.00218	.00215	
%RSD	385.83	.18300	83.304	.85071	.43977	.42474	
#1	L.00137	1.0438	L.00004	1.9516	.49621	.50552	
#2	L-.00079	1.0455	L.00089	1.9849	.49823	.50736	
#3	L-.00187	1.0417	L.00067	1.9713	.49387	.50309	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30256	--	--	--	--	--	--
SDev	145.8144	--	--	--	--	--	--
%RSD	.4819376	--	--	--	--	--	--
#1	30422	--	--	--	--	--	--
#2	30150	--	--	--	--	--	--
#3	30195	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLNMF Operator: RJG
Run Time: 04/09/08 21:44:18
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00113	.06021	.00019	.02919	.04568	.00042	32.720
SDev	.00082	.00271	.00159	.00060	.00005	.00004	.027
%RSD	72.498	4.4954	828.73	2.0462	.10460	8.8065	.08183
#1	-.00184	.06296	.00000	.02951	.04571	.00045	32.691
#2	-.00024	.06010	.00187	.02955	.04571	.00038	32.743
#3	-.00131	.05755	-.00129	.02850	.04563	.00043	32.726
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00024	.00241	-.00049	-.00089	-.04465	1.6826	9.0625
SDev	.00010	.00095	.00070	.00053	.01354	.0054	.0197
%RSD	42.556	39.276	143.84	59.700	30.333	.32376	.21737
#1	-.00035	.00218	-.00112	-.00123	-.03329	1.6889	9.0414
#2	-.00017	.00345	.00026	-.00028	-.04101	1.6797	9.0655
#3	-.00019	.00160	-.00060	-.00117	-.05964	1.6792	9.0805
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13680	.00062	29.070	.00384	.00296	-.00207	-.00039
SDev	.00028	.00080	.231	.00121	.00697	.00353	.00042
%RSD	.20604	130.24	.79553	31.444	235.72	170.75	107.65
#1	.13648	-.00022	29.292	.00247	-.00509	.00194	-.00040
#2	.13691	.00138	28.831	.00432	.00701	-.00345	.00003
#3	.13701	.00069	29.088	.00474	.00696	-.00469	-.00081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00341	.00198	.00018	.00463	-.00075	.00104	2.3622
SDev	.00483	.00367	.00090	.00636	.00374	.00182	.0080
%RSD	141.38	185.83	494.60	137.41	495.97	174.94	.33772
#1	.00196	-.00188	-.00060	-.00190	.00335	.00160	2.3570
#2	-.00482	.00238	-.00002	.00497	-.00397	-.00099	2.3582

#3	-.00738	.00544	.00117	.01082	-.00164	.00251	2.3714
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00048	.29438	-.00091	.00553	.00066	.03169	
SDev	.00192	.00058	.00012	.00628	.00084	.00011	
%RSD	397.40	.19550	13.030	113.62	127.42	.34764	
#1	-.00172	.29386	-.00084	.01216	-.00023	.03156	
#2	.00177	.29427	-.00084	.00478	.00144	.03174	
#3	.00139	.29500	-.00104	-.00034	.00076	.03176	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29804	--	--	--	--	--	--
SDev	175.6713	--	--	--	--	--	--
%RSD	.5894251	--	--	--	--	--	--
#1	29654	--	--	--	--	--	--
#2	29760	--	--	--	--	--	--
#3	29997	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLNMP5F Operator: RJG
Run Time: 04/09/08 21:49:50
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	.04930	.00092	.00796	.00891	.00042	6.5937
SDev	.00055	.00205	.00119	.00044	.00004	.00003	.0278
%RSD	531.28	4.1630	128.60	5.5512	.48140	6.2727	.42167
#1	.00037	.05079	.00095	.00843	.00895	.00045	6.6214
#2	.00003	.04696	.00209	.00790	.00892	.00039	6.5940
#3	-.00071	.05014	-.00028	.00755	.00887	.00042	6.5658

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00008	.00193	-.00002	-.00155	-.00133	.48484	1.7955
SDev	.00007	.00003	.00035	.00032	.01116	.00439	.0135
%RSD	87.410	1.3124	1423.8	20.317	841.23	.90531	.74984
#1	.00004	.00191	.00036	-.00121	-.00158	.48749	1.8081
#2	.00017	.00193	-.00010	-.00183	-.01235	.47978	1.7972
#3	.00004	.00196	-.00033	-.00162	.00996	.48726	1.7813

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02710	.00044	5.5172	-.00005	.00089	.00021	.00043
SDev	.00013	.00123	.1217	.00063	.00374	.00377	.00127
%RSD	.47027	279.66	2.2051	1255.0	422.26	1831.9	294.29
#1	.02713	.00153	5.5641	-.00060	.00096	.00020	.00046
#2	.02720	.00070	5.3790	.00064	.00458	-.00357	-.00085
#3	.02696	-.00090	5.6084	-.00019	-.00289	.00398	.00169

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00135	.00004	-.00043	-.00211	.00175	.00046	.44431
SDev	.00244	.00238	.00094	.00316	.00083	.00075	.00501
%RSD	180.10	6443.7	220.56	149.57	47.568	161.79	1.1271
#1	-.00141	.00134	.00043	.00030	.00079	.00063	.44982
#2	-.00377	.00147	-.00027	-.00095	.00214	.00111	.44308
#3	.00111	-.00271	-.00143	-.00568	.00231	-.00036	.44003

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00048	.05769	.00010	.00257	-.00022	.00856
SDev	.00048	.00029	.00033	.00029	.00000	.00010
%RSD	99.586	.49997	317.19	11.459	1.3858	1.1691
#1	.00067	.05791	.00003	.00290	-.00022	.00867
#2	.00085	.05779	-.00018	.00233	-.00022	.00854
#3	-.00006	.05736	.00046	.00247	-.00021	.00848

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29887	--	--	--	--	--	--
SDev	78.67578	--	--	--	--	--	--
%RSD	.2632457	--	--	--	--	--	--
#1	29966	--	--	--	--	--	--
#2	29887	--	--	--	--	--	--
#3	29808	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLNPF Operator: RJG
Run Time: 04/09/08 21:55:22
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00136	.10186	.00085	.03076	.05412	.00035	35.269
SDev	.00051	.00191	.00073	.00040	.00014	.00001	.082
%RSD	37.385	1.8703	86.066	1.3168	.25543	3.4515	.23129
#1	-.00114	.10190	.00083	.03040	.05396	.00035	35.361
#2	-.00193	.10374	.00158	.03067	.05423	.00034	35.240
#3	-.00099	.09993	.00012	.03120	.05417	.00037	35.206
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	.00109	.00027	-.00028	-.02785	2.3316	7.9514
SDev	.00003	.00016	.00038	.00007	.00862	.0111	.0162
%RSD	34.071	14.511	142.28	25.604	30.945	.47608	.20343
#1	-.00013	.00095	.00023	-.00020	-.01792	2.3221	7.9692
#2	-.00011	.00126	-.00009	-.00031	-.03223	2.3289	7.9471
#3	-.00006	.00105	.00066	-.00034	-.03338	2.3438	7.9378
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03504	.00076	33.329	.00119	.00046	-.00008	.00010
SDev	.00006	.00005	.064	.00028	.00195	.00097	.00004
%RSD	.18328	6.4646	.19185	23.885	419.42	1256.3	41.263
#1	.03509	.00070	33.259	.00090	-.00091	.00054	.00006
#2	.03506	.00079	33.385	.00147	-.00039	.00042	.00015
#3	.03497	.00079	33.344	.00121	.00269	-.00119	.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	.00046	.00054	.00318	-.00052	.00071	3.5454
SDev	.00169	.00148	.00046	.00198	.00108	.00129	.0076
%RSD	244.72	323.16	85.574	62.377	207.12	181.65	.21558
#1	.00125	-.00040	.00015	.00301	-.00141	.00006	3.5505
#2	.00203	-.00039	.00042	.00523	.00068	.00219	3.5490

#3	-.00121	.00217	.00104	.00128	-.00083	-.00012	3.5366
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00012	.36447	-.00011	.00093	.00150	.02370	
SDev	.00059	.00033	.00013	.00047	.00038	.00004	
%RSD	477.33	.09123	110.17	50.966	25.636	.17796	
#1	-.00080	.36426	.00003	.00111	.00128	.02375	
#2	.00030	.36485	-.00019	.00129	.00127	.02370	
#3	.00012	.36429	-.00019	.00039	.00194	.02367	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29772	--	--	--	--	--	--
SDev	5.798486	--	--	--	--	--	--
%RSD	.0194762	--	--	--	--	--	--
#1	29779	--	--	--	--	--	--
#2	29770	--	--	--	--	--	--
#3	29768	--	--	--	--	--	--

Method: METTRACE Sample Name: KKLNRF Operator: RJG
Run Time: 04/09/08 22:00:55
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00138	.07563	.00020	.02962	.03903	.00037	42.302
SDev	.00058	.00473	.00155	.00084	.00011	.00011	.032
%RSD	42.217	6.2542	789.89	2.8325	.28527	30.609	.07678
#1	-.00148	.07025	-.00159	.02881	.03890	.00050	42.273
#2	-.00076	.07747	.00095	.03049	.03911	.00030	42.337
#3	-.00191	.07916	.00123	.02956	.03908	.00031	42.296
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	.00002	-.00033	-.00073	-.02962	2.2117	8.9070
SDev	.00009	.00049	.00056	.00047	.01441	.0077	.0205
%RSD	45.537	3029.5	166.53	64.870	48.666	.34796	.22994
#1	-.00031	-.00030	-.00043	-.00111	-.04469	2.2028	8.8849
#2	-.00014	.00058	.00027	-.00020	-.01597	2.2167	8.9253
#3	-.00016	-.00022	-.00084	-.00087	-.02820	2.2155	8.9108
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04696	.00100	33.283	.00078	-.00135	.00075	.00005
SDev	.00018	.00077	.211	.00053	.00348	.00185	.00075
%RSD	.38799	77.093	.63389	68.140	258.12	248.11	1562.7
#1	.04680	.00018	33.171	.00103	.00162	.00034	.00077
#2	.04716	.00170	33.152	.00115	-.00048	-.00087	-.00074
#3	.04693	.00111	33.526	.00017	-.00519	.00277	.00012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00117	-.00136	-.00052	.00227	.00096	.00140	2.7275
SDev	.00313	.00230	.00072	.00457	.00086	.00126	.0042
%RSD	267.21	169.78	139.18	201.77	89.365	90.271	.15561
#1	-.00184	.00126	.00023	.00691	.00082	.00284	2.7230
#2	.00094	-.00227	-.00120	.00212	.00019	.00083	2.7284

#3	.00440	-.00306	-.00058	-.00223	.00189	.00052	2.7313
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00049	.35451	-.00040	.00145	.00027	.01701	
SDev	.00205	.00036	.00021	.00046	.00044	.00008	
%RSD	422.84	.10267	53.433	31.773	162.99	.45581	
#1	-.00061	.35493	-.00061	.00122	.00010	.01694	
#2	.00285	.35432	-.00040	.00116	.00077	.01701	
#3	-.00079	.35428	-.00018	.00199	-.00006	.01709	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30009	--	--	--	--	--	--
SDev	140.2898	--	--	--	--	--	--
%RSD	.4674879	--	--	--	--	--	--
#1	30171	--	--	--	--	--	--
#2	29942	--	--	--	--	--	--
#3	29915	--	--	--	--	--	--

Method: METTRACE Sample Name: KKP46B Operator: RJG
Run Time: 04/09/08 22:06:27
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00064	.04677	-.00146	.00134	-.00007	.00032	.02225
SDev	.00054	.00573	.00108	.00068	.00012	.00004	.00230
%RSD	84.649	12.250	74.275	50.554	161.22	12.954	10.356
#1	-.00008	.05334	-.00097	.00159	.00005	.00028	.02136
#2	-.00116	.04411	-.00270	.00057	-.00010	.00035	.02052
#3	-.00066	.04284	-.00071	.00185	-.00017	.00034	.02487
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.00087	-.00022	-.00223	-.00840	.20004	.00163
SDev	.00012	.00039	.00026	.00064	.01029	.01023	.00301
%RSD	87.408	44.933	114.30	28.563	122.42	5.1136	184.55
#1	-.00000	.00094	.00006	-.00155	.00340	.21087	.00492
#2	-.00017	.00123	-.00043	-.00281	-.01317	.19054	-.00099
#3	-.00023	.00045	-.00031	-.00233	-.01544	.19872	.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00039	-.82505	-.00070	.00330	.00042	.00138
SDev	.00010	.00039	.10673	.00046	.00161	.00198	.00081
%RSD	60.095	99.627	12.937	65.413	48.941	470.46	58.984
#1	-.00005	.00063	-.70930	-.00054	.00164	.00265	.00232
#2	-.00024	.00061	-.91958	-.00122	.00338	-.00025	.00096
#3	-.00019	-.00006	-.84628	-.00034	.00487	-.00114	.00086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00189	.00062	-.00022	.00168	-.00092	-.00005	-.00354
SDev	.00050	.00182	.00107	.00313	.00228	.00242	.00377
%RSD	26.317	294.47	494.41	185.85	248.97	4692.5	106.47
#1	-.00141	-.00146	-.00144	.00393	.00166	.00242	.00061
#2	-.00240	.00195	.00050	-.00189	-.00269	-.00242	-.00447

#3	-.00185	.00136	.00030	.00300	-.00172	-.00015	-.00676
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00030	.00000	-.00018	.00151	.00028	.00412	
SDev	.00091	.00007	.00037	.00179	.00034	.00005	
%RSD	300.93	6186.1	202.98	118.46	120.34	1.3147	
#1	.00031	.00006	.00025	.00350	.00062	.00408	
#2	.00121	-.00007	-.00040	.00098	-.00006	.00418	
#3	-.00061	.00001	-.00040	.00005	.00028	.00410	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29787	--	--	--	--	--	--
SDev	169.8222	--	--	--	--	--	--
%RSD	.5701291	--	--	--	--	--	--
#1	29595	--	--	--	--	--	--
#2	29919	--	--	--	--	--	--
#3	29846	--	--	--	--	--	--

Method: METTRACE Sample Name: KKP46C Operator: RJG
Run Time: 04/09/08 22:12:00
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05083	2.0374	2.0155	.97383	2.0030	.05085	L.01123
SDev	.00155	.0053	.0052	.00103	.0033	.00008	.00243
%RSD	3.0582	.26199	.25575	.10529	.16657	.15342	21.653
#1	.05056	2.0322	2.0202	.97305	2.0061	.05093	L.00985
#2	.05250	2.0372	2.0163	.97346	1.9995	.05085	L.01403
#3	.04943	2.0428	2.0100	.97500	2.0035	.05077	L.00980
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	2.4000	2.4000	1.2000	2.4000	.06000	60.000
Low	.04000	1.6000	1.6000	.80000	1.6000	.04000	40.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05034	.48831	.20186	.25638	1.0046	L.19284	L.00032
SDev	.00008	.00084	.00123	.00017	.0059	.00778	.00587
%RSD	.15523	.17101	.60828	.06613	.58886	4.0366	1836.4
#1	.05033	.48777	.20158	.25640	1.0022	L.19128	L.00097
#2	.05043	.48927	.20321	.25621	1.0113	L.20128	L.00584
#3	.05028	.48788	.20081	.25655	1.0003	L.18595	L-.00584
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	60.000	60.000
Low	.04000	.40000	.16000	.20000	.80000	40.000	40.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50425	L.00021	L-1.0163	.50094	.50267	.50749	.50589
SDev	.00101	.00114	.1527	.00081	.00677	.00210	.00129
%RSD	.20115	542.73	15.020	.16152	1.3467	.41447	.25506
#1	.50468	L-.00032	L-1.1512	.50070	.50635	.50539	.50571
#2	.50497	L.00152	L-.85061	.50184	.50680	.50748	.50725
#3	.50309	L-.00057	L-1.0471	.50028	.49486	.50960	.50469
Errors	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	60.000	.60000			.60000
Low	.40000	.80000	40.000	.40000			.40000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00631	.00164	L-.00100	2.0565	2.0476	2.0505	L-.00735
SDev	.00424	.00305	.00065	.0055	.0038	.0027	.00174
%RSD	67.275	185.32	64.783	.26849	.18533	.13075	23.641
#1	-.00784	.00312	L-.00053	2.0605	2.0435	2.0492	L-.00871
#2	-.00957	.00367	L-.00074	2.0588	2.0510	2.0536	L-.00539

#3	-.00151	-.00186	L-.00174	2.0502	2.0481	2.0488	L-.00794
Errors	NOCHECK	NOCHECK	LC Low	NOCHECK	NOCHECK	LC Pass	LC Low

High			.60000			2.4000	12.000
Low			.40000			1.6000	8.0000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	L.00115	1.0414	L-.00018	1.9550	.49356	.50218	
SDev	.00139	.0022	.00021	.0134	.00237	.00114	
%RSD	120.76	.20841	118.12	.68507	.47958	.22641	
#1	L.00266	1.0433	L-.00040	1.9396	.49425	.50329	
#2	L.00085	1.0390	L.00003	1.9614	.49550	.50223	
#3	L-.00006	1.0419	L-.00018	1.9639	.49092	.50102	

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	
High	2.4000	1.2000	1.2000	2.4000	.60000	.60000	
Low	1.6000	.80000	.80000	1.6000	.40000	.40000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30060	--	--	--	--	--	--
SDev	23.76502	--	--	--	--	--	--
%RSD	.0790595	--	--	--	--	--	--
#1	30061	--	--	--	--	--	--
#2	30035	--	--	--	--	--	--
#3	30083	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNFG (6010B) Operator: RJG
Run Time: 04/09/08 22:17:33
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00061	.17645	.00073	.07612	.05147	.00033	89.052
SDev	.00090	.00405	.00133	.00127	.00016	.00003	.240
%RSD	148.36	2.2976	182.48	1.6725	.32008	8.8047	.26895
#1	-.00071	.17999	.00036	.07682	.05154	.00035	89.221
#2	.00034	.17734	.00220	.07689	.05159	.00034	89.157
#3	-.00146	.17203	-.00037	.07465	.05128	.00029	88.778
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	.00078	.00020	-.00128	.04181	10.934	11.107
SDev	.00024	.00096	.00049	.00072	.01893	.037	.035
%RSD	534.93	123.95	246.97	56.443	45.271	.33827	.31206
#1	.00006	.00068	.00029	-.00115	.03701	10.946	11.130
#2	.00013	.00179	.00064	-.00063	.06267	10.892	11.125
#3	-.00031	-.00013	-.00033	-.00205	.02575	10.963	11.067
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13749	.00585	50.515	.00002	.00115	-.00048	.00006
SDev	.00030	.00115	.121	.00042	.00147	.00082	.00029
%RSD	.22116	19.742	.23977	2426.3	127.83	169.08	491.54
#1	.13774	.00576	50.588	-.00038	.00221	-.00059	.00034
#2	.13757	.00704	50.376	.00045	-.00053	.00038	.00008
#3	.13715	.00474	50.583	-.00002	.00176	-.00124	-.00024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00031	-.00032	-.00032	.00420	.00211	.00280	3.6448
SDev	.00113	.00110	.00040	.00175	.00204	.00190	.0026
%RSD	361.38	342.27	124.13	41.590	96.748	67.815	.07122
#1	.00033	-.00127	-.00074	.00490	.00190	.00290	3.6464
#2	.00035	-.00059	-.00028	.00549	.00424	.00465	3.6418

#3	-.00162	.00089	.00005	.00221	.00018	.00086	3.6461
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00105	.24361	.00543	.00558	.00283	.00698	
SDev	.00118	.00023	.00033	.00293	.00051	.00015	
%RSD	112.02	.09489	6.1568	52.562	18.060	2.1652	
#1	-.00173	.24387	.00572	.00831	.00283	.00705	
#2	.00031	.24344	.00550	.00596	.00334	.00708	
#3	-.00173	.24351	.00507	.00248	.00232	.00680	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29421	--	--	--	--	--	--
SDev	2.007547	--	--	--	--	--	--
%RSD	.0068236	--	--	--	--	--	--
#1	29423	--	--	--	--	--	--
#2	29419	--	--	--	--	--	--
#3	29420	--	--	--	--	--	--

Method: METTRACE Sample Name: KKNFW Operator: RJG
Run Time: 04/09/08 22:23:06
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00134	1.4496	-.00019	.03853	.00018	.00009	422.27
SDev	.00073	.0006	.00074	.00003	.00005	.00003	1.16
%RSD	54.549	.03984	383.23	.08408	26.345	32.561	.27462
#1	-.00051	1.4494	-.00082	.03856	.00023	.00012	423.55
#2	-.00163	1.4503	-.00039	.03853	.00018	.00008	421.28
#3	-.00189	1.4492	.00063	.03849	.00013	.00006	421.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	.00100	-.00052	-.00188	-.01901	115.03	6.9550
SDev	.00002	.00042	.00053	.00034	.00376	.20	.0175
%RSD	14.146	41.966	101.45	18.153	19.770	.17022	.25134
#1	-.00013	.00051	.00008	-.00151	-.01471	115.01	6.9730
#2	-.00015	.00121	-.00076	-.00218	-.02069	114.85	6.9381
#3	-.00018	.00126	-.00088	-.00195	-.02163	115.24	6.9537
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00025	.05361	188.16	.00006	-.00333	.00137	-.00019
SDev	.00005	.00044	.29	.00103	.00220	.00115	.00074
%RSD	20.873	.82901	.15649	1628.8	65.879	83.691	382.34
#1	.00028	.05314	187.83	.00116	-.00082	.00084	.00029
#2	.00028	.05367	188.37	-.00006	-.00432	.00058	-.00105
#3	.00019	.05403	188.29	-.00090	-.00486	.00269	.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00153	-.00157	-.00054	-.00264	.00094	-.00026	.08089
SDev	.00398	.00028	.00150	.00208	.00120	.00090	.00364
%RSD	260.74	17.605	277.89	78.591	128.69	350.52	4.5010
#1	-.00262	-.00179	-.00206	-.00165	-.00044	-.00084	.08258
#2	.00187	-.00167	-.00049	-.00125	.00179	.00078	.07671

#3	.00533	-.00126	.00093	-.00503	.00146	-.00070	.08338
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00006	.35848	.04908	.00178	.00718	.00325	
SDev	.00099	.00033	.00023	.00159	.00009	.00003	
%RSD	1633.3	.09219	.46523	89.153	1.2280	.86749	
#1	.00031	.35880	.04934	.00303	.00727	.00328	
#2	-.00119	.35848	.04890	-.00001	.00710	.00326	
#3	.00069	.35814	.04900	.00232	.00715	.00322	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29071	--	--	--	--	--	--
SDev	109.7133	--	--	--	--	--	--
%RSD	.3773964	--	--	--	--	--	--
#1	29137	--	--	--	--	--	--
#2	29132	--	--	--	--	--	--
#3	28944	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-14 Operator: RJG
Run Time: 04/09/08 22:28:36
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0092	24.567	.51101	1.9841	2.0165	2.0388	49.390
SDev	.0006	.024	.00118	.0026	.0026	.0057	.122
%RSD	.06391	.09616	.23018	.12872	.12800	.28132	.24750
#1	1.0098	24.574	.51219	1.9870	2.0190	2.0441	49.484
#2	1.0091	24.541	.51098	1.9829	2.0138	2.0396	49.433
#3	1.0085	24.587	.50984	1.9823	2.0168	2.0327	49.252
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49858	1.9419	1.9997	2.0508	25.153	125.30	50.990
SDev	.00100	.0051	.0041	.0024	.079	.14	.137
%RSD	.20112	.26410	.20573	.11615	.31270	.11440	.26797
#1	.49963	1.9475	2.0031	2.0510	25.222	125.13	51.103
#2	.49846	1.9410	2.0008	2.0484	25.168	125.36	51.028
#3	.49764	1.9373	1.9951	2.0532	25.067	125.39	50.838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0075	2.0156	125.03	1.9666	.49092	.50161	.49805
SDev	.0037	.0094	.17	.0051	.00349	.00391	.00152
%RSD	.18210	.46413	.13444	.26127	.71069	.78016	.30485
#1	2.0109	2.0050	124.89	1.9671	.48702	.50556	.49938
#2	2.0080	2.0189	124.98	1.9714	.49201	.50156	.49838
#3	2.0036	2.0228	125.21	1.9612	.49373	.49773	.49640
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51896	.52262	.52140	.51936	.51645	.51742	1.9535
SDev	.00145	.00125	.00076	.00067	.00194	.00151	.0014
%RSD	.27904	.23921	.14490	.12823	.37523	.29267	.07149
#1	.51915	.52384	.52228	.51993	.51809	.51870	1.9534
#2	.52031	.52134	.52100	.51952	.51695	.51781	1.9549

#3	.51743	.52269	.52094	.51863	.51431	.51575	1.9521
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	2.0200	2.0839	2.0401	.98810	1.9949	1.9814	
SDev	.0049	.0032	.0037	.00770	.0041	.0030	
%RSD	.24432	.15451	.18025	.77929	.20611	.15220	
#1	2.0249	2.0862	2.0440	.97984	1.9988	1.9845	
#2	2.0201	2.0802	2.0398	.99507	1.9953	1.9812	
#3	2.0150	2.0852	2.0367	.98940	1.9906	1.9785	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29127	--	--	--	--	--	--
SDev	88.11970	--	--	--	--	--	--
%RSD	.3025374	--	--	--	--	--	--
#1	29115	--	--	--	--	--	--
#2	29045	--	--	--	--	--	--
#3	29220	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB14 Operator: RJG
Run Time: 04/09/08 22:34:06
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00097	.05377	-.00089	.00619	-.00019	.00038	.00142
SDev	.00112	.00392	.00099	.00156	.00017	.00007	.00128
%RSD	115.91	7.2971	110.88	25.199	88.072	19.102	90.682
#1	-.00097	.05275	-.00076	.00772	-.00028	.00034	.00072
#2	.00015	.05810	.00003	.00623	.00000	.00033	.00290
#3	-.00210	.05045	-.00194	.00461	-.00030	.00046	.00063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00128	-.00035	-.00264	-.00743	.22186	-.00067
SDev	.00014	.00068	.00089	.00070	.00892	.00472	.00443
%RSD	152.19	53.477	255.82	26.648	119.95	2.1293	663.94
#1	-.00015	.00081	-.00039	-.00276	-.01010	.22466	-.00100
#2	.00007	.00207	.00056	-.00188	.00251	.22452	.00392
#3	-.00020	.00097	-.00121	-.00327	-.01471	.21641	-.00492
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.00604	-.68513	-.00098	-.00062	.00061	.00020
SDev	.00009	.00267	.07037	.00067	.00251	.00144	.00073
%RSD	169.98	44.241	10.272	68.888	403.41	234.48	361.11
#1	-.00005	.00854	-.62161	-.00163	.00186	.00027	.00080
#2	.00004	.00636	-.67300	-.00029	-.00057	-.00062	-.00061
#3	-.00015	.00322	-.76078	-.00101	-.00316	.00219	.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00122	-.00264	-.00136	-.00387	.00179	-.00009	-.01655
SDev	.00093	.00120	.00051	.00274	.00091	.00053	.00432
%RSD	76.085	45.561	37.858	70.950	50.688	578.63	26.128
#1	.00055	-.00212	-.00123	-.00096	.00076	.00019	-.01545
#2	.00082	-.00179	-.00092	-.00423	.00247	.00024	-.01288

#3	.00228	-.00402	-.00193	-.00641	.00215	-.00070	-.02132
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00208	-.00009	-.00018	.00409	-.00005	.00025	
SDev	.00246	.00019	.00065	.00189	.00050	.00010	
%RSD	118.69	210.35	351.15	46.189	959.22	39.528	
#1	.00030	-.00009	-.00019	.00618	-.00005	.00029	
#2	.00489	.00010	.00046	.00357	.00045	.00032	
#3	.00103	-.00028	-.00083	.00251	-.00055	.00014	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29795	--	--	--	--	--	--
SDev	47.82628	--	--	--	--	--	--
%RSD	.1605155	--	--	--	--	--	--
#1	29797	--	--	--	--	--	--
#2	29747	--	--	--	--	--	--
#3	29843	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN26/2 Operator: RJG
Run Time: 04/09/08 22:39:37
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00096	.69189	.04562	.11224	.00510	.00004	4.7101
SDev	.00084	.00377	.00076	.00077	.00016	.00002	.0057
%RSD	88.075	.54525	1.6588	.68851	3.1975	48.809	.12090
#1	-.00188	.68838	.04605	.11180	.00493	.00006	4.7036
#2	-.00078	.69588	.04474	.11313	.00525	.00003	4.7141
#3	-.00022	.69142	.04606	.11179	.00514	.00002	4.7127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00574	-.00497	-.00010	.11018	.14326	1.6423	3.3258
SDev	.00013	.00080	.00035	.00007	.01636	.0113	.0050
%RSD	2.3301	16.013	361.82	.06712	11.420	.68896	.14952
#1	L-.00574	-.00566	-.00050	.11012	.13198	1.6495	3.3202
#2	L-.00588	-.00410	.00008	.11026	.16203	1.6481	3.3279
#3	L-.00561	-.00516	.00013	.11016	.13578	1.6292	3.3294
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01446	.05979	H1500.4	.14516	-.07398	.03605	-.00059
SDev	.00008	.00046	4.6	.00077	.00371	.00190	.00015
%RSD	.55646	.76251	.30458	.53252	5.0164	5.2830	25.448
#1	.01445	.05943	H1505.0	.14464	-.06994	.03407	-.00056
#2	.01455	.06030	H1500.3	.14479	-.07723	.03787	-.00046
#3	.01439	.05965	H1495.9	.14605	-.07478	.03620	-.00076
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03813	-.01404	.00333	.02169	.01262	.01564	S1603.7
SDev	.00347	.00091	.00131	.00268	.00272	.00098	14.4
%RSD	9.0900	6.5171	39.421	12.358	21.602	6.2965	.89813
#1	.03813	-.01298	.00404	.02348	.01019	.01462	S1616.8
#2	.04160	-.01455	.00415	.01861	.01557	.01658	S1606.0

#3	.03467	-.01458	.00182	.02299	.01209	.01572	S1588.3
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.04495	.11346	.00063	-.00673	.00081	.01846	
SDev	.00237	.00029	.00048	.00227	.00166	.00007	
%RSD	5.2793	.25269	75.937	33.710	205.07	.37621	
#1	.04342	.11368	.00025	-.00714	-.00107	.01839	
#2	.04374	.11314	.00116	-.00877	.00141	.01846	
#3	.04768	.11357	.00047	-.00429	.00209	.01853	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	28200	--	--	--	--	--	--
SDev	240.8039	--	--	--	--	--	--
%RSD	.8539160	--	--	--	--	--	--
#1	27984	--	--	--	--	--	--
#2	28156	--	--	--	--	--	--
#3	28460	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN26P10 Operator: RJG
Run Time: 04/09/08 22:48:43
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00084	.17648	.00844	.02306	.00082	.00034	1.0263
SDev	.00061	.00101	.00081	.00066	.00004	.00004	.0080
%RSD	72.253	.57115	9.5983	2.8782	5.1651	12.148	.77765
#1	-.00124	.17562	.00757	.02239	.00077	.00033	1.0192
#2	-.00014	.17759	.00917	.02372	.00084	.00030	1.0349
#3	-.00114	.17623	.00857	.02306	.00085	.00038	1.0247

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00142	-.00168	-.00029	.01924	.01991	.39646	.68947
SDev	.00016	.00018	.00044	.00020	.00546	.00656	.00495
%RSD	11.515	10.424	153.71	1.0547	27.414	1.6548	.71836
#1	-.00160	-.00173	-.00073	.01904	.01424	.39198	.68417
#2	-.00129	-.00149	.00015	.01944	.02513	.40399	.69398
#3	-.00136	-.00183	-.00029	.01923	.02037	.39340	.69024

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00293	.01160	287.53	.02815	-.01435	.00641	-.00050
SDev	.00005	.00042	.04	.00044	.00124	.00099	.00033
%RSD	1.8309	3.6430	.01385	1.5469	8.6328	15.375	65.128
#1	.00288	.01125	287.54	.02765	-.01557	.00705	-.00048
#2	.00299	.01207	287.57	.02834	-.01309	.00528	-.00084
#3	.00292	.01147	287.49	.02845	-.01439	.00691	-.00019

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00695	-.00225	.00081	.00494	.00226	.00315	233.79
SDev	.00100	.00043	.00061	.00479	.00084	.00104	1.28
%RSD	14.443	19.142	75.095	96.941	36.956	32.947	.54806
#1	.00783	-.00178	.00142	.00155	.00283	.00240	232.36
#2	.00586	-.00262	.00020	.01042	.00130	.00434	234.17
#3	.00716	-.00236	.00081	.00285	.00265	.00272	234.83

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00856	.02310	-.00033	-.00127	.00029	.00618
SDev	.00072	.00016	.00025	.00209	.00029	.00004
%RSD	8.4334	.71527	76.279	164.76	101.12	.66043
#1	.00782	.02294	-.00019	-.00360	.00012	.00616
#2	.00859	.02327	-.00062	.00042	.00063	.00616
#3	.00927	.02309	-.00018	-.00062	.00012	.00623

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29744	--	--	--	--	--	--
SDev	102.5889	--	--	--	--	--	--
%RSD	.3449103	--	--	--	--	--	--
#1	29760	--	--	--	--	--	--
#2	29634	--	--	--	--	--	--
#3	29837	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN26S/2 Operator: RJG
Run Time: 04/09/08 22:56:37
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02575	1.6491	1.0820	.59717	.98721	.02615	4.7633
SDev	.00095	.0117	.0015	.00161	.00369	.00007	.0247
%RSD	3.6846	.70931	.13440	.26994	.37334	.26173	.51830
#1	.02559	1.6529	1.0831	.59541	.99049	.02616	4.7650
#2	.02677	1.6583	1.0826	.59857	.98794	.02608	4.7872
#3	.02489	1.6359	1.0804	.59754	.98322	.02621	4.7379
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02243	.24320	.10053	.24314	.64362	1.6148	3.4070
SDev	.00044	.00217	.00096	.00098	.01028	.0162	.0213
%RSD	1.9483	.89264	.95371	.40295	1.5974	1.0062	.62449
#1	.02208	.24244	.09985	.24323	.63757	1.6279	3.4086
#2	.02292	.24564	.10163	.24407	.65549	1.6199	3.4274
#3	.02230	.24151	.10011	.24212	.63780	1.5967	3.3849
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.27212	.05762	H1479.9	.38982	.19571	.28899	.25793
SDev	.00097	.00136	11.0	.00137	.03321	.00860	.00557
%RSD	.35649	2.3543	.73995	.35094	16.972	2.9753	2.1596
#1	.27222	.05620	H1491.4	.38937	.15782	.29828	.25150
#2	.27304	.05891	H1478.8	.39136	.20951	.28738	.26145
#3	.27110	.05774	H1469.6	.38873	.21979	.28131	.26082
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02401	-.01321	-.00082	1.0356	1.0199	1.0252	S1581.9
SDev	.01286	.00707	.00123	.0063	.0092	.0040	1.9
%RSD	53.557	53.544	150.86	.60943	.89969	.39368	.11938
#1	.03885	-.02104	-.00110	1.0285	1.0300	1.0295	S1582.7
#2	.01700	-.01131	-.00189	1.0377	1.0179	1.0245	S1583.2

#3	.01617	-.00728	.00053	1.0406	1.0120	1.0215	S1579.7
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.02461	.61821	.00069	.96403	.24877	.28097	
SDev	.00986	.00228	.00022	.00439	.00081	.00107	
%RSD	40.062	.36898	32.063	.45566	.32595	.38132	
#1	.01393	.62066	.00047	.96204	.24904	.28138	
#2	.03337	.61783	.00069	.96906	.24940	.28178	
#3	.02651	.61614	.00091	.96098	.24786	.27975	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	28900	--	--	--	--	--	--
SDev	49.55318	--	--	--	--	--	--
%RSD	.1714655	--	--	--	--	--	--
#1	28854	--	--	--	--	--	--
#2	28893	--	--	--	--	--	--
#3	28953	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN26D/2 Operator: RJG
Run Time: 04/09/08 23:05:43
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02467	1.5738	1.0289	.56690	.93968	.02529	4.7255
SDev	.00021	.0427	.0194	.00835	.02182	.00037	.0911
%RSD	.84916	2.7137	1.8839	1.4734	2.3224	1.4685	1.9273
#1	.02483	1.6189	1.0498	.57616	.96343	.02572	4.8163
#2	.02475	1.5687	1.0254	.56462	.93510	.02514	4.7259
#3	.02443	1.5339	1.0115	.55992	.92052	.02502	4.6341
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01942	.23185	.09496	.23345	.60017	1.5485	3.3632
SDev	.00212	.00247	.00081	.00535	.02484	.0766	.0667
%RSD	10.907	1.0669	.84826	2.2936	4.1387	4.9438	1.9834
#1	.02031	.23463	.09478	.23905	.62874	1.6259	3.4337
#2	.01701	.22989	.09584	.23291	.58369	1.5469	3.3551
#3	.02096	.23104	.09425	.22839	.58809	1.4728	3.3010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25920	.05391	H1432.1	.37463	.15772	.27740	.23754
SDev	.00515	.00284	34.7	.00605	.22167	.06467	.03076
%RSD	1.9859	5.2722	2.4264	1.6135	140.55	23.314	12.950
#1	.26415	.05064	H1467.9	.37747	-.08249	.34844	.20494
#2	.25958	.05579	H1429.9	.37874	.35440	.22195	.26605
#3	.25387	.05529	H1398.5	.36769	.20126	.26180	.24164
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03374	-.01582	.00068	.98263	.96792	.97282	S1543.0
SDev	.08371	.05721	.01054	.01577	.05608	.03355	45.9
%RSD	248.11	361.57	1547.1	1.6047	5.7942	3.4490	2.9778
#1	.12613	-.07745	-.00966	.97256	1.0300	1.0109	S1584.6
#2	-.03706	.03560	.01141	1.0008	.92096	.94755	S1550.8

#3	.01214	-.00562	.00030	.97452	.95278	.96002	S1493.7
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.00186	.59501	.00039	.90399	.23578	.27107	
SDev	.03946	.01522	.00012	.01627	.00398	.00501	
%RSD	2118.3	2.5575	31.820	1.7996	1.6892	1.8487	
#1	-.04718	.61179	.00025	.91830	.24007	.27641	
#2	.02491	.59113	.00047	.88629	.23507	.27033	
#3	.01668	.58211	.00046	.90737	.23220	.26647	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29512	--	--	--	--	--	--
SDev	1037.940	--	--	--	--	--	--
%RSD	3.517005	--	--	--	--	--	--
#1	28610	--	--	--	--	--	--
#2	29280	--	--	--	--	--	--
#3	30646	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN27/2 Operator: RJG
Run Time: 04/09/08 23:14:49
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00043	.45235	.02137	.07182	.01277	.00021	23.551
SDev	.00059	.00364	.00087	.00069	.00021	.00004	.118
%RSD	137.32	.80515	4.0826	.96739	1.6810	17.565	.49892
#1	-.00045	.45641	.02163	.07215	.01275	.00020	23.672
#2	.00017	.44936	.02209	.07229	.01299	.00017	23.543
#3	-.00100	.45127	.02040	.07102	.01256	.00025	23.438
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00296	-.00162	.00043	.04547	.35329	2.5566	19.861
SDev	.00025	.00031	.00076	.00074	.01204	.0118	.100
%RSD	8.5949	18.969	173.94	1.6267	3.4069	.46117	.50097
#1	-.00290	-.00131	.00044	.04616	.36633	2.5701	19.959
#2	-.00275	-.00162	.00119	.04555	.35093	2.5484	19.865
#3	-.00324	-.00192	-.00032	.04469	.34261	2.5513	19.760
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01992	.02561	H617.07	.06395	-.04042	.01681	-.00225
SDev	.00015	.00087	1.87	.00023	.00186	.00109	.00058
%RSD	.74567	3.3866	.30233	.35770	4.6003	6.4718	25.745
#1	.01997	.02656	H618.74	.06369	-.04126	.01801	-.00173
#2	.02004	.02541	H615.05	.06414	-.03829	.01589	-.00215
#3	.01975	.02487	H617.41	.06401	-.04171	.01652	-.00287
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01759	-.00721	.00105	.01488	.00708	.00968	S1234.5
SDev	.00347	.00102	.00053	.00302	.00186	.00097	583.9
%RSD	19.742	14.126	50.898	20.293	26.266	10.078	47.303
#1	.01896	-.00789	.00105	.01186	.00909	.01001	S1572.7
#2	.01364	-.00604	.00051	.01489	.00543	.00858	S1570.5

#3	.02017	-.00770	.00158	.01790	.00672	.01044	H560.19
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.02363	.34214	.00172	-.00155	.00407	.01401	
SDev	.00170	.00062	.00013	.00258	.00071	.00023	
%RSD	7.1808	.18007	7.4052	166.71	17.398	1.6602	
#1	.02257	.34278	.00157	-.00153	.00465	.01411	
#2	.02273	.34155	.00179	.00102	.00430	.01418	
#3	.02558	.34208	.00179	-.00414	.00328	.01375	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29179	--	--	--	--	--	--
SDev	31.31173	--	--	--	--	--	--
%RSD	.1073077	--	--	--	--	--	--
#1	29175	--	--	--	--	--	--
#2	29213	--	--	--	--	--	--
#3	29150	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN26/5 Operator: RJG
Run Time: 04/09/08 23:23:55
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00099	.29658	.01664	.04465	.00184	.00027	1.9137
SDev	.00025	.00265	.00068	.00115	.00017	.00003	.0114
%RSD	25.536	.89407	4.0773	2.5684	9.2165	12.200	.59420
#1	-.00109	.29921	.01679	.04432	.00197	.00028	1.9246
#2	-.00070	.29663	.01724	.04593	.00191	.00023	1.9145
#3	-.00117	.29391	.01590	.04371	.00165	.00029	1.9019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00220	-.00247	-.00018	.03985	.04746	.63740	1.3404
SDev	.00005	.00032	.00017	.00022	.01139	.00735	.0090
%RSD	2.2153	12.819	94.938	.56161	23.999	1.1528	.67057
#1	-.00216	-.00215	.00000	.03970	.05449	.63863	1.3463
#2	-.00225	-.00247	-.00021	.04011	.05356	.64405	1.3449
#3	-.00218	-.00278	-.00034	.03974	.03432	.62951	1.3301
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00567	.02285	H544.10	.05708	-.03051	.01409	-.00076
SDev	.00009	.00046	.95	.00043	.00151	.00074	.00039
%RSD	1.5018	2.0150	.17481	.75617	4.9438	5.2403	51.628
#1	.00575	.02276	H544.34	.05744	-.03211	.01439	-.00110
#2	.00568	.02244	H543.05	.05721	-.03031	.01464	-.00033
#3	.00558	.02334	H544.90	.05660	-.02912	.01325	-.00086
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01480	-.00647	.00061	.00841	.00481	.00601	S821.26
SDev	.00125	.00124	.00106	.00515	.00073	.00127	648.62
%RSD	8.4279	19.173	174.00	61.250	15.177	21.075	78.979
#1	.01386	-.00784	-.00061	.00264	.00551	.00456	H447.26
#2	.01621	-.00618	.00128	.01004	.00486	.00659	H446.29

#3	.01432	-.00541	.00116	.01255	.00406	.00688	S1570.2
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01873	.04468	.00003	.00035	-.00015	.00924	
SDev	.00163	.00012	.00038	.00253	.00009	.00011	
%RSD	8.7311	.26467	1385.0	730.44	63.870	1.1692	
#1	.02035	.04482	.00025	-.00013	-.00020	.00934	
#2	.01709	.04460	.00025	.00308	-.00020	.00926	
#3	.01874	.04462	-.00041	-.00191	-.00004	.00912	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29333	--	--	--	--	--	--
SDev	62.15147	--	--	--	--	--	--
%RSD	.2118853	--	--	--	--	--	--
#1	29400	--	--	--	--	--	--
#2	29278	--	--	--	--	--	--
#3	29319	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN26P25 Operator: RJG
Run Time: 04/09/08 23:31:50
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00106	.09756	.00358	.01012	.00040	.00038	.45763
SDev	.00028	.00424	.00098	.00048	.00011	.00004	.00364
%RSD	26.370	4.3484	27.422	4.7318	28.464	9.5872	.79493
#1	-.00074	.10134	.00314	.01046	.00047	.00037	.46181
#2	-.00123	.09297	.00470	.00957	.00027	.00035	.45589
#3	-.00121	.09838	.00289	.01032	.00045	.00042	.45520

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00053	-.00025	-.00033	.00598	.00585	.26123	.27366
SDev	.00007	.00038	.00021	.00009	.00630	.00761	.00190
%RSD	13.457	151.34	63.120	1.4434	107.67	2.9121	.69481
#1	-.00047	.00010	-.00018	.00597	.01001	.26840	.27584
#2	-.00051	-.00065	-.00024	.00589	-.00139	.25325	.27233
#3	-.00061	-.00020	-.00056	.00607	.00892	.26203	.27282

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00122	.00443	109.32	.01089	-.00697	.00283	-.00043
SDev	.00000	.00051	.15	.00064	.00182	.00092	.00011
%RSD	.34409	11.498	.14005	5.8340	26.152	32.551	24.374
#1	.00122	.00495	109.48	.01104	-.00870	.00360	-.00050
#2	.00121	.00394	109.29	.01020	-.00507	.00181	-.00048
#3	.00122	.00439	109.18	.01144	-.00713	.00309	-.00031

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00361	-.00215	-.00023	.00252	.00207	.00222	93.015
SDev	.00153	.00214	.00112	.00175	.00182	.00079	.321
%RSD	42.462	99.738	492.29	69.483	87.829	35.458	.34467
#1	.00473	-.00460	-.00149	.00086	.00288	.00221	92.674
#2	.00186	-.00068	.00017	.00435	-.00001	.00144	93.310
#3	.00425	-.00115	.00064	.00235	.00335	.00302	93.062

Elem	SN	SR	TI	TL	V_	ZN
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00370	.00925	-.00025	.00051	.00011	.00668
SDev	.00065	.00006	.00033	.00133	.00029	.00009
%RSD	17.543	.61717	128.89	260.32	250.07	1.3426
#1	.00376	.00931	.00003	.00030	.00045	.00666
#2	.00302	.00921	-.00061	.00194	-.00005	.00677
#3	.00432	.00922	-.00018	-.00070	-.00005	.00659

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30002	--	--	--	--	--	--
SDev	81.22545	--	--	--	--	--	--
%RSD	.2707312	--	--	--	--	--	--
#1	30013	--	--	--	--	--	--
#2	30078	--	--	--	--	--	--
#3	29916	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN26S/5 Operator: RJG
Run Time: 04/09/08 23:38:34
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00963	.69131	.43443	.23724	.39861	.01070	2.0021
SDev	.00036	.00565	.00215	.00113	.00061	.00006	.0066
%RSD	3.7456	.81746	.49371	.47523	.15340	.53130	.32824
#1	.00993	.68860	.43291	.23597	.39823	.01067	2.0032
#2	.00972	.69780	.43349	.23761	.39931	.01076	2.0081
#3	.00923	.68753	.43688	.23814	.39828	.01066	1.9951
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00901	.10015	.04068	.09428	.26092	.65994	1.4050
SDev	.00014	.00031	.00040	.00006	.00502	.00586	.0057
%RSD	1.5108	.30731	.99109	.05935	1.9258	.88824	.40812
#1	.00897	.10019	.04096	.09431	.25580	.66253	1.4037
#2	.00889	.10044	.04087	.09422	.26584	.66405	1.4112
#3	.00916	.09983	.04022	.09432	.26113	.65322	1.3999
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10953	.02342	H562.51	.15781	.08353	.11684	.10575
SDev	.00026	.00025	1.84	.00118	.00230	.00081	.00047
%RSD	.23682	1.0828	.32635	.74508	2.7541	.69410	.44887
#1	.10953	.02322	H562.70	.15898	.08617	.11604	.10609
#2	.10979	.02333	H564.24	.15663	.08248	.11766	.10595
#3	.10927	.02371	H560.58	.15781	.08194	.11682	.10521
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00805	-.00476	-.00050	.41942	.41354	.41550	H296.51
SDev	.00200	.00274	.00123	.00296	.00124	.00128	.50
%RSD	24.782	57.449	248.01	.70656	.30077	.30723	.17023
#1	.00637	-.00340	-.00014	.42142	.41236	.41538	H296.51
#2	.00753	-.00298	.00052	.42083	.41484	.41684	H297.02

#3	.01026	-.00791	-.00186	.41602	.41343	.41429	H296.01
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01160	.25053	.00017	.38567	.10020	.11345	
SDev	.00043	.00055	.00013	.00543	.00046	.00011	
%RSD	3.7114	.22017	72.765	1.4066	.45728	.09447	
#1	.01183	.25021	.00003	.37968	.10009	.11356	
#2	.01110	.25117	.00025	.38711	.10071	.11335	
#3	.01186	.25022	.00025	.39024	.09981	.11343	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29331	--	--	--	--	--	--
SDev	33.17754	--	--	--	--	--	--
%RSD	.1131133	--	--	--	--	--	--
#1	29364	--	--	--	--	--	--
#2	29333	--	--	--	--	--	--
#3	29297	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN26D/5 Operator: RJG
Run Time: 04/09/08 23:46:29
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00942	.68693	.42488	.23603	.38948	.01046	2.7272
SDev	.00036	.00795	.00202	.00212	.00323	.00006	.0270
%RSD	3.7736	1.1576	.47506	.89722	.83020	.54566	.98942
#1	.00914	.67818	.42288	.23359	.38711	.01044	2.6999
#2	.00930	.69372	.42692	.23714	.39317	.01052	2.7538
#3	.00982	.68890	.42483	.23737	.38817	.01042	2.7278
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00889	.09752	.03993	.09372	.24860	.67727	1.4261
SDev	.00016	.00096	.00062	.00097	.00580	.00303	.0175
%RSD	1.7845	.98265	1.5588	1.0314	2.3331	.44784	1.2305
#1	.00871	.09652	.03923	.09284	.24362	.67408	1.4066
#2	.00899	.09843	.04041	.09475	.24721	.67763	1.4406
#3	.00897	.09762	.04016	.09356	.25496	.68011	1.4311
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10744	.02379	H568.75	.15547	.08670	.11197	.10356
SDev	.00106	.00050	3.42	.00170	.00163	.00094	.00080
%RSD	.98761	2.1104	.60195	1.0921	1.8755	.84427	.77462
#1	.10641	.02322	H567.36	.15366	.08614	.11096	.10269
#2	.10853	.02397	H572.65	.15703	.08854	.11213	.10427
#3	.10738	.02417	H566.25	.15572	.08544	.11283	.10371
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00378	-.00233	-.00030	.41225	.40249	.40574	H272.58
SDev	.00146	.00080	.00100	.00147	.00488	.00317	1.23
%RSD	38.744	34.373	334.45	.35787	1.2131	.78091	.44984
#1	.00384	-.00190	.00001	.41230	.39699	.40209	H271.29
#2	.00228	-.00326	-.00141	.41370	.40415	.40733	H273.74

#3	.00521	-.00184	.00051	.41075	.40632	.40780	H272.70
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01133	.24672	-.00005	.37809	.09681	.11944	
SDev	.00204	.00252	.00025	.00534	.00061	.00105	
%RSD	18.010	1.0227	560.22	1.4120	.63316	.88142	
#1	.00997	.24495	-.00019	.37193	.09619	.11848	
#2	.01368	.24961	-.00019	.38100	.09681	.12056	
#3	.01035	.24560	.00025	.38134	.09742	.11926	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29368	--	--	--	--	--	--
SDev	14.70779	--	--	--	--	--	--
%RSD	.0500806	--	--	--	--	--	--
#1	29366	--	--	--	--	--	--
#2	29384	--	--	--	--	--	--
#3	29355	--	--	--	--	--	--

Method: METTRACE Sample Name: KKN27/5 Operator: RJG
Run Time: 04/09/08 23:54:25
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00093	.21011	.00804	.02920	.00498	.00038	9.4648
SDev	.00043	.00251	.00088	.00047	.00008	.00004	.0429
%RSD	45.943	1.1944	10.986	1.6075	1.5767	9.4653	.45300
#1	-.00044	.21297	.00898	.02904	.00507	.00034	9.4624
#2	-.00115	.20913	.00792	.02972	.00494	.00041	9.5088
#3	-.00121	.20824	.00723	.02883	.00492	.00039	9.4231
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.0000	500.00	10.000	30.000	10.000	10.000	600.00
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00134	-.00089	-.00024	.01617	.12816	.97635	8.0203
SDev	.00005	.00016	.00035	.00016	.01124	.01812	.0435
%RSD	3.8447	17.770	147.75	.98909	8.7720	1.8558	.54283
#1	-.00132	-.00071	.00013	.01634	.13240	.99032	8.0199
#2	-.00140	-.00100	-.00027	.01614	.11542	.98286	8.0640
#3	-.00130	-.00097	-.00057	.01602	.13667	.95588	7.9769
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	400.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00792	.00943	241.22	.02407	-.01543	.00598	-.00115
SDev	.00005	.00019	2.47	.00061	.00303	.00169	.00050
%RSD	.65645	2.0673	1.0243	2.5217	19.638	28.196	43.322
#1	.00791	.00949	240.82	.02452	-.01556	.00518	-.00173
#2	.00798	.00921	243.86	.02430	-.01234	.00484	-.00088
#3	.00788	.00959	238.97	.02338	-.01840	.00791	-.00085
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	400.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00464	-.00302	-.00047	.00652	.00320	.00431	H230.60
SDev	.00337	.00143	.00105	.00106	.00167	.00076	1.62
%RSD	72.754	47.442	222.07	16.329	52.069	17.607	.70293
#1	.00728	-.00253	.00073	.00658	.00314	.00429	H229.65
#2	.00084	-.00190	-.00099	.00755	.00157	.00356	H232.47

#3	.00580	-.00464	-.00116	.00542	.00490	.00507	H229.68
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High

High			5.0000			10.000	50.000
Low			-.01000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.00829	.13688	.00090	-.00113	.00015	.00686	
SDev	.00177	.00098	.00038	.00204	.00033	.00013	
%RSD	21.339	.71927	41.759	180.67	217.23	1.8987	
#1	.00974	.13665	.00112	-.00193	.00015	.00694	
#2	.00880	.13796	.00047	-.00265	.00049	.00693	
#3	.00632	.13603	.00111	.00119	-.00018	.00671	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	30.000	10.000	30.000	10.000	50.000	10.000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29660	--	--	--	--	--	--
SDev	232.7950	--	--	--	--	--	--
%RSD	.7848668	--	--	--	--	--	--
#1	29492	--	--	--	--	--	--
#2	29563	--	--	--	--	--	--
#3	29926	--	--	--	--	--	--

Method: METTRACE Sample Name: CCV1-15 Operator: RJG
Run Time: 04/09/08 23:59:58
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0031	24.175	.52065	2.0014	2.0100	2.0681	49.679
SDev	.0026	.084	.00162	.0076	.0050	.0079	.213
%RSD	.26317	.34638	.31205	.38158	.24660	.38382	.42908
#1	1.0059	24.249	.52214	1.9931	2.0152	2.0758	49.890
#2	1.0026	24.191	.52090	2.0031	2.0095	2.0686	49.682
#3	1.0007	24.084	.51891	2.0081	2.0054	2.0600	49.464
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	27.500	.55000	2.2000	2.2000	2.2000	55.000
Low	.90000	22.500	.45000	1.8000	1.8000	1.8000	45.000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50748	1.9624	2.0123	2.0471	25.295	122.04	51.483
SDev	.00231	.0071	.0070	.0053	.103	.19	.228
%RSD	.45412	.36253	.34989	.25815	.40743	.15692	.44281
#1	.50965	1.9693	2.0190	2.0522	25.404	122.26	51.701
#2	.50771	1.9628	2.0129	2.0474	25.284	121.93	51.502
#3	.50506	1.9551	2.0049	2.0416	25.198	121.93	51.246
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	2.2000	2.2000	2.2000	27.500	137.50	55.000
Low	.45000	1.8000	1.8000	1.8000	22.500	112.50	45.000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0244	2.0414	120.90	1.9913	.49364	.50620	.50202
SDev	.0075	.0051	.19	.0093	.00215	.00298	.00159
%RSD	.37154	.24790	.15956	.46535	.43643	.58962	.31678
#1	2.0316	2.0356	121.08	1.9991	.49122	.50907	.50313
#2	2.0249	2.0451	120.91	1.9937	.49535	.50641	.50273
#3	2.0166	2.0434	120.70	1.9810	.49435	.50311	.50019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.2000	2.2000	137.50	2.2000			.55000
Low	1.8000	1.8000	112.50	1.8000			.45000

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52377	.52518	.52471	.52961	.52851	.52888	H2.5591
SDev	.00450	.00389	.00163	.00170	.00315	.00166	.1262
%RSD	.85951	.74051	.31134	.32088	.59532	.31340	4.9296
#1	.52868	.52088	.52348	.52808	.52962	.52911	H2.6889
#2	.52280	.52845	.52657	.52932	.53095	.53041	H2.5513

#3	.51984	.52622	.52410	.53144	.52496	.52711	H2.4370
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High

High			.55000			.55000	2.2000
Low			.45000			.45000	1.8000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	2.0317	2.0862	2.0477	.99304	1.9999	1.9965	
SDev	.0040	.0060	.0067	.00482	.0042	.0068	
%RSD	.19786	.28735	.32625	.48541	.20914	.34121	
#1	2.0290	2.0917	2.0544	.98752	2.0044	2.0034	
#2	2.0363	2.0869	2.0477	.99642	1.9992	1.9963	
#3	2.0298	2.0798	2.0410	.99517	1.9961	1.9898	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	2.2000	2.2000	2.2000	1.1000	2.2000	2.2000	
Low	1.8000	1.8000	1.8000	.90000	1.8000	1.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	29369	--	--	--	--	--	--
SDev	15.57469	--	--	--	--	--	--
%RSD	.0530308	--	--	--	--	--	--
#1	29361	--	--	--	--	--	--
#2	29360	--	--	--	--	--	--
#3	29387	--	--	--	--	--	--

Method: METTRACE Sample Name: CCB15 Operator: RJG
Run Time: 04/10/08 00:05:32
Comment: TESTAMERICA PITTSBURGH ICP METALS ANALYSIS-INST TRACEICP
Mode: CONC Corr. Factor: 1

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00041	.05337	-.00031	.02814	-.00007	.00039	-.00455
SDev	.00064	.00403	.00088	.00598	.00021	.00005	.00065
%RSD	157.57	7.5488	287.52	21.240	325.79	11.712	14.379
#1	-.00064	.04995	.00055	.03434	-.00024	.00043	-.00447
#2	.00032	.05781	-.00026	.02767	.00017	.00034	-.00393
#3	-.00089	.05235	-.00121	.02241	-.00013	.00040	-.00523
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.20000	.20000	.00400	5.0000
Low	-.00500	-.20000	-.01000	-.20000	-.20000	-.00400	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00078	.00002	-.00233	-.00098	.22038	-.00034
SDev	.00018	.00040	.00032	.00029	.00725	.00935	.00297
%RSD	201.28	51.079	1627.6	12.440	742.13	4.2440	886.56
#1	-.00018	.00053	-.00008	-.00230	-.00848	.23059	-.00099
#2	.00012	.00125	.00037	-.00206	.00599	.21833	.00291
#3	-.00021	.00057	-.00024	-.00263	-.00044	.21222	-.00293
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.05000	.00500	.02500	.10000	5.0000	5.0000
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00006	.00634	-.33116	-.00132	.00019	-.00085	-.00050
SDev	.00003	.00310	.04150	.00031	.00178	.00022	.00068
%RSD	39.791	48.896	12.531	23.299	927.06	25.916	134.97
#1	.00003	.00948	-.30578	-.00132	.00189	-.00087	.00005
#2	.00008	.00628	-.30864	-.00101	-.00166	-.00106	-.00126
#3	.00008	.00328	-.37904	-.00163	.00035	-.00062	-.00030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01500	.04000	5.0000	.04000			.00300
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	-.00010	-.00011	-.00022	.00074	.00042	.33907
SDev	.00053	.00021	.00025	.00142	.00153	.00130	.04333
%RSD	455.22	208.63	230.43	659.75	205.93	307.82	12.780
#1	.00011	.00014	.00013	-.00054	-.00096	-.00082	.35119
#2	.00026	-.00026	-.00009	-.00145	.00120	.00031	.29097

#3	-.00072	-.00018	-.00036	.00134	.00199	.00177	.37505
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass

High			.06000			.00500	.50000
Low			-.06000			-.00500	-.50000

Elem	SN	SR	TI	TL	V_	ZN	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.01344	-.00001	.00032	.00312	.00050	.00005	
SDev	.00148	.00009	.00012	.00033	.00048	.00011	
%RSD	11.029	985.26	38.815	10.701	95.695	216.64	
#1	.01450	-.00007	.00025	.00347	.00077	-.00005	
#2	.01409	.00009	.00046	.00308	.00077	.00004	
#3	.01175	-.00005	.00025	.00280	-.00005	.00016	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	.10000	.05000	.05000	.01000	.05000	.02000	
Low	-.10000	-.05000	-.05000	-.01000	-.05000	-.02000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	30033	--	--	--	--	--	--
SDev	43.76283	--	--	--	--	--	--
%RSD	.1457175	--	--	--	--	--	--
#1	29989	--	--	--	--	--	--
#2	30076	--	--	--	--	--	--
#3	30033	--	--	--	--	--	--

TestAmerica Pittsburgh *Metals Preparation Log*

Batch No. 8086241

v1.0.5 - Last Revised 12/30/2005

Method 3010A	**Matrix** Water	**Start Time** -1045	**SDG** -
Analyst Derek Thomas	**Date** -03-26-08	**Lot Numbers**	
MS STLPA-MS-B		C8C220144	
Lab Lot # -met 1520-08			
Analyst Sign: Derek Thomas			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
KJ290	50mL	50mL	
KJ293			
KJ297			
KJ299			
KJ29C			
KJ29W			
KJ3AD			
KJ3AG			
KJ3AJ			
KJ3AM			
KJ3AQ			DT 3-26-08
KJ3AQ S			+0.5mL MS-B
KJ3AQ D			
KJ3AR			
KJ7RQ B	50mL DI H_2O		DT 3-26-08
KJ7RQ C			+0.5mL MS-B
			DT 3-26-08

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis

Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents: 3 mL Conc.HNO3, 6623E50037, Mallinckrodt

5 mL 1:1 HCl, MET 1239-08, Standards Log

Hot Plate/Block Temp	Correction Factor
#2 95°C	-0.4°C

Minimum digestion times have been met (analyst initials): DT

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
All Above	3-26-08	15:00		DT	PR	3-26-08	15:05		DT	DB
All Above	4900	0765	RG	METOB	DB	4900	1520	RG	METOB	DB

	Lot Number	Manufacturer	Pipet #: J0450H
Initial Digestion Vessel:	A710LS204	Environmental Express	**Balance #:** n/a
Final Digestion Vessel:	n/a	n/a	Printed on: 26-Mar-08 2:36:30 PM
Filter Paper:	n/a	n/a	

Reviewed By: DLA **Date:** 3/26/08 MET-96-8086241

REQUESTED BY: **MAYOD**

METHOD: QM Inductively Coupled Plasma (6010B Trace)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
7C,CLP1	KJ29C	___ ___ ___	440386	061874	I-05-QM	C8C220144	001		WATER	0	4 1
7C,CLP1	KJ29W	___ ___ ___	440387	061874	I-05-QM	C8C220144	002		WATER	0	4 1
7C,CLP1	KJ290	___ ___ ___	440388	061874	I-05-QM	C8C220144	003		WATER	0	4 1
7C,CLP1	KJ293	___ ___ ___	440389	061874	I-05-QM	C8C220144	004		WATER	0	4 1
7C,CLP1	KJ297	___ ___ ___	440390	061874	I-05-QM	C8C220144	005		WATER	0	4 1
7C,CLP1	KJ299	___ ___ ___	440391	061874	I-05-QM	C8C220144	006		WATER	0	4 1
7C,CLP1	KJ3AD	___ ___ ___	440392	061874	I-05-QM	C8C220144	007		WATER	0	4 1
7C,CLP1	KJ3AG	___ ___ ___	440393	061874	I-05-QM	C8C220144	008		WATER	0	4 1
7C,CLP1	KJ3AJ	___ ___ ___	440394	061874	I-05-QM	C8C220144	009		WATER	0	4 1
7C,CLP1	KJ3AM	___ ___ ___	440395	061874	I-05-QM	C8C220144	011		WATER	0	4 1
7C,CLP1	KJ3AQ	___ ___ ___	440396	061874	I-05-QM	C8C220144	012		WATER	0	12 1
7C,CLP1	KJ3AR	___ ___ ___	440397	061874	I-05-QM	C8C220144	013		WATER	0	4 1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
[signature]	Derek Thomas	3-26-08 08:30
Derek Thomas	[signature]	3-26-08 13:30

***** END OF REPORT *****