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October 4, 2006

Mr. David P. Locey
New York State Department of Environmental Conservation
Region 9
270 Michigan Ave
Buffalo, New York 14203-2999

**Re: 2006 Annual Report
Buffalo Outer Harbor Site - Radio Tower Area
NYSDEC Site No. 915026
Eric County
Buffalo, New York**

Dear Mr. Locey:

On behalf of Honeywell International Inc. ("Honeywell"), MACTEC Engineering and Consulting, Inc. ("MACTEC") has prepared this Annual Report to document groundwater monitoring activities completed at the referenced site between September 2005 and June 2006.

Background

The Outer Harbor site is a 110-acre site located approximately 1 mile south of downtown Buffalo, New York. The Radio Tower Area is a portion of the Outer Harbor site where land disposal and fill placement formerly occurred. A Record of Decision ("ROD") was issued by the New York State Department of Environmental Conservation ("NYSDEC") for the entire Outer Harbor site in March 2002.

Remedial action at the Radio Tower Area consisted of stabilization and in-place capping of the waste/fill material. Institutional controls consisting of land use covenants and restrictions were also implemented. The site remediation activities were documented in a Remedial Action Completion Report (August 17, 2005), which was approved by NYSDEC in a letter dated November 22, 2005. The capped area is vegetated. There are six groundwater monitoring wells (GW-18R, GW-19, GW-20, GW-21, GW-22, and GW-23) located adjacent to the capped area. A site plan is attached which shows the property boundaries, monitoring well locations, and other site details.

Quarterly Groundwater Monitoring.

From September 2005 to June 2006, MACTEC completed four (4) quarterly groundwater sampling events. The work was performed in accordance with the Operation, Maintenance and Monitoring ("OM&M") requirements specified in the Remedial Action Completion Report. During each sampling event, MACTEC collected groundwater samples from five (5) monitoring wells: GW-18R, GW-19, GW-21, GW-22 and GW-23. Each groundwater sample was submitted to Severn Trent Laboratories ("STL") of Buffalo, New York for analysis of nitrobenzene via United States Environmental Protection Agency ("USEPA") Method 8270 and Target Analyte List ("TAL") metals by USEPA Method 6000-7000 series.

Prior to purging each monitoring well, MACTEC recorded the water level relative to the top of the well riser (or other reference point, if appropriate) with an electronic water level meter. During the first quarterly groundwater sampling event in September 2005, a submersible pump was used to purge each well. A flow-through cell was used to measure the pH, conductivity, temperature, and turbidity of the extracted groundwater periodically during the purging process to verify that these parameters were stable prior to sample collection. During the September 2005 sampling event, some wells were pumped dry and recharged very slowly. Due to elevated turbidity levels (i.e., turbidity levels greater than 50 nephelometric turbidity units ["NTUs"]), the September 2005 groundwater metals samples were filtered in the field using disposable 0.45-micron filters prior to submittal to the laboratory.

During the December 2005, March 2006, and June 2006 sampling events, MACTEC used dedicated disposable bailers to purge three well volumes from each well before sampling. Once purging was complete, the wells were allowed to recharge before sample collection. The disposable bailers were used to collect the sample aliquots from the upper portion of the groundwater within the well to avoid disturbance of bottom sediments and minimize turbidity. These samples were not filtered prior to metals analyses by the laboratory.

The groundwater samples were labeled, logged on a chain-of-custody form, and placed in an ice-chilled cooler for shipment to the analytical laboratory. Copies of the completed chain of custody documentation are included with the final analytical data reports provided in Attachment A.

Purge water was discharged to the ground surface at each well location. The water was discharged in a controlled fashion to promote infiltration and prevent surface runoff.

Quality Control

Quality control ("QC") procedures were utilized throughout the project. Use of disposable sampling equipment and decontamination of non-disposable equipment was completed to minimize the potential for cross-contamination.

QC samples in the form of a duplicate groundwater sample, a matrix spike, and a matrix spike duplicate were also collected during each groundwater sampling event. The QC samples were analyzed for the same constituents using the same test methods as the groundwater samples.

MACTEC completed data validation for the groundwater sample analytical results in accordance with Honeywell requirements. Copies of the MACTEC data validation reports are provided in Attachment B. Minor data quality issues were identified during the validation process. No significant QC concerns were noted and, therefore, the analytical data is considered reliable.

Results

Depth to groundwater measurements made during the four quarterly sampling events are summarized on Table 1. In general, the groundwater flow direction within the monitored area varied from east to southeast.

The analytical results for the quarterly groundwater samples are summarized on Table 2 and copies of the laboratory reports are provided as Attachment A. The NY groundwater standards for Class GA aquifers (6 NYCRR Part 703: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations) are included on Table 2 for comparison.

As shown on Table 2, the reported concentrations for various metals exceeded the NY groundwater standards in the quarterly samples. The metals results are consistent with previous Outer Harbor data presented in the ROD. It was concluded in the ROD that the metals concentrations in

October 4, 2006

groundwater may be attributable to "general groundwater quality in the vicinity of the site". Nitrobenzene was not detected in any quarterly groundwater sample; the laboratory's method detection limit for nitrobenzene was 0.53 micrograms per liter ($\mu\text{g/l}$). These analytical results are consistent with previous groundwater analytical data recorded in 2003, the summary tables for which are included as Attachment C.

Conclusions and Recommendations

As specified in the Remedial Action Completion Report, groundwater samples are to be collected on a semiannual basis in the second year of the monitoring period. Thus, groundwater samples will be collected in December 2006 and June 2007. In addition, the capped area will be inspected at the end of the two-year period for the presence of uneven settling that could compromise the integrity of the cover system. The results of the semiannual monitoring events and site inspection will be presented in an annual report. We understand that NYSDEC will reserve comment on whether or not groundwater monitoring should continue beyond the initial two-year period until after the Closure Evaluation Report has been submitted.

Should you have any questions regarding this submittal or require additional information, please contact John Scrabis at (412) 279-6661 or jmscrabis@mactec.com.

Sincerely,

MACTEC Engineering and Consulting, Inc.

 WITH PERMISSION
W. Dwayne Gross WKS
Staff Scientist


John M. Scrabis
Principal Engineer

Attachments

cc: T. Metcalf (Honeywell)
M. Doster (NYSDEC)
M. Desmond, Esq. (NYSDEC)
D. Flynn, Esq. (Phillips Lytle)
C. O'Connor (NYSDOH)
P. Burke, Esq. (NFTA)
C. Burns (CHA)

TABLES

Table 1
Summary of Depth to Water Measurements

Honeywell - Buffalo Outer Harbor
 Buffalo, New York
 Project # 3410050323

	9/15/2005	12/5/2005	3/9/2006	6/13/2006
Well ID				
GW-18R	10.33	6.25	7.06	9.00
GW-19	13.99	5.73	6.95	9.07
GW-21	8.31	4.22	4.97	8.20
GW-22	9.13	2.90	3.05	7.11
GW-23	12.24	6.18	7.17	9.30

Notes:

- 1) Water level measurements are in units of feet above mean sea level (ft-msl)
- 2) - indicates no measurement recorded

Table 2
Summary of Analytical Results

Honeywell - Buffalo Outer Harbor
Buffalo, New York
Project # 3410050323

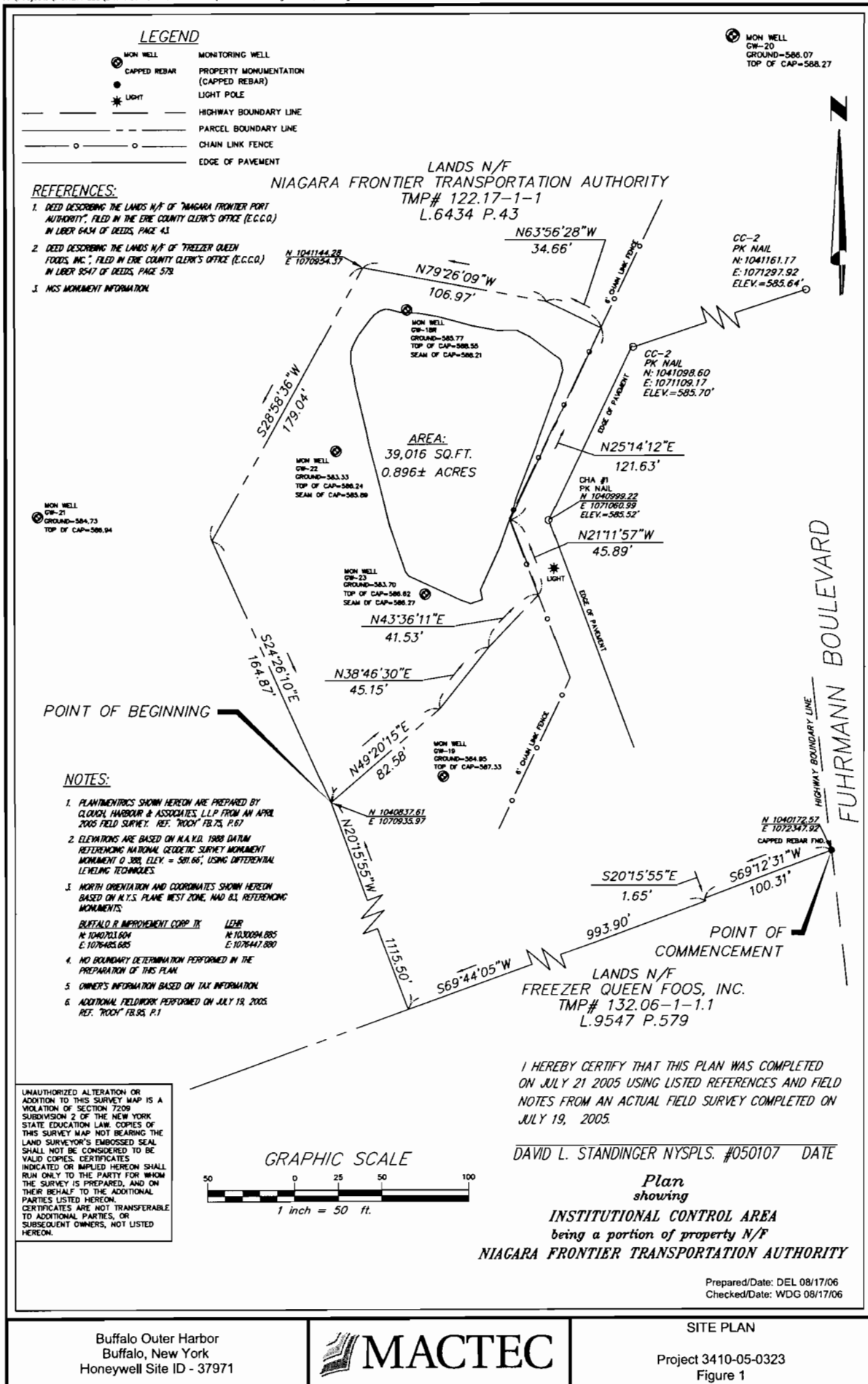
Parameter	Units	Field Sample ID Sample Date NY-CLASS GA Standards ³	GW-18R-0905 ¹ 9/15/2005	MW-18R-1205 ² 12/5/2005	GW-18R-0306 3/9/2006	GW-18R-0606 6/1/2006	GW-19-0905 9/15/2005	MW-19-1205 12/5/2005	MW-19D-1205 12/5/2005	GW-19-0306 3/9/2006	GW-19-0606 6/1/2006	GW-19D-0606 6/1/2006	GW-21-0905 9/15/2005	MW-21-1205 12/5/2005	GW-21-0306 3/9/2006	GW-21-0606 6/1/2006	GW-22-0905 9/15/2005	MW-22-1205 12/5/2005	GW-22-0306 3/9/2006	GW-22D-0306 3/9/2006	GW-22-0606 6/1/2006	GW-23-0905 9/15/2005	GW-23D-0905 9/15/2005	MW-23-1205 12/5/2005	GW-23-0306 3/9/2006	GW-23-0606 6/1/2006
ALUMINUM	mg/l	null	<0.2	1.9J ^{4,5}	14.9J	15.1J	0.68	2.2J	1.3J	1.95J	7.4J	8.6J	<0.2	<0.2	<0.2	<0.2	<0.2	3.9J	8.56J	5.77J	7.3J	<0.2	<0.2	<0.2	1.78J	1.3J
ANTIMONY	mg/l	0.003	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04J	0.04J
ARSENIC	mg/l	0.025	<0.01	0.021	0.041	0.038	0.028	<0.01	<0.01	<0.01	0.026	0.025	<0.01	<0.01	<0.01	<0.01	0.014	<0.01	<0.01	<0.01	<0.01	0.013	0.014	0.019	0.0168	0.048
BARIUM	mg/l	1	0.078	0.12	0.262	0.22	0.012	0.038	0.035	0.0328	0.073	0.077	0.032	0.046	0.0402	0.033	0.14	0.16	0.213	0.181	0.24	0.28	0.27	0.27	0.306	0.36
BERYLLIUM	mg/l	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
CADMIUM	mg/l	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CALCIUM	mg/l	null	239	323	303	294	18.1	91.8	109	78.2	52.7	53.4	30.2	42.6	32.6	29.6	218	409	309	296	269	210	202	247	230	236
CHROMIUM	mg/l	0.05	<0.004	<0.004	0.0217	0.026	<0.004	0.047	0.041	0.0364	0.089	0.085	<0.004	<0.004	<0.004	<0.004	<0.004	0.008	0.0175	0.0116	0.014	<0.004	<0.004	<0.004	0.0072	0.0042
COBALT	mg/l	null	<0.004	<0.004	0.0083	0.0087	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0052	0.0056	<0.004	0.0051	<0.004	<0.004	<0.004	<0.004	<0.004
COPPER	mg/l	0.2	<0.01	0.011	0.0321	0.035	0.02	0.013	<0.01	<0.01	0.028	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.039	0.0654	0.047	0.042	<0.01	<0.01	0.011	0.0826	0.048
IRON	mg/l	0.3	4.6J	2.4J	19.1J	24.4J	<0.05	1.4J	<0.05	0.656J	6.9J	8.5J	<0.05	0.086J	0.231J	0.48J	7.7J	11.1J	19.8J	14.9J	17.2J	6.1J	5.9	11J	12.4J	17.8J
LEAD	mg/l	0.025	<0.005	0.024J	0.0957J	0.11	<0.005	0.011J	<0.005	<0.005	0.08	0.079	<0.005	<0.005	<0.005	<0.005	<0.005	0.074J	0.173J	0.107J	0.14	<0.005	<0.005	0.0078J	0.0691J	0.039
MAGNESIUM	mg/l	35	40	53.6	55.8	54.9J	<0.2	1.4J	<0.2	0.7	4.5J	4.7J	1.2	4.2J	5.26	6.6J	75	127J	83.9	79.1	76.7J	92.9	90.1	35.1J	57.6	34.6J
MANGANESE	mg/l	0.3	0.64	0.99J	1.22	1.4J	<0.003	0.035J	<0.003	0.0177	0.2J	0.2J	<0.003	0.0037J	0.0068	0.011J	0.47	1.6J	1.16	1.05	1J	0.52	0.54	1.4J	0.972	0.64J
MERCURY	mg/l	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00086	0.00086	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
NICKEL	mg/l	null	<0.01	<0.015	0.0208	0.022	0.015	<0.01	<0.01	<0.01	0.016	0.018	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.0196	0.0148	0.015	<0.01	<0.01	<0.01	<0.01	0.025
POTASSIUM	mg/l	null	24	20.5	20.7	26.8	513	257	176	294	514	517	18.9	20.8	15.7	16.9	24	52.5	38.3	37.6	36.4	31.7	30.8	73.1	61.3	88
SELENIUM	mg/l	0.01	<0.015	<0.015	<0.015	<0.015	<0.015	0.017	<0.015	<0.015	0.015	0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
SILVER	mg/l	0.05	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
SODIUM	mg/l	20	22.3	19.3J	18.2	19.8	49.5	20.1J	12.2J	20.1	46.1	45.4	13	14.1J	10.9	11.2	44.4	94.5J	60.9	60.4	51	51.9	49.2	26.9J	38.3	33.9
THALLIUM	mg/l	0.0005	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
VANADIUM	mg/l	null	<0.005	0.0074	0.034	0.032	0.037	0.018	0.013	0.0164	0.055	0.056	<0.005	<0.005	<0.005	<0.005	<0.005	0.0072	0.016	0.0102	0.014	<0.005	<0.005	<0.005	0.005	0.0052
ZINC	mg/l	2	<0.02	0.55	0.362J	0.41	<0.02	0.02	<0.02	0.0162J	0.1	0.11	<0.02	<0.02	0.013J	0.018	<0.02	0.094	0.187J	0.125J	0.14	<0.02	<0.02	<0.02	0.163J	0.058
NITROBENZENE	ug/l	0.4	<9*	<10*	<10*	<10*	<10*	<10*	<10*	<10*	<10*	<10*	<10*	<10*	<10*	<10*	<12*	<10*	<10*	<10*	<10*	<10*	<10*	<10*	<10*	<9*

Notes:

- 1) All Metals are Total Metals except sampling event September 2005, for which Turbidity below 50 could not be reached and therefore samples were filtered and analyzed for Dissolved Metals
- 2) During December 2005 sampling event, sample IDs for wells labeled "GW" were recorded on the chain of custody and used in the analytical report for the sampling event as "MW"
- 3) New York standards for groundwater
- 4) Bold indicates analyte detected in sample
- 5) J - Indicates estimated result. Result is less than laboratory reporting limit.
- 6) Shading indicates result exceeds NY-CLASS GA standard

*The laboratory's method detection limit for nitrobenzene is 0.53 ug/L

FIGURES



ATTACHMENT A
LABORATORY REPORTS

Reviewed and
Approved for use
By: [Signature]

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STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A05-A153

STL Project#: NY5A9518
Site Name: MACTEC - Honeywell Buffalo Outer Harbor
Task: Buffalo Outer Harbor

5910250323
Honeywell - Outer Harbor
Ro
gms

Mr. John Scrabis
MACTEC Engineering&Consulting
700 North Bell Ave. Ste. 200
Pittsburgh, PA 15106

STL Buffalo

[Signature]
Brian J. Fischer
Project Manager

09/28/2005

**STL Buffalo
Current Certifications**

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C264
West Virginia	CWA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			DATE	TIME	DATE	TIME
ASA15301	GW-18R-0905	WATER	09/15/2005	14:00	09/15/2005	15:15
ASA15305	GW-19-0905	WATER	09/15/2005	12:40	09/15/2005	15:15
ASA15304	GW-21-0905	WATER	09/15/2005	12:20	09/15/2005	15:15
ASA15302	GW-22-0905	WATER	09/15/2005	13:00	09/15/2005	15:15
ASA15303	GW-23-0905	WATER	09/15/2005	10:15	09/15/2005	15:15
ASA15306	GW-23D-0905	WATER	09/15/2005	10:20	09/15/2005	15:15
ASA15306MS	GW-23D-0905	WATER	09/15/2005	10:20	09/15/2005	15:15
ASA15306SD	GW-23D-0905	WATER	09/15/2005	10:20	09/15/2005	15:15

METHODS SUMMARY

Job#: A05-A153

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

PARAMETER	ANALYTICAL METHOD
METHOD 8270 - NITROBENZENE	SW8463 8270
Aluminum - Soluble	SW8463 6010
Antimony - Soluble	SW8463 6010
Arsenic - Soluble	SW8463 6010
Barium - Soluble	SW8463 6010
Beryllium - Soluble	SW8463 6010
Cadmium - Soluble	SW8463 6010
Calcium - Soluble	SW8463 6010
Chromium - Soluble	SW8463 6010
Cobalt - Soluble	SW8463 6010
Copper - Soluble	SW8463 6010
Iron - Soluble	SW8463 6010
Lead - Soluble	SW8463 6010
Magnesium - Soluble	SW8463 6010
Manganese - Soluble	SW8463 6010
Mercury - Soluble	SW8463 7470
Nickel - Soluble	SW8463 6010
Potassium - Soluble	SW8463 6010
Selenium - Soluble	SW8463 6010
Silver - Soluble	SW8463 6010
Sodium - Soluble	SW8463 6010
Thallium - Soluble	SW8463 6010
Vanadium - Soluble	SW8463 6010
Zinc - Soluble	SW8463 6010

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A05-A153

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Current Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-A153

Sample Cooler(s) were received at the following temperature(s); 2@11.6 °C
Samples were received at a temperature of >10°C. However, ice was present in the cooler and as the samples were collected the same day, it was not possible for the samples to cool to 4°C prior to receipt. There is no impact on the data.

GC/MS Semivolatile Data

The requested target analyte list does not include any spiking compounds routinely analyzed. Spike recovery data has not been included in the report.

Metals Data

The recovery of sample GW-23D-0905 Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Calcium. The sample result is more than four times greater than the spike added. The RPD between sample GW-23D-0905 Matrix Spike and Matrix Spike Duplicate exceeded quality control criteria for Calcium. The LFB (ASB1440701) is acceptable.

The recovery of sample GW-23D-0905 Matrix Spike exhibited results below the quality control limits for Iron. Sample matrix is suspect. The RPD between sample GW-23D-0905 Matrix Spike and Matrix Spike Duplicate exceeded the quality control criteria for Iron. The LFB (A5B1440701) was acceptable.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- II Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

METHOD 8270 - NITROBENZENE

Client ID	Lab ID	GW-18R-0905 A05-A153 09/15/2005	ASA15301	GW-19-0905 A05-A153 09/15/2005	ASA15305	GW-21-0905 A05-A153 09/15/2005	ASA15304	GW-22-0905 A05-A153 09/15/2005	ASA15302
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	9	ND	10	ND	10	ND	12
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	100	50-200	102	50-200	111	50-200	101	50-200
Naphthalene-D8	%	97	50-200	102	50-200	108	50-200	103	50-200
Acenaphthene-D10	%	98	50-200	103	50-200	111	50-200	106	50-200
Phenanthrene-D10	%	97	50-200	99	50-200	102	50-200	99	50-200
Chrysene-D12	%	93	50-200	94	50-200	95	50-200	93	50-200
Perylene-D12	%	101	50-200	104	50-200	104	50-200	104	50-200
Nitrobenzene-D5	%	78	52-120	72	52-120	77	52-120	84	52-120
2-Fluorobiphenyl	%	87	21-120	84	21-120	85	21-120	90	21-120
p-Terphenyl-d14	%	65	36-138	67	36-138	69	36-138	79	36-138

Client ID	Lab ID	GW-23-0905 A05-A153 09/15/2005	ASA15303	GW-23D-0905 A05-A153 09/15/2005	ASA15306				
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	ND	10	NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	101	50-200	98	50-200	NA		NA	
Naphthalene-D8	%	100	50-200	100	50-200	NA		NA	
Acenaphthene-D10	%	100	50-200	104	50-200	NA		NA	
Phenanthrene-D10	%	95	50-200	98	50-200	NA		NA	
Chrysene-D12	%	94	50-200	90	50-200	NA		NA	
Perylene-D12	%	102	50-200	101	50-200	NA		NA	
Nitrobenzene-D5	%	75	52-120	82	52-120	NA		NA	
2-Fluorobiphenyl	%	83	21-120	78	21-120	NA		NA	
p-Terphenyl-d14	%	61	36-138	37	36-138	NA		NA	

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MACTEC - SW8463/6010/7470 - W - 23 SOL. METALS

Client ID	Lab ID	GW-18R-0905 A05-A153 09/15/2005	ASA15301	GW-19-0905 A05-A153 09/15/2005	ASA15305	GW-21-0905 A05-A153 09/15/2005	ASA15304	GW-22-0905 A05-A153 09/15/2005	ASA15302
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Soluble	MG/L	ND	0.20	0.68	0.20	ND	0.20	ND	0.20
Antimony - Soluble	MG/L	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Arsenic - Soluble	MG/L	ND	0.010	0.028	0.010	ND	0.010	0.014	0.010
Barium - Soluble	MG/L	0.078	0.0020	0.012	0.0020	0.032	0.0020	0.14	0.0020
Beryllium - Soluble	MG/L	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Cadmium - Soluble	MG/L	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Calcium - Soluble	MG/L	239	0.50	18.1	0.50	30.2	0.50	218	0.50
Chromium - Soluble	MG/L	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040
Cobalt - Soluble	MG/L	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040
Copper - Soluble	MG/L	ND	0.010	0.020	0.010	ND	0.010	ND	0.010
Iron - Soluble	MG/L	4.6	0.050	ND	0.050	ND	0.050	7.7	0.050
Magnesium - Soluble	MG/L	40.0	0.20	ND	0.20	1.2	0.20	75.0	0.20
Lead - Soluble	MG/L	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Manganese - Soluble	MG/L	0.64	0.0030	ND	0.0030	ND	0.0030	0.47	0.0030
Mercury - Soluble	MG/L	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020
Nickel - Soluble	MG/L	ND	0.010	0.015	0.010	ND	0.010	ND	0.010
Potassium - Soluble	MG/L	24.0	0.50	513	0.50	18.9	0.50	24.0	0.50
Selenium - Soluble	MG/L	ND	0.015	ND	0.015	ND	0.015	ND	0.015
Silver - Soluble	MG/L	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030
Sodium - Soluble	MG/L	22.3	1.0	49.5	1.0	13.0	1.0	44.4	1.0
Thallium - Soluble	MG/L	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Vanadium - Soluble	MG/L	ND	0.0050	0.037	0.0050	ND	0.0050	ND	0.0050
Zinc - Soluble	MG/L	ND	0.020	ND	0.020	ND	0.020	ND	0.020

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Client ID Job No Sample Date		Lab ID		GW-23-0905 A05-A153 09/15/2005		A5A15303		GW-230-0905 A05-A153 09/15/2005		A5A15306					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Soluble	MG/L	ND	0.20	ND	0.20	NA		NA		NA		NA		NA	
Antimony - Soluble	MG/L	ND	0.020	ND	0.020	NA		NA		NA		NA		NA	
Arsenic - Soluble	MG/L	0.013	0.010	0.014	0.010	NA		NA		NA		NA		NA	
Barium - Soluble	MG/L	0.28	0.0020	0.27	0.0020	NA		NA		NA		NA		NA	
Beryllium - Soluble	MG/L	ND	0.0020	ND	0.0020	NA		NA		NA		NA		NA	
Cadmium - Soluble	MG/L	ND	0.0010	ND	0.0010	NA		NA		NA		NA		NA	
Calcium - Soluble	MG/L	210	0.50	202	0.50	NA		NA		NA		NA		NA	
Chromium - Soluble	MG/L	ND	0.0040	ND	0.0040	NA		NA		NA		NA		NA	
Cobalt - Soluble	MG/L	ND	0.0040	ND	0.0040	NA		NA		NA		NA		NA	
Copper - Soluble	MG/L	ND	0.010	ND	0.010	NA		NA		NA		NA		NA	
Iron - Soluble	MG/L	6.1	0.050	5.9	0.050	NA		NA		NA		NA		NA	
Magnesium - Soluble	MG/L	92.9	0.20	86.1	0.20	NA		NA		NA		NA		NA	
Lead - Soluble	MG/L	ND	0.0050	ND	0.0050	NA		NA		NA		NA		NA	
Manganese - Soluble	MG/L	0.58	0.0030	0.54	0.0030	NA		NA		NA		NA		NA	
Mercury - Soluble	MG/L	ND	0.00020	ND	0.00020	NA		NA		NA		NA		NA	
Nickel - Soluble	MG/L	ND	0.010	ND	0.010	NA		NA		NA		NA		NA	
Potassium - Soluble	MG/L	31.7	0.50	30.8	0.50	NA		NA		NA		NA		NA	
Selenium - Soluble	MG/L	ND	0.015	ND	0.015	NA		NA		NA		NA		NA	
Silver - Soluble	MG/L	ND	0.0030	ND	0.0030	NA		NA		NA		NA		NA	
Sodium - Soluble	MG/L	51.9	1.0	49.2	1.0	NA		NA		NA		NA		NA	
Thallium - Soluble	MG/L	ND	0.020	ND	0.020	NA		NA		NA		NA		NA	
Vanadium - Soluble	MG/L	ND	0.0050	ND	0.0050	NA		NA		NA		NA		NA	
Zinc - Soluble	MG/L	ND	0.020	ND	0.020	NA		NA		NA		NA		NA	

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Batch Quality Control Data

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Lab Sample ID: A5A15306

A5A15306MS

A5A15306SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
MACTEC - SW8463/6010/7470 - W - 23 SOL.												
SOLUBLE ALUMINUM	MG/L	0.00720	9.65	9.98	10.0	10.0	96	100	98	4	20.0	75-125
SOLUBLE ANTIMONY	MG/L	0.00600	0.202	0.207	0.200	0.200	98	100	99	2	20.0	75-125
SOLUBLE ARSENIC	MG/L	0.0143	0.200	0.207	0.200	0.200	93	96	95	3	20.0	75-125
SOLUBLE BARIUM	MG/L	0.267	0.442	0.463	0.200	0.200	88	98	93	11	20.0	75-125
SOLUBLE BERYLLIUM	MG/L	0.00010	0.185	0.192	0.200	0.200	93	96	95	3	20.0	75-125
SOLUBLE CADMIUM	MG/L	0	0.184	0.190	0.200	0.200	92	95	94	3	20.0	75-125
SOLUBLE CALCIUM	MG/L	202.5	203.6	208.0	10.0	10.0	11 *	55 *	33	133 *	20.0	75-125
SOLUBLE CHROMIUM	MG/L	0.00050	0.185	0.192	0.200	0.200	92	96	94	4	20.0	75-125
SOLUBLE COBALT	MG/L	0.00120	0.185	0.191	0.200	0.200	92	95	94	3	20.0	75-125
SOLUBLE COPPER	MG/L	0.00140	0.195	0.201	0.200	0.200	97	100	99	3	20.0	75-125
SOLUBLE IRON	MG/L	5.93	12.38	14.86	10.0	10.0	64 *	89	77	33 *	20.0	75-125
SOLUBLE LEAD	MG/L	0	0.189	0.197	0.200	0.200	95	99	97	4	20.0	75-125
SOLUBLE MAGNESIUM	MG/L	86.08	96.63	96.01	10.0	10.0	105	99	102	6	20.0	75-125
SOLUBLE MANGANESE	MG/L	0.538	0.727	0.761	0.200	0.200	94	112	103	17	20.0	75-125
SOLUBLE NICKEL	MG/L	0.00350	0.188	0.194	0.200	0.200	93	96	95	3	20.0	75-125
SOLUBLE POTASSIUM	MG/L	30.82	39.45	40.83	10.0	10.0	86	100	93	15	20.0	75-125
SOLUBLE SELENIUM	MG/L	0	0.191	0.195	0.200	0.200	96	98	97	2	20.0	75-125
SOLUBLE SILVER	MG/L	0.00010	0.0485	0.0497	0.0500	0.0500	97	99	98	2	20.0	75-125
SOLUBLE SODIUM	MG/L	49.17	59.47	59.73	10.0	10.0	103	106	105	3	20.0	75-125
SOLUBLE THALLIUM	MG/L	0.00020	0.190	0.195	0.200	0.200	95	98	97	3	20.0	75-125
SOLUBLE VANADIUM	MG/L	0.00070	0.191	0.197	0.200	0.200	95	98	97	3	20.0	75-125
SOLUBLE ZINC	MG/L	0.00630	0.186	0.192	0.200	0.200	90	93	92	3	20.0	75-125

* Indicates Result is outside QC Limits

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Chronology and QC
Summary Package

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METHOD 8270 - NITROBENZENE

Client ID	Lab ID	SBLK							
Job No		A05-A153	A5B1432802						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	NA		NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	105	50-200	NA		NA		NA	
Naphthalene-B8	%	104	50-200	NA		NA		NA	
Acenaphthene-D10	%	103	50-200	NA		NA		NA	
Phenanthrene-D10	%	102	50-200	NA		NA		NA	
Chrysene-D12	%	94	50-200	NA		NA		NA	
Perylene-D12	%	101	50-200	NA		NA		NA	
Nitrobenzene-D5	%	80	52-120	NA		NA		NA	
2-Fluorobiphenyl	%	96	21-120	NA		NA		NA	
p-Terphenyl-d14	%	76	36-138	NA		NA		NA	

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METHOD 8270 - NITROBENZENE

Client ID	Lab ID	GW-230-0905		GW-230-0905		Matrix Spike Blank			
Job No		A05-A153	A5A15306MS	A05-A153	A5A15306SD	A05-A153	A5B1432801		
Sample Date		09/15/2005		09/15/2005					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	ND	10	ND	10	NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	98	50-200	104	50-200	99	50-200	NA	
Naphthalene-D8	%	99	50-200	98	50-200	101	50-200	NA	
Acenaphthene-D10	%	100	50-200	102	50-200	104	50-200	NA	
Phenanthrene-D10	%	96	50-200	95	50-200	100	50-200	NA	
Chrysene-D12	%	87	50-200	88	50-200	92	50-200	NA	
Perylene-D12	%	101	50-200	103	50-200	97	50-200	NA	
Nitrobenzene-D5	%	80	52-120	85	52-120	80	52-120	NA	
2-Fluorobiphenyl	%	78	21-120	72	21-120	95	21-120	NA	
p-Terphenyl-d14	%	38	36-138	65	36-138	82	36-138	NA	

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Client ID	Lab ID	Method Blank	Method Blank	Method Blank	Method Blank				
Job No		A05-A153	A5B1437102	A05-A153	A5B1440702				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Mercury - Soluble	MG/L	ND	0.00020	NA		NA		NA	
Antimony - Soluble	MG/L	NA		ND	0.020	NA		NA	
Arsenic - Soluble	MG/L	NA		ND	0.010	NA		NA	
Calcium - Soluble	MG/L	NA		ND	0.50	NA		NA	
Copper - Soluble	MG/L	NA		ND	0.010	NA		NA	
Manganese - Soluble	MG/L	NA		ND	0.0030	NA		NA	
Nickel - Soluble	MG/L	NA		ND	0.010	NA		NA	
Selenium - Soluble	MG/L	NA		ND	0.015	NA		NA	
Silver - Soluble	MG/L	NA		ND	0.0030	NA		NA	
Vanadium - Soluble	MG/L	NA		ND	0.0050	NA		NA	
Zinc - Soluble	MG/L	NA		ND	0.020	NA		NA	
Aluminum - Soluble	MG/L	NA		ND	0.20	NA		NA	
Barium - Soluble	MG/L	NA		ND	0.0020	NA		NA	
Beryllium - Soluble	MG/L	NA		ND	0.0020	NA		NA	
Cadmium - Soluble	MG/L	NA		ND	0.0010	NA		NA	
Chromium - Soluble	MG/L	NA		ND	0.0040	NA		NA	
Cobalt - Soluble	MG/L	NA		ND	0.0040	NA		NA	
Iron - Soluble	MG/L	NA		ND	0.050	NA		NA	
Magnesium - Soluble	MG/L	NA		ND	0.20	NA		NA	
Lead - Soluble	MG/L	NA		ND	0.0050	NA		NA	
Potassium - Soluble	MG/L	NA		ND	0.50	NA		NA	
Sodium - Soluble	MG/L	NA		ND	1.0	NA		NA	
Thallium - Soluble	MG/L	NA		ND	0.020	NA		NA	

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Client ID	Lab ID	GW-230-0905	GW-230-0905	LCS	LFB				
Job No		A05-A153	A5A15306MS	A05-A153	A5A15306SD	A05-A153	A5B1437101	A05-A153	A5B1440701
Sample Date		09/15/2005		09/15/2005					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Soluble	MG/L	9.6	0.20	10	0.20	NA		9.8	0.20
Antimony - Soluble	MG/L	0.20	0.020	0.21	0.020	NA		0.19	0.020
Arsenic - Soluble	MG/L	0.20	0.010	0.21	0.010	NA		0.19	0.010
Barium - Soluble	MG/L	0.44	0.0020	0.46	0.0020	NA		0.20	0.0020
Beryllium - Soluble	MG/L	0.18	0.0020	0.19	0.0020	NA		0.19	0.0020
Cadmium - Soluble	MG/L	0.18	0.0010	0.19	0.0010	NA		0.20	0.0010
Calcium - Soluble	MG/L	204	0.50	208	0.50	NA		9.6	0.50
Chromium - Soluble	MG/L	0.18	0.0040	0.19	0.0040	NA		0.19	0.0040
Cobalt - Soluble	MG/L	0.18	0.0040	0.19	0.0040	NA		0.19	0.0040
Copper - Soluble	MG/L	0.20	0.010	0.20	0.010	NA		0.20	0.010
Iron - Soluble	MG/L	12.4	0.050	14.9	0.050	NA		9.8	0.050
Magnesium - Soluble	MG/L	96.6	0.20	96.0	0.20	NA		9.5	0.20
Lead - Soluble	MG/L	0.19	0.0050	0.20	0.0050	NA		0.20	0.0050
Manganese - Soluble	MG/L	0.73	0.0030	0.76	0.0030	NA		0.20	0.0030
Mercury - Soluble	MG/L	0.0056	0.00020	0.0056	0.00020	0.0027	0.00020	NA	
Nickel - Soluble	MG/L	0.19	0.010	0.19	0.010	NA		0.20	0.010
Potassium - Soluble	MG/L	39.4	0.50	40.8	0.50	NA		10	0.50
Selenium - Soluble	MG/L	0.19	0.015	0.20	0.015	NA		0.19	0.015
Silver - Soluble	MG/L	0.048	0.0030	0.050	0.0030	NA		0.048	0.0030
Sodium - Soluble	MG/L	59.5	1.0	59.7	1.0	NA		9.6	1.0
Thallium - Soluble	MG/L	0.19	0.020	0.20	0.020	NA		0.20	0.020
Vanadium - Soluble	MG/L	0.19	0.0050	0.20	0.0050	NA		0.20	0.0050
Zinc - Soluble	MG/L	0.19	0.020	0.19	0.020	NA		0.19	0.020

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Client Sample ID: GW-230-0905
Lab Sample ID: A5A15306

GW-230-0905
A5A15306MS

GW-230-0905
A5A15306SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
MACTEC - SW8463/6010/7470 - W - 23 SOL.												
SOLUBLE ALUMINUM	MG/L	0.00720	9.65	9.98	10.0	10.0	96	100	98	4	20.0	75-125
SOLUBLE ANTIMONY	MG/L	0.00600	0.202	0.207	0.200	0.200	98	100	99	2	20.0	75-125
SOLUBLE ARSENIC	MG/L	0.0143	0.200	0.207	0.200	0.200	93	96	95	3	20.0	75-125
SOLUBLE BARIUM	MG/L	0.267	0.442	0.463	0.200	0.200	88	98	93	11	20.0	75-125
SOLUBLE BERYLLIUM	MG/L	0.00010	0.185	0.192	0.200	0.200	93	96	95	3	20.0	75-125
SOLUBLE CADMIUM	MG/L	0	0.184	0.190	0.200	0.200	92	95	94	3	20.0	75-125
SOLUBLE CALCIUM	MG/L	202.5	203.6	208.0	10.0	10.0	11 *	55 *	33	133 *	20.0	75-125
SOLUBLE CHROMIUM	MG/L	0.00050	0.185	0.192	0.200	0.200	92	96	94	4	20.0	75-125
SOLUBLE COBALT	MG/L	0.00120	0.185	0.191	0.200	0.200	92	95	94	3	20.0	75-125
SOLUBLE COPPER	MG/L	0.00140	0.195	0.201	0.200	0.200	97	100	99	3	20.0	75-125
SOLUBLE IRON	MG/L	5.93	12.38	14.86	10.0	10.0	64 *	89	77	33 *	20.0	75-125
SOLUBLE LEAD	MG/L	0	0.189	0.197	0.200	0.200	95	99	97	4	20.0	75-125
SOLUBLE MAGNESIUM	MG/L	86.08	96.63	96.01	10.0	10.0	105	99	102	6	20.0	75-125
SOLUBLE MANGANESE	MG/L	0.538	0.727	0.761	0.200	0.200	94	112	103	17	20.0	75-125
SOLUBLE MERCURY	MG/L	0	0.00565	0.00555	0.00666	0.00666	85	83	84	2	20.0	80-120
SOLUBLE NICKEL	MG/L	0.00350	0.188	0.194	0.200	0.200	93	96	95	3	20.0	75-125
SOLUBLE POTASSIUM	MG/L	30.82	39.45	40.83	10.0	10.0	86	100	93	15	20.0	75-125
SOLUBLE SELENIUM	MG/L	0	0.191	0.195	0.200	0.200	96	98	97	2	20.0	75-125
SOLUBLE SILVER	MG/L	0.00010	0.0485	0.0497	0.0500	0.0500	97	99	98	2	20.0	75-125
SOLUBLE SODIUM	MG/L	49.17	59.47	59.73	10.0	10.0	103	106	105	3	20.0	75-125
SOLUBLE THALLIUM	MG/L	0.00020	0.190	0.195	0.200	0.200	95	98	97	3	20.0	75-125
SOLUBLE VANADIUM	MG/L	0.00070	0.191	0.197	0.200	0.200	95	98	97	3	20.0	75-125
SOLUBLE ZINC	MG/L	0.00630	0.186	0.192	0.200	0.200	90	93	92	3	20.0	75-125

* Indicates Result is outside QC Limits

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Client Sample ID: Method Blank
Lab Sample ID: A5B1437102

LCS
A5B1437101

Analyte	Units of Measure	Concentration		% Recovery	QC LIMITS
		Blank Spike	Spike Amount		
MACTEC - SW8463/6010/7470 - W - 23 SOL.					
SOLUBLE MERCURY	MG/L	0.00267	0.00333	80	80-120

* Indicates Result is outside QC Limits

19/30

Client Sample ID: Method Blank
Lab Sample ID: ASB1440702

LFB
ASB1440701

Analyte	Units of Measure	Concentration		% Recovery	QC LIMITS
		Blank Spike	Spike Amount		
MACTEC - SW8463/6010/7470 - W - 23 SOL.					
SOLUBLE ALUMINUM	MG/L	9.76	10.0	98	80-120
SOLUBLE ANTIMONY	MG/L	0.193	0.200	96	80-120
SOLUBLE ARSENIC	MG/L	0.194	0.200	95	80-120
SOLUBLE BARIUM	MG/L	0.198	0.200	99	80-120
SOLUBLE BERYLLIUM	MG/L	0.194	0.200	97	80-120
SOLUBLE CADMIUM	MG/L	0.195	0.200	98	80-120
SOLUBLE CALCIUM	MG/L	9.57	10.0	96	80-120
SOLUBLE CHROMIUM	MG/L	0.193	0.200	97	80-120
SOLUBLE COBALT	MG/L	0.193	0.200	97	80-120
SOLUBLE COPPER	MG/L	0.196	0.200	98	80-120
SOLUBLE IRON	MG/L	9.84	10.0	98	80-120
SOLUBLE LEAD	MG/L	0.197	0.200	98	80-120
SOLUBLE MAGNESIUM	MG/L	9.52	10.0	95	80-120
SOLUBLE MANGANESE	MG/L	0.202	0.200	101	80-120
SOLUBLE NICKEL	MG/L	0.196	0.200	98	80-120
SOLUBLE POTASSIUM	MG/L	9.98	10.0	100	80-120
SOLUBLE SELENIUM	MG/L	0.191	0.200	96	80-120
SOLUBLE SILVER	MG/L	0.0484	0.0500	97	80-120
SOLUBLE SODIUM	MG/L	9.59	10.0	96	80-120
SOLUBLE THALLIUM	MG/L	0.195	0.200	97	80-120
SOLUBLE VANADIUM	MG/L	0.197	0.200	99	80-120
SOLUBLE ZINC	MG/L	0.194	0.200	97	80-120

* Indicates Result is outside QC Limits

20/30

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	GW-18R-0905 A05-A153 ASA15301		GW-19-0905 A05-A153 ASA15305		GW-21-0905 A05-A153 ASA15304		GW-22-0905 A05-A153 ASA15302		GW-23-0905 A05-A153 ASA15303	
Sample Date	09/15/2005 14:00		09/15/2005 12:40		09/15/2005 12:20		09/15/2005 13:00		09/15/2005 10:15	
Received Date	09/15/2005 15:15		09/15/2005 15:15		09/15/2005 15:15		09/15/2005 15:15		09/15/2005 15:15	
Extraction Date	09/20/2005 15:00		09/20/2005 15:00		09/20/2005 15:00		09/20/2005 15:00		09/20/2005 15:00	
Analysis Date	09/21/2005 20:02		09/21/2005 21:42		09/21/2005 21:17		09/21/2005 20:27		09/21/2005 20:52	
Extraction HT Met?	YES		YES		YES		YES		YES	
Analytical HT Met?	YES		YES		YES		YES		YES	
Sample Matrix	WATER		WATER		WATER		WATER		WATER	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Sample wt/vol	1.06 LITERS		0.98 LITERS		1.05 LITERS		0.795 LITERS		1.05 LITERS	
% Dry										

21/30

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	GW-230-0905 A05-A153 A5A15306				
Sample Date	09/15/2005 10:20				
Received Date	09/15/2005 15:15				
Extraction Date	09/20/2005 15:00				
Analysis Date	09/21/2005 22:07				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

22/30

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	GW-230-0905 A05-A153 A5A15306MS	GW-230-0905 A05-A153 A5A15306SD	Matrix Spike Blank A05-A153 A5B1432801		
Sample Date	09/15/2005 10:20	09/15/2005 10:20			
Received Date	09/15/2005 15:15	09/15/2005 15:15			
Extraction Date	09/20/2005 15:00	09/20/2005 15:00	09/20/2005 15:00		
Analysis Date	09/21/2005 22:32	09/21/2005 22:57	09/21/2005 14:37		
Extraction HT Met?	YES	YES	-		
Analytical HT Met?	YES	YES	-		
Sample Matrix	WATER	WATER	WATER		
Dilution Factor	1.0	1.0	1.0		
Sample wt/vol	1.0 LITERS	1.0 LITERS	1.0 LITERS		
% Dry					

23/30

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	SBLK A05-A153 A5B1432802				
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	09/20/2005 15:00 09/21/2005 15:03 - - WATER 1.0 1.0 LITERS				

24/30

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A5A15301	GW-18R-0905	MG/L	Aluminum - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Antimony - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Arsenic - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Barium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Beryllium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Cadmium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Calcium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Chromium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Cobalt - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Copper - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Iron - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Magnesium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Lead - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Manganese - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/22 13:34	Yes	WATER
		MG/L	Mercury - Soluble	7470	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 13:58	Yes	WATER
		MG/L	Nickel - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Potassium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Selenium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Silver - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Sodium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Thallium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Vanadium - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
		MG/L	Zinc - Soluble	6010	1.00	09/15/2005 14:00	09/15 15:15	NA	NA	09/21 21:43	Yes	WATER
A5A15305	GW-19-0905	MG/L	Aluminum - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Antimony - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Arsenic - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Barium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Beryllium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Cadmium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Calcium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Chromium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Cobalt - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Copper - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Iron - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Magnesium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Lead - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Manganese - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/22 14:06	Yes	WATER
		MG/L	Mercury - Soluble	7470	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 14:06	Yes	WATER
		MG/L	Nickel - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Potassium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Selenium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Silver - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Sodium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Thallium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Vanadium - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
		MG/L	Zinc - Soluble	6010	1.00	09/15/2005 12:40	09/15 15:15	NA	NA	09/21 22:01	Yes	WATER
A5A15304	GW-21-0905	MG/L	Aluminum - Soluble	6010	1.00	09/15/2005 12:20	09/15 15:15	NA	NA	09/21 21:56	Yes	WATER
		MG/L	Antimony - Soluble	6010	1.00	09/15/2005 12:20	09/15 15:15	NA	NA	09/21 21:56	Yes	WATER

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met

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STL Buffalo

29/30

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sample Name (Print)		Signature:		Matrix		COMP / GRAB		8280 VOA		T-METALS		D-METALS		CHLORIDES/SULFATE		PH, TSS, TDS		ALK / CARB / BICARB		HARDNESS		NH ₃ / COD		TOC		NITROGEN		PHOSPHORUS		SILICA		OTHER	
Sample Name		Spec Request		AC		Event Name		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling		1 Quarterly Sampling	
GW-18R-0905		9/15/05	1400	W	G	X																											
GW-22-0905		9/15/05	1300	W	G	X																											
GW-23-0905		9/15/05	1015	W	G	X																											
GW-21-0905		9/15/05	1220	W	G	X																											
GW-19-0905		9/15/05	1240	W	G	X																											
GW-23D-0905		9/15/05	1020	W	G	X																											
GW-23MS-0905		9/15/05	1025	W	G	X																											
GW-23MSD-0905		9/15/05	1030	W	G	X																											

SHIPPED BY: *John J. Lee*

COMPANY: MACTEC-P.A.S.

DATE: 9/15/05

TIME: 15:15

RECEIVED BY: *John J. Lee*

COMPANY: SLT

DATE: 09/15/05

TIME: 15:15

SHIPPED BY: *John J. Lee*

COMPANY: MACTEC-P.A.S.

DATE: 9/15/05

TIME: 15:15

RECEIVED BY: *John J. Lee*

COMPANY: SLT

DATE: 09/15/05

TIME: 15:15

SHIPPED BY: *John J. Lee*

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DATE: 9/15/05

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COMPANY: MACTEC-P.A.S.

DATE: 9/15/05

TIME: 15:15

RECEIVED BY: *John J. Lee*

COMPANY: SLT

DATE: 09/15/05

TIME: 15:15

SHIPPED BY: *John J. Lee*

30/30

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STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A05-D818

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

Task: Buffalo Outer Harbor

[Handwritten signature]
Reviewed and
Approved for use
By: [Signature]

Reviewed and
Approved for use
By: [Signature]

Mr. John Scrabis
MACTEC Engineering&Consulting
700 North Bell Ave. Ste. 200
Pittsburgh, PA 15106

STL Buffalo

[Handwritten signature]

Brian J. Fischer
Project Manager

12/20/2005

Severn Trent Laboratories, Inc.

Severn Trent Laboratories, Inc.

**STL Buffalo
Current Certifications**

As of 11/29/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA, RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			DATE	TIME	DATE	TIME
ASD81801	MW-18R	WATER	12/05/2005	12:25	12/06/2005	08:50
ASD81802	MW-19	WATER	12/05/2005	11:15	12/06/2005	08:50
ASD81802MS	MW-19	WATER	12/05/2005	11:15	12/06/2005	08:50
ASD81802SD	MW-19	WATER	12/05/2005	11:15	12/06/2005	08:50
ASD81806	MW-19D	WATER	12/05/2005	11:15	12/06/2005	08:50
ASD81803	MW-21	WATER	12/05/2005	12:05	12/06/2005	08:50
ASD81804	MW-22	WATER	12/05/2005	12:15	12/06/2005	08:50
ASD81805	MW-23	WATER	12/05/2005	11:45	12/06/2005	08:50

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METHODS SUMMARY

Job#: A05-D818

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

PARAMETER	ANALYTICAL METHOD
METHOD 8270 - NITROBENZENE	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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NON-CONFORMANCE SUMMARY

Job#: A05-D818

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer HarborGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-D818

Sample Cooler(s) were received at the following temperature(s); 2@3.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

The spiking recovery for Nitrobenzene was zero in the Matrix Spike Blank A5B1890301 due to the incorrect spiking mix added. All samples, except for MW-21, were re-extracted within holding time and re-analyzed with compliant results. Sample MW-21 had no available volume for re-extraction. The original results were reported. No further corrective action could be performed.

Metals Data

The recovery of sample MW-19 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Potassium and below the quality control limits for Calcium. The sample result is more than four times greater than the spike added. The RPD of sample MW-19 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Calcium and Potassium. The LFB (A5B1946101) is acceptable.

The recovery of sample MW-19 Matrix Spike exhibited results above the quality control limits for Sodium. Sample matrix is suspect. However, the LFB (A5B1946101) was acceptable.

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The relative percent difference between sample MW-19 Matrix Spike and the Matrix Spike Duplicate exceeded quality control criteria for Manganese, though all individual recoveries are compliant. No action required.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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SEVERN
TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero

C This flag applies to pesticide results where the identification has been confirmed by GC/MS

B This flag is used when the analyte is found in the associated blank, as well as in the sample.

E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D This flag identifies all compounds identified in an analysis at the secondary dilution factor.

N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.

P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".

A This flag indicates that a TIC is a suspected aldol-condensation product.

1 Indicates coelution.

* Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.

N Indicates spike sample recovery is not within the quality control limits.

S Indicates value determined by the Method of Standard Addition.

E Indicates a value estimated or not reported due to the presence of interferences.

H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.

* Indicates the spike or duplicate analysis is not within the quality control limits.

+ Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

METHOD 8270 - NITROBENZENE

Client ID	Lab ID	MW-19 A05-D818 12/05/2005	A5081802RE	MW-19D A05-D818 12/05/2005	A5081806RE	MW-21 A05-D818 12/05/2005	A5081803	MW-22 A05-D818 12/05/2005	A5081804RE
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	ND	10	ND	10	ND	10
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	X	97	50-200	95	50-200	98	50-200	93	50-200
Naphthalene-D8	X	95	50-200	95	50-200	98	50-200	94	50-200
Acenaphthene-D10	X	92	50-200	92	50-200	97	50-200	92	50-200
Phenanthrene-D10	X	95	50-200	97	50-200	100	50-200	97	50-200
Chrysene-D12	X	98	50-200	97	50-200	99	50-200	99	50-200
Perylene-D12	X	103	50-200	101	50-200	103	50-200	103	50-200
Nitrobenzene-D5	X	88	52-120	78	52-120	78	52-120	82	52-120
2-Fluorobiphenyl	X	91	21-120	82	21-120	76	21-120	82	21-120
p-Terphenyl-d14	X	98	36-138	108	36-138	76	36-138	72	36-138

Client ID	Lab ID	MW-23 A05-D818 12/05/2005	A5081805RE						
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	NA		NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	X	98	50-200	NA		NA		NA	
Naphthalene-D8	X	98	50-200	NA		NA		NA	
Acenaphthene-D10	X	97	50-200	NA		NA		NA	
Phenanthrene-D10	X	100	50-200	NA		NA		NA	
Chrysene-D12	X	104	50-200	NA		NA		NA	
Perylene-D12	X	107	50-200	NA		NA		NA	
Nitrobenzene-D5	X	65	52-120	NA		NA		NA	
2-Fluorobiphenyl	X	69	21-120	NA		NA		NA	
p-Terphenyl-d14	X	54	36-138	NA		NA		NA	

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MACTEC - TAL METALS (23) SW8463-6010/7470 - W

Client ID	Lab ID	MW-18R A05-D818 12/05/2005	A5081801	MW-19 A05-D818 12/05/2005	A5081802	MW-19D A05-D818 12/05/2005	A5081806	MW-21 A05-D818 12/05/2005	A5081803
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	1.9	0.20	2.2	0.20	1.3	0.20	ND	0.20
Antimony - Total	MG/L	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Arsenic - Total	MG/L	0.021	0.010	ND	0.010	ND	0.010	ND	0.010
Barium - Total	MG/L	0.12	0.0020	0.038	0.0020	0.035	0.0020	0.046	0.0020
Beryllium - Total	MG/L	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Cadmium - Total	MG/L	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Calcium - Total	MG/L	323	0.50	91.8	0.50	109	0.50	42.6	0.50
Chromium - Total	MG/L	ND	0.0040	0.047	0.0040	0.041	0.0040	0.0040	0.0040
Cobalt - Total	MG/L	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040
Copper - Total	MG/L	0.011	0.010	0.013	0.010	ND	0.010	ND	0.010
Iron - Total	MG/L	2.4	0.050	1.4	0.050	ND	0.050	0.086	0.050
Lead - Total	MG/L	0.024	0.0050	0.011	0.0050	ND	0.0050	ND	0.0050
Magnesium - Total	MG/L	53.6	0.20	1.4	0.20	ND	0.20	4.2	0.20
Manganese - Total	MG/L	0.99	0.0030	0.035	0.0030	ND	0.0030	0.0037	0.0030
Mercury - Total	MG/L	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020
Nickel - Total	MG/L	ND	0.010	ND	0.010	ND	0.010	ND	0.010
Potassium - Total	MG/L	20.5	0.50	257	0.50	176	0.50	20.8	0.50
Selenium - Total	MG/L	ND	0.015	0.017	0.015	ND	0.015	ND	0.015
Silver - Total	MG/L	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030
Sodium - Total	MG/L	19.3	1.0	20.1	1.0	12.2	1.0	14.1	1.0
Thallium - Total	MG/L	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Vanadium - Total	MG/L	0.0074	0.0050	0.018	0.0050	0.013	0.0050	ND	0.0050
Zinc - Total	MG/L	0.55	0.020	0.020	0.020	ND	0.020	ND	0.020

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Client ID		Lab ID		MW-22		MW-23			
Job No				A05-D818		A05-D818			
Sample Date				12/05/2005		12/05/2005			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	3.9	0.20	ND	0.20	NA		NA	
Antimony - Total	MG/L	ND	0.020	ND	0.020	NA		NA	
Arsenic - Total	MG/L	ND	0.010	0.019	0.010	NA		NA	
Barium - Total	MG/L	0.16	0.0020	0.27	0.0020	NA		NA	
Beryllium - Total	MG/L	ND	0.0020	ND	0.0020	NA		NA	
Cadmium - Total	MG/L	ND	0.0010	ND	0.0010	NA		NA	
Calcium - Total	MG/L	409	0.50	247	0.50	NA		NA	
Chromium - Total	MG/L	0.0080	0.0040	ND	0.0040	NA		NA	
Cobalt - Total	MG/L	0.0052	0.0040	ND	0.0040	NA		NA	
Copper - Total	MG/L	0.039	0.010	0.011	0.010	NA		NA	
Iron - Total	MG/L	11.1	0.050	11.0	0.050	NA		NA	
Lead - Total	MG/L	0.074	0.0050	0.0078	0.0050	NA		NA	
Magnesium - Total	MG/L	127	0.20	35.1	0.20	NA		NA	
Manganese - Total	MG/L	1.6	0.0030	1.4	0.0030	NA		NA	
Mercury - Total	MG/L	ND	0.0020	ND	0.0020	NA		NA	
Nickel - Total	MG/L	0.020	0.010	ND	0.010	NA		NA	
Potassium - Total	MG/L	52.5	0.50	73.1	0.50	NA		NA	
Selenium - Total	MG/L	ND	0.015	ND	0.015	NA		NA	
Silver - Total	MG/L	ND	0.0030	ND	0.0030	NA		NA	
Sodium - Total	MG/L	94.5	1.0	26.9	1.0	NA		NA	
Thallium - Total	MG/L	ND	0.020	ND	0.020	NA		NA	
Vanadium - Total	MG/L	0.0072	0.0050	ND	0.0050	NA		NA	
Zinc - Total	MG/L	0.094	0.020	ND	0.020	NA		NA	

10/29

Chronology and QC
Summary Package

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METHOD 8270 - NITROBENZENE

Client ID Job No Sample Date		Lab ID		S Blank A05-D818 A5B1890302		SBLK A05-D818 A5B1898402			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	ND	10	NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	102	50-200	93	50-200	NA		NA	
Naphthalene-D8	%	103	50-200	92	50-200	NA		NA	
Acenaphthene-D10	%	102	50-200	89	50-200	NA		NA	
Phenanthrene-D10	%	107	50-200	96	50-200	NA		NA	
Chrysene-D12	%	104	50-200	96	50-200	NA		NA	
Perylene-D12	%	111	50-200	101	50-200	NA		NA	
Nitrobenzene-D5	%	78	52-120	77	52-120	NA		NA	
2-Fluorobiphenyl	%	66	21-120	84	21-120	NA		NA	
p-Terphenyl-d14	%	82	36-138	82	36-138	NA		NA	

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METHOD 8270 - NITROBENZENE

Client ID Job No Sample Date		Lab ID		MW-19 A05-D818 12/05/2005 A5B1802C		MW-19 A05-D818 12/05/2005 A5B1802D		Matrix Spike Blank A05-D818 A5B1890301		Matrix Spike Blank A05-D818 A5B1898401	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	240	28	240	28	ND	10	89	10		
IS/SURROGATE(S)											
1,4-Dichlorobenzene-D4	%	97	50-200	99	50-200	95	50-200	96	50-200		
Naphthalene-D8	%	94	50-200	95	50-200	98	50-200	94	50-200		
Acenaphthene-D10	%	96	50-200	98	50-200	95	50-200	93	50-200		
Phenanthrene-D10	%	96	50-200	98	50-200	97	50-200	95	50-200		
Chrysene-D12	%	99	50-200	100	50-200	95	50-200	99	50-200		
Perylene-D12	%	104	50-200	104	50-200	102	50-200	104	50-200		
Nitrobenzene-D5	%	81	52-120	86	52-120	77	52-120	88	52-120		
2-Fluorobiphenyl	%	81	21-120	86	21-120	70	21-120	90	21-120		
p-Terphenyl-d14	%	102	36-138	99	36-138	93	36-138	97	36-138		

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Client ID Job No Sample Date		Method Blank A05-D818 A5B1946102		Method Blank A05-D818 A5D81808					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	ND	0.20	NA		NA		NA	
Calcium - Total	MG/L	ND	0.50	NA		NA		NA	
Iron - Total	MG/L	ND	0.050	NA		NA		NA	
Sodium - Total	MG/L	ND	1.0	NA		NA		NA	
Magnesium - Total	MG/L	ND	0.20	NA		NA		NA	
Arsenic - Total	MG/L	ND	0.010	NA		NA		NA	
Vanadium - Total	MG/L	ND	0.0050	NA		NA		NA	
Cadmium - Total	MG/L	ND	0.0010	NA		NA		NA	
Chromium - Total	MG/L	ND	0.0040	NA		NA		NA	
Nickel - Total	MG/L	ND	0.010	NA		NA		NA	
Lead - Total	MG/L	ND	0.0050	NA		NA		NA	
Antimony - Total	MG/L	ND	0.020	NA		NA		NA	
Barium - Total	MG/L	ND	0.0020	NA		NA		NA	
Selenium - Total	MG/L	ND	0.015	NA		NA		NA	
Silver - Total	MG/L	ND	0.0030	NA		NA		NA	
Cobalt - Total	MG/L	ND	0.0040	NA		NA		NA	
Beryllium - Total	MG/L	ND	0.0020	NA		NA		NA	
Copper - Total	MG/L	ND	0.010	NA		NA		NA	
Manganese - Total	MG/L	ND	0.0030	NA		NA		NA	
Mercury - Total	MG/L	NA		ND	0.00020	NA		NA	
Potassium - Total	MG/L	ND	0.50	NA		NA		NA	
Thallium - Total	MG/L	ND	0.020	NA		NA		NA	
Zinc - Total	MG/L	ND	0.020	NA		NA		NA	

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Client ID Job No Sample Date		LFB A05-D818 A5B1946101		LFB A05-D818 A5D81807		MW-19 A05-D818 12/05/2005 A5D81802MS		MW-19 A05-D818 12/05/2005 A5D81802SD	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	9.5	0.20	NA		12.7	0.20	11.6	0.20
Calcium - Total	MG/L	9.5	0.50	NA		101	0.50	96.8	0.50
Iron - Total	MG/L	9.6	0.050	NA		11.7	0.050	10.7	0.050
Potassium - Total	MG/L	9.8	0.50	NA		300	0.50	284	0.50
Sodium - Total	MG/L	9.8	1.0	NA		33.3	1.0	32.6	1.0
Manganese - Total	MG/L	0.19	0.0030	NA		0.27	0.0030	0.22	0.0030
Arsenic - Total	MG/L	0.19	0.010	NA		0.21	0.010	0.21	0.010
Vanadium - Total	MG/L	0.19	0.0050	NA		0.22	0.0050	0.22	0.0050
Chromium - Total	MG/L	0.19	0.0040	NA		0.24	0.0040	0.24	0.0040
Lead - Total	MG/L	0.20	0.0050	NA		0.22	0.0050	0.21	0.0050
Zinc - Total	MG/L	0.20	0.020	NA		0.23	0.020	0.22	0.020
Barium - Total	MG/L	0.19	0.0020	NA		0.24	0.0020	0.23	0.0020
Silver - Total	MG/L	0.049	0.0030	NA		0.050	0.0030	0.050	0.0030
Thallium - Total	MG/L	0.19	0.020	NA		0.19	0.020	0.19	0.020
Cobalt - Total	MG/L	0.19	0.0040	NA		0.20	0.0040	0.20	0.0040
Antimony - Total	MG/L	0.19	0.020	NA		0.20	0.020	0.20	0.020
Beryllium - Total	MG/L	0.19	0.0020	NA		0.20	0.0020	0.20	0.0020
Cadmium - Total	MG/L	0.19	0.0010	NA		0.19	0.0010	0.20	0.0010
Copper - Total	MG/L	0.19	0.010	NA		0.22	0.010	0.22	0.010
Magnesium - Total	MG/L	9.6	0.20	NA		12.6	0.20	10.7	0.20
Mercury - Total	MG/L	NA		0.0032	0.00020	0.0068	0.00020	0.0066	0.00020
Nickel - Total	MG/L	0.19	0.010	NA		0.20	0.010	0.20	0.010
Selenium - Total	MG/L	0.19	0.015	NA		0.22	0.015	0.22	0.015

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Client Sample ID: MW-19
Lab Sample ID: A5081802KE

MW-19
A5081802C

MW-19
A5081802D

Analyte	Units of Measure	Sample	Concentration		Spike Amount		% Recovery			Z RPD	QC LIMITS	
			Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
METHOD 8270 - NITROBENZENE Nitrobenzene	UG/L	0	236	244	285	285	83	85	84	2	24.0	49-120

* Indicates Result is outside QC Limits

16/29

Client Sample ID: SBLK
Lab Sample ID: A581898402

Matrix Spike Blank
A581898401

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8270 - NITROBENZENE Nitrobenzene	UG/L	88.7	100	89	49-120

* Indicates Result is outside QC Limits

17/29

Client Sample ID: MW-19
Lab Sample ID: A5081802

MW-19
A5081802MS

MW-19
A5081802SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
MACTEC - TAL METALS (23) SW8463-6010/747												
TOTAL ALUMINUM	MG/L	2.25	12.71	11.55	10.0	10.0	104	93	99	11	20.0	75-125
TOTAL ANTIMONY	MG/L	0	0.198	0.199	0.200	0.200	99	100	100	1	20.0	75-125
TOTAL ARSENIC	MG/L	0.00590	0.209	0.206	0.200	0.200	102	100	101	2	20.0	75-125
TOTAL BARIUM	MG/L	0.0375	0.241	0.233	0.200	0.200	102	98	100	4	20.0	75-125
TOTAL BERYLLIUM	MG/L	0.00010	0.198	0.200	0.200	0.200	99	100	100	1	20.0	75-125
TOTAL CADMIUM	MG/L	0.00010	0.193	0.195	0.200	0.200	97	98	98	1	20.0	75-125
TOTAL CALCIUM	MG/L	91.85	101.3	96.84	10.0	10.0	95	50 *	73	62 *	20.0	75-125
TOTAL CHROMIUM	MG/L	0.0467	0.244	0.241	0.200	0.200	99	98	99	1	20.0	75-125
TOTAL COBALT	MG/L	0.00020	0.197	0.198	0.200	0.200	98	99	99	1	20.0	75-125
TOTAL COPPER	MG/L	0.0134	0.215	0.217	0.200	0.200	101	102	102	1	20.0	75-125
TOTAL IRON	MG/L	1.41	11.70	10.70	10.0	10.0	103	93	98	10	20.0	75-125
TOTAL LEAD	MG/L	0.0109	0.221	0.207	0.200	0.200	105	98	102	7	20.0	75-125
TOTAL MAGNESIUM	MG/L	1.40	12.58	10.67	10.0	10.0	112	93	103	18	20.0	75-125
TOTAL MANGANESE	MG/L	0.0346	0.270	0.222	0.200	0.200	118	94	106	23 *	20.0	75-125
TOTAL MERCURY	MG/L	0	0.00682	0.00660	0.00666	0.00666	102	99	101	3	20.0	80-120
TOTAL NICKEL	MG/L	0.00400	0.201	0.200	0.200	0.200	98	98	98	0	20.0	75-125
TOTAL POTASSIUM	MG/L	256.6	299.9	283.6	10.0	10.0	432 *	269 *	351	46 *	20.0	75-125
TOTAL SELENIUM	MG/L	0.0172	0.219	0.219	0.200	0.200	101	101	101	0	20.0	75-125
TOTAL SILVER	MG/L	0	0.0496	0.0500	0.0500	0.0500	99	100	100	1	20.0	75-125
TOTAL SODIUM	MG/L	20.10	33.33	32.61	10.0	10.0	132 *	125	129	5	20.0	75-125
TOTAL THALLIUM	MG/L	0	0.193	0.194	0.200	0.200	97	97	97	0	20.0	75-125
TOTAL VANADIUM	MG/L	0.0181	0.218	0.217	0.200	0.200	100	100	100	0	20.0	75-125
TOTAL ZINC	MG/L	0.0204	0.229	0.218	0.200	0.200	105	99	102	6	20.0	75-125

* Indicates Result is outside QC Limits

18/29

Client Sample ID: Method Blank
Lab Sample ID: A5B1946102

LFB
A5B1946101

Analyte	Units of Measure	Concentration		% Recovery	QC LIMITS
		Blank Spike	Spike Amount		
MACTEC - TAL METALS (23) SW8463-6010/747					
TOTAL ALUMINUM	MG/L	9.52	10.0	95	80-120
TOTAL ANTIMONY	MG/L	0.190	0.200	95	80-120
TOTAL ARSENIC	MG/L	0.193	0.200	97	80-120
TOTAL BARIUM	MG/L	0.194	0.200	97	80-120
TOTAL BERYLLIUM	MG/L	0.193	0.200	97	80-120
TOTAL CADMIUM	MG/L	0.190	0.200	95	80-120
TOTAL CALCIUM	MG/L	9.50	10.0	95	80-120
TOTAL CHROMIUM	MG/L	0.193	0.200	97	80-120
TOTAL COBALT	MG/L	0.193	0.200	96	80-120
TOTAL COPPER	MG/L	0.193	0.200	96	80-120
TOTAL IRON	MG/L	9.58	10.0	96	80-120
TOTAL LEAD	MG/L	0.197	0.200	98	80-120
TOTAL MAGNESIUM	MG/L	9.61	10.0	96	80-120
TOTAL MANGANESE	MG/L	0.192	0.200	96	80-120
TOTAL NICKEL	MG/L	0.194	0.200	97	80-120
TOTAL POTASSIUM	MG/L	9.84	10.0	98	80-120
TOTAL SELENIUM	MG/L	0.194	0.200	97	80-120
TOTAL SILVER	MG/L	0.0486	0.0500	97	80-120
TOTAL SODIUM	MG/L	9.85	10.0	98	80-120
TOTAL THALLIUM	MG/L	0.189	0.200	95	80-120
TOTAL VANADIUM	MG/L	0.191	0.200	96	80-120
TOTAL ZINC	MG/L	0.198	0.200	98	80-120

* Indicates Result is outside QC Limits

19/29

Client Sample ID: Method Blank
Lab Sample ID: A5D81808

LFB
A5D81807

Analyte	Units of Measure	Concentration		% Recovery	QC LIMITS
		Blank Spike	Spike Amount		
MACTEC - TAL METALS (23) SW8463-6010/747 TOTAL MERCURY	MG/L	0.00323	0.00333	97	80-120

20/29

* Indicates Result is outside QC Limits

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	MW-19 A05-D818 A5D81802RE	MW-19D A05-D818 A5D81806RE	MW-21 A05-D818 A5D81803	MW-22 A05-D818 A5D81804RE	MW-23 A05-D818 A5D81805RE
Sample Date	12/05/2005 11:15	12/05/2005 11:15	12/05/2005 12:05	12/05/2005 12:15	12/05/2005 11:45
Received Date	12/06/2005 08:50	12/06/2005 08:50	12/06/2005 08:50	12/06/2005 08:50	12/06/2005 08:50
Extraction Date	12/07/2005 15:00	12/07/2005 15:00	12/06/2005 15:00	12/07/2005 15:00	12/07/2005 15:00
Analysis Date	12/09/2005 19:56	12/09/2005 21:16	12/09/2005 17:16	12/09/2005 20:22	12/09/2005 20:49
Extraction HT Met?	YES	YES	YES	YES	YES
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample wt/vol	1.0 LITERS	0.97 LITERS	0.99 LITERS	0.99 LITERS	0.99 LITERS
% Dry					

21/29

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	MW-19 A05-D818 A5D81802C	MW-19 A05-D818 A5D81802D	Matrix Spike Blank A05-D818 A5B1890301	Matrix Spike Blank A05-D818 A5B1898401	
Sample Date	12/05/2005 11:15	12/05/2005 11:15			
Received Date	12/06/2005 08:50	12/06/2005 08:50			
Extraction Date	12/07/2005 15:00	12/07/2005 15:00	12/06/2005 15:00	12/07/2005 15:00	
Analysis Date	12/09/2005 19:02	12/09/2005 19:29	12/09/2005 14:36	12/09/2005 17:42	
Extraction HT Met?	YES	YES	-	-	
Analytical HT Met?	YES	YES	-	-	
Sample Matrix	WATER	WATER	WATER	WATER	
Dilution Factor	1.0	1.0	1.0	1.0	
Sample wt/vol	0.35 LITERS	0.35 LITERS	1.0 LITERS	1.0 LITERS	
% Dry					

22/29

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	S Blank A05-D818 A5B1890302	SBLK A05-D818 A5B1898402			
Sample Date					
Received Date					
Extraction Date	12/06/2005 15:00	12/07/2005 15:00			
Analysis Date	12/09/2005 15:02	12/09/2005 18:09			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	1.0			
Sample wt/vol	1.0 LITERS	1.0 LITERS			
% Dry					

23/29

AHT = Analysis Holding Time Met
 THH = TCLP Holding Time Met

STL Buffalo

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met

STL Buffalo

26/29

STL Buffalo

62/29

STL Buffalo

28/29

STL Buffalo

**SEVERN
TRENT** **STL**
Severn Trent Laboratories, Inc.

29:29

TRIBUTION: WHITE - Returned to Client with Report, CANARY - Stays with the Sample, PINK - Field Copy

203.0°

34K050323
Honeywell - Outer Harbor
~~File~~ R-L
LOD



STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A06-2581

STL Project#: NY5A9518
Site Name: MACTEC - Honeywell Buffalo Outer Harbor
Task: Buffalo Outer Harbor

Reviewed and
Approved for use
By: [Signature]

Mr. John Scrabis
MACTEC Engineering&Consulting
700 North Bell Ave. Ste. 200
Pittsburgh, PA 15106

STL Buffalo

[Signature]
Brian J. Fischer
Project Manager

03/21/2006



Severn Trent Laboratories, Inc.

**STL Buffalo
Current Certifications**

As of 12/28/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA, RCRA	252
Wisconsin	CWA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			DATE	TIME	DATE	TIME
A6258103	GW-18R-0306	WATER	03/09/2006	13:40	03/10/2006	09:30
A6258101	GW-19-0306	WATER	03/09/2006	12:30	03/10/2006	09:30
A6258105	GW-21-0306	WATER	03/09/2006	13:00	03/10/2006	09:30
A6258102	GW-22-0306	WATER	03/09/2006	13:15	03/10/2006	09:30
A6258102FD	GW-22-0306	WATER	03/09/2006	13:15	03/10/2006	09:30
A6258102MS	GW-22-0306	WATER	03/09/2006	13:15	03/10/2006	09:30
A6258102SD	GW-22-0306	WATER	03/09/2006	13:15	03/10/2006	09:30
A6258104	GW-23-0306	WATER	03/09/2006	12:45	03/10/2006	09:30

METHODS SUMMARY

Job#: A06-2581

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

PARAMETER	ANALYTICAL METHOD
METHOD 8270 - NITROBENZENE	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A06-2581

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-2581

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The recoveries of sample GW-22-0306 Matrix Spike exhibited results below the quality control limits for Aluminum, Iron, Lead, and Zinc. The recoveries of sample GW-22-0306 Matrix Spike Duplicate exhibited results below the quality control limits for Iron, and Lead. Sample matrix is suspect. The RDP of sample GW-22-0306 Matrix Spike and Matrix Spike Duplicate exceeded the quality control limit for Zinc. However, the LFB was acceptable.

The recoveries of sample GW-22-0306 Matrix Spike exhibited results above the quality control limit for Sodium and below the quality control limit for Manganese. The recoveries of sample GW-22-0306 Matrix Spike Duplicate exhibited results below the quality control limits for Calcium, Magnesium, and Manganese. The sample results are more than four times greater than the spike added. The LFB was acceptable.

The recoveries of sample GW-22-0306 Post Spike exhibited results below the quality control limits for Calcium and Silver. However, the LFB was acceptable.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

8/419

SEVERN
TRENT STLMETHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

9/419

Client No.

GW-18R-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A6258103RESample wt/vol: 1040.0 (g/mL) MLLab File ID: U11087.RRLevel: (low/med) LOWDate Samp/Recv: 03/09/2006 03/10/2006% Moisture: _____ decanted: (Y/N) NDate Extracted: 03/15/2006Concentrated Extract Volume: 1000 (uL)Date Analyzed: 03/16/2006Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

98-95-3-----Nitrobenzene

10

U

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

C This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B This flag is used when the analyte is found in the associated blank, as well as in the sample.

E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D This flag identifies all compounds identified in an analysis at the secondary dilution factor.

N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.

P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".

A This flag indicates that a TIC is a suspected aldol-condensation product.

' Indicates coelution.

* Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.

N Indicates spike sample recovery is not within the quality control limits.

S Indicates value determined by the Method of Standard Addition.

E Indicates a value estimated or not reported due to the presence of interferences.

H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.

* Indicates the spike or duplicate analysis is not within the quality control limits.

+ Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

10/419

Client No.

CW-19-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258101RE

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: U11067.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/15/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg)

CAS NO.	COMPOUND	UG/L	Q
98-95-3-----	Nitrobenzene	10	U

METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

11/419

Client No.

GW-21-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258105RE

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: U11089.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg)

CAS NO.	COMPOUND	UG/L	Q
98-95-3-----	Nitrobenzene	10	U

METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

12/419

Client No.

Lab Name: STL Buffalo

Contract: _____

GW-22-0306

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258102RE

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: U11086.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
98-95-3-----	Nitrobenzene	10	U

METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

13/419

Client No.

Lab Name: STL Buffalo

Contract: _____

GW-22-0306

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258102DE

Sample wt/vol: 1020.0 (g/mL) ML

Lab File ID: U11085.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
98-95-3-----	Nitrobenzene	10	U

METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

14/419

Client No.

GW-23-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258104RE

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: U11088.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO. COMPOUND

98-95-3-----Nitrobenzene

10

Q

U

STL BUFFALO

15/419

MACTEC Engineering & Consultants

-I-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-18R-0306

Contract: NY05-276

Lab Code: STLBFO

Case No.: _____

SAS No.: _____

SDG No.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611114

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14900		N	P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	41.0			P
7440-39-3	Barium	262			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	303000			P
7440-47-3	Chromium	21.7			P
7440-48-4	Cobalt	8.3			P
7440-50-8	Copper	32.1			P
7439-89-6	Iron	19100		N	P
7439-92-1	Lead	95.7		N	P
7439-95-4	Magnesium	55800			P
7439-96-5	Manganese	1220			P
7440-02-0	Nickel	20.8			P
7440-09-7	Potassium	20700			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	18200			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	34.0			P
7440-66-6	Zinc	362		N*	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: NONE

Color After: YELLOW

Clarity After: PREC/CL

Artifacts: _____

Comments: _____

STL BUFFALO

16/419

 MACTEC Engineering & Consultants
 -I-
 INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-19-0306

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611109

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1950	N		P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	32.8			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	78200			P
7440-47-3	Chromium	36.4			P
7440-48-4	Cobalt	4.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	656	N		P
7439-92-1	Lead	5.0	U	N	P
7439-95-4	Magnesium	700			P
7439-96-5	Manganese	17.7			P
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium	294000			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	20100			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	16.4			P
7440-66-6	Zinc	16.2	N*		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: NONE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

STL BUFFALO

17/419

 MACTEC Engineering & Consultants
 -I-
 INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-21-0306

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611116

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U	N	P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	40.2			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	32600			P
7440-47-3	Chromium	4.0	U		P
7440-48-4	Cobalt	4.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	231		N	P
7439-92-1	Lead	5.0	U	N	P
7439-95-4	Magnesium	5260			P
7439-96-5	Manganese	6.8			P
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium	15700			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	10900			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	5.0	U		P
7440-66-6	Zinc	13.0	N*		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: NONE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

STL BUFFALO

18/419

MACTEC Engineering & Consultants

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-22-0306

Contract: NY05-276

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611110

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8560		N	P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	213			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	309000			P
7440-47-3	Chromium	17.5			P
7440-48-4	Cobalt	5.6			P
7440-50-8	Copper	65.4			P
7439-89-6	Iron	19800		N	P
7439-92-1	Lead	173		N	P
7439-95-4	Magnesium	83900			P
7439-96-5	Manganese	1160			P
7440-02-0	Nickel	19.6			P
7440-09-7	Potassium	38300			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	60900			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	16.0			P
7440-66-6	Zinc	187		N*	P

Color Before: BROWN Clarity Before: CLOUDY Texture: NONE

Color After: YELLOW Clarity After: PREC/CL Artifacts:

Comments:

Form I - IN

SW846 3RD ED.

STL BUFFALO

19/419

MACTEC Engineering & Consultants

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-22-0306\FD

Contract: NY05-276

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611111

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5770		N	P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	181			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	296000			P
7440-47-3	Chromium	11.6			P
7440-48-4	Cobalt	4.0	U		P
7440-50-8	Copper	47.0			P
7439-89-6	Iron	14900		N	P
7439-92-1	Lead	107		N	P
7439-95-4	Magnesium	79100			P
7439-96-5	Manganese	1050			P
7440-02-0	Nickel	14.8			P
7440-09-7	Potassium	37600			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	60400			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	10.2			P
7440-66-6	Zinc	125		N*	P

Color Before: BROWN Clarity Before: CLOUDY Texture: NONE

Color After: YELLOW Clarity After: PREC/CL Artifacts:

Comments:

Form I - IN

SW846 3RD ED.

STL BUFFALO

20/419

MACTEC Engineering & Consultants
-I-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-23-0306

Contract: NY05-276

Lab Code: STLBFO Case No.: SAS No.: SDG No.: A06-2581

Matrix (soil/water): WATER Lab Sample ID: AD611115

Level (low/med): LOW Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1780	N		P
7440-36-0	Antimony	40.9			P
7440-38-2	Arsenic	16.8			P
7440-39-3	Barium	306			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	230000			P
7440-47-3	Chromium	7.2			P
7440-48-4	Cobalt	4.0	U		P
7440-50-8	Copper	82.6			P
7439-89-6	Iron	12400	N		P
7439-92-1	Lead	69.1	N		P
7439-95-4	Magnesium	57600			P
7439-96-5	Manganese	972			P
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium	61300			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	38300			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	5.0			P
7440-66-6	Zinc	163	N*		P

Color Before: BROWN Clarity Before: CLOUDY Texture: NONE

Color After: YELLOW Clarity After: PREC/CL Artifacts:

Comments:

Form I - IN

SW846 3RD ED.

METHOD 8270 - NITROBENZENE
WATER SURROGATE RECOVERY

21/419

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECHY

Case No.: _____

SAS No.: _____

SDG No.: _____

Client Sample ID	Lab Sample ID	ZFP #REC	FBP #REC	NBZ #REC	PHL #REC	TBP #REC	TPH #REC	TOT OUT
1 GW-18R-0306	A6258103RE	36	67	63	28	83	71	0
2 GW-19-0306	A6258101RE	35	74	66	28	86	84	0
3 GW-21-0306	A6258105RE	30	65	58	24	85	83	0
4 GW-22-0306	A6258102C	31	71	63	25	84	84	0
5 GW-22-0306	A6258102D	31	72	64	27	90	91	0
6 GW-22-0306	A6258102DE	32	66	60	26	81	78	0
7 GW-22-0306	A6258102RE	35	72	67	29	89	85	0
8 GW-23-0306	A6258104RE	32	70	62	26	92	85	0
9 MSB62	A681520901	34	70	66	29	84	88	0
10 SBLK62	A681520902	42	76	77	32	87	89	0

QC LIMITS

ZFP = 2-Fluorophenol (21-120)
 FBP = 2-Fluorobiphenyl (21-120)
 NBZ = Nitrobenzene-D5 (52-120)
 PHL = Phenol-D5 (13-120)
 TBP = 2,4,6-Tribromophenol (62-133)
 TPH = p-Torphenyl-d14 (36-138)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

FORM 11 - GC/MS BNA

METHOD 8270 - NITROBENZENE
WATER MATRIX SPIKE BLANK RECOVERY

22/419

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6B1520902

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: SBLK62

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Nitrobenzene	100	71.8	72	49 - 120

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

* Values outside of QC limits

Spike recovery: 0 out of 1 outside limits

Comments: _____

METHOD 8270 - NITROBENZENE
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

23/419

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6258102RE

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: GW-22-0306

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Nitrobenzene	97.0	0	66.3	68	49 - 120

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Nitrobenzene	97.0	66.4	68	0	24 49 - 120

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

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike recovery: 0 out of 2 outside limits

Comments: _____

STL BUFFALO

24/419

MACTEC Engineering & Consultants
-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GW-22-0306\MS

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	13530.2002		8557.8096		10000.00	49.7	N	P
Antimony	75 - 125	214.9400		20.0000	U	200.00	107.5		P
Arsenic	75 - 125	215.8900		10.0000	U	200.00	107.9		P
Barium	75 - 125	368.0400		212.8900		200.00	77.6		P
Beryllium	75 - 125	198.1800		2.0000	U	200.00	99.1		P
Cadmium	75 - 125	195.6400		1.0000	U	200.00	97.8		P
Calcium		319208.5938		309291.9063		10000.00	99.2		P
Chromium	75 - 125	199.5900		17.5400		200.00	91.0		P
Cobalt	75 - 125	196.8300		5.5500		200.00	95.6		P
Copper	75 - 125	236.3600		65.4000		200.00	85.5		P
Iron	75 - 125	20632.9902		19821.8203		10000.00	8.1	N	P
Lead	75 - 125	261.6100		172.8900		200.00	44.4	N	P
Magnesium		95359.0781		83929.8984		10000.00	114.3		P
Manganese		1225.9399		1157.5601		200.00	34.2		P
Nickel	75 - 125	208.6300		19.6500		200.00	94.5		P
Potassium	75 - 125	49326.1406		38342.3906		10000.00	109.8		P
Selenium	75 - 125	208.1400		15.0000	U	200.00	104.1		P
Silver	75 - 125	52.8500		3.0000	U	50.00	105.7		P
Mercury	75 - 125	6.8333		0.2000	U	6.67	102.4		CV
Sodium		74921.5781		60892.7813		10000.00	140.3		P
Thallium	75 - 125	202.8900		20.0000	U	200.00	101.4		P
Vanadium	75 - 125	205.9500		16.0200		200.00	95.0		P
Zinc	75 - 125	261.7900		187.0400		200.00	37.4	N	P

Comments:

STL BUFFALO

25/419

MACTEC Engineering & Consultants
-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GW-22-0306\SD

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	16401.4395		8557.8096		10000.00	78.4		P
Antimony	75 - 125	213.3200		20.0000	U	200.00	106.7		P
Arsenic	75 - 125	215.1100		10.0000	U	200.00	107.6		P
Barium	75 - 125	396.9100		212.8900		200.00	92.0		P
Beryllium	75 - 125	197.0900		2.0000	U	200.00	98.5		P
Cadmium	75 - 125	194.4400		1.0000	U	200.00	97.2		P
Calcium		307471.5938		309291.9063		10000.00	-18.2		P
Chromium	75 - 125	204.6900		17.5400		200.00	93.6		P
Cobalt	75 - 125	196.9300		5.5500		200.00	95.7		P
Copper	75 - 125	250.1200		65.4000		200.00	92.4		P
Iron	75 - 125	25163.0195		19821.8203		10000.00	53.4	N	P
Lead	75 - 125	312.7000		172.8900		200.00	69.9	N	P
Magnesium		89880.1172		83929.8984		10000.00	59.5		P
Manganese		1258.4700		1157.5601		200.00	50.5		P
Nickel	75 - 125	210.7200		19.6500		200.00	95.5		P
Potassium		49711.3789		38342.3906		10000.00	113.7		P
Selenium	75 - 125	199.5100		15.0000	U	200.00	99.8		P
Silver	75 - 125	51.9700		3.0000	U	50.00	103.9		P
Mercury	75 - 125	6.8500		0.2000	U	6.67	102.7		CV
Sodium		72330.2188		60892.7813		10000.00	114.4		P
Thallium	75 - 125	199.4900		20.0000	U	200.00	99.7		P
Vanadium	75 - 125	209.4900		16.0200		200.00	96.7		P
Zinc	75 - 125	338.9600		187.0400		200.00	76.0		P

Comments:

STL BUFFALO

26/419

MACTEC Engineering & Consultants
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

GW-22-0306A

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Aluminum	75 - 125	18508.65		8557.81		10000.0	99.5	P	
Antimony	75 - 125	217.86		20.00	U	200.0	108.9	P	
Arsenic	75 - 125	215.50		10.00	U	200.0	107.8	P	
Barium	75 - 125	422.60		212.89		200.0	104.9	P	
Beryllium	75 - 125	198.05		2.00	U	200.0	99.0	P	
Cadmium	75 - 125	195.85		1.00	U	200.0	97.9	P	
Calcium	75 - 125	312808.50		309291.91		10000.0	35.2	P	
Chromium	75 - 125	211.15		17.54		200.0	96.8	P	
Cobalt	75 - 125	195.56		5.55		200.0	95.0	P	
Copper	75 - 125	275.81		65.40		200.0	105.2	P	
Iron	75 - 125	29221.56		19821.82		10000.0	94.0	P	
Lead	75 - 125	367.97		172.89		200.0	97.5	P	
Magnesium	75 - 125	92354.76		83929.90		10000.0	84.2	P	
Manganese	75 - 125	1328.69		1157.56		200.0	85.6	P	
Nickel	75 - 125	216.95		19.65		200.0	98.6	P	
Potassium	75 - 125	48816.36		38342.39		10000.0	104.7	P	
Selenium	75 - 125	208.56		15.00	U	200.0	104.3	P	
Silver	75 - 125	24.97		3.00	U	50.0	49.9	P	
Sodium	75 - 125	70360.14		60892.78		10000.0	94.7	P	
Thallium	75 - 125	203.64		20.00	U	200.0	101.8	P	
Vanadium	75 - 125	215.13		16.02		200.0	99.6	P	
Zinc	75 - 125	370.03		187.04		200.0	91.5	P	

Comments:

Form V (PART 2) - IN

SW846 3RD ED.

27/419

STL BUFFALO

MACTEC Engineering & Consultants

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DUPLICATES

SAMPLE NO.

GW-22-0306\SD

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		13530.2002		16401.4395		19.2	P	
Antimony		214.9400		213.3200		0.8	P	
Arsenic		215.8900		215.1100		0.4	P	
Barium		368.0400		396.9100		7.5	P	
Beryllium		198.1800		197.0900		0.6	P	
Cadmium		195.6400		194.4400		0.6	P	
Calcium		319208.5938		307471.5938		3.7	P	
Chromium		199.5900		204.6900		2.5	P	
Cobalt		196.8300		196.9300		0.1	P	
Copper		236.3600		250.1200		5.7	P	
Iron		20632.9902		25163.0195		19.8	P	
Lead		261.6100		312.7000		17.8	P	
Magnesium		95359.0781		89880.1172		5.9	P	
Manganese		1225.9399		1258.4700		2.6	P	
Nickel		208.6300		210.7200		1.0	P	
Potassium		49326.1406		49711.3789		0.8	P	
Selenium		208.1400		199.5100		4.2	P	
Silver		52.8500		51.9700		1.7	P	
Mercury		6.8333		6.8500		0.2	CV	
Sodium		74921.5781		72330.2188		3.5	P	
Thallium		202.8900		199.4900		1.7	P	
Vanadium		205.9500		209.4900		1.7	P	
Zinc		261.7900		338.9600		25.7	* P	

Form VI - IN

SW846 3RD ED.

METHOD 8270 - NITROBENZENE
METHOD BLANK SUMMARY

28/419

Client No.

Lab Name: STL Buffalo Contract: _____
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID: U11066.RR Lab Sample ID: A6B1520902
Instrument ID: HP5973U Date Extracted: 03/15/2006
Matrix: (soil/water) WATER Date Analyzed: 03/15/2006
Level: (low/med) LOW Time Analyzed: 21:15

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	GW-18R-0306	A6258103RE	U11087.RR	03/16/2006
2	GW-19-0306	A6258101RE	U11067.RR	03/15/2006
3	GW-21-0306	A6258105RE	U11089.RR	03/16/2006
4	GW-22-0306	A6258102C	U11068.RR	03/15/2006
5	GW-22-0306	A6258102D	U11084.RR	03/16/2006
6	GW-22-0306	A6258102DE	U11085.RR	03/16/2006
7	GW-22-0306	A6258102RE	U11086.RR	03/16/2006
8	GW-23-0306	A6258104RE	U11088.RR	03/16/2006
9	MSB62	A6B1520901	U11083.RR	03/16/2006

Comments: _____

METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

29/419

Client No.

Lab Name: STL Buffalo Contract: _____
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: A6B1520902
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: U11066.RR
Level: (low/med) LOW Date Samp/Recv: _____
% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/15/2006
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/15/2006
Injection Volume: 1.00 (uL) Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
98-95-3-----	Nitrobenzene		10	U

STL BUFFALO

MACTEC Engineering & Consultants

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BLANKS

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
		1	2	3	4	5	6			
Aluminum	200.0 U	200.0 U	200.0 U	200.0 U	200.0 U	200.0 U	200.0 U	200.000	U	P
Antimony	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.000	U	P
Arsenic	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.000	U	P
Barium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.000	U	P
Beryllium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.000	U	P
Cadmium	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.000	U	P
Calcium	500.0 U	500.0 U	500.0 U	500.0 U	500.0 U	500.0 U	500.0 U	500.000	U	P
Chromium	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.000	U	P
Cobalt	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.000	U	P
Copper	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.000	U	P
Iron	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.000	U	P
Lead	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.000	U	P
Magnesium	200.0 U	200.0 U	200.0 U	200.0 U	200.0 U	200.0 U	200.0 U	200.000	U	P
Manganese	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.000	U	P
Nickel	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.000	U	P
Potassium	500.0 U	500.0 U	500.0 U	500.0 U	500.0 U	500.0 U	500.0 U	500.000	U	P
Selenium	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.000	U	P
Silver	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.000	U	P
Sodium	1000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.000	U	P
Thallium	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.000	U	P
Vanadium	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.000	U	P
Zinc	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.000	U	P

Comments:

STL BUFFALO

MACTEC Engineering & Consultants

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BLANKS

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
		1	2	3	4	5	6			
Aluminum		200.0 U	200.0 U	200.0 U	200.0 U	200.0 U	200.0 U			P
Antimony		20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U			P
Arsenic		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U			P
Barium		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U			P
Beryllium		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U			P
Cadmium		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			P
Calcium		500.0 U	500.0 U	500.0 U	500.0 U	500.0 U	500.0 U			P
Chromium		4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U			P
Cobalt		4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U			P
Copper		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U			P
Iron		50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U			P
Lead		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U			P
Magnesium		200.0 U	200.0 U	200.0 U	200.0 U	200.0 U	200.0 U			P
Manganese		3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U			P
Nickel		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U			P
Potassium		500.0 U	500.0 U	500.0 U	500.0 U	500.0 U	500.0 U			P
Selenium		15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U			P
Silver		3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U			P
Sodium		1000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.0 U			P
Thallium		20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U			P
Vanadium		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U			P
Zinc		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U			P

Comments:

32/419

STL BUFFALO

MACTEC Engineering & Consultants

-3-

BLANKS

Contract: NY05-276

Lab Code: STLBFL0 Case No.: _____ SAS No.: _____ SDG NO.: A06-2581Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank		
		1	2	3						
Aluminum		200.0 U								P
Antimony		20.0 U								P
Arsenic		10.0 U								P
Barium		2.0 U								P
Beryllium		2.0 U								P
Cadmium		1.0 U								P
Calcium		500.0 U								P
Chromium		4.0 U								P
Cobalt		4.0 U								P
Copper		10.0 U								P
Iron		50.0 U								P
Lead		5.0 U								P
Magnesium		200.0 U								P
Manganese		3.0 U								P
Nickel		10.0 U								P
Potassium		500.0 U								P
Selenium		15.0 U								P
Silver		3.0 U								P
Sodium		1000.0 U								P
Thallium		20.0 U								P
Vanadium		5.0 U								P
Zinc		10.0 U								P

Comments:

Form III - IN

SW846 3RD ED.

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STL BUFFALO

MACTEC Engineering & Consultants

-3-

BLANKS

Contract: NY05-276

Lab Code: STLBFL0 Case No.: _____ SAS No.: _____ SDG NO.: A06-2581Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)				Preparation Blank	
		1	2	3			
Mercury	-0.2	-0.2	-0.2	-0.1	-0.305		CV

Comments:

Form III - IN

SW846 3RD ED.

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STL BUFFALO

MACTEC Engineering & Consultants

-3-

BLANKS

Contract: NY05-276

Lab Code: STLBFL0 Case No.: SAS No.: SDG NO.: A06-2581

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		
Mercury			-0.2							CV

Comments:

Form III - IN

SW846 3RD ED.

35/419

METHOD 8270 - NITROBENZENE
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: Labsampid: A6C0003837

Lab Code: RECMY Case No.: SAS No.: SDG No.:

Lab File ID (Standard): U11049_RR Date Analyzed: 03/15/2006

Instrument ID: HP5973U Time Analyzed: 14:28

		IS1 (ANT)		IS2 (CRY)		IS3 (DCB)		
		AREA	RT #	AREA	RT #	AREA	RT #	
=====		=====	=====	=====	=====	=====	=====	
12 HOUR STD		491011	10.92	910192	15.53	191858	6.37	
UPPER LIMIT		982022	11.42	1820384	16.03	383716	6.87	
LOWER LIMIT		245506	10.42	455096	15.03	95929	5.87	
=====		=====	=====	=====	=====	=====	=====	
CLIENT SAMPLE		Lab Sample ID						
=====		=====	=====	=====	=====	=====	=====	
1	GW-19-0306	A6258101RE	443053	10.92	886812	15.53	177306	6.37
2	GW-22-0306	A6258102C	477423	10.92	864768	15.53	184268	6.37
3	SBLK62	A681520902	452949	10.92	898731	15.53	181328	6.37

AREA UNIT
QC LIMITSRT
QC LIMITS

IS1 (ANT) = Acenaphthene-D10

(50-200) -0.50 / +0.50 min

IS2 (CRY) = Chrysene-D12

(50-200) -0.50 / +0.50 min

IS3 (DCB) = 1,4-Dichlorobenzene-D4

(50-200) -0.50 / +0.50 min

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM VIII GC/MS BNA - 1

METHOD 8270 - NITROBENZENE
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

36/419

Lab Name: STL Buffalo Contract: _____ Labsampid: A6C0003837
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID (Standard): U11069.RR Date Analyzed: 03/15/2006
Instrument ID: HP5973U Time Analyzed: 14:28

		IS4 (NPT) AREA # RT #	IS5 (PHN) AREA # RT #	IS6 (PRY) AREA # RT #
12 HOUR STD		769490 8.28	799763 12.91	947306 16.87
UPPER LIMIT		1538980 8.78	1599526 13.41	1894612 17.37
LOWER LIMIT		384745 7.78	399882 12.41	473653 16.37
CLIENT SAMPLE	Lab Sample ID			
1 GW-19-0306	A6258101RE	705471 8.28	743818 12.91	850373 16.87
2 GW-22-0306	A6258102C	755622 8.28	791196 12.91	889389 16.87
3 SRLK62	A681520902	716580 8.28	759766 12.91	860663 16.87

AREA UNIT RT
QC LIMITS QC LIMITS

IS4 (NPT) = Naphthalene-DB (50-200) -0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10 (50-200) -0.50 / +0.50 min
IS6 (PRY) = Perylene-D12 (50-200) -0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8270 - NITROBENZENE
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

37/419

Lab Name: STL Buffalo Contract: _____ Labsampid: A6C0003851
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID (Standard): U11081.RR Date Analyzed: 03/16/2006
Instrument ID: HP5973U Time Analyzed: 13:29

		IS1 (ANT) AREA # RT #	IS2 (CRY) AREA # RT #	IS3 (DCB) AREA # RT #
12 HOUR STD		480445 10.90	849276 15.51	181705 6.34
UPPER LIMIT		960890 11.40	1680552 16.01	363410 6.84
LOWER LIMIT		240223 10.40	420138 15.01	90853 5.84
CLIENT SAMPLE	Lab Sample ID			
1 GW-18R-0306	A6258103RE	484105 10.90	905333 15.51	181140 6.34
2 GW-21-0306	A6258105RE	447985 10.90	877241 15.51	170622 6.34
3 GW-22-0306	A6258102D	508071 10.90	896488 15.52	192883 6.34
4 GW-22-0306	A6258102DE	473838 10.90	911389 15.51	179698 6.34
5 GW-22-0306	A6258102RE	493524 10.90	923636 15.51	186552 6.34
6 GW-23-0306	A6258104RE	489016 10.90	966489 15.51	185715 6.34
7 MSB62	A681520901	457348 10.90	825397 15.51	170169 6.34

AREA UNIT RT
QC LIMITS QC LIMITS

IS1 (ANT) = Acenaphthene-D10 (50-200) -0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12 (50-200) -0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4 (50-200) -0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8270 - NITROBENZENE
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARYLab Name: SIL Buffalo Contract: _____ Labsampid: A6C0003851Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Lab File ID (Standard): U11081.RR Date Analyzed: 03/16/2006Instrument ID: HP5973U Time Analyzed: 13:29

		IS4 (NPT)		IS5 (PHN)		IS6 (PRT)			
		AREA	#	RT	#	AREA	#	RT	#
=====		=====		=====		=====		=====	
12 HOUR STD		724869		8.26		838500	12.89	828372	16.85
UPPER LIMIT		1449738		8.76		1677000	13.39	1656744	17.35
LOWER LIMIT		362435		7.76		419250	12.39	414186	16.35
=====		=====		=====		=====		=====	
CLIENT SAMPLE		Lab Sample ID		=====		=====		=====	
1	GW-18R-0306	A6258103RE	761090	8.26		815942	12.89	851084	16.84
2	GW-21-0306	A6258105RE	696002	8.26		756254	12.89	802858	15.84
3	GW-22-0306	A6258102D	790199	8.26		862367	12.89	867954	16.85
4	GW-22-0306	A6258102DE	731131	8.26		813947	12.89	820636	16.84
5	GW-22-0306	A6258102RE	755723	8.26		821599	12.89	841251	16.84
6	GW-23-0306	A6258104RE	755633	8.26		848390	12.89	860509	16.84
7	MSB62	A6815209D1	698600	8.26		779602	12.89	787353	16.85

AREA UNIT
QC LIMITSRT
QC LIMITSIS4 (NPT) = Naphthalene-D8
IS5 (PHN) = Phenanthrene-D10
IS6 (PRT) = Perylene-D12(50-200) -0.50 / +0.50 min
(50-200) -0.50 / +0.50 min
(50-200) -0.50 / +0.50 min# Column to be used to flag recovery values
* Values outside of contract required QC limits

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			DATE	TIME	DATE	TIME
A6258103	GW-18R-0306	WATER	03/09/2006	13:40	03/10/2006	09:30
A6258101	GW-19-0306	WATER	03/09/2006	12:30	03/10/2006	09:30
A6258105	GW-21-0306	WATER	03/09/2006	13:00	03/10/2006	09:30
A6258102	GW-22-0306	WATER	03/09/2006	13:15	03/10/2006	09:30
A6258102FD	GW-22-0306	WATER	03/09/2006	13:15	03/10/2006	09:30
A6258102MS	GW-22-0306	WATER	03/09/2006	13:15	03/10/2006	09:30
A6258102SD	GW-22-0306	WATER	03/09/2006	13:15	03/10/2006	09:30
A6258104	GW-23-0306	WATER	03/09/2006	12:45	03/10/2006	09:30

METHODS SUMMARY

Job#: A06-2581

STL Project#: NY5A9518
 Site Name: MACTEC - Honeywell Buffalo Outer Harbor

PARAMETER	ANALYTICAL METHOD
METHOD 8270 - NITROBENZENE	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A06-2581

STL Project#: NY5A9518
 Site Name: MACTEC - Honeywell Buffalo Outer Harbor

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-2581

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
 All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The recoveries of sample GW-22-0306 Matrix Spike exhibited results below the quality control limits for Aluminum, Iron, Lead, and Zinc. The recoveries of sample GW-22-0306 Matrix Spike Duplicate exhibited results below the quality control limits for Iron, and Lead. Sample matrix is suspect. The RDP of sample GW-22-0306 Matrix Spike and Matrix Spike Duplicate exceeded the quality control limit for Zinc. However, the LFB was acceptable.

The recoveries of sample GW-22-0306 Matrix Spike exhibited results above the quality control limit for Sodium and below the quality control limit for Manganese. The recoveries of sample GW-22-0306 Matrix Spike Duplicate exhibited results below the quality control limits for Calcium, Magnesium, and Manganese. The sample results are more than four times greater than the spike added. The LFB was acceptable.

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The recoveries of sample GW-22-0306 Post Spike exhibited results below the quality control limits for Calcium and Silver. However, the LFB was acceptable.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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Chain Of Custody Documentation

Chain of
Custody Record

SEVERN
TRENT
STL
Severn Trent Laboratories, Inc.

STL 4124 (0901)

Client MACTEC		Project Manager John Scrabis		Date 3/9/06	Chain of Custody Number 213995
Address 700 N. Bell Ave Suite 200		Telephone Number (Area Code)/Fax Number (412) 279-6661		Lab Number	Page 1 of 1
City Pittsburgh	State PA	Zip Code 15106	Ship/Contact Ray Orloski	Lab Contact Brian Fisher	Analysis (Attach list if more space is needed)
Project Name and Location (State) Buffalo Outer Harbor			Carrier/Waybill Number 3		
Contract/Purchase Order/Quote No.					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix						Containers & Preservatives						Method - Nitrochem	TAL in (%) Supp	
			2	3	4	5	6	7	Unpres	H2SO4	HNO3	HCl	HOAc	ZnAc2 HNO3			
GW-19-0306	3/9/06	1230	X					2						X	X		
GW-22-0306		1315	X					2						X	X		
GW-22D-0306		1315	X					2						X	X		
GW-22MS-0306		1315	X					2						X	X		
GW-22MSD-0306		1315	X					2						X	X		
GW-18R-0306		1340	X					2						X	X		
GW-23-0306		1245	X					2						X	X		
GW-21-0306		1300	X					2						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 Standard		QC Requirements (Specify)			
1. Relinquished By Don D. Orloski	Date 3/9/06	Time 1731	1. Received By Ed Ex 8434 4099 5574	Date 3/9/06	Time 1731
2. Relinquished By	Date	Time	2. Received By D. C.	Date 3/10/06	Time 0930
3. Relinquished By	Date	Time	3. Received By	Date	Time

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

2@2.0

Date: 03/10/2006
Time: 13:46:24

STL Buffalo
Sample Inventory

Page: 1
Rept: AN0383

Job No: A06-2581 Client: MACTEC Engineering & Consultants Project: NY5A9518 SDG: Case: SMO No: No. Samps: 5				Radiation Check: YES Custody Seal: YES Chain of Custody: YES Sample Tags: NO Sample Tag Numbers: NO SMO Forms: NO CLIS: NO				Cooler Temperature: 282.0°C			
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres Log	Code	PH	
03/09/2006 12:30	03/10/2006 09:30	GW-19-0306	A6258101	Good	2-11GA 1-16ozP	TCL BN 23METAL	RECNY	0100	0001	<2	
03/09/2006 13:15	03/10/2006 09:30	GW-22-0306	A6258102	Good	2-11GA 1-16ozP	TCL BN 23METAL	RECNY	0100	0001	<2	
03/09/2006 13:15	03/10/2006 09:30	GW-22-0306	A6258102FD	Good	2-11GA 1-16ozP	TCL BN 23METAL	RECNY	0100	0001	<2	
03/09/2006 13:15	03/10/2006 09:30	GW-22-0306	A6258102MS	Good	2-11GA 1-16ozP	TCL BN 23METAL	RECNY	0100	0001	<2	
03/09/2006 13:15	03/10/2006 09:30	GW-22-0306	A6258102SD	Good	2-11GA 1-16ozP	TCL BN 23METAL	RECNY	0100	0001	<2	
03/09/2006 13:40	03/10/2006 09:30	GW-18R-0306	A6258103	Good	2-11GA 1-16ozP	TCL BN 23METAL	RECNY	0100	0001	<2	
03/09/2006 12:45	03/10/2006 09:30	GW-23-0306	A6258104	Good	2-11GA 1-16ozP	TCL BN 23METAL	RECNY	0100	0001	<2	
03/09/2006 13:00	03/10/2006 09:30	GW-21-0306	A6258105	Good	2-11GA 1-16ozP	TCL BN 23METAL	RECNY	0100	0001	<2	

Sample Custodian: US 3/10/2006

Analytical Services Coordinator: / /20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4*) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCA (Mono chloroacetic acid)

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8270 Semivolatiles

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QC Summary

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METHOD 8270 - NITROBENZENE
WATER SURROGATE RECOVERYLab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

	Client Sample ID	Lab Sample ID	ZFP %REC #	FBP %REC #	NBZ %REC #	PHL %REC #	TBP %REC #	TPH %REC #		TOT OUT
1	GW-18R-0306	A6258103RE	36	67	63	28	83	71		0
2	GW-19-0306	A6258101RE	35	74	66	28	86	84		0
3	GW-21-0306	A6258105RE	30	65	58	24	85	83		0
4	GW-22-0306	A6258102C	31	71	63	25	84	84		0
5	GW-22-0306	A6258102D	31	72	64	27	90	91		0
6	GW-22-0306	A6258102DE	32	66	60	26	81	78		0
7	GW-22-0306	A6258102RE	35	72	67	29	89	85		0
8	GW-23-0306	A6258104RE	32	70	62	26	92	85		0
9	MS862	A681520901	34	70	66	29	84	88		0
10	SBK62	A681520902	42	76	77	32	87	89		0

QC LIMITS

ZFP	=	2-Fluorophenol	(21-120)
FBP	=	2-Fluorobiphenyl	(21-120)
NBZ	=	Nitrobenzene-D5	(52-120)
PHL	=	Phenol-D5	(13-120)
TBP	=	2,4,6-Tribromophenol	(62-133)
TPH	=	p-Terphenyl-d14	(36-138)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

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METHOD 8270 - NITROBENZENE
WATER MATRIX SPIKE BLANK RECOVERYLab Name: STL Buffalo

Contract: _____

Lab Samp ID: A6B1520902Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: SBK62

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Nitrobenzene	100	71.8	72	49 - 120

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

* Values outside of QC limits

Spike recovery: 0 out of 1 outside limits

Comments: _____

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METHOD 8270 - NITROBENZENE
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6258102RE

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: GW-22-0306

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Nitrobenzene	97.0	0	66.3	68	49 - 120

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS REC.
Nitrobenzene	97.0	66.4	68	0	24 49 - 120

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

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike recovery: 0 out of 2 outside limits

Comments: _____

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METHOD 8270 - NITROBENZENE
METHOD BLANK SUMMARY

Client No.

Lab Name: STL Buffalo Contract: _____

SBLK62

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: U11066.RR Lab Sample ID: A6B1520902

Instrument ID: HP5973U Date Extracted: 03/15/2006

Matrix: (soil/water) WATER Date Analyzed: 03/15/2006

Level: (low/med) LOW Time Analyzed: 21:15

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	GW-18R-0306	A6258103RE	U11087.RR	03/16/2006
2	GW-19-0306	A6258101RE	U11067.RR	03/15/2006
3	GW-21-0306	A6258105RE	U11089.RR	03/16/2006
4	GW-22-0306	A6258102C	U11068.RR	03/15/2006
5	GW-22-0306	A6258102D	U11084.RR	03/16/2006
6	GW-22-0306	A6258102DE	U11085.RR	03/16/2006
7	GW-22-0306	A6258102RE	U11086.RR	03/16/2006
8	GW-23-0306	A6258104RE	U11088.RR	03/16/2006
9	MSB62	A6B1520901	U11083.RR	03/16/2006

Comments: _____

MACTEC ENGINEERING & CONSULTANTS
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

54/419

Lab Name: STL Buffalo Contract: _____ Tune ID: A6T0000703
Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID: U11036 DFTPP Injection Date: 03/15/2006
Instrument ID: HP5973U DFTPP Injection Time: 09:11

m/e	ION Abundance Criteria	% Relative Abundance
51	30.0 - 60.0% of mass 198	45.4
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Present	48.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	40.0 - 60.0% of mass 198	46.6
197	Less than 1.0% of mass 198	0.4
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	22.7
365	Greater than 1.00% of mass 198	3.4
441	Present, but less than mass 443	9.5
442	40.0 - 110.0% of mass 198	60.1
443	17.0 - 23.0% of mass 442	11.4 (19.0) 2

1-Value is % mass 69

2-Value is % mass 442

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD010	A6I0001259-1	U11037.RR	03/15/2006	09:50
2	SSTD050	A6I0001259-1	U11038.RR	03/15/2006	10:14
3	SSTD080	A6I0001259-1	U11039.RR	03/15/2006	10:38
4	SSTD120	A6I0001259-1	U11040.RR	03/15/2006	11:02
5	SSTD160	A6I0001259-1	U11041.RR	03/15/2006	11:26

FORM V SV

MACTEC ENGINEERING & CONSULTANTS
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

55/419

Lab Name: STL Buffalo Contract: _____ Tune ID: A6T0000713
Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID: U11048 DFTPP Injection Date: 03/15/2006
Instrument ID: HP5973U DFTPP Injection Time: 14:12

m/e	ION Abundance Criteria	% Relative Abundance
51	30.0 - 60.0% of mass 198	48.4
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Present	50.2
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	40.0 - 60.0% of mass 198	48.9
197	Less than 1.0% of mass 198	0.2
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	21.8
365	Greater than 1.00% of mass 198	3.0
441	Present, but less than mass 443	8.2
442	40.0 - 110.0% of mass 198	52.1
443	17.0 - 23.0% of mass 442	9.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD050	A6C0003837-1	U11049.RR	03/15/2006	14:28
2	SBLK62	A6B1520902	U11066.RR	03/15/2006	21:15
3	GW-19-0306	A6258101RE	U11067.RR	03/15/2006	21:39
4	GW-22-0306	A6258102C	U11068.RR	03/15/2006	22:03

FORM V SV

MACTEC ENGINEERING & CONSULTANTS
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

56/419

Lab Name: STL Buffalo Contract: _____ Tune ID: A6T0000731
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID: U11080 DFTPP Injection Date: 03/16/2006
Instrument ID: HP5973U DFTPP Injection Time: 13:12

m/e	ION Abundance Criteria	% Relative Abundance
51	30.0 - 60.0% of mass 198	48.1
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Present	49.4
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	40.0 - 60.0% of mass 198	48.1
197	Less than 1.0% of mass 198	0.3
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.6
365	Greater than 1.00% of mass 198	2.8
441	Present, but less than mass 443	7.6
442	40.0 - 110.0% of mass 198	49.4
443	17.0 - 23.0% of mass 442	9.5 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD050	A6C0003851-1	U11081.RR	03/16/2006	13:29
2	MSB62	A6B1520901	U11083.RR	03/16/2006	14:18
3	GW-22-0306	A6258102D	U11084.RR	03/16/2006	14:42
4	GW-22-0306	A6258102DE	U11085.RR	03/16/2006	15:06
5	GW-22-0306	A6258102RE	U11086.RR	03/16/2006	15:30
6	GW-18R-0306	A6258103RE	U11087.RR	03/16/2006	15:54
7	GW-23-0306	A6258104RE	U11088.RR	03/16/2006	16:18
8	GW-21-0306	A6258105RE	U11089.RR	03/16/2006	16:42

METHOD 8270 - NITROBENZENE
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

57/419

Lab Name: STL Buffalo Contract: _____ Labsampid: A6C0003837
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID (Standard): U11049.RR Date Analyzed: 03/15/2006
Instrument ID: HP5973U Time Analyzed: 14:28

		IS1 (ANT)	RT	IS2 (CRY)	RT	IS3 (DCB)	RT
		AREA	#	AREA	#	AREA	#
12 HOUR STD		491011	10.92	910192	15.53	191858	6.37
UPPER LIMIT		982022	11.42	1820384	16.03	383716	6.87
LOWER LIMIT		245506	10.42	455096	15.03	95929	5.87
CLIENT SAMPLE	Lab Sample ID						
1 GW-19-0306	A6258101RE	443053	10.92	886812	15.53	177306	6.37
2 GW-22-0306	A6258102C	477423	10.92	864768	15.53	184268	6.37
3 SBLK62	A6B1520902	452949	10.92	898731	15.53	181328	6.37

AREA UNIT RT
QC LIMITS QC LIMITS

IS1 (ANT) = Acenaphthene-D10 (50-200) -0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12 (50-200) -0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4 (50-200) -0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

58/419

METHOD 8270 - NITROBENZENE
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: SL Buffalo Contract: _____ Labsampid: A6C0003837
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID (Standard): U11049.R2 Date Analyzed: 03/15/2006
Instrument ID: HP5973U Time Analyzed: 14:28

		IS4 (NPT)		IS5 (PHN)		IS6 (PRY)	
		AREA	#	AREA	#	AREA	#
=====	=====	=====	=====	=====	=====	=====	=====
12 HOUR STD		769490	8.28	799763	12.91	947306	16.87
UPPER LIMIT		1538980	8.78	1599526	13.41	1894612	17.37
LOWER LIMIT		384745	7.78	399882	12.41	473653	16.37
=====	=====	=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	Lab Sample ID						
=====	=====	=====	=====	=====	=====	=====	=====
1 GW-19-0306	A6258101RE	705471	8.28	743818	12.91	850373	16.87
2 GW-22-0306	A6258102C	755622	8.28	791196	12.91	889389	16.87
3 SBLK62	A681520902	716580	8.28	759766	12.91	860663	16.87

AREA UNIT RT
QC LIMITS QC LIMITS

IS4 (NPT) = Naphthalene-D8 (50-200) -0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10 (50-200) -0.50 / +0.50 min
IS6 (PRY) = Perylene-D12 (50-200) -0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

59/419

METHOD 8270 - NITROBENZENE
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: SL Buffalo Contract: _____ Labsampid: A6C0003851
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID (Standard): U11081.RR Date Analyzed: 03/16/2006
Instrument ID: HP5973U Time Analyzed: 13:29

		IS1 (ANT)		IS2 (CRY)		IS3 (DCB)	
		AREA	#	AREA	#	AREA	#
=====	=====	=====	=====	=====	=====	=====	=====
12 HOUR STD		480445	10.90	840276	15.51	181705	6.34
UPPER LIMIT		960890	11.40	1680552	16.01	363410	6.84
LOWER LIMIT		240223	10.40	420138	15.01	90853	5.84
=====	=====	=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	Lab Sample ID						
=====	=====	=====	=====	=====	=====	=====	=====
1 GW-18R-0306	A6258103RE	484105	10.90	905333	15.51	181140	6.34
2 GW-21-0306	A6258105RE	447985	10.90	877241	15.51	170622	6.34
3 GW-22-0306	A6258102D	508071	10.90	896488	15.52	192883	6.34
4 GW-22-0306	A6258102DE	473838	10.90	911389	15.51	179698	6.34
5 GW-22-0306	A6258102RE	493524	10.90	923636	15.51	186552	6.34
6 GW-23-0306	A6258104RE	489016	10.90	966489	15.51	185715	6.34
7 MSB62	A681520901	457348	10.90	825397	15.51	170169	6.34

AREA UNIT RT
QC LIMITS QC LIMITS

IS1 (ANT) = Acenaphthene-D10 (50-200) -0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12 (50-200) -0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4 (50-200) -0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8270 - NITROBENZENE
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A6C0003851
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID (Standard): U11081.RR Date Analyzed: 03/16/2006
Instrument ID: HP5973U Time Analyzed: 13:29

		IS4 (NPT)		IS5 (PHN)		IS6 (PRY)	
		AREA	RT #	AREA	RT #	AREA	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		724869	8.26	838500	12.89	828372	16.85
UPPER LIMIT		1449738	8.76	1677000	13.39	1656744	17.35
LOWER LIMIT		362435	7.76	419250	12.39	414186	16.35
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	Lab Sample ID	=====	=====	=====	=====	=====	=====
=====	=====	=====	=====	=====	=====	=====	=====
1 GW-18R-0306	A6258103RE	761090	8.26	815942	12.89	851084	16.84
2 GW-21-0306	A6258105RE	696002	8.26	756254	12.89	802858	16.84
3 GW-22-0306	A62581020	790199	8.26	862367	12.89	867954	16.85
4 GW-22-0306	A62581020E	731131	8.26	813947	12.89	820636	16.84
5 GW-22-0306	A6258102RE	755723	8.26	821599	12.89	841251	16.84
6 GW-23-0306	A6258104RE	755633	8.26	848390	12.89	860509	16.84
7 MSB62	A6B1520901	698600	8.26	779602	12.89	787353	16.85

AREA UNIT RT
QC LIMITS QC LIMITS

IS4 (NPT) = Naphthalene-D8 (50-200) -0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10 (50-200) -0.50 / +0.50 min
IS6 (PRY) = Perylene-D12 (50-200) -0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

Sample Data

METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

62/419

Client No.

GW-18R-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258103RE

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: U11087.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
98-95-3-----	Nitrobenzene	10	U

FORM I - GC/MS BNA

Quantitation Report (Not Reviewed)

63/419

Data File : C:\MSDCHEM\1\DATA\031606\U11087.D

Vial: 7

Acq On : 16 Mar 2006 15:54

Operator: MD

Sample : A6258103RE AW60016042

Inst : HP5973U

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 17 7:24 2006

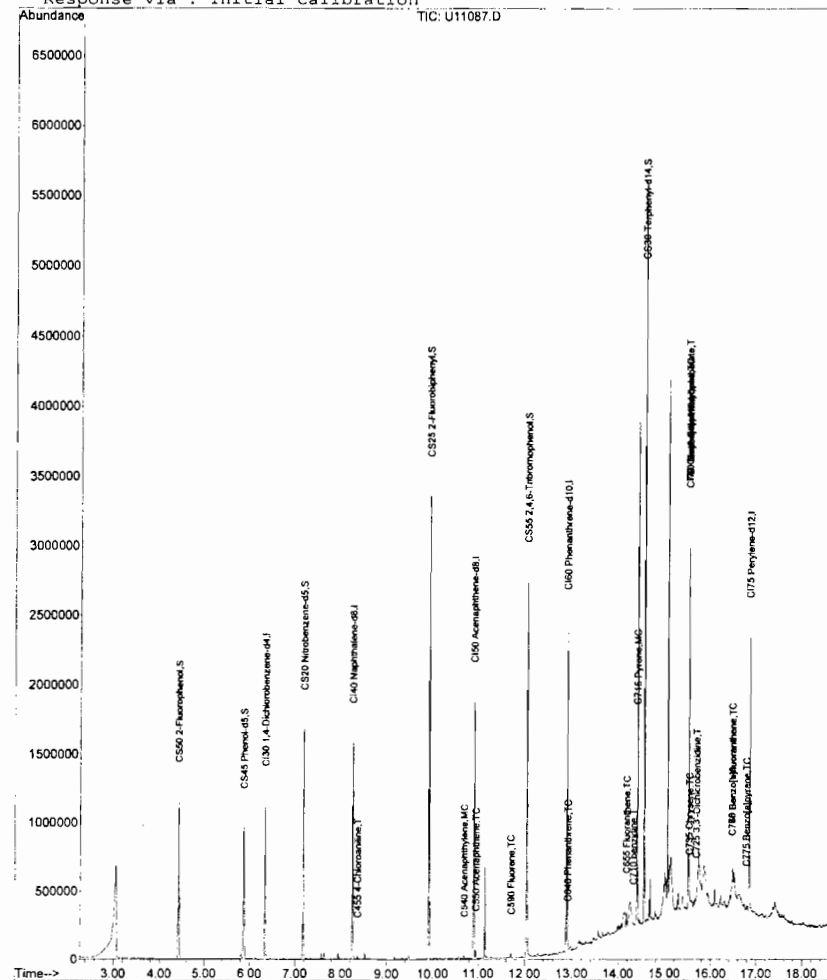
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration



U11087.D 8270E.M

Fri Mar 17 07:24:36 2006

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Quantitation Report

64/419

Data File : C:\MSDCHEM\1\DATA\031606\U11087.D
Acq On : 16 Mar 2006 15:54
Sample : A6258103RE AW60016042
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:34 2006

Vial: 7
Operator: MD
Inst : HP5973U
Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Mar 16 13:51:27 2006
Response via : Initial Calibration
DataAcq Meth : 8270E
IS QA File : C:\MSDCHEM\1\DATA\031606\U11081.D (16 Mar 2006 13:29)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.34	152	181140	40.00 ng	0.00
					99.69%
20) CI40 Naphthalene-d8	8.26	136	761090	40.00 ng	0.00
					105.00%
35) CI50 Acenaphthene-d8	10.90	164	484105	40.00 ng	0.00
					100.76%
56) CI60 Phenanthrene-d10	12.89	188	815942	40.00 ng	0.00
					97.31%
68) CI70 Chrysene-d12	15.51	240	905333	40.00 ng	0.00
					107.74%
78) CI75 Perylene-d12	16.84	264	851084	40.00 ng	0.00
					102.74%
System Monitoring Compounds					
3) CS50 2-Fluorophenol	4.42	112	406995	53.34 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	35.56%	
5) CS45 Phenol-d5	5.87	99	405731	41.48 ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery =	27.65%	
6) CS70 2-chlorophenol-d4	0.00	132	0	0.00 ng	
Spiked Amount 150.000	Range 33 - 110		Recovery =	0.00%	
12) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00 ng	
Spiked Amount 100.000	Range 16 - 110		Recovery =	0.00%	
21) CS20 Nitrobenzene-d5	7.18	82	669965	63.37 ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	63.37%	
39) CS25 2-Fluorobiphenyl	9.91	172	1150675	67.18 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	67.18%	
59) CS55 2,4,6-Tribromophenol	12.04	330	251644	124.53 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	83.02%	
71) CS30 Terphenyl-d14	14.56	244	1525845	71.11 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	71.11%	
Target Compounds					
2) C705 n-nitrosodidimethylam	0.00	74	0	N.D.	
4) C325 bis(2-Chloroethyl)eth	5.94	93	186	N.D.	
7) C315 Phenol	5.90	94	166	N.D.	
8) C330 2-Chlorophenol	0.00	128	0	N.D.	
9) C320 aniline	5.85	93	3600	N.D.	
10) C335 1,3-Dichlorobenzene	6.25	146	170	N.D.	
11) C340 1,4-Dichlorobenzene	6.36	146	174	N.D.	
13) C350 1,2-Dichlorobenzene	6.59	146	217	N.D.	
14) C345 Benzyl alcohol	6.57	108	220	N.D.	
15) C360 bis(2-chloroisopropyl	6.79	45	916	N.D.	
16) C355 2-Methylphenol	0.00	108	0	N.D.	
17) C375 Hexachloroethane	0.00	117	0	N.D.	
18) C370 N-Nitroso-di-n-propyl	6.97	70	184	N.D.	
19) C365 4-Methylphenol	7.18	108	184	N.D.	
22) C410 Nitrobenzene	7.22	77	182	N.D.	
23) C415 Isophorone	7.64	82	2245	N.D.	
24) C430 benzoic acid	0.00	122	0	N.D.	
25) C420 2-Nitrophenol	0.00	139	0	N.D.	
26) C425 2,4-Dimethylphenol	0.00	107	0	N.D.	

(#) = qualifier out of range (m) = manual integration
U11087.D 8270E.M Fri Mar 17 07:24:35 2006

Page 1

Quantitation Report

65/419

Data File : C:\MSDCHEM\1\DATA\031606\U11087.D
Acq On : 16 Mar 2006 15:54
Sample : A6258103RE AW60016042
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:34 2006

Vial: 7
Operator: MD
Inst : HP5973U
Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Mar 16 13:51:27 2006
Response via : Initial Calibration
DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	0.00	93	0	N.D.	
28) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
29) C445 1,2,4-Trichlorobenzen	0.00	180	0	N.D.	
30) C450 Naphthalene	8.29	128	8957	N.D.	
31) C455 4-Chloroaniline	8.37	127	4981	0.62 ng	77
32) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
33) C465 4-Chloro-3-methylphen	9.21	107	383	N.D.	
34) C470 2-Methylnaphthalene	9.34	142	4025	N.D.	
36) C510 Hexachlorocyclopentad	0.00	237	0	N.D.	
37) C515 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
38) C520 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
40) C525 2-Chloronaphthalene	10.29	162	900	N.D.	
41) C530 2-Nitroaniline	10.38	65	187	N.D.	
42) C540 Acenaphthylene	10.68	152	12598	0.60 ng	93
43) C535 Dimethylphthalate	10.46	163	163	N.D.	
44) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
45) C550 Acenaphthene	10.94	153	15686	1.21 ng	92
46) C545 3-Nitroaniline	0.00	138	0	N.D.	
47) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
48) C565 Dibenzofuran	11.21	168	4815	N.D.	
49) C570 2,4-Dinitrotoluene	11.14	165	406	N.D.	
50) C560 4-Nitrophenol	11.26	109	179	N.D.	
51) C590 Fluorene	11.70	166	8397	0.51 ng	91
52) C585 4-Chlorophenyl-phenyl	0.00	204	0	N.D.	
53) C580 Diethylphthalate	11.60	149	209	N.D.	
54) C620 1,2 diphenylhydrazine	11.97	77	2865	N.D.	
55) C595 4-Nitroaniline	11.67	138	190	N.D.	
57) C610 4,6-Dinitro-2-methylp	0.00	198	0	N.D.	
58) C615 n-Nitrosodiphenylamin	11.90	169	687	N.D.	
60) C625 4-Bromophenyl-phenyle	0.00	248	0	N.D.	
61) C630 Hexachlorobenzene	0.00	284	0	N.D.	
62) C635 Pentachlorophenol	0.00	266	0	N.D.	
63) C640 Phenanthrene	12.92	178	24898	0.97 ng	98
64) C645 Anthracene	12.97	178	8967	N.D.	
65) C647 carbazole	13.17	167	3055	N.D.	
66) C650 Di-n-butylphthalate	13.57	149	6412	N.D.	
67) C655 Fluoranthene	14.18	202	46530	1.51 ng	95
69) C715 Pyrene	14.40	202	47884	1.56 ng	93
70) C710 benzidine	14.33	184	731	1.99 ng	# 66
72) C720 Butylbenzylphthalate	14.98	149	802	N.D.	
73) C725 3,3'-Dichlorobenzidin	15.68	252	725	2.59 ng	93
74) C730 Benzo[a]anthracene	15.50	228	23891	0.85 ng	88
75) C735 Chrysene	15.53	228	23211	0.82 ng	91
76) C740 bis(2-Ethylhexyl)pht	15.50	149	29772	1.64 ng	93
77) C760 Di-n-octylphthalate	16.09	149	14761	N.D.	
79) C765 Benzo[b]fluoranthene	16.46	252	31137	1.10 ng	86
80) C770 Benzo[k]fluoranthene	16.46	252	31137	1.13 ng	86
81) C775 Benzo[a]pyrene	16.78	252	16901	0.65 ng	95
82) C780 Indeno[1,2,3-cd]pyren	18.03	276	9928	N.D.	
83) C785 Dibenz[a,h]anthracene	18.04	278	2719	N.D.	
84) C790 Benzo[g,h,i]perylene	18.37	276	9746	N.D.	

(#) = qualifier out of range (m) = manual integration
U11087.D 8270E.M Fri Mar 17 07:24:35 2006

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METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

66/419

Client No.

GW-19-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258101RE

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: U11067.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/15/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg)

CAS NO.	COMPOUND	UG/L	Q
98-95-3-----	Nitrobenzene	10	U

Quantitation Report (Not Reviewed)

67/419

Data File : C:\MSDCHEM\1\DATA\031506\U11067.D

Vial: 20

Acq On : 15 Mar 2006 21:39

Operator: MD

Sample : A6B258101RE AW60016037

Inst : HP5973U

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 16 7:32 2006

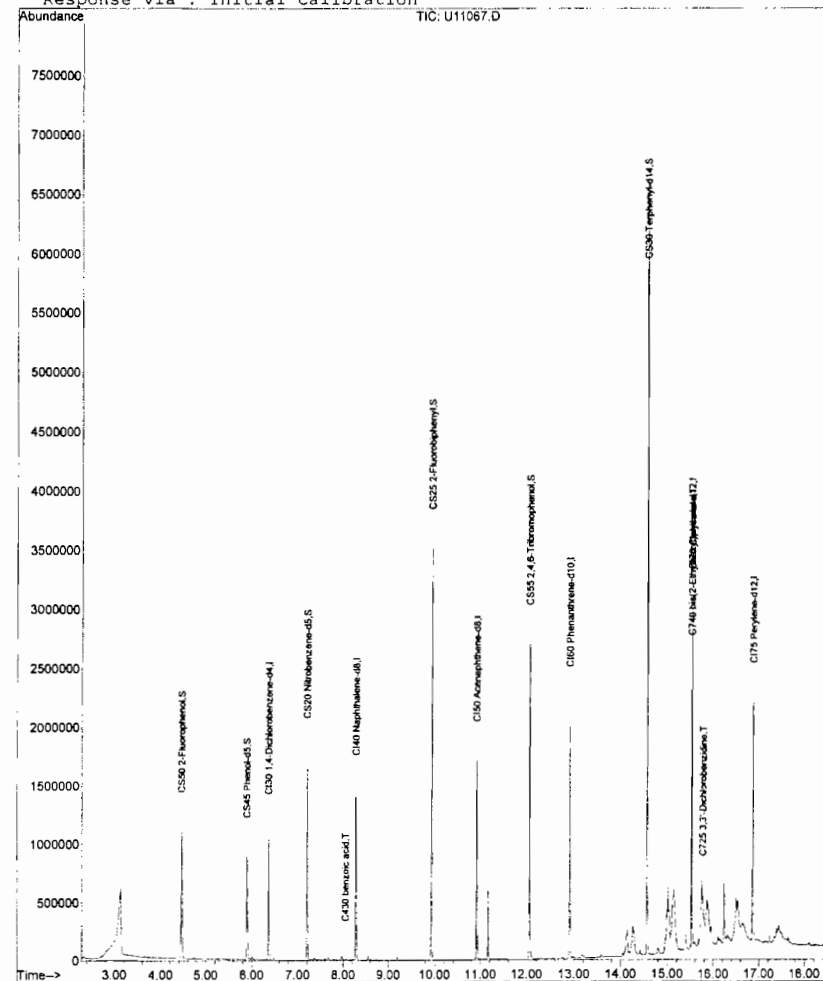
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 14:48:48 2006

Response via : Initial Calibration



U11067.D 8270E.M

Thu Mar 16 07:32:16 2006

Quantitation Report

68/419

Data File : C:\MSDCHEM\1\DATA\031506\U11067.D
Acq On : 15 Mar 2006 21:39
Sample : A6B258101RE AW60016037
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 16 07:32:14 2006

Vial: 20
Operator: MD
Inst : HP5973U
Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Wed Mar 15 14:48:48 2006
Response via : Initial Calibration
DataAcq Meth : 8270E
IS QA File : C:\MSDCHEM\1\DATA\031506\U11049.D (15 Mar 2006 14:28)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
						Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.37	152	177306	40.00	ng	0.00
						92.42%
20) CI40 Naphthalene-d8	8.28	136	705471	40.00	ng	0.00
						91.68%
35) CI50 Acenaphthene-d8	10.92	164	443053	40.00	ng	0.00
						90.23%
56) CI60 Phenanthrene-d10	12.91	188	743818	40.00	ng	0.00
						93.00%
68) CI70 Chrysene-d12	15.53	240	886812	40.00	ng	0.00
						97.43%
78) CI75 Perylene-d12	16.87	264	850373	40.00	ng	0.00
						89.77%

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.46	112	394836	52.87	ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	35.25%		
5) CS45 Phenol-d5	5.89	99	404827	42.28	ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery =	28.19%		
6) CS70 2-chlorophenol-d4	0.00	132	0	0.00	ng	0.00
Spiked Amount 150.000	Range 33 - 110		Recovery =	0.00%		
12) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	0.00
Spiked Amount 100.000	Range 16 - 110		Recovery =	0.00%		
21) CS20 Nitrobenzene-d5	7.21	82	650925	66.43	ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	66.43%		
39) CS25 2-Fluorobiphenyl	9.94	172	1155313	73.70	ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	73.70%		
59) CS55 2,4,6-Tribromophenol	12.06	330	237675	129.02	ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	86.01%		
71) CS30 Terphenyl-d14	14.57	244	1772969	84.36	ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	84.36%		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	0		N.D.	
4) C325 bis(2-Chloroethyl)eth	5.89	93	198		N.D.	
7) C315 Phenol	5.91	94	180		N.D.	
8) C330 2-Chlorophenol	0.00	128	0		N.D.	
9) C320 aniline	5.89	93	198		N.D.	
10) C335 1,3-Dichlorobenzene	0.00	146	0		N.D.	
11) C340 1,4-Dichlorobenzene	0.00	146	0		N.D.	
13) C350 1,2-Dichlorobenzene	0.00	146	0		N.D.	
14) C345 Benzyl alcohol	6.60	108	456		N.D.	
15) C360 bis(2-chloroisopropyl	6.81	45	193		N.D.	
16) C355 2-Methylphenol	0.00	108	0		N.D.	
17) C375 Hexachloroethane	0.00	117	0		N.D.	
18) C370 N-Nitroso-di-n-propyl	0.00	70	0		N.D.	
19) C365 4-Methylphenol	0.00	108	0		N.D.	
22) C410 Nitrobenzene	7.24	77	189		N.D.	
23) C415 Isophorone	7.66	82	1526		N.D.	
24) C430 benzoic acid	8.05	122	191	140.18	ng	1
25) C420 2-Nitrophenol	0.00	139	0		N.D.	
26) C425 2,4-Dimethylphenol	0.00	107	0		N.D.	

(#) = qualifier out of range (m) = manual integration
U11067.D 8270E.M Thu Mar 16 07:32:15 2006

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Quantitation Report

69/419

Data File : C:\MSDCHEM\1\DATA\031506\U11067.D
Acq On : 15 Mar 2006 21:39
Sample : A6B258101RE AW60016037
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 16 07:32:14 2006

Vial: 20
Operator: MD
Inst : HP5973U
Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Wed Mar 15 14:48:48 2006
Response via : Initial Calibration
DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	0.00	93	0		N.D.	
28) C440 2,4-Dichlorophenol	0.00	162	0		N.D.	
29) C445 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
30) C450 Naphthalene	8.31	128	1537		N.D.	
31) C455 4-Chloroaniline	0.00	127	0		N.D.	
32) C460 Hexachlorobutadiene	0.00	225	0		N.D.	
33) C465 4-Chloro-3-methylphen	0.00	107	0		N.D.	
34) C470 2-Methylnaphthalene	9.36	142	409		N.D.	
36) C510 Hexachlorocyclopentad	0.00	237	0		N.D.	
37) C515 2,4,6-Trichlorophenol	0.00	196	0		N.D.	
38) C520 2,4,5-Trichlorophenol	0.00	196	0		N.D.	
40) C525 2-Chloronaphthalene	0.00	162	0		N.D.	
41) C530 2-Nitroaniline	0.00	65	0		N.D.	
42) C540 Acenaphthylene	0.00	152	0		N.D.	
43) C535 Dimethylphthalate	0.00	163	0		N.D.	
44) C542 2,6-Dinitrotoluene	0.00	165	0		N.D.	
45) C550 Acenaphthene	11.17	153	1986		N.D.	
46) C545 3-Nitroaniline	0.00	138	0		N.D.	
47) C555 2,4-Dinitrophenol	0.00	184	0		N.D.	
48) C565 Dibenzofuran	11.16	168	7039		N.D.	
49) C570 2,4-Dinitrotoluene	0.00	165	0		N.D.	
50) C560 4-Nitrophenol	11.16	109	483		N.D.	
51) C590 Fluorene	0.00	166	0		N.D.	
52) C585 4-Chlorophenyl-phenyl	0.00	204	0		N.D.	
53) C580 Diethylphthalate	11.62	149	318		N.D.	
54) C620 1,2 diphenylhydrazine	11.98	77	458		N.D.	
55) C595 4-Nitroaniline	0.00	138	0		N.D.	
57) C610 4,6-Dinitro-2-methylp	0.00	198	0		N.D.	
58) C615 n-Nitrosodiphenylamin	11.97	169	239		N.D.	
60) C625 4-Bromophenyl-phenyle	0.00	248	0		N.D.	
61) C630 Hexachlorobenzene	0.00	284	0		N.D.	
62) C635 Pentachlorophenol	0.00	266	0		N.D.	
63) C640 Phenanthrene	12.93	178	5643		N.D.	
64) C645 Anthracene	12.93	178	5643		N.D.	
65) C647 carbazole	13.19	167	489		N.D.	
66) C650 Di-n-butylphthalate	13.58	149	7165		N.D.	
67) C655 Fluoranthene	14.19	202	8783		N.D.	
69) C715 Pyrene	14.42	202	8825		N.D.	
70) C710 benzidine	0.00	184	0		N.D.	
72) C720 Butylbenzylphthalate	15.02	149	1852		N.D.	
73) C725 3,3'-Dichlorobenzidin	15.78	252	168	2.53	ng	28
74) C730 Benzo[a]anthracene	15.52	228	7937		N.D.	
75) C735 Chrysene	15.55	228	3758		N.D.	
76) C740 bis(2-Ethylhexyl)phth	15.52	149	64869	3.64	ng	100
77) C760 Di-n-octylphthalate	16.11	149	4879		N.D.	
79) C765 Benzo[b]fluoranthene	16.48	252	7415		N.D.	
80) C770 Benzo[k]fluoranthene	16.48	252	7415		N.D.	
81) C775 Benzo[a]pyrene	16.81	252	4159		N.D.	
82) C780 Indeno[1,2,3-cd]pyren	18.07	276	2018		N.D.	
83) C785 Dibenz[a,h]anthracene	17.98	278	165		N.D.	
84) C790 Benzo[g,h,i]perylene	18.41	276	2072		N.D.	

(#) = qualifier out of range (m) = manual integration
U11067.D 8270E.M Thu Mar 16 07:32:15 2006

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METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

70/419

Client No.

GW-21-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258105RE

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: U11089.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
98-95-3-----	Nitrobenzene	10	U

Quantitation Report (Not Reviewed)

71/419

Data File : C:\MSDCHEM\1\DATA\031606\U11089.D

Vial: 9

Acq On : 16 Mar 2006 16:42

Operator: MD

Sample : A6258105RE AW60016044

Inst : HP5973U

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 17 7:24 2006

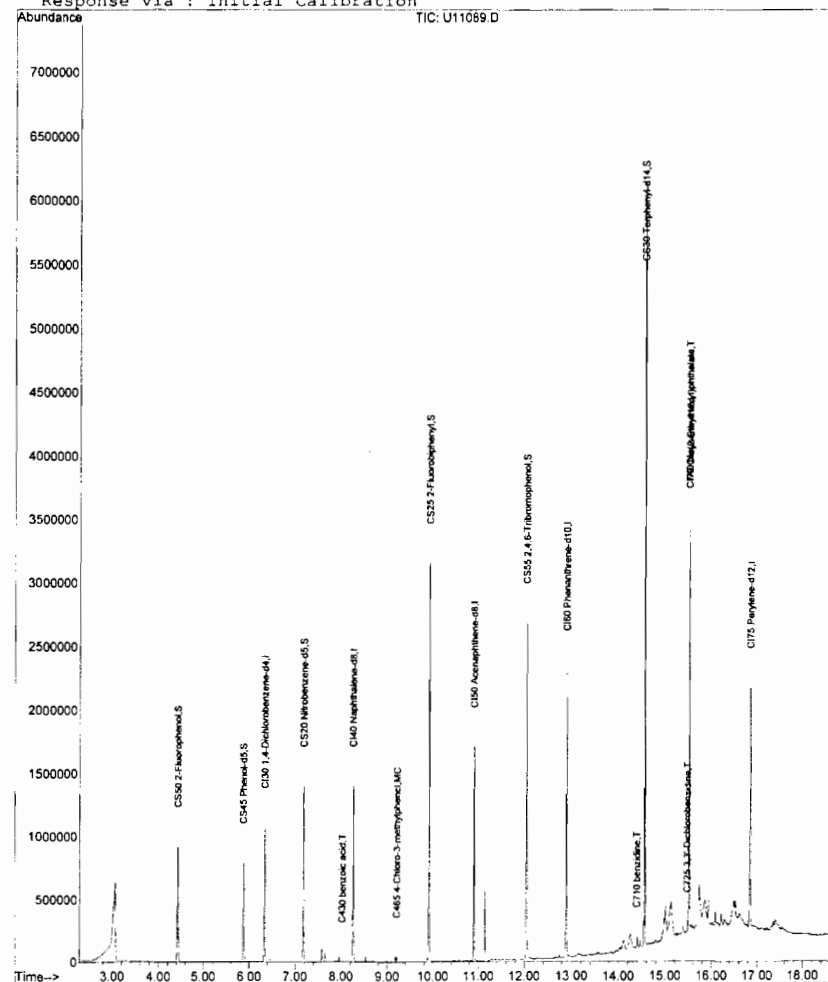
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration



U11089.D 8270E.M

Fri Mar 17 07:24:15 2006

Quantitation Report

72/419

Data File : C:\MSDCHEM\1\DATA\031606\U11089.D
Acq On : 16 Mar 2006 16:42
Sample : A6258105RE AW60016044
Misc :

Vial: 9
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:43 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031606\U11081.D (16 Mar 2006 13:29)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev (Min) Rcv (Ar)
1) CI30 1,4-Dichlorobenzene-d	6.34	152	170622	40.00 ng	0.00
20) CI40 Naphthalene-d8	8.26	136	696002	40.00 ng	93.90%
35) CI50 Acenaphthene-d8	10.90	164	447985	40.00 ng	96.02%
56) CI60 Phenanthrene-d10	12.89	188	756254	40.00 ng	93.24%
68) CI70 Chrysene-d12	15.51	240	877241	40.00 ng	90.19%
78) CI75 Perylene-d12	16.84	264	802858	40.00 ng	104.40%
					96.92%

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.43	112	328875	45.76 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	30.51%	
5) CS45 Phenol-d5	5.87	99	338642	36.75 ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery =	24.50%	
6) CS70 2-chlorophenol-d4	0.00	132	0	0.00 ng	
Spiked Amount 150.000	Range 33 - 110		Recovery =	0.00%	
12) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00 ng	
Spiked Amount 100.000	Range 16 - 110		Recovery =	0.00%	
21) CS20 Nitrobenzene-d5	7.18	82	558025	57.72 ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	57.72%	
39) CS25 2-Fluorobiphenyl	9.91	172	1038081	65.49 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	65.49%	
59) CS55 2,4,6-Tribromophenol	12.04	330	238588	127.39 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	84.93%	
71) CS30 Terphenyl-d14	14.55	244	1717573	82.61 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	82.61%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	0	N.D.	
4) C325 bis(2-Chloroethyl)eth	5.85	93	188	N.D.	
7) C315 Phenol	0.00	94	0	N.D.	
8) C330 2-Chlorophenol	0.00	128	0	N.D.	
9) C320 aniline	5.85	93	188	N.D.	
10) C335 1,3-Dichlorobenzene	0.00	146	0	N.D.	
11) C340 1,4-Dichlorobenzene	0.00	146	0	N.D.	
13) C350 1,2-Dichlorobenzene	0.00	146	0	N.D.	
14) C345 Benzyl alcohol	0.00	108	0	N.D.	
15) C360 bis(2-chloroisopropyl	6.72	45	200	N.D.	
16) C355 2-Methylphenol	0.00	108	0	N.D.	
17) C375 Hexachloroethane	0.00	117	0	N.D.	
18) C370 N-Nitroso-di-n-propyl	7.00	70	172	N.D.	
19) C365 4-Methylphenol	0.00	108	0	N.D.	
22) C410 Nitrobenzene	7.18	77	2565	N.D.	
23) C415 Isophorone	7.64	82	2578	N.D.	
24) C430 benzoic acid	8.02	122	177	140.18 ng	96
25) C420 2-Nitrophenol	0.00	139	0	N.D.	
26) C425 2,4-Dimethylphenol	7.82	107	369	N.D.	

(#) = qualifier out of range (m) = manual integration
U11089.D 8270E.M Fri Mar 17 07:24:44 2006

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Quantitation Report

73/419

Data File : C:\MSDCHEM\1\DATA\031606\U11089.D
Acq On : 16 Mar 2006 16:42
Sample : A6258105RE AW60016044
Misc :

Vial: 9
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:43 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	0.00	93	0	N.D.	
28) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
29) C445 1,2,4-Trichlorobenzen	0.00	180	0	N.D.	
30) C450 Naphthalene	8.29	128	2992	N.D.	
31) C455 4-Chloroaniline	8.30	127	229	N.D.	
32) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
33) C465 4-Chloro-3-methylphen	9.21	107	6278	0.92 ng	# 21
34) C470 2-Methylnaphthalene	9.34	142	197	N.D.	
36) C510 Hexachlorocyclopentad	0.00	237	0	N.D.	
37) C515 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
38) C520 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
40) C525 2-Chloronaphthalene	0.00	162	0	N.D.	
41) C530 2-Nitroaniline	10.29	65	191	N.D.	
42) C540 Acenaphthylene	0.00	152	0	N.D.	
43) C535 Dimethylphthalate	0.00	163	0	N.D.	
44) C542 2,6-Dinitrotoluene	10.61	165	684	N.D.	
45) C550 Acenaphthene	11.14	153	2079	N.D.	
46) C545 3-Nitroaniline	10.94	138	161	N.D.	
47) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
48) C565 Dibenzofuran	11.14	168	6903	N.D.	
49) C570 2,4-Dinitrotoluene	11.27	165	195	N.D.	
50) C560 4-Nitrophenol	11.29	109	206	N.D.	
51) C590 Fluorene	0.00	166	0	N.D.	
52) C585 4-Chlorophenyl-phenyl	0.00	204	0	N.D.	
53) C580 Diethylphthalate	11.60	149	761	N.D.	
54) C620 1,2 diphenylhydrazine	11.94	77	931	N.D.	
55) C595 4-Nitroaniline	0.00	138	0	N.D.	
57) C610 4,6-Dinitro-2-methylp	0.00	198	0	N.D.	
58) C615 n-Nitrosodiphenylamin	11.85	169	218	N.D.	
60) C625 4-Bromophenyl-phenyle	0.00	248	0	N.D.	
61) C630 Hexachlorobenzene	0.00	284	0	N.D.	
62) C635 Pentachlorophenol	0.00	266	0	N.D.	
63) C640 Phenanthrene	12.92	178	955	N.D.	
64) C645 Anthracene	12.98	178	1068	N.D.	
65) C647 carbazole	13.17	167	1052	N.D.	
66) C650 Di-n-butylphthalate	13.57	149	5790	N.D.	
67) C655 Fluoranthene	14.17	202	1427	N.D.	
69) C715 Pyrene	14.44	202	549	N.D.	
70) C710 benzidine	14.39	184	441	1.96 ng	# 1
72) C720 Butylbenzylphthalate	15.00	149	2758	N.D.	
73) C725 3,3'-Dichlorobenzidin	15.46	252	176	2.54 ng	# 28
74) C730 Benzo[a]anthracene	15.51	228	3364	N.D.	
75) C735 Chrysene	15.53	228	1482	N.D.	
76) C740 bis(2-Ethylhexyl)phth	15.50	149	182742	10.37 ng	98
77) C760 Di-n-octylphthalate	16.09	149	9267	N.D.	
79) C765 Benzo[b]fluoranthene	16.48	252	688	N.D.	
80) C770 Benzo[k]fluoranthene	16.48	252	688	N.D.	
81) C775 Benzo[a]pyrene	16.84	252	4261	N.D.	
82) C780 Indeno[1,2,3-cd]pyren	18.02	276	173	N.D.	
83) C785 Dibenz[a,h]anthracene	18.17	278	203	N.D.	
84) C790 Benzo[g,h,i]perylene	18.39	276	361	N.D.	

(#) = qualifier out of range (m) = manual integration
U11089.D 8270E.M Fri Mar 17 07:24:44 2006

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METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

74/419

Client No.

GW-22-0306

Lab Name: SIL Buffalo

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258102RE

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: U11086.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
98-95-3-----	Nitrobenzene	10	U

Quantitation Report (Not Reviewed)

75/419

Data File : C:\MSDCHEM\1\DATA\031606\U11086.D

Vial: 6

Acq On : 16 Mar 2006 15:30

Operator: MD

Sample : A6258102RE AW60016041

Inst : HP5973U

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 17 7:24 2006

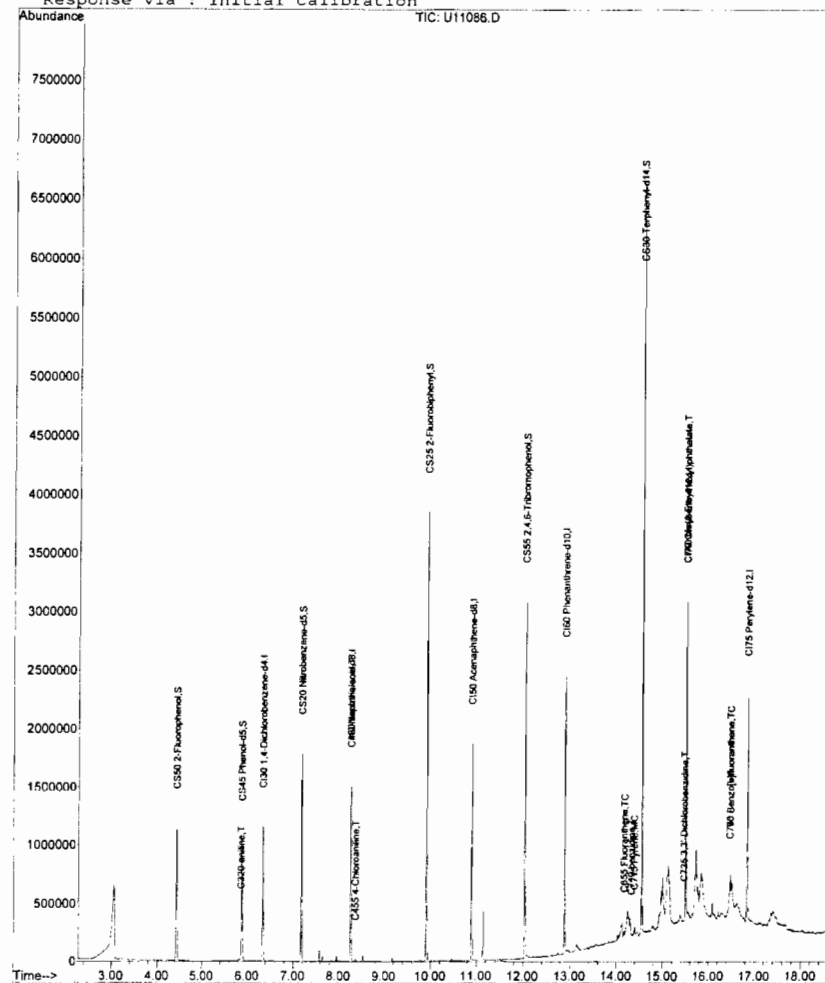
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration



Quantitation Report

76/419

Data File : C:\MSDCHEM\1\DATA\031606\U11086.D
Acq On : 16 Mar 2006 15:30
Sample : A6258102RE AW60016041
Misc :

Vial: 6
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:32 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031606\U11081.D (16 Mar 2006 13:29)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev (Min) Rcv (Ar)
1) CI30 1,4-Dichlorobenzene-d	6.34	152	186552	40.00 ng	0.00
20) CI40 Naphthalene-d8	8.26	136	755723	40.00 ng	102.67%
35) CI50 Acenaphthene-d8	10.90	164	493524	40.00 ng	104.26%
56) CI60 Phenanthrene-d10	12.89	188	821599	40.00 ng	102.72%
68) CI70 Chrysene-d12	15.51	240	923636	40.00 ng	97.98%
78) CI75 Perylene-d12	16.84	264	841251	40.00 ng	109.92%
					101.55%

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.43	112	410161	52.20 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	34.80%	
5) CS45 Phenol-d5	5.87	99	440466	43.72 ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery =	29.15%	
6) CS70 2-chlorophenol-d4	0.00	132	0	0.00 ng	
Spiked Amount 150.000	Range 33 - 110		Recovery =	0.00%	
12) CS75 1,2-dichlorobenzene-d	6.42	152	175	0.04 ng	-0.15
Spiked Amount 100.000	Range 16 - 110		Recovery =	0.04%	
21) CS20 Nitrobenzene-d5	7.18	82	700617	66.74 ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	66.74%	
39) CS25 2-Fluorobiphenyl	9.91	172	1257094	71.99 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	71.99%	
59) CS55 2,4,6-Tribromophenol	12.04	330	271385	133.37 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	88.91%	
71) CS30 Terphenyl-d14	14.56	244	1863962	85.15 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	85.15%	

Target Compounds

	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	0	N.D.	
4) C325 bis(2-Chloroethyl)eth	5.96	93	1089	N.D.	
7) C315 Phenol	5.89	94	1185	N.D.	
8) C330 2-Chlorophenol	6.04	128	771	N.D.	
9) C320 aniline	5.85	93	14554	0.69 ng	# 1
10) C335 1,3-Dichlorobenzene	6.25	146	1088	N.D.	
11) C340 1,4-Dichlorobenzene	6.25	146	1088	N.D.	
13) C350 1,2-Dichlorobenzene	6.59	146	900	N.D.	
14) C345 Benzyl alcohol	6.57	108	355	N.D.	
15) C360 bis(2-chloroisopropyl	6.84	45	171	N.D.	
16) C355 2-Methylphenol	0.00	108	0	N.D.	
17) C375 Hexachloroethane	0.00	117	0	N.D.	
18) C370 N-Nitroso-di-n-propyl	6.97	70	274	N.D.	
19) C365 4-Methylphenol	7.03	108	668	N.D.	
22) C410 Nitrobenzene	7.21	77	1113	N.D.	
23) C415 Isophorone	7.65	82	2572	N.D.	
24) C430 benzoic acid	8.26	122	166	140.18 ng	# 1
25) C420 2-Nitrophenol	0.00	139	0	N.D.	
26) C425 2,4-Dimethylphenol	7.81	107	223	N.D.	

(#) = qualifier out of range (m) = manual integration
U11086.D 8270E.M Fri Mar 17 07:24:33 2006

Page 1

Quantitation Report

77/419

Data File : C:\MSDCHEM\1\DATA\031606\U11086.D
Acq On : 16 Mar 2006 15:30
Sample : A6258102RE AW60016041
Misc :

Vial: 6
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:32 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.94	93	676	N.D.	
28) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
29) C445 1,2,4-Trichlorobenzen	8.17	180	220	N.D.	
30) C450 Naphthalene	8.29	128	7971	N.D.	
31) C455 4-Chloroaniline	8.37	127	8039	1.00 ng	90
32) C460 Hexachlorobutadiene	8.49	225	181	N.D.	
33) C465 4-Chloro-3-methylphen	9.16	107	226	N.D.	
34) C470 2-Methylnaphthalene	9.34	142	989	N.D.	
36) C510 Hexachlorocyclopentad	0.00	237	0	N.D.	
37) C515 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
38) C520 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
40) C525 2-Chloronaphthalene	10.11	162	1531	N.D.	
41) C530 2-Nitroaniline	10.26	65	166	N.D.	
42) C540 Acenaphthylene	10.69	152	1832	N.D.	
43) C535 Dimethylphthalate	10.54	163	501	N.D.	
44) C542 2,6-Dinitrotoluene	10.50	165	161	N.D.	
45) C550 Acenaphthene	10.94	153	1118	N.D.	
46) C545 3-Nitroaniline	10.88	138	191	N.D.	
47) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
48) C565 Dibenzofuran	11.22	168	1504	N.D.	
49) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	
50) C560 4-Nitrophenol	11.26	109	595	N.D.	
51) C590 Fluorene	11.70	166	1147	N.D.	
52) C585 4-Chlorophenyl-phenyl	0.00	204	0	N.D.	
53) C580 Diethylphthalate	11.60	149	890	N.D.	
54) C620 1,2 diphenylhydrazine	11.94	77	3893	N.D.	
55) C595 4-Nitroaniline	11.68	138	187	N.D.	
57) C610 4,6-Dinitro-2-methylp	0.00	198	0	N.D.	
58) C615 n-Nitrosodiphenylamin	11.90	169	191	N.D.	
60) C625 4-Bromophenyl-phenyle	0.00	248	0	N.D.	
61) C630 Hexachlorobenzene	12.41	284	165	N.D.	
62) C635 Pentachlorophenol	0.00	266	0	N.D.	
63) C640 Phenanthrene	12.91	178	10304	N.D.	
64) C645 Anthracene	12.97	178	6263	N.D.	
65) C647 carbazole	13.20	167	1106	N.D.	
66) C650 Di-n-butylphthalate	13.57	149	7447	N.D.	
67) C655 Fluoranthene	14.18	202	22293	0.72 ng	94
69) C715 Pyrene	14.40	202	22356	0.71 ng	96
70) C710 benzidine	14.33	184	431	1.96 ng	# 1
72) C720 Butylbenzylphthalate	15.25	149	769	N.D.	
73) C725 3,3'-Dichlorobenzidin	15.47	252	1116	2.63 ng	86
74) C730 Benzo[a]anthracene	15.53	228	11272	N.D.	
75) C735 Chrysene	15.53	228	11272	N.D.	
76) C740 bis(2-Ethylhexyl)phth	15.50	149	9738	0.52 ng	78
77) C760 Di-n-octylphthalate	16.09	149	9102	N.D.	
79) C765 Benzo[b]fluoranthene	16.47	252	19186	0.68 ng	88
80) C770 Benzo[k]fluoranthene	16.47	252	19186	0.70 ng	89
81) C775 Benzo[a]pyrene	16.79	252	9778	N.D.	
82) C780 Indeno[1,2,3-cd]pyren	18.03	276	6870	N.D.	
83) C785 Dibenz[a,h]anthracene	18.04	278	2554	N.D.	
84) C790 Benzo[g,h,i]perylene	18.38	276	5931	N.D.	

(#) = qualifier out of range (m) = manual integration
U11086.D 8270E.M Fri Mar 17 07:24:34 2006

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METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

78/419

Client No.

GW-22-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: REQNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258102DE

Sample wt/vol: 1020.0 (g/mL) ML

Lab File ID: U11085.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
98-95-3-----	Nitrobenzene		10	U

Quantitation Report (Not Reviewed)

79/419

Data File : C:\MSDCHEM\1\DATA\031606\U11085.D

Vial: 5

Acq On : 16 Mar 2006 15:06

Operator: MD

Sample : A6258102FDRE AW60016040

Inst : HP5973U

Misc :

Multipir: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 17 7:24 2006

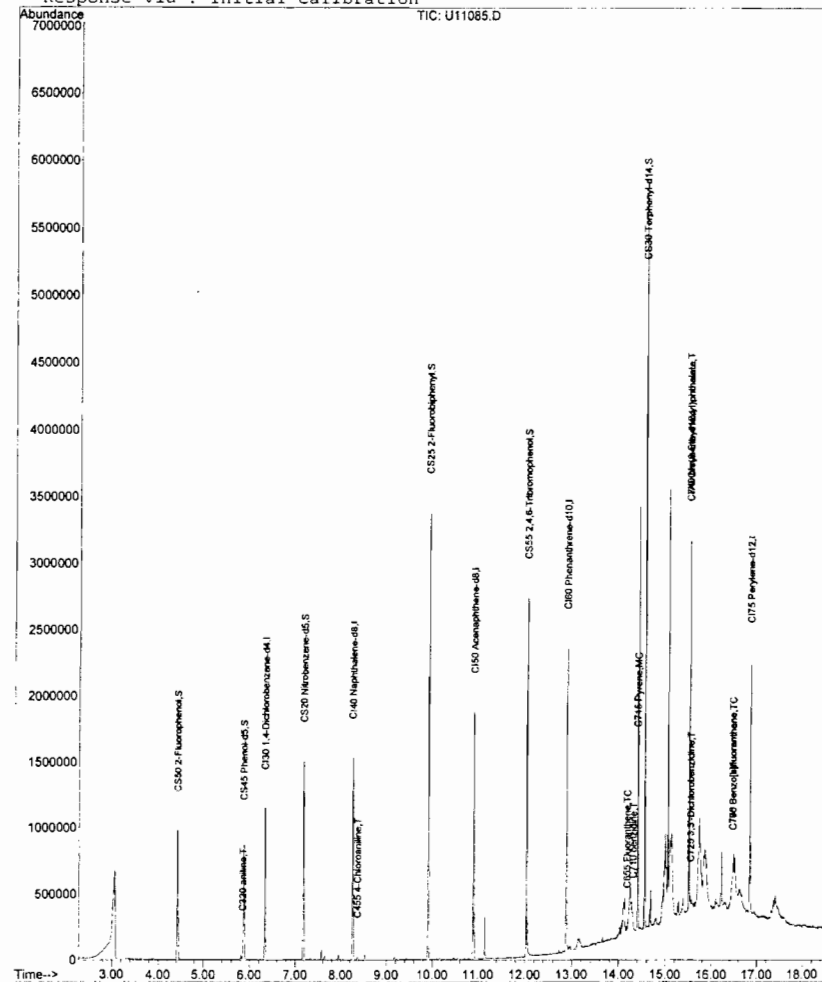
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration



Quantitation Report

80/419

Data File : C:\MSDCHEM\1\DATA\031606\U11085.D
Acq On : 16 Mar 2006 15:06
Sample : A6258102FDRE AW60016040
Misc :

Vial: 5
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:31 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031606\U11081.D (16 Mar 2006 13:29)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.34	152	179698	40.00 ng	0.00
20) CI40 Naphthalene-d8	8.26	136	731131	40.00 ng	98.90%
35) CI50 Acenaphthene-d8	10.90	164	473838	40.00 ng	100.86%
56) CI60 Phenanthrene-d10	12.89	188	813947	40.00 ng	0.00
68) CI70 Chrysene-d12	15.51	240	911389	40.00 ng	98.62%
78) CI75 Perylene-d12	16.84	264	820636	40.00 ng	97.07%
					108.46%
					0.00
					99.07%

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.43	112	357832	47.28 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	31.52%	
5) CS45 Phenol-d5	5.87	99	383402	39.51 ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery =	26.34%	
6) CS70 2-chlorophenol-d4	0.00	132	0	0.00 ng	
Spiked Amount 150.000	Range 33 - 110		Recovery =	0.00%	
12) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00 ng	
Spiked Amount 100.000	Range 16 - 110		Recovery =	0.00%	
21) CS20 Nitrobenzene-d5	7.18	82	609555	60.02 ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	60.02%	
39) CS25 2-Fluorobiphenyl	9.91	172	1115022	66.51 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	66.51%	
59) CS55 2,4,6-Tribromophenol	12.04	330	245306	121.69 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	81.13%	
71) CS30 Terphenyl-d14	14.56	244	1682160	77.88 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	77.88%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	0	N.D.	
4) C325 bis(2-Chloroethyl)eth	5.96	93	539	N.D.	
7) C315 Phenol	5.85	94	1224	N.D.	
8) C330 2-Chlorophenol	6.04	128	319	N.D.	
9) C320 aniline	5.85	93	15503	0.76 ng	# 1
10) C335 1,3-Dichlorobenzene	6.25	146	437	N.D.	
11) C340 1,4-Dichlorobenzene	6.36	146	481	N.D.	
13) C350 1,2-Dichlorobenzene	6.59	146	1162	N.D.	
14) C345 Benzyl alcohol	6.56	108	361	N.D.	
15) C360 bis(2-chloroisopropyl	6.79	45	227	N.D.	
16) C355 2-Methylphenol	6.79	108	178	N.D.	
17) C375 Hexachloroethane	0.00	117	0	N.D.	
18) C370 N-Nitroso-di-n-propyl	7.00	70	191	N.D.	
19) C365 4-Methylphenol	7.18	108	162	N.D.	
22) C410 Nitrobenzene	7.21	77	1405	N.D.	
23) C415 Isophorone	7.64	82	1938	N.D.	
24) C430 benzoic acid	0.00	122	0	N.D.	
25) C420 2-Nitrophenol	0.00	139	0	N.D.	
26) C425 2,4-Dimethylphenol	0.00	107	0	N.D.	

(#) = qualifier out of range (m) = manual integration
U11085.D 8270E.M Fri Mar 17 07:24:32 2006

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Quantitation Report

81/419

Data File : C:\MSDCHEM\1\DATA\031606\U11085.D
Acq On : 16 Mar 2006 15:06
Sample : A6258102FDRE AW60016040
Misc :

Vial: 5
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:31 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	0.00	93	0	N.D.	
28) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
29) C445 1,2,4-Trichlorobenzen	8.19	180	167	N.D.	
30) C450 Naphthalene	8.29	128	6736	N.D.	
31) C455 4-Chloroaniline	8.38	127	8981	1.16 ng	81
32) C460 Hexachlorobutadiene	8.49	225	229	N.D.	
33) C465 4-Chloro-3-methylphen	0.00	107	0	N.D.	
34) C470 2-Methylnaphthalene	9.34	142	545	N.D.	
36) C510 Hexachlorocyclopentad	0.00	237	0	N.D.	
37) C515 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
38) C520 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
40) C525 2-Chloronaphthalene	10.10	162	1248	N.D.	
41) C530 2-Nitroaniline	10.21	65	227	N.D.	
42) C540 Acenaphthylene	10.69	152	856	N.D.	
43) C535 Dimethylphthalate	0.00	163	0	N.D.	
44) C542 2,6-Dinitrotoluene	10.61	165	190	N.D.	
45) C550 Acenaphthene	10.95	153	882	N.D.	
46) C545 3-Nitroaniline	10.94	138	906	N.D.	
47) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
48) C565 Dibenzofuran	11.21	168	1260	N.D.	
49) C570 2,4-Dinitrotoluene	11.22	165	192	N.D.	
50) C560 4-Nitrophenol	11.26	109	210	N.D.	
51) C590 Fluorene	11.71	166	997	N.D.	
52) C585 4-Chlorophenyl-phenyl	12.01	204	163	N.D.	
53) C580 Diethylphthalate	11.60	149	575	N.D.	
54) C620 1,2 diphenylhydrazine	11.94	77	3584	N.D.	
55) C595 4-Nitroaniline	11.95	138	209	N.D.	
57) C610 4,6-Dinitro-2-methylp	0.00	198	0	N.D.	
58) C615 n-Nitrosodiphenylamin	11.90	169	196	N.D.	
60) C625 4-Bromophenyl-phenyle	0.00	240	0	N.D.	
61) C630 Hexachlorobenzene	12.41	284	273	N.D.	
62) C635 Pentachlorophenol	12.77	266	164	N.D.	
63) C640 Phenanthrene	12.92	178	7942	N.D.	
64) C645 Anthracene	12.97	178	4366	N.D.	
65) C647 carbazole	13.17	167	2572	N.D.	
66) C650 Di-n-butylphthalate	13.57	149	5885	N.D.	
67) C655 Fluoranthene	14.18	202	16274	0.53 ng	93
69) C715 Pyrene	14.40	202	17115	0.55 ng	77
70) C710 benzidine	14.32	184	944	2.01 ng	# 66
72) C720 Butylbenzylphthalate	15.01	149	2444	N.D.	
73) C725 3,3'-Dichlorobenzidin	15.54	252	1111	2.63 ng	83
74) C730 Benzo[a]anthracene	15.50	228	12417	N.D.	
75) C735 Chrysene	15.53	228	9611	N.D.	
76) C740 bis(2-Ethylhexyl)phth	15.50	149	11317	0.62 ng	81
77) C760 Di-n-octylphthalate	16.09	149	5802	N.D.	
79) C765 Benzo[b]fluoranthene	16.46	252	15240	0.56 ng	97
80) C770 Benzo[k]fluoranthene	16.46	252	15240	0.57 ng	98
81) C775 Benzo[a]pyrene	16.79	252	8432	N.D.	
82) C780 Indeno[1,2,3-cd]pyren	18.03	276	4681	N.D.	
83) C785 Dibenz[a,h]anthracene	18.04	278	1162	N.D.	
84) C790 Benzo[g,h,i]perylene	18.38	276	4935	N.D.	

(#) = qualifier out of range (m) = manual integration
U11085.D 8270E.M Fri Mar 17 07:24:32 2006

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METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

82/419

Client No.

GW-23-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258104RE

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: U11088.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
98-95-3-----	Nitrobenzene		10	U

Quantitation Report (Not Reviewed)

83/419

Data File : C:\MSDCHEM\1\DATA\031606\U11088.D

Vial: 8

Acq On : 16 Mar 2006 16:18

Operator: MD

Sample : A6258104RE AW60016043

Inst : HP5973U

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 17 7:24 2006

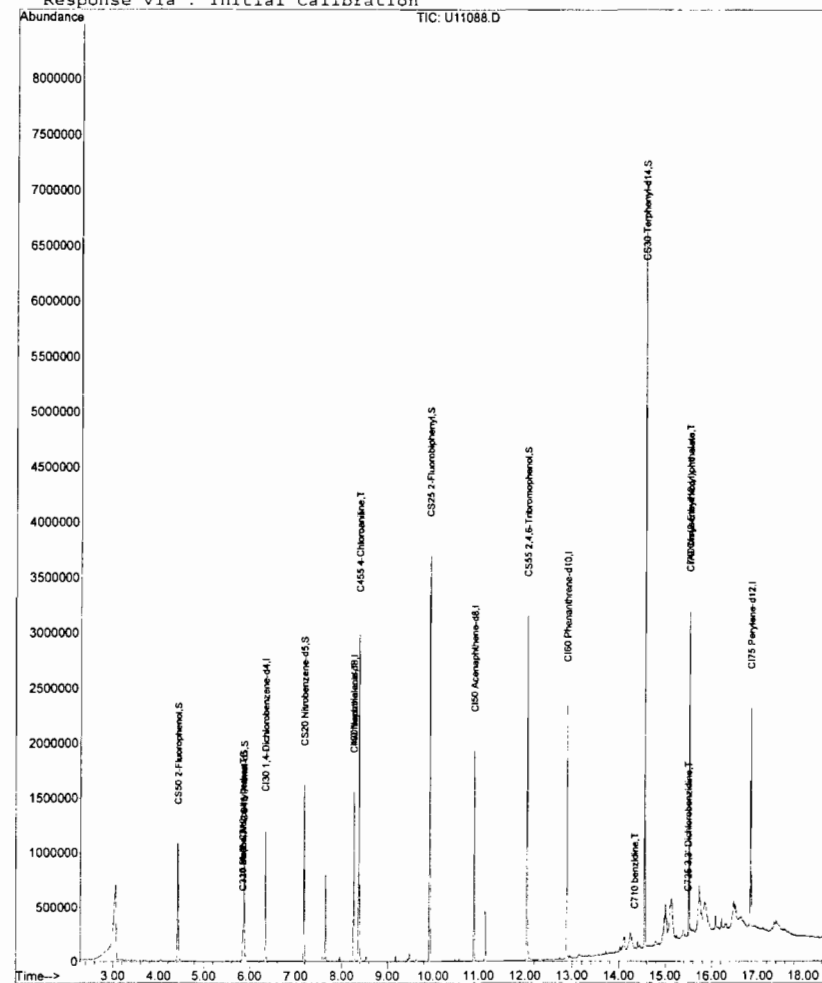
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration



Quantitation Report

84/419

Data File : C:\MSDCHEM\1\DATA\031606\U11088.D
Acq On : 16 Mar 2006 16:18
Sample : A6258104RE AW60016043
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:36 2006

Vial: 8
Operator: MD
Inst : HP5973U
Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Mar 16 13:51:27 2006
Response via : Initial Calibration
DataAcq Meth : 8270E
IS QA File : C:\MSDCHEM\1\DATA\031606\U11081.D (16 Mar 2006 13:29)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.34	152	185715	40.00 ng	0.00
20) CI40 Naphthalene-d8	8.26	136	755633	40.00 ng	102.21%
35) CI50 Acenaphthene-d8	10.90	164	489016	40.00 ng	104.24%
56) CI60 Phenanthrene-d10	12.89	188	848390	40.00 ng	101.78%
68) CI70 Chrysene-d12	15.51	240	966489	40.00 ng	101.18%
78) CI75 Perylene-d12	16.84	264	860509	40.00 ng	115.02%
					103.88%

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
3) CS50 2-Fluorophenol	4.42	112	370164	47.32 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	31.55%	
5) CS45 Phenol-d5	5.87	99	389531	38.84 ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery =	25.89%	
6) CS70 2-chlorophenol-d4	0.00	132	0	0.00 ng	
Spiked Amount 150.000	Range 33 - 110		Recovery =	0.00%#	
12) CS75 1,2-dichlorobenzene-d	6.56	152	180	0.04 ng	0.00
Spiked Amount 100.000	Range 16 - 110		Recovery =	0.04%#	
21) CS20 Nitrobenzene-d5	7.18	82	651835	62.10 ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	62.10%	
39) CS25 2-Fluorobiphenyl	9.91	172	1202657	69.51 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	69.51%	
59) CS55 2,4,6-Tribromophenol	12.04	330	288569	137.34 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	91.56%	
71) CS30 Terphenyl-d14	14.56	244	1952822	85.25 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	85.25%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	0	N.D.	
4) C325 bis(2-Chloroethyl)eth	5.85	93	129213	16.86 ng	# 22
7) C315 Phenol	5.85	94	8749	0.82 ng	# 1
8) C330 2-Chlorophenol	0.00	128	0	N.D.	
9) C320 aniline	5.85	93	128809	6.12 ng	# 41
10) C335 1,3-Dichlorobenzene	6.25	146	2125	N.D.	
11) C340 1,4-Dichlorobenzene	6.37	146	3167	N.D.	
13) C350 1,2-Dichlorobenzene	6.59	146	1719	N.D.	
14) C345 Benzyl alcohol	0.00	108	0	N.D.	
15) C360 bis(2-chloroisopropyl	6.83	45	172	N.D.	
16) C355 2-Methylphenol	0.00	108	0	N.D.	
17) C375 Hexachloroethane	0.00	117	0	N.D.	
18) C370 N-Nitroso-di-n-propyl	0.00	70	0	N.D.	
19) C365 4-Methylphenol	7.04	108	163	N.D.	
22) C410 Nitrobenzene	7.22	77	222	N.D.	
23) C415 Isophorone	7.64	82	2436	N.D.	
24) C430 benzoic acid	8.26	122	239	140.18 ng	# 1
25) C420 2-Nitrophenol	0.00	139	0	N.D.	
26) C425 2,4-Dimethylphenol	7.69	107	165	N.D.	

(#) = qualifier out of range (m) = manual integration
U11088.D 8270E.M Fri Mar 17 07:24:37 2006

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Quantitation Report

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Data File : C:\MSDCHEM\1\DATA\031606\U11088.D
Acq On : 16 Mar 2006 16:18
Sample : A6258104RE AW60016043
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:36 2006

Vial: 8
Operator: MD
Inst : HP5973U
Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Mar 16 13:51:27 2006
Response via : Initial Calibration
DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	0.00	93	0	N.D.	
28) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
29) C445 1,2,4-Trichlorobenzen	8.18	180	512	N.D.	
30) C450 Naphthalene	8.30	128	7637	N.D.	
31) C455 4-Chloroaniline	8.38	127	874179	108.96 ng	100
32) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
33) C465 4-Chloro-3-methylphen	9.23	107	172	N.D.	
34) C470 2-Methylnaphthalene	0.00	142	0	N.D.	
36) C510 Hexachlorocyclopentad	0.00	237	0	N.D.	
37) C515 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
38) C520 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
40) C525 2-Chloronaphthalene	10.10	162	4126	N.D.	
41) C530 2-Nitroaniline	10.44	65	181	N.D.	
42) C540 Acenaphthylene	0.00	152	0	N.D.	
43) C535 Dimethylphthalate	10.44	163	190	N.D.	
44) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
45) C550 Acenaphthene	10.94	153	750	N.D.	
46) C545 3-Nitroaniline	10.94	138	762	N.D.	
47) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
48) C565 Dibenzofuran	11.21	168	220	N.D.	
49) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	
50) C560 4-Nitrophenol	11.44	109	209	N.D.	
51) C590 Fluorene	0.00	166	0	N.D.	
52) C585 4-Chlorophenyl-phenyl	0.00	204	0	N.D.	
53) C580 Diethylphthalate	11.59	149	797	N.D.	
54) C620 1,2 diphenylhydrazine	11.94	77	282	N.D.	
55) C595 4-Nitroaniline	0.00	138	0	N.D.	
57) C610 4,6-Dinitro-2-methylp	0.00	198	0	N.D.	
58) C615 n-Nitrosodiphenylamin	11.90	169	278	N.D.	
60) C625 4-Bromophenyl-phenyle	0.00	248	0	N.D.	
61) C630 Hexachlorobenzene	0.00	284	0	N.D.	
62) C635 Pentachlorophenol	0.00	266	0	N.D.	
63) C640 Phenanthrene	12.92	178	1140	N.D.	
64) C645 Anthracene	12.98	178	1432	N.D.	
65) C647 carbazole	13.18	167	932	N.D.	
66) C650 Di-n-butylphthalate	13.57	149	5619	N.D.	
67) C655 Fluoranthene	14.08	202	332	N.D.	
69) C715 Pyrene	14.42	202	369	N.D.	
70) C710 benzidine	14.35	184	197	1.93 ng	# 1
72) C720 Butylbenzylphthalate	15.01	149	3221	N.D.	
73) C725 3,3'-Dichlorobenzidin	15.49	252	192	2.53 ng	# 28
74) C730 Benzo[a]anthracene	15.51	228	4778	N.D.	
75) C735 Chrysene	15.55	228	265	N.D.	
76) C740 bis(2-Ethylhexyl)phth	15.50	149	28492	1.47 ng	97
77) C760 Di-n-octylphthalate	16.09	149	10422	N.D.	
79) C765 Benzo[b]fluoranthene	16.46	252	1203	N.D.	
80) C770 Benzo[k]fluoranthene	16.48	252	1106	N.D.	
81) C775 Benzo[a]pyrene	16.78	252	1128	N.D.	
82) C780 Indeno[1,2,3-cd]pyren	18.08	276	250	N.D.	
83) C785 Dibenz[a,h]anthracene	18.04	278	211	N.D.	
84) C790 Benzo[g,h,i]perylene	18.35	276	170	N.D.	

(#) = qualifier out of range (m) = manual integration
U11088.D 8270E.M Fri Mar 17 07:24:37 2006

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Standards

SEMIVOLATILE 3RD ED: 50NG CONT
INITIAL CALIBRATION DATA

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Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A6I0001259-1Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Instrument ID: HP5973U Calibration Dates(s): 03/15/2006 03/15/2006Calibration Times: 09:50 11:26

Lab File ID:		RRF10	=	<u>U11037.RR</u>	RRF50	=	<u>U11038.RR</u>		
RRF80		=	<u>U11039.RR</u>	RRF120	=	<u>U11040.RR</u>	RRF160	=	<u>U11041.RR</u>
COMPOUND		RRF10	RRF50	RRF80	RRF120	RRF160	AVG RRF	% RSD	
Nitrobenzene		0.624	0.554	0.545	0.538	0.548	0.5620	6.300	
=====									
Nitrobenzene-D5		0.585	0.557	0.544	0.537	0.556	0.5560	3.300	
2-Fluorobiphenyl		1.616	1.413	1.348	1.342	1.358	1.4150	8.200	
p-Terphenyl-d14		1.070	0.936	0.931	0.876	0.927	0.9480	7.600	
Phenol-D5		2.574	2.204	2.090	1.950	1.983	2.1600	11.600	
2-Fluorophenol		1.912	1.670	1.654	1.591	1.597	1.6850	7.800	
2,4,6-Tribromophenol		0.103	0.101	0.099	0.095	0.098	0.0990	2.900	

Comments:

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Response Factor Report HP5973U

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
 Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 12:15:16 2006
 Response via : Initial Calibration

Calibration Files
 50 =U11038.D 20 =U11037.D 80 =U11039.D
 120 =U11040.D 160 =U11041.D

Compound	50	20	80	120	160	Avg	%RSD
1) I CI30 1,4-Dichlorobenz	-----ISTD-----						
2) T C705 n-nitrosodidimet	1.034	1.221	1.022	0.976	0.989	1.048	9.48
3) S CS50 2-Fluorophenol	1.670	1.912	1.654	1.591	1.597	1.685	7.80
4) TC C325 bis(2-Chloroethy	1.630	1.901	1.610	1.545	1.566	1.650	8.73
5) S CS45 Phenol-d5	2.204	2.574	2.090	1.950	1.983	2.160	11.66
6) S CS70 2-chlorophenol-d	1.589	1.868	1.556	1.495	1.502	1.602	9.59
7) MC C315 Phenol	2.112	2.451	2.393	2.270	2.282	2.302	5.67
8) MC C330 2-Chlorophenol	1.484	1.760	1.465	1.397	1.393	1.500	10.06
9) T C320 aniline	4.594	5.459	4.434	4.114	4.057	4.532	12.45
10) TC C335 1,3-Dichlorobenz	1.652	1.992	1.624	1.555	1.540	1.673	11.03
11) MC C340 1,4-Dichlorobenz	1.654	2.085	1.636	1.534	1.556	1.693	13.30
12) S CS75 1,2-dichlorobenz	0.964	1.230	0.887	0.858	0.838	0.956	16.85
13) TC C350 1,2-Dichlorobenz	1.559	1.838	1.480	1.416	1.373	1.533	12.02
14) T C345 Benzyl alcohol	1.892	2.182	1.841	1.733	1.770	1.883	9.44
15) T C360 bis(2-chloroisop	2.084	2.487	2.057	1.961	1.988	2.115	10.10
16) TC C355 2-Methylphenol	1.497	1.757	1.475	1.396	1.405	1.506	9.74
17) TC C375 Hexachloroethane	0.659	0.795	0.662	0.647	0.647	0.682	9.30
18) MC C370 N-Nitroso-di-n-p	1.401	1.568	1.378	1.308	1.341	1.399	7.19
19) TC C365 4-Methylphenol	1.600	1.797	1.580	1.508	1.535	1.604	7.09
20) I CI40 Naphthalene-d8	-----ISTD-----						
21) S CS20 Nitrobenzene-d5	0.557	0.585	0.544	0.537	0.556	0.556	3.30
22) T C410 Nitrobenzene	0.554	0.624	0.545	0.537	0.548	0.562	6.30
23) TC C415 Isophorone	0.910	0.985	0.888	0.881	0.911	0.915	4.52
24) T C430 benzoic acid	0.243	0.091	0.341	0.448	0.540	-----	-----
	L M= 1.187 R=0.995						
	B= -4.185						
25) TC C420 2-Nitrophenol	0.188	0.206	0.189	0.191	0.194	0.194	3.68
26) T C425 2,4-Dimethylphen	0.461	0.517	0.458	0.443	0.455	0.467	6.15
27) TC C435 bis(2-Chloroetho	0.473	0.533	0.456	0.448	0.458	0.474	7.29
28) TC C440 2,4-Dichlorophen	0.320	0.369	0.301	0.297	0.305	0.319	9.26
29) MC C445 1,2,4-Trichlorob	0.338	0.404	0.318	0.310	0.306	0.335	12.07
30) TC C450 Naphthalene	1.078	1.275	1.033	1.012	1.023	1.084	10.10
31) T C455 4-Chloroaniline	0.431	0.462	0.417	0.404	0.409	0.425	5.39
32) T C460 Hexachlorobutadi	0.207	0.236	0.199	0.195	0.198	0.207	8.00
33) MC C465 4-Chloro-3-methy	0.393	0.403	0.390	0.381	0.396	0.392	2.00
34) TC C470 2-Methylnaphthal	0.732	0.815	0.698	0.674	0.694	0.723	7.71
35) I CI50 Acenaphthene-d8	-----ISTD-----						
36) T C510 Hexachlorocyclop	0.376	0.366	0.376	0.382	0.395	0.379	2.84
37) TC C515 2,4,6-Trichlorop	0.361	0.411	0.357	0.361	0.368	0.372	6.08
38) TC C520 2,4,5-Trichlorop	0.384	0.417	0.376	0.378	0.403	0.392	4.55
39) S CS25 2-Fluorobiphenyl	1.413	1.616	1.348	1.341	1.358	1.415	8.17
40) TC C525 2-Chloronaphthal	1.112	1.298	1.063	1.042	1.073	1.117	9.33
41) T C530 2-Nitroaniline	0.460	0.475	0.462	0.464	0.489	0.470	2.57
42) MC C540 Acenaphthylene	1.722	1.960	1.690	1.659	1.716	1.749	6.88
43) T C535 Dimethylphthalat	1.369	1.513	1.328	1.329	1.369	1.382	5.52
44) TC C542 2,6-Dinitrotolue	0.287	0.302	0.290	0.290	0.303	0.295	2.54
45) TC C550 Acenaphthene	1.055	1.258	1.017	1.006	1.038	1.075	9.68
46) T C545 3-Nitroaniline	0.302	0.308	0.295	0.301	0.315	0.304	2.60
47) T C555 2,4-Dinitrophen	0.055	0.021	0.078	0.095	0.111	-----	-----
	L M= 0.157 R=0.992						
	B= -0.191						
48) TC C565 Dibenzofuran	1.632	1.948	1.543	1.549	1.582	1.651	10.28
49) MC C570 2,4-Dinitrotolue	0.398	0.391	0.394	0.395	0.408	0.397	1.63

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef

(#) = Out of Range

8270E.M

Wed Mar 15 12:17:45 2006

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Response Factor Report HP5973U

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
 Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 12:15:16 2006
 Response via : Initial Calibration

Calibration Files
 50 =U11038.D 20 =U11037.D 80 =U11039.D
 120 =U11040.D 160 =U11041.D

Compound	50	20	80	120	160	Avg	%RSD
50) M C560 4-Nitrophenol	0.244	0.212	0.239	0.254	0.263	0.242	7.90
51) TC C590 Fluorene	1.348	1.540	1.278	1.277	1.305	1.350	8.17
52) TC C585 4-Chlorophenyl-p	0.649	0.774	0.622	0.614	0.625	0.657	10.19
53) T C580 Diethylphthalate	1.312	1.514	1.271	1.256	1.294	1.329	7.93
54) T C620 1,2 diphenylhydr	1.737	1.948	1.699	1.689	1.744	1.763	6.01
55) T C595 4-Nitroaniline	0.301	0.322	0.291	0.290	0.302	0.301	4.28
56) I CI60 Phenanthrene-d10	-----ISTD-----						
57) T C610 4,6-Dinitro-2-me	0.101	0.079	0.114	0.119	0.131	-----	-----
	L M= 0.157 R=0.998						
	B= -0.107						
58) T C615 n-Nitrosodipheny	0.615	0.684	0.608	0.589	0.599	0.619	6.11
59) S CS55 2,4,6-Tribromoph	0.101	0.103	0.099	0.095	0.098	0.099	2.89
60) TC C625 4-Bromophenyl-ph	0.222	0.260	0.220	0.211	0.216	0.226	8.66
61) TC C630 Hexachlorobenzen	0.216	0.269	0.219	0.211	0.210	0.225	11.16
62) MC C635 Pentachloropheno	0.078	0.061	0.087	0.094	0.102	0.084	18.85
63) TC C640 Phenanthrene	1.240	1.479	1.222	1.157	1.181	1.255	10.28
64) TC C645 Anthracene	1.249	1.439	1.231	1.174	1.197	1.258	8.36
65) T C647 carbazole	1.168	1.342	1.125	1.084	1.110	1.166	8.86
66) T C650 Di-n-butylphthal	1.357	1.570	1.373	1.328	1.376	1.401	6.90
67) TC C655 Fluoranthene	1.475	1.767	1.472	1.413	1.451	1.515	9.40
68) I CI70 Chrysene-d12	-----ISTD-----						
69) MC C715 Pyrene	1.352	1.505	1.339	1.274	1.322	1.358	6.41
70) T C710 benzidine	0.436	0.245	0.442	0.429	0.405	-----	-----
	L M= 0.421 R=0.990						
	B= -0.008						
71) S CS30 Terphenyl-d14	0.936	1.070	0.931	0.877	0.927	0.948	7.64
72) T C720 Butylbenzylphtha	0.583	0.626	0.587	0.558	0.581	0.587	4.22
73) T C725 3,3'-Dichloroben	0.462	0.260	0.454	0.427	0.432	-----	-----
	L M= 0.439 R=0.993						
	B= -0.010						
74) TC C730 Benzo[a]anthrace	1.236	1.437	1.197	1.165	1.210	1.249	8.65
75) TC C735 Chrysene	1.256	1.442	1.232	1.142	1.199	1.254	9.04
76) T C740 bis(2-Ethylhexyl	0.792	0.872	0.797	0.763	0.794	0.804	5.08
77) T C760 Di-n-octylphthal	1.495	1.523	1.502	1.426	1.489	1.487	2.44
78) I CI75 Perylene-d12	-----ISTD-----						
79) TC C765 Benzo[b]fluorant	1.343	1.500	1.277	1.216	1.328	1.333	7.94
80) TC C770 Benzo[k]fluorant	1.319	1.554	1.296	1.172	1.137	1.296	12.65
81) TC C775 Benzo[a]pyrene	1.226	1.377	1.217	1.126	1.160	1.221	7.88
82) TC C780 Indeno[1,2,3-cd]	1.184	1.374	1.189	1.160	1.215	1.224	7.03
83) TC C785 Dibenz[a,h]anthr	1.022	1.189	1.029	0.980	1.046	1.053	7.58
84) TC C790 Benzo[g,h,i]pery	1.014	1.194	1.019	0.968	1.010	1.041	8.42

Total Average %RSD 7.82%

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
 (#) = Out of Range

8270E.M

Wed Mar 15 12:17:45 2006

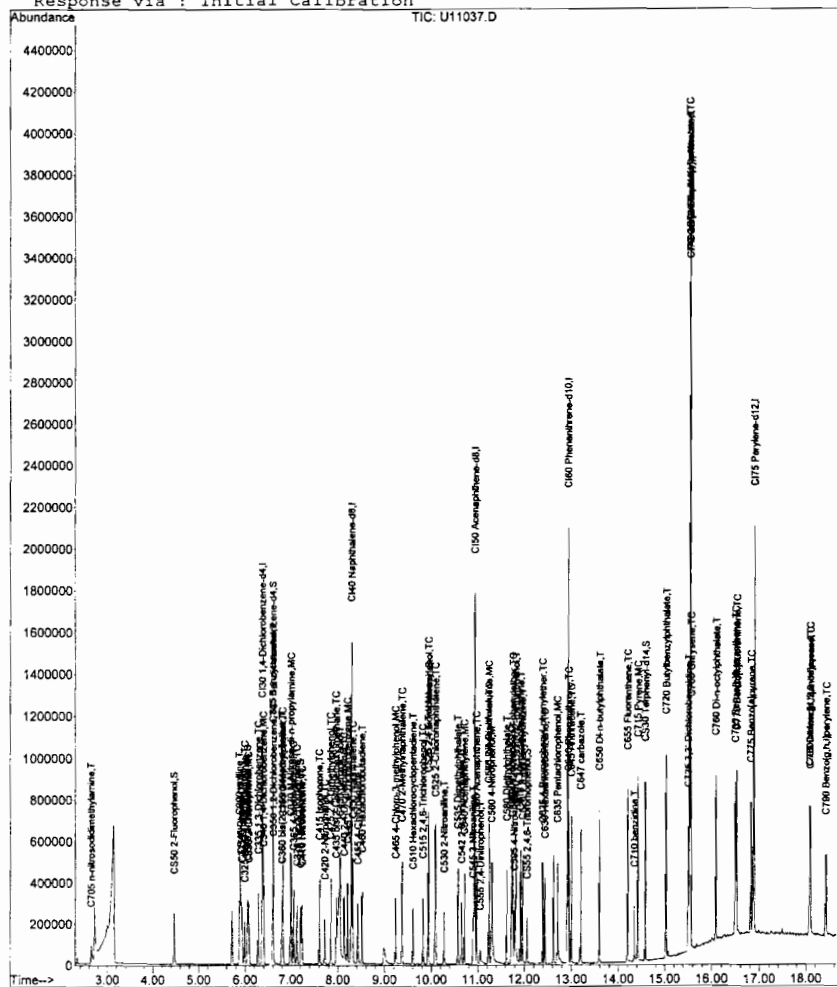
Page 2

Quantitation Report (Not Reviewed)

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Data File : C:\MSDCHEM\1\DATA\031506\U11037.D Vial: 2
 Acq On : 15 Mar 2006 9:50 Operator: MD
 Sample : SST010 Inst : HP5973U
 Misc : 8270(02/22/06) Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Mar 15 10:16 2006 Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
 Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 10:16:07 2006
 Response via : Initial Calibration



U11037.D 8270E.M Wed Mar 15 10:16:18 2006

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Quantitation Report

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Data File : C:\MSDCHEM\1\DATA\031506\U11037.D Vial: 2
 Acq On : 15 Mar 2006 9:50 Operator: MD
 Sample : SST010 Inst : HP5973U
 Misc : 8270(02/22/06) Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Mar 15 10:16:16 2006 Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
 Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 10:16:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8270E
 IS QA File : C:\MSDCHEM\1\DATA\030906\U10954.D (9 Mar 2006 13:02)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) C130 1,4-Dichlorobenzene-d	6.37	152	182500	40.00	ng	0.00	
20) C140 Naphthalene-d8	8.28	136	734050	40.00	ng	239.20%	
35) C150 Acenaphthene-d8	10.92	164	447609	40.00	ng	252.38%	
56) C160 Phenanthrene-d10	12.91	188	753660	40.00	ng	278.68%	
68) C170 Chrysene-d12	15.53	240	922602	40.00	ng	253.47%	
78) C175 Perylene-d12	16.87	264	870197	40.00	ng	254.52%	
						270.41%	

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
3) C550 2-Fluorophenol	4.46	112	87216	12.47	ng	0.00	
Spiked Amount	150.000	Range 21 - 110	Recovery =	8.31%			
5) C545 Phenol-d5	5.90	99	117437	12.23	ng	0.00	
Spiked Amount	150.000	Range 10 - 110	Recovery =	8.15%			
6) C570 2-chlorophenol-d4	6.05	132	85229	12.11	ng	0.00	
Spiked Amount	150.000	Range 33 - 110	Recovery =	8.07%			
12) C575 1,2-dichlorobenzene-d	6.60	152	56141	12.06	ng	0.00	
Spiked Amount	100.000	Range 16 - 110	Recovery =	12.06%			
21) C520 Nitrobenzene-d5	7.21	82	107320	10.31	ng	0.00	
Spiked Amount	100.000	Range 34 - 114	Recovery =	10.31%			
39) C525 2-Fluorobiphenyl	9.94	172	180833	10.34	ng	0.00	
Spiked Amount	100.000	Range 43 - 116	Recovery =	10.34%			
59) C555 2,4,6-Tribromophenol	12.06	330	19330	10.22	ng	0.00	
Spiked Amount	150.000	Range 10 - 123	Recovery =	6.81%			
71) C530 Terphenyl-d14	14.57	244	246891	11.40	ng	0.00	
Spiked Amount	100.000	Range 33 - 141	Recovery =	11.40%			

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) C705 n-nitrosodimethylam	2.64	74	55717	13.19	ng	93
4) C325 bis(2-Chloroethyl)eth	5.99	93	86727	12.83	ng	91
7) C315 Phenol	5.92	94	111835	11.03	ng	96
8) C330 2-Chlorophenol	6.07	128	80286	12.04	ng	94
9) C320 aniline	5.88	93	249079	12.46	ng	78
10) C335 1,3-Dichlorobenzene	6.28	146	90885	11.94	ng	93
11) C340 1,4-Dichlorobenzene	6.39	146	95142	12.14	ng	94
13) C350 1,2-Dichlorobenzene	6.62	146	83858	11.54	ng	98
14) C345 Benzyl alcohol	6.60	108	99541	11.58	ng	72
15) C360 bis(2-chloroisopropyl	6.80	45	113468	12.12	ng	79
16) C355 2-Methylphenol	6.82	108	80146	12.18	ng	99
17) C375 Hexachloroethane	7.13	117	36273	11.17	ng	98
18) C370 N-Nitroso-di-n-propyl	7.00	70	71528	11.77	ng	87
19) C365 4-Methylphenol	7.05	108	81976	11.92	ng	94
22) C410 Nitrobenzene	7.24	77	114527	10.87	ng	93
23) C415 Isophorone	7.61	82	180742	11.24	ng	97
24) C430 benzoic acid	8.04	122	249269	51.30	ng	83
25) C420 2-Nitrophenol	7.72	139	37744	10.53	ng	93
26) C425 2,4-Dimethylphenol	7.84	107	94831	10.92	ng	93

(#) = qualifier out of range (m) = manual integration
 U11037.D 8270E.M Wed Mar 15 10:16:17 2006

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Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031506\U11037.D

Acq On : 15 Mar 2006 9:50

Sample : SST010

Misc : 8270(02/22/06)

MS Integration Params: rteint.p

Quant Time: Mar 15 10:16:16 2006

Vial: 2

Operator: MD

Inst : HP5973U

Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 10:16:07 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.96	93	97885	11.87	ng	98
28) C440 2,4-Dichlorophenol	8.13	162	67695	11.17	ng	93
29) C445 1,2,4-Trichlorobenzen	8.20	180	74191	11.26	ng	98
30) C450 Naphthalene	8.32	128	233960	11.42	ng	97
31) C455 4-Chloroaniline	8.42	127	84707	11.01	ng	99
32) C460 Hexachlorobutadiene	8.51	225	43221	10.31	ng	88
33) C465 4-Chloro-3-methylphen	9.24	107	73886	10.50	ng	95
34) C470 2-Methylnaphthalene	9.37	142	149562	10.90	ng	92
36) C510 Hexachlorocyclopentad	9.60	237	40910	9.74	ng	99
37) C515 2,4,6-Trichlorophenol	9.82	196	46042	10.08	ng	96
38) C520 2,4,5-Trichlorophenol	9.93	196	46654	9.72	ng	98
40) C525 2-Chloronaphthalene	10.09	162	145270	10.30	ng	99
41) C530 2-Nitroaniline	10.27	65	53149	9.22	ng	93
42) C540 Acenaphthylene	10.71	152	219331	10.74	ng	98
43) C535 Dimethylphthalate	10.57	163	169359	10.10	ng	96
44) C542 2,6-Dinitrotoluene	10.65	165	33802	9.25	ng	95
45) C550 Acenaphthene	10.97	153	140722	11.10	ng	93
46) C545 3-Nitroaniline	10.89	138	34497	9.61	ng	95
47) C555 2,4-Dinitrophenol	11.05	184	11760	10.09	ng	92
48) C565 Dibenzofuran	11.23	168	217951	10.46	ng	85
49) C570 2,4-Dinitrotoluene	11.24	165	43710	8.53	ng	1
50) C560 4-Nitrophenol	11.30	109	118791	35.62	ng	1
51) C590 Fluorene	11.73	166	172366	10.15	ng	97
52) C585 4-Chlorophenyl-phenyl	11.75	204	86641	10.33	ng	98
53) C580 Diethylphthalate	11.62	149	169384	10.14	ng	98
54) C620 1,2-diphenylhydrazine	11.96	77	218013	9.85	ng	96
55) C595 4-Nitroaniline	11.78	138	36042	11.15	ng	74
57) C610 4,6-Dinitro-2-methylp	11.82	198	74188	29.06	ng	100
58) C615 n-Nitrosodiphenylamin	11.92	169	128917	10.62	ng	94
60) C625 4-Bromophenyl-phenyle	12.39	248	49055	11.02	ng	94
61) C630 Hexachlorobenzene	12.44	284	50712	11.40	ng	98
62) C635 Pentachlorophenol	12.70	266	57041	27.64	ng	94
63) C640 Phenanthrene	12.93	178	278597	11.28	ng	97
64) C645 Anthracene	12.99	178	271061	11.09	ng	99
65) C647 carbazole	13.19	167	252869	11.42	ng	98
66) C650 Di-n-butylphthalate	13.59	149	295824	10.75	ng	98
67) C655 Fluoranthene	14.20	202	332839	11.07	ng	97
69) C715 Pyrene	14.42	202	347055	11.36	ng	92
70) C710 benzidine	14.34	184	113200	14.53	ng	98
72) C720 Butylbenzylphthalate	15.03	149	144488	10.89	ng	97
73) C725 3,3'-Dichlorobenzidin	15.50	252	120100	13.29	ng	97
74) C730 Benzo[a]anthracene	15.52	228	331385	10.92	ng	97
75) C735 Chrysene	15.55	228	332584	11.43	ng	96
76) C740 bis(2-Ethylhexyl)phth	15.52	149	201216	10.22	ng	97
77) C760 Di-n-octylphthalate	16.08	149	351316	10.60	ng	100
79) C765 Benzo[b]fluoranthene	16.49	252	326344	10.56	ng	97
80) C770 Benzo[k]fluoranthene	16.52	252	337965	10.70	ng	97
81) C775 Benzo[a]pyrene	16.82	252	299466	10.50	ng	96
82) C780 Indeno[1,2,3-cd]pyren	18.07	276	298925	10.14	ng	88
83) C785 Dibenz[a,h]anthracene	18.09	278	258717	10.00	ng	90
84) C790 Benzo[g,h,i]perylene	18.42	276	259655	10.67	ng	90

(#) = qualifier out of range (m) = manual integration
 U11037.D 8270E.M Wed Mar 15 10:16:17 2006

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Quantitation Report (Not Reviewed)

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Data File : C:\MSDCHEM\1\DATA\031506\U11038.D

Acq On : 15 Mar 2006 10:14

Sample : SST050

Misc : 8270(02/22/06)

MS Integration Params: rteint.p

Quant Time: Mar 15 10:41 2006

Vial: 3

Operator: MD

Inst : HP5973U

Multiplr: 1.00

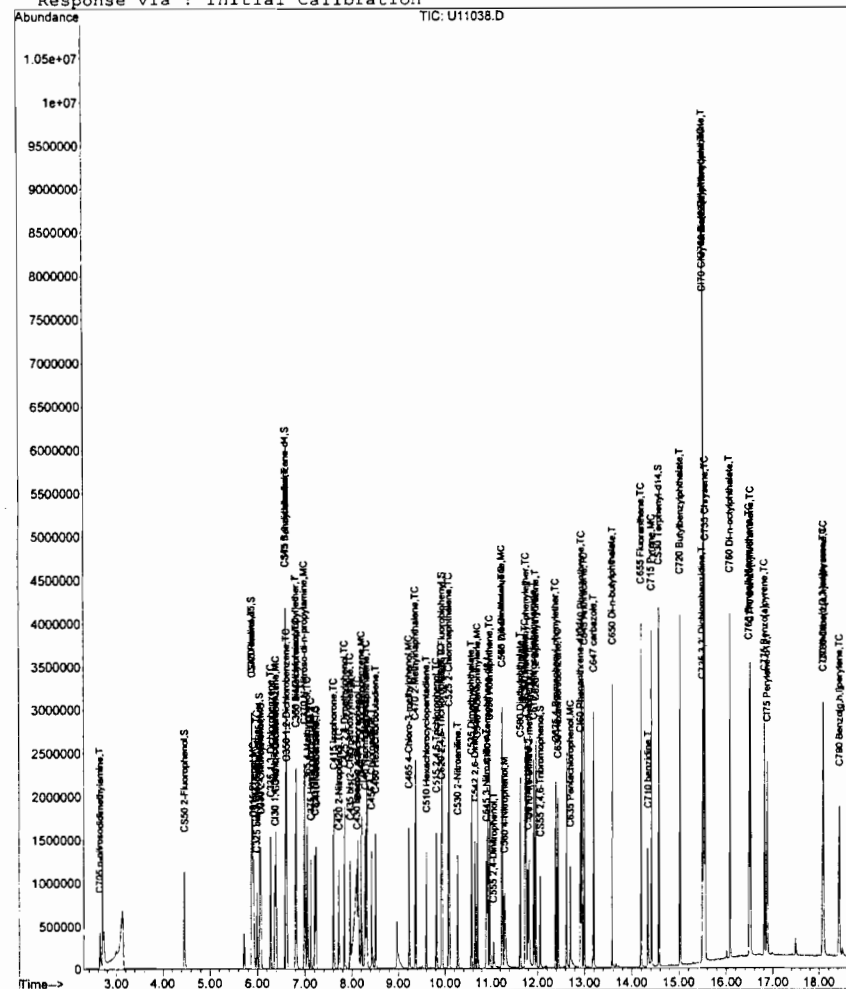
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 10:18:04 2006

Response via : Initial Calibration



U11038.D 8270E.M Wed Mar 15 10:41:09 2006

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Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031506\U11038.D
 Acq On : 15 Mar 2006 10:14
 Sample : SST050
 Misc : 8270(02/22/06)
 MS Integration Params: rteint.p
 Quant Time: Mar 15 10:41:07 2006

Vial: 3
 Operator: MD
 Inst : HP5973U
 Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
 Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 10:18:04 2006
 Response via : Initial Calibration
 DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\030906\U10954.D (9 Mar 2006 13:02)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
					Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.37	152	191775	40.00 ng	0.00
					251.36%
20) CI40 Naphthalene-d8	8.28	136	757476	40.00 ng	0.00
					260.44%
35) CI50 Acenaphthene-d8	10.92	164	476607	40.00 ng	0.00
					296.74%
56) CI60 Phenanthrene-d10	12.91	188	792662	40.00 ng	0.00
					266.58%
68) CI70 Chrysene-d12	15.53	240	909503	40.00 ng	0.00
					250.91%
78) CI75 Perylene-d12	16.87	264	917415	40.00 ng	0.00
					285.08%

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.46	112	400282	54.47 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	36.31%	
5) CS45 Phenol-d5	5.89	99	528402	52.35 ng	-0.01
Spiked Amount 150.000	Range 10 - 110		Recovery =	34.90%	
6) CS70 2-chlorophenol-d4	6.05	132	380939	51.50 ng	0.00
Spiked Amount 150.000	Range 33 - 110		Recovery =	34.33%	
12) CS75 1,2-dichlorobenzene-d	6.60	152	231030	47.24 ng	0.00
Spiked Amount 100.000	Range 16 - 110		Recovery =	47.24%	
21) CS20 Nitrobenzene-d5	7.21	82	527226	49.11 ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	49.11%	
39) CS25 2-Fluorobiphenyl	9.94	172	841532	45.17 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	45.17%	
59) CS55 2,4,6-Tribromophenol	12.06	330	99820	50.19 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	33.46%	
71) CS30 Terphenyl-d14	14.57	244	1063846	49.85 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	49.85%	

Target Compounds

	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodidimethylam	2.64	74	247772	55.96 ng	98
4) C325 bis(2-Chloroethyl)eth	5.99	93	390673	55.00 ng	92
7) C315 Phenol	5.91	94	506187	47.49 ng	98
8) C330 2-Chlorophenol	6.07	128	355669	50.75 ng	95
9) C320 aniline	5.88	93	1101190	52.42 ng	73
10) C335 1,3-Dichlorobenzene	6.28	146	396124	49.54 ng	99
11) C340 1,4-Dichlorobenzene	6.39	146	396471	48.12 ng	96
13) C350 1,2-Dichlorobenzene	6.62	146	373619	48.92 ng	95
14) C345 Benzyl alcohol	6.60	108	453589	50.22 ng	# 76
15) C360 bis(2-chloroisopropyl	6.81	45	499603	50.78 ng	# 1
16) C355 2-Methylphenol	6.82	108	358793	51.88 ng	93
17) C375 Hexachloroethane	7.13	117	158067	46.32 ng	98
18) C370 N-Nitroso-di-n-propyl	7.00	70	335835	52.57 ng	87
19) C365 4-Methylphenol	7.05	108	383599	53.08 ng	93
22) C410 Nitrobenzene	7.24	77	524708	48.28 ng	92
23) C415 Isophorone	7.61	82	861987	51.96 ng	95
24) C430 benzoic acid	8.10	122	827752	164.73 ng	90
25) C420 2-Nitrophenol	7.72	139	178248	48.18 ng	75
26) C425 2,4-Dimethylphenol	7.84	107	436670	48.74 ng	88

(#) = qualifier out of range (m) = manual integration
 U11038.D 8270E.M Wed Mar 15 10:41:08 2006

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Quantitation Report

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Data File : C:\MSDCHEM\1\DATA\031506\U11038.D
 Acq On : 15 Mar 2006 10:14
 Sample : SST050
 Misc : 8270(02/22/06)
 MS Integration Params: rteint.p
 Quant Time: Mar 15 10:41:07 2006

Vial: 3
 Operator: MD
 Inst : HP5973U
 Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
 Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 10:18:04 2006
 Response via : Initial Calibration
 DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.96	93	447962	52.66 ng	99
28) C440 2,4-Dichlorophenol	8.13	162	303419	48.52 ng	96
29) C455 1,2,4-Trichlorobenzen	8.20	180	320471	47.13 ng	98
30) C450 Naphthalene	8.32	128	1021075	48.31 ng	97
31) C455 4-Chloroaniline	8.42	127	407912	51.38 ng	98
32) C460 Hexachlorobutadiene	8.51	225	195999	45.31 ng	98
33) C465 4-Chloro-3-methylphen	9.23	107	372211	51.24 ng	86
34) C470 2-Methylnaphthalene	9.37	142	693088	48.94 ng	93
36) C510 Hexachlorocyclopentad	9.60	237	224057	50.12 ng	95
37) C515 2,4,6-Trichlorophenol	9.82	196	225276	44.25 ng	100
38) C520 2,4,5-Trichlorophenol	9.92	196	228642	44.74 ng	98
40) C525 2-Chloronaphthalene	10.10	162	662556	44.13 ng	97
41) C530 2-Nitroaniline	10.27	65	274104	44.63 ng	90
42) C540 Acenaphthylene	10.71	152	1025966	47.18 ng	97
43) C535 Dimethylphthalate	10.57	163	815392	45.68 ng	98
44) C542 2,6-Dinitrotoluene	10.65	165	171150	43.99 ng	86
45) C550 Acenaphthene	10.97	153	628454	46.56 ng	97
46) C545 3-Nitroaniline	10.90	138	179781	47.03 ng	89
47) C555 2,4-Dinitrophenol	11.06	184	52754	42.50 ng	86
48) C565 Dibenzofuran	11.23	168	972052	43.79 ng	88
49) C570 2,4-Dinitrotoluene	11.24	165	237250	43.48 ng	# 1
50) C560 4-Nitrophenol	11.29	109	232582	65.49 ng	# 1
51) C590 Fluorene	11.73	166	803357	44.44 ng	98
52) C585 4-Chlorophenyl-phenyl	11.75	204	386617	43.31 ng	92
53) C580 Diethylphthalate	11.63	149	781368	43.91 ng	98
54) C620 1,2 diphenylhydrazine	11.97	77	1034592	43.92 ng	95
55) C595 4-Nitroaniline	11.79	138	179266	52.08 ng	# 79
57) C610 4,6-Dinitro-2-methylp	11.82	198	159731	59.49 ng	100
58) C615 n-Nitrosodiphenylamin	11.92	169	609509	47.75 ng	95
60) C625 4-Bromophenyl-phenyle	12.39	248	220350	47.08 ng	97
61) C630 Hexachlorobenzene	12.44	284	213937	45.73 ng	91
62) C635 Pentachlorophenol	12.70	266	123498	56.89 ng	98
63) C640 Phenanthrene	12.94	178	1228146	47.29 ng	98
64) C645 Anthracene	13.00	178	1237328	48.13 ng	96
65) C647 carbazole	13.19	167	1157036	49.68 ng	97
66) C650 Di-n-butylphthalate	13.59	149	1344301	46.45 ng	97
67) C655 Fluoranthene	14.20	202	1461122	46.22 ng	97
69) C715 Pyrene	14.42	202	1537235	51.05 ng	96
70) C710 benzidine	14.34	184	495162	64.46 ng	99
72) C720 Butylbenzylphthalate	15.03	149	662258	50.64 ng	91
73) C725 3,3'-Dichlorobenzidini	15.50	252	525691	59.02 ng	95
74) C730 Benzo[a]anthracene	15.52	228	1405088	46.95 ng	98
75) C735 Chrysene	15.56	228	1427500	49.78 ng	98
76) C740 bis(2-Ethylhexyl)phth	15.52	149	900931	46.41 ng	97
77) C760 Di-n-octylphthalate	16.08	149	1699242	52.03 ng	100
79) C765 Benzo[b]fluoranthene	16.50	252	1539541	47.24 ng	96
80) C770 Benzo[k]fluoranthene	16.52	252	1512828	45.43 ng	96
81) C775 Benzo[a]pyrene	16.82	252	1406163	46.77 ng	95
82) C780 Indeno[1,2,3-cd]pyren	18.08	276	1357312	43.67 ng	83
83) C785 Dibenz[a,h]anthracene	18.09	278	1172521	43.00 ng	95
84) C790 Benzo[g,h,i]perylene	18.43	276	1162489	45.26 ng	93

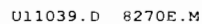
(#) = qualifier out of range (m) = manual integration
 U11038.D 8270E.M Wed Mar 15 10:41:08 2006

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Quant Time: Mar 15 10:59 2006

Quant Results File: 8270E.RES

Response via : Initial Calibration



Wed Mar 15 10:59:26 2006

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Quant Time: Mar 15 10:59:23 2006

Inst: HF59
Multiplr: 1.00

Quant Results File: 8270E.RES

DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031506\U11038.D (15 Mar 2006 10:14)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) CI30 1,4-Dichlorobenzene-d	6.37	152	210433	40.00	ng	0.00%
20) CI40 Naphthalene-d8	8.28	136	841242	40.00	ng	109.73%
35) CI50 Acenaphthene-d8	10.92	164	530235	40.00	ng	0.00%
56) CI60 Phenanthrene-d10	12.91	188	849684	40.00	ng	111.06%
68) CI70 Chrysene-d12	15.53	240	958851	40.00	ng	111.25%
78) CI75 Perylene-d12	16.87	264	977293	40.00	ng	0.00%
						107.19%
						0.00%
						105.43%
						0.00%
						106.53%

System Monitoring Compounds

3)	CS50 2-Fluorophenol	4.46	112	696276	84.07	ng	0.00
	Spiked Amount 150.000	Range 21	- 110	Recovery	=	56.05%	
5)	CS45 Phenol-d5	5.89	99	879401	77.69	ng	0.00
	Spiked Amount 150.000	Range 10	- 110	Recovery	=	51.79%	
6)	CS70 2-chlorophenol-d4	6.05	132	654860	79.48	ng	0.00
	Spiked Amount 150.000	Range 33	- 110	Recovery	=	52.99%	
12)	CS75 1,2-dichlorobenzene-d	6.60	152	373369	69.91	ng	0.00
	Spiked Amount 100.000	Range 16	- 110	Recovery	=	69.91%	
21)	CS20 Nitrobenzene-d5	7.21	82	915206	76.65	ng	0.00
	Spiked Amount 100.000	Range 34	- 114	Recovery	=	76.65%	
39)	CS25 2-Fluorobiphenyl	9.94	172	1429550	70.85	ng	0.00
	Spiked Amount 100.000	Range 43	- 116	Recovery	=	70.85%	
59)	CS55 2,4,6-Tribromophenol	12.06	330	167598	77.69	ng	0.00
	Spiked Amount 150.000	Range 10	- 123	Recovery	=	51.79%	
71)	CS30 Terphenyl-d14	14.57	244	1784963	78.73	ng	0.00
	Spiked Amount 100.000	Range 33	- 141	Recovery	=	78.73%	

Target Compounds

						P-value
2)	C705	n-nitrosodidimethylam	2.64	74	430012	85.61 ng
4)	C325	bis(2-Chloroethyl)eth	5.99	93	677679	84.02 ng
7)	C315	Phenol	5.91	94	1007141	86.92 ng
8)	C330	2-Chlorophenol	6.07	128	616667	79.58 ng
9)	C320	aniline	5.88	93	1866258	79.39 ng
10)	C335	1,3-Dichlorobenzene	6.28	146	683672	77.80 ng
11)	C340	1,4-Dichlorobenzene	6.40	146	688589	76.27 ng
13)	C350	1,2-Dichlorobenzene	6.62	146	622856	74.43 ng
14)	C345	Benzyl alcohol	6.60	108	774642	77.36 ng
15)	C360	bis(2-chloroisopropyl	6.80	45	865647	79.28 ng
16)	C355	2-Methylphenol	6.82	108	620800	80.18 ng
17)	C375	Hexachloroethane	7.13	117	278641	75.42 ng
18)	C370	N-Nitroso-di-n-propyl	7.00	70	579930	81.53 ng
19)	C365	4-Methylphenol	7.05	108	665035	82.23 ng
22)	A40	Nitrobenzene	7.24	77	916252	75.70 ng
23)	A43	Isophorone	7.61	82	1493253	79.44 ng
24)	C430	benzoic acid	8.15	122	1433598	243.31 ng
25)	A420	2-Nitrophenol	7.72	139	318101	77.31 ng
26)	A425	2,4-Dimethylphenol	7.84	107	769962	76.87 ng

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

U11039.D 8270E.M Wed Mar 15 10:59:24 2006

Quantitation Report

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Data File : C:\MSDCHEM\1\DATA\031506\U11039.D
 Acq On : 15 Mar 2006 10:38
 Sample : SSTD080
 Misc : 8270(02/22/06)
 MS Integration Params: rteint.p
 Quant Time: Mar 15 10:59:23 2006

Vial: 4
 Operator: MD
 Inst : HP5973U
 Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
 Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 10:43:39 2006
 Response via : Initial Calibration
 DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.96	93	767216	79.44	ng	97
28) C440 2,4-Dichlorophenol	8.12	162	506856	72.51	ng	97
29) C445 1,2,4-Trichlorobenzen	8.20	180	534919	71.04	ng	98
30) C450 Naphthalene	8.32	128	1738019	73.90	ng	96
31) C455 4-Chloroaniline	8.43	127	701928	77.97	ng	99
32) C460 Hexachlorobutadiene	8.51	225	334588	70.48	ng	98
33) C465 4-Chloro-3-methylphen	9.23	107	655487	80.19	ng	86
34) C470 2-Methylnaphthalene	9.37	142	1173537	74.02	ng	96
36) C510 Hexachlorocyclopentad	9.60	237	398931	79.45	ng	98
37) C515 2,4,6-Trichlorophenol	9.82	196	378577	71.73	ng	98
38) C520 2,4,5-Trichlorophenol	9.92	196	398526	72.32	ng	99
40) C525 2-Chloronaphthalene	10.10	162	1126756	69.40	ng	98
41) C530 2-Nitroaniline	10.28	65	489835	73.45	ng	88
42) C540 Acenaphthylene	10.71	152	1791690	75.86	ng	96
43) C535 Dimethylphthalate	10.58	163	1408781	72.50	ng	100
44) C542 2,6-Dinitrotoluene	10.65	165	307815	73.01	ng	80
45) C550 Acenaphthene	10.98	153	1078070	72.66	ng	97
46) C545 3-Nitroaniline	10.90	138	312432	73.65	ng	86
47) C555 2,4-Dinitrophenol	11.06	184	103112	79.49	ng	88
48) C565 Dibenzofuran	11.24	168	1636316	68.18	ng	91
49) C570 2,4-Dinitrotoluene	11.25	165	418352	71.50	ng	1
50) C560 4-Nitrophenol	11.29	109	316391	83.00	ng	1
51) C590 Fluorene	11.73	166	1355249	69.06	ng	98
52) C585 4-Chlorophenyl-phenyl	11.76	204	659848	68.33	ng	97
53) C580 Diethylphthalate	11.63	149	1347562	69.86	ng	99
54) C620 1,2 diphenylhydrazine	11.97	77	1801555	70.57	ng	94
55) C595 4-Nitroaniline	11.80	138	308879	78.03	ng	70
57) C610 4,6-Dinitro-2-methylp	11.83	198	242339	89.19	ng	100
58) C615 n-Nitrosodiphenylamin	11.92	169	1033392	75.57	ng	98
60) C625 4-Bromophenyl-phenyle	12.39	248	374624	74.50	ng	98
61) C630 Hexachlorobenzene	12.44	284	371845	74.85	ng	97
62) C635 Pentachlorophenol	12.71	266	184864	88.51	ng	99
63) C640 Phenanthrene	12.94	178	2076652	74.57	ng	98
64) C645 Anthracene	13.00	178	2091212	75.80	ng	97
65) C647 carbazole	13.20	167	1912187	75.53	ng	97
66) C650 Di-n-butylphthalate	13.59	149	2332860	75.04	ng	98
67) C655 Fluoranthene	14.20	202	2501574	74.13	ng	97
69) C715 Pyrene	14.42	202	2567970	79.79	ng	90
70) C710 benzidine	14.34	184	847202	101.47	ng	100
72) C720 Butylbenzylphthalate	15.03	149	1125269	81.02	ng	90
73) C725 3,3'-Dichlorobenzidin	15.50	252	871525	91.46	ng	96
74) C730 Benzo[a]anthracene	15.52	228	2296361	73.03	ng	98
75) C735 Chrysene	15.56	228	2362347	77.55	ng	97
76) C740 bis(2-Ethylhexyl)phth	15.52	149	1528301	75.17	ng	99
77) C760 Di-n-octylphthalate	16.08	149	2879450	82.73	ng	100
79) C765 Benzo[b]fluoranthene	16.50	252	2495336	72.07	ng	97
80) C770 Benzo[k]fluoranthene	16.52	252	2533849	71.56	ng	97
81) C775 Benzo[a]pyrene	16.82	252	2378902	74.32	ng	96
82) C780 Indeno[1,2,3-cd]pyren	18.08	276	2323046	70.88	ng	84
83) C785 Dibenz[a,h]anthracene	18.10	278	2011402	69.99	ng	96
84) C790 Benzo[g,h,i]perylene	18.43	276	1991933	73.18	ng	92

(#) = qualifier out of range (m) = manual integration
 U11039.D 8270E.M Wed Mar 15 10:59:25 2006

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Quantitation Report (Not Reviewed)

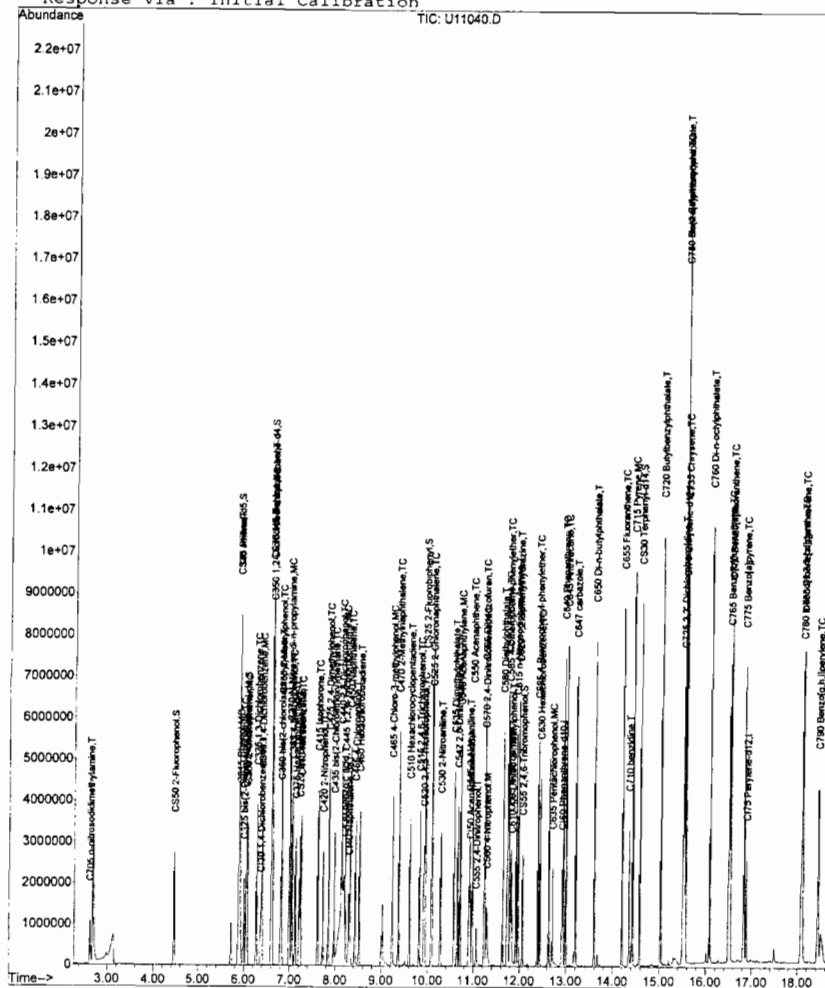
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Data File : C:\MSDCHEM\1\DATA\031506\U11040.D
 Acq On : 15 Mar 2006 11:02
 Sample : SSTD120
 Misc : 8270(02/22/06)
 MS Integration Params: rteint.p
 Quant Time: Mar 15 11:22:06

Vial: 5
 Operator: MD
 Inst : HP5973U
 Multiplr: 1.00

Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
 Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 11:00:57 2006
 Response via : Initial Calibration



U11040.D 8270E.M

Wed Mar 15 11:22:12 2006

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Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031506\U11040.D
 Acq On : 15 Mar 2006 11:02
 Sample : SSTD120
 Misc : 8270(02/22/06)
 MS Integration Params: rteint.p
 Quant Time: Mar 15 11:22:10 2006

Vial: 5
 Operator: MD
 Inst : HP5973U
 Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 11:00:57 2006
 Response via : Initial Calibration
 DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031506\U11038.D (15 Mar 2006 10:14)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.37	152	217133	40.00 ng	0.00
					113.22%
20) CI40 Naphthalene-d8	8.29	136	847561	40.00 ng	0.00
					111.89%
35) CI50 Acenaphthene-d8	10.92	164	524125	40.00 ng	0.00
					109.97%
56) CI60 Phenanthrene-d10	12.91	188	868050	40.00 ng	0.00
					109.51%
68) CI70 Chrysene-d12	15.54	240	985198	40.00 ng	0.00
					108.32%
78) CI75 Perylene-d12	16.88	264	1032420	40.00 ng	0.00
					112.54%

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.46	112	1036627	117.50 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	78.33%	
5) CS45 Phenol-d5	5.88	99	1270048	107.26 ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery =	71.51%	
6) CS70 2-chlorophenol-d4	6.05	132	973755	113.21 ng	0.00
Spiked Amount 150.000	Range 33 - 110		Recovery =	75.47%	
12) CS75 1,2-dichlorobenzene-d	6.60	152	559179	102.78 ng	0.00
Spiked Amount 100.000	Range 16 - 110		Recovery =	102.78%	
21) CS20 Nitrobenzene-d5	7.21	82	1365069	114.65 ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	114.65%	
39) CS25 2-Fluorobiphenyl	9.94	172	2109336	109.64 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	109.64%	
59) CS55 2,4,6-Tribromophenol	12.07	330	247249	112.22 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	74.81%	
71) CS30 Terphenyl-d14	14.58	244	2590693	110.85 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	110.85%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodimethylam	2.63	74	635967	118.07 ng	96
4) C325 bis(2-Chloroethyl)eth	5.99	93	1006100	116.98 ng	93
7) C315 Phenol	5.91	94	1478493	120.81 ng	98
8) C330 2-Chlorophenol	6.07	128	909727	111.59 ng	97
9) C320 aniline	5.89	93	2680023	108.67 ng	# 26
10) C335 1,3-Dichlorobenzene	6.28	146	1012774	110.79 ng	99
11) C340 1,4-Dichlorobenzene	6.40	146	999223	106.79 ng	96
13) C350 1,2-Dichlorobenzene	6.62	146	922420	106.92 ng	98
14) C345 Benzyl alcohol	6.61	108	1129014	108.30 ng	# 71
15) C360 bis(2-chloroisopropyl	6.80	45	1277232	111.86 ng	66
16) C355 2-Methylphenol	6.82	108	909247	111.98 ng	97
17) C375 Hexachloroethane	7.13	117	421688	111.10 ng	94
18) C370 N-Nitroso-di-n-propyl	7.01	70	852187	113.85 ng	86
19) C365 4-Methylphenol	7.05	108	982305	115.10 ng	94
22) C410 Nitrobenzene	7.24	77	1366610	113.02 ng	91
23) C415 Isophorone	7.61	82	2240128	117.47 ng	94
24) C430 benzoic acid	8.18	122	2090313	333.25 ng	86
25) C420 2-Nitrophenol	7.72	139	485239	117.85 ng	83
26) C425 2,4-Dimethylphenol	7.84	107	1127530	112.51 ng	85

(#) = qualifier out of range (m) = manual integration
 U11040.D 8270E.M Wed Mar 15 11:22:11 2006

Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031506\U11040.D
 Acq On : 15 Mar 2006 11:02
 Sample : SSTD120
 Misc : 8270(02/22/06)
 MS Integration Params: rteint.p
 Quant Time: Mar 15 11:22:10 2006

Vial: 5
 Operator: MD
 Inst : HP5973U
 Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC
 Last Update : Wed Mar 15 11:00:57 2006
 Response via : Initial Calibration
 DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.96	93	1139834	115.79 ng	100
28) C440 2,4-Dichlorophenol	8.12	162	754864	108.68 ng	99
29) C445 1,2,4-Trichlorobenzene	8.20	180	789449	105.47 ng	98
30) C450 Naphthalene	8.32	128	2572765	109.52 ng	98
31) C455 4-Chloroaniline	8.43	127	1028396	113.01 ng	99
32) C460 Hexachlorobutadiene	8.52	225	496560	106.97 ng	98
33) C465 4-Chloro-3-methylphen	9.23	107	969730	117.80 ng	85
34) C470 2-Methylnaphthalene	9.37	142	1714560	108.58 ng	92
36) C510 Hexachlorocyclopentad	9.60	237	600845	121.07 ng	97
37) C515 2,4,6-Trichlorophenol	9.82	196	567097	112.67 ng	99
38) C520 2,4,5-Trichlorophenol	9.91	196	594575	113.17 ng	97
40) C525 2-Chloronaphthalene	10.10	162	1637635	105.97 ng	98
41) C530 2-Nitroaniline	10.28	65	730087	114.89 ng	91
42) C540 Acenaphthylene	10.72	152	2609297	114.75 ng	99
43) C535 Dimethylphthalate	10.58	163	2090459	112.60 ng	99
44) C542 2,6-Dinitrotoluene	10.66	165	456307	113.69 ng	# 79
45) C550 Acenaphthene	10.98	153	1581888	110.02 ng	97
46) C545 3-Nitroaniline	10.91	138	473698	115.59 ng	89
47) C555 2,4-Dinitrophenol	11.06	184	148590	127.56 ng	88
48) C565 Dibenzofuran	11.24	168	2436316	107.30 ng	90
49) C570 2,4-Dinitrotoluene	11.25	165	620683	112.94 ng	# 1
50) C560 4-Nitrophenol	11.29	109	399609	113.16 ng	# 1
51) C590 Fluorene	11.74	166	2008673	108.09 ng	100
52) C585 4-Chlorophenyl-phenyl	11.76	204	965280	105.38 ng	95
53) C580 Diethylphthalate	11.63	149	1974388	108.34 ng	99
54) C620 1,2 diphenylhydrazine	11.97	77	2655620	109.90 ng	93
55) C595 4-Nitroaniline	11.80	138	455623	116.80 ng	# 71
57) C610 4,6-Dinitro-2-methylp	11.83	198	310502	117.00 ng	100
58) C615 n-Nitrosodiphenylamin	11.93	169	1532971	110.05 ng	98
60) C625 4-Bromophenyl-phenyle	12.39	248	550299	108.01 ng	96
61) C630 Hexachlorobenzene	12.44	284	548312	108.77 ng	95
62) C635 Pentachlorophenol	12.71	266	244814	120.92 ng	99
63) C640 Phenanthrene	12.94	178	3011900	106.54 ng	99
64) C645 Anthracene	13.00	178	3057470	108.64 ng	99
65) C647 carbazole	13.20	167	2821673	109.53 ng	97
66) C650 Di-n-butylphthalate	13.59	149	3457326	110.04 ng	98
67) C655 Fluoranthene	14.20	202	3679440	107.82 ng	95
69) C715 Pyrene	14.42	202	3764132	113.04 ng	93
70) C710 benzidine	14.35	184	1268147	141.23 ng	99
72) C720 Butylbenzylphthalate	15.03	149	1649614	114.79 ng	85
73) C725 3,3'-Dichlorobenzidin	15.50	252	1261190	127.26 ng	98
74) C730 Benzo[a]anthracene	15.52	226	3443320	108.17 ng	99
75) C735 Chrysene	15.56	228	3374680	107.03 ng	98
76) C740 bis(2-Ethylhexyl)phth	15.53	149	2253753	109.20 ng	99
77) C760 Di-n-octylphthalate	16.08	149	4215905	116.41 ng	99
79) C765 Benzo[b]fluoranthene	16.50	252	3767327	104.51 ng	96
80) C770 Benzo[k]fluoranthene	16.53	252	3629391	99.46 ng	97
81) C775 Benzo[a]pyrene	16.83	252	3486172	104.82 ng	96
82) C780 Indeno[1,2,3-cd]pyren	18.09	276	3591600	106.91 ng	86
83) C785 Dibenz[a,h]anthracene	18.11	278	3033876	103.19 ng	95
84) C790 Benzo[g,h,i]perylene	18.45	276	2998548	106.43 ng	90

(#) = qualifier out of range (m) = manual integration
 U11040.D 8270E.M Wed Mar 15 11:22:11 2006

Quantitation Report (QT Reviewed)

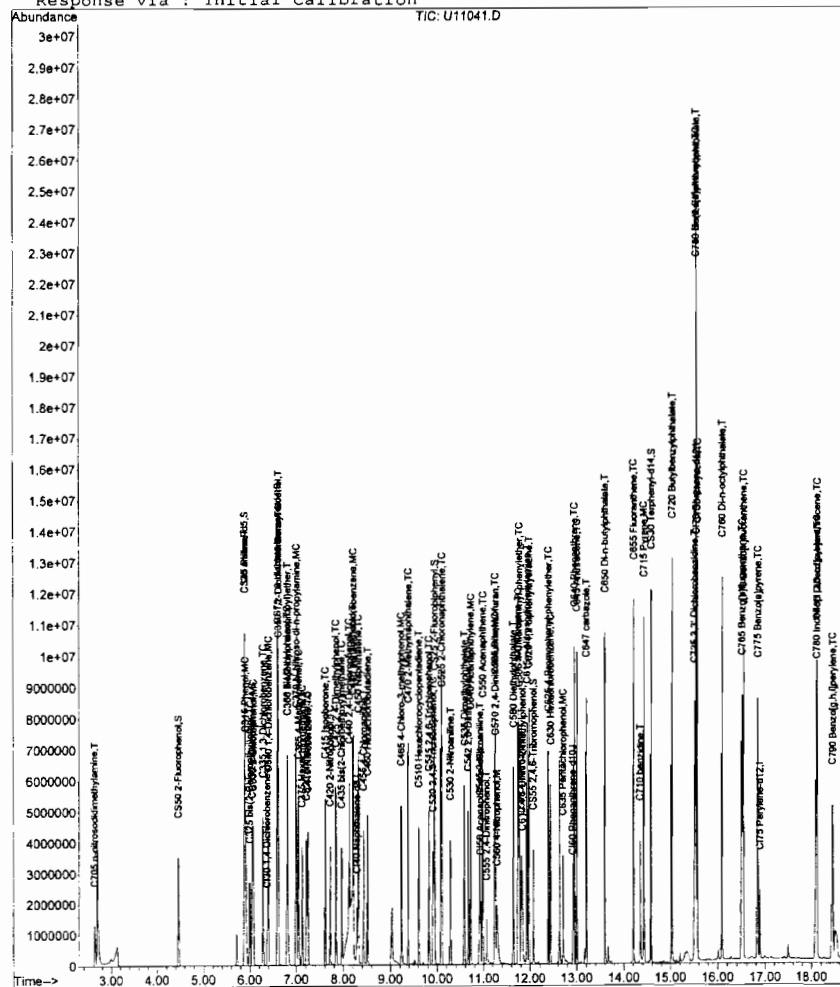
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Data File : C:\MSDCHEM\1\DATA\031506\U11041.D
Acq On : 15 Mar 2006 11:26
Sample : SSTD160
Misc : 8270(02/22/06)
MS Integration Params: rteint.p
Quant Time: Mar 15 12:14 2006

Vial: 6
Operator: MD
Inst : HP5973U
Multiplr: 1.00

Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Wed Mar 15 12:08:54 2006
Response via : Initial Calibration



U11041.D 8270E.M

Wed Mar 15 12:15:12 2006

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Quantitation Report

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Data File : C:\MSDCHEM\1\DATA\031506\U11041.D
Acq On : 15 Mar 2006 11:26
Sample : SSTD160
Misc : 8270(02/22/06)
MS Integration Params: rteint.p
Quant Time: Mar 15 12:07:08 2006

Vial: 6
Operator: MD
Inst : HP5973U
Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Wed Mar 15 11:25:03 2006
Response via : Initial Calibration
DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031506\U11038.D (15 Mar 2006 10:14)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) C130 1,4-Dichlorobenzene-d	6.37	152	203297	40.00	ng	0.00	
20) C140 Naphthalene-d8	8.29	136	793756	40.00	ng	106.01%	
35) C150 Acenaphthene-d8	10.93	164	493106	40.00	ng	104.79%	
56) C160 Phenanthrene-d10	12.91	188	815244	40.00	ng	103.46%	
68) C170 Chrysene-d12	15.54	240	910944	40.00	ng	102.85%	
78) C175 Perylene-d12	16.88	264	956732	40.00	ng	100.16%	
						104.29%	

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.46	112	1298515	154.50	ng	0.00	
Spiked Amount	150.000						
Range	21 - 110		Recovery	=	103.00%		
5) CS45 Phenol-d5	5.88	99	1612888	145.88	ng	0.00	
Spiked Amount	150.000						
Range	10 - 110		Recovery	=	97.25%		
6) CS70 2-chlorophenol-d4	6.05	132	1221573	150.41	ng	0.00	
Spiked Amount	150.000						
Range	33 - 110		Recovery	=	100.27%		
12) CS75 1,2-dichlorobenzene-d	6.60	152	681254	136.29	ng	0.00	
Spiked Amount	100.000						
Range	16 - 110		Recovery	=	136.29%#		
21) CS20 Nitrobenzene-d5	7.22	82	1763963	159.18	ng	0.00	
Spiked Amount	100.000						
Range	34 - 114		Recovery	=	159.18%#		
39) CS25 2-Fluorobiphenyl	9.94	172	2678649	150.12	ng	0.00	
Spiked Amount	100.000						
Range	43 - 116		Recovery	=	150.12%#		
59) CS55 2,4,6-Tribromophenol	12.07	330	320940	156.27	ng	0.00	
Spiked Amount	150.000						
Range	10 - 123		Recovery	=	104.18%		
71) CS30 Terphenyl-d14	14.58	244	3376317	155.69	ng	0.00	
Spiked Amount	100.000						
Range	33 - 141		Recovery	=	155.69%#		

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) C705 n-nitrosodimethylam	2.63	74	804431	155.34	ng	97
4) C325 bis(2-Chloroethyl)eth	6.00	93	1273457	155.14	ng	92
7) C315 Phenol	5.90	94	1856004	159.91	ng	85
8) C330 2-Chlorophenol	6.07	128	1132951	147.84	ng	96
9) C320 aniline	5.89	93	3298817	142.45	ng	# 25
10) C335 1,3-Dichlorobenzene	6.28	146	1252302	146.54	ng	99
11) C340 1,4-Dichlorobenzene	6.40	146	1265077	145.68	ng	98
13) C350 1,2-Dichlorobenzene	6.62	146	1116420	140.14	ng	99
14) C345 Benzyl alcohol	6.61	108	1439080	148.07	ng	# 71
15) C360 bis(2-chloroisopropyl)	6.81	45	1616865	150.33	ng	# 1
16) C355 2-Methylphenol	6.82	108	1142909	149.48	ng	95
17) C375 Hexachloroethane	7.13	117	526141	150.23	ng	91
18) C370 N-Nitroso-di-n-propyl	7.01	70	1090514	154.20	ng	88
19) C365 4-Methylphenol	7.05	108	1247932	154.15	ng	94
22) C410 Nitrobenzene	7.25	77	1741218	154.99	ng	90
23) C415 Isophorone	7.62	82	2890925	160.69	ng	95
24) C430 benzoic acid	8.21	122	2784606m	444.47	ng	19
25) C420 2-Nitrophenol	7.72	139	615850	159.28	ng	80
26) C425 2,4-Dimethylphenol	7.84	107	1444120	155.01	ng	84

(#) = qualifier out of range (m) = manual integration
U11041.D 8270E.M

Wed Mar 15 12:15:11 2006

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Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031506\U11041.D

Acq On : 15 Mar 2006 11:26

Sample : SST0160

Misc : 8270(02/22/06)

MS Integration Params: rteint.p

Quant Time: Mar 15 12:07:08 2006

Vial: 6

Operator: MD

Inst : HP5973U

Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 11:25:03 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.97	93	1453732	156.06 ng	98
28) C440 2,4-Dichlorophenol	8.12	162	969471	151.14 ng	97
29) C445 1,2,4-Trichlorobenzen	8.21	180	970888	141.66 ng	98
30) C450 Naphthalene	8.32	128	3249351	149.06 ng	97
31) C455 4-Chloroaniline	8.43	127	1300059	153.19 ng	99
32) C460 Hexachlorobutadiene	8.52	225	628669	148.96 ng	99
33) C465 4-Chloro-3-methylphen	9.23	107	1256448	161.98 ng	86
34) C470 2-Methylnaphthalene	9.37	142	2203781	151.31 ng	94
36) C510 Hexachlorocyclopentad	9.60	237	779127	165.99 ng	99
37) C515 2,4,6-Trichlorophenol	9.82	196	725294	154.87 ng	98
38) C520 2,4,5-Trichlorophenol	9.91	196	795465	162.98 ng	99
40) C525 2-Chloronaphthalene	10.10	162	2116508	149.16 ng	99
41) C530 2-Nitroaniline	10.28	65	964597	163.78 ng	87
42) C540 Acenaphthylene	10.72	152	3384825	158.37 ng	98
43) C535 Dimethylphthalate	10.58	163	2699739	156.20 ng	99
44) C542 2,6-Dinitrotoluene	10.66	165	598277	160.97 ng	84
45) C550 Acenaphthene	10.98	153	2046898	152.46 ng	98
46) C545 3-Nitroaniline	10.91	138	622254	163.51 ng	90
47) C555 2,4-Dinitrophenol	11.07	184	219795	217.06 ng	96
48) C565 Dibenzofuran	11.24	168	3120791	149.38 ng	90
49) C570 2,4-Dinitrotoluene	11.25	165	804136	159.35 ng	# 1
50) C560 4-Nitrophenol	11.29	109	517815	163.39 ng	# 1
51) C590 Fluorene	11.74	166	2574023	150.40 ng	99
52) C585 4-Chlorophenyl-phenyl	11.76	204	1232163	147.01 ng	95
53) C580 Diethylphthalate	11.64	149	2552401	152.01 ng	98
54) C620 1,2-diphenylhydrazine	11.97	77	3439530	154.37 ng	93
55) C595 4-Nitroaniline	11.81	138	594818	160.12 ng	# 73
57) C610 4,6-Dinitro-2-methylp	11.84	198	428725	181.97 ng	100
58) C615 n-Nitrosodiphenylamin	11.93	169	1952476	151.35 ng	96
60) C625 4-Bromophenyl-phenyle	12.40	248	705316	149.73 ng	98
61) C630 Hexachlorobenzene	12.44	284	683363	145.94 ng	87
62) C635 Pentachlorophenol	12.71	266	331544	181.53 ng	98
63) C640 Phenanthrene	12.94	178	3849642	147.31 ng	99
64) C645 Anthracene	13.00	178	3904666	149.47 ng	99
65) C647 carbazole	13.20	167	3618202	150.76 ng	97
66) C650 Di-n-butylphthalate	13.59	149	4485561	154.07 ng	98
67) C655 Fluoranthene	14.20	202	4732657	150.08 ng	97
69) C715 Pyrene	14.42	202	4816716	155.35 ng	95
70) C710 benzidine	14.35	184	1475345	170.49 ng	100
72) C720 Butylbenzylphthalate	15.03	149	2115973	158.22 ng	85
73) C725 3,3'-Dichlorobenzidin	15.50	252	1573502	170.13 ng	98
74) C730 Benzo[a]anthracene	15.53	228	4409397	152.28 ng	99
75) C735 Chrysene	15.56	228	4369373	150.81 ng	99
76) C740 bis(2-Ethylhexyl)phth	15.53	149	2893007	153.89 ng	99
77) C760 Di-n-octylphthalate	16.08	149	5426798	161.12 ng	100
79) C765 Benzo[b]fluoranthene	16.50	252	5083355	156.73 ng	97
80) C770 Benzo[k]fluoranthene	16.53	252	4351833	131.96 ng	97
81) C775 Benzo[a]pyrene	16.83	252	4440740	147.43 ng	94
82) C780 Indeno[1,2,3-cd]pyren	18.10	276	4649956	153.35 ng	88
83) C785 Dibenz[a,h]anthracene	18.11	278	4001735	152.08 ng	95
84) C790 Benzo[g,h,i]perylene	18.45	276	3866476	151.26 ng	91

(#) = qualifier out of range (m) = manual integration
 U11041.D 8270E.M Wed Mar 15 12:15:11 2006

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Quantitation Report (Qedit)

105/419

Data File : C:\MSDCHEM\1\DATA\031506\U11041.D

Acq On : 15 Mar 2006 11:26

Sample : SST0160

Misc : 8270(02/22/06)

MS Integration Params: rteint.p

Quant Time: Mar 15 12:07 2006

Vial: 6

Operator: MD

Inst : HP5973U

Multiplr: 1.00

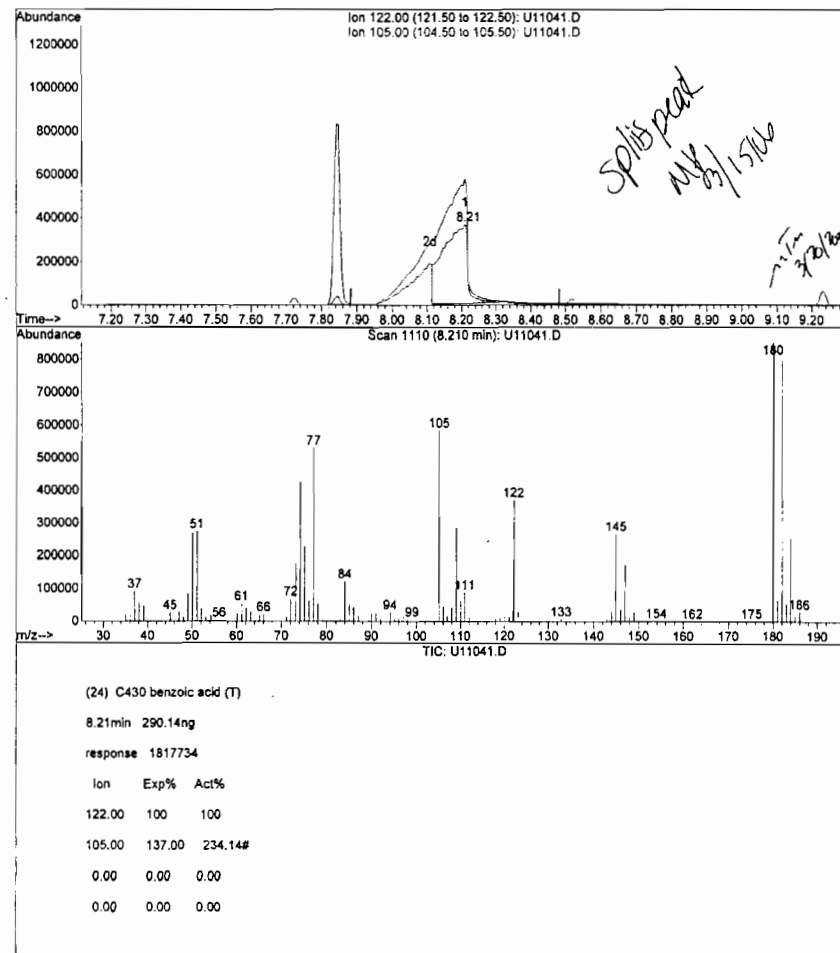
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 12:08:54 2006

Response via : Multiple Level Calibration



U11041.D 8270E.M

Wed Mar 15 12:14:56 2006

Quantitation Report (Qedit)

106/419

Data File : C:\MSDCHEM\1\DATA\031506\U11041.D

Vial: 6

Acq On : 15 Mar 2006 11:26

Operator: MD

Sample : SST0160

Inst : HP5973U

Misc : 8270(02/22/06)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 15 12:14 2006

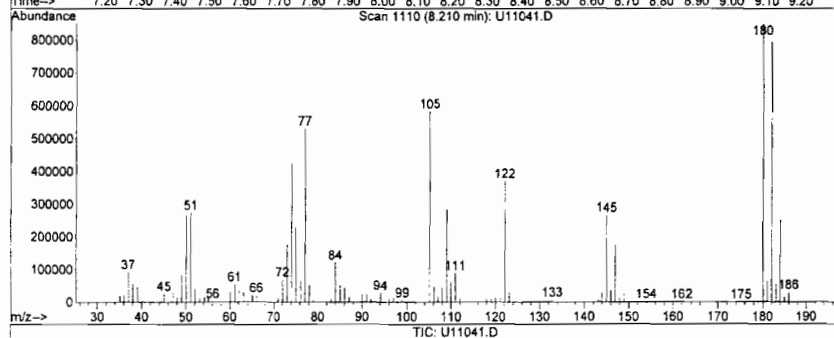
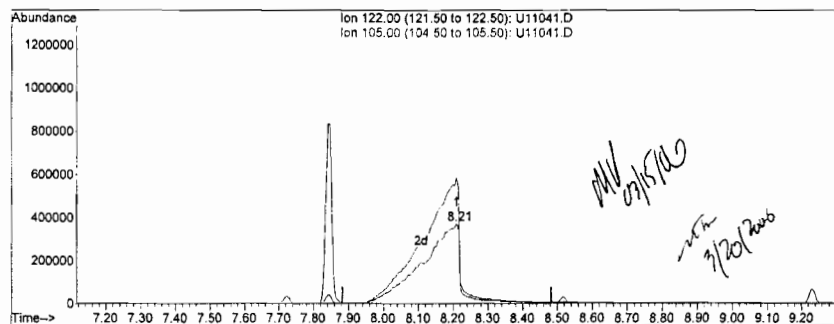
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 12:08:54 2006

Response via : Multiple Level Calibration



(24) C430 benzoic acid (T)

8.21min 444.47ng ml

response 2784606

Ion Exp% Act%

122.00 100 100

105.00 137.00 152.84

0.00 0.00 0.00

0.00 0.00 0.00

U11041.D 8270E.M

Wed Mar 15 12:15:02 2006

Quantitation Report (Not Reviewed)

107/419

Data File : C:\MSDCHEM\1\DATA\031506\U11042.D

Vial: 7

Acq On : 15 Mar 2006 11:50

Operator: MD

Sample : CHECK050

Inst : HP5973U

Misc : 2NDSC(11/08/05)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 15 12:18 2006

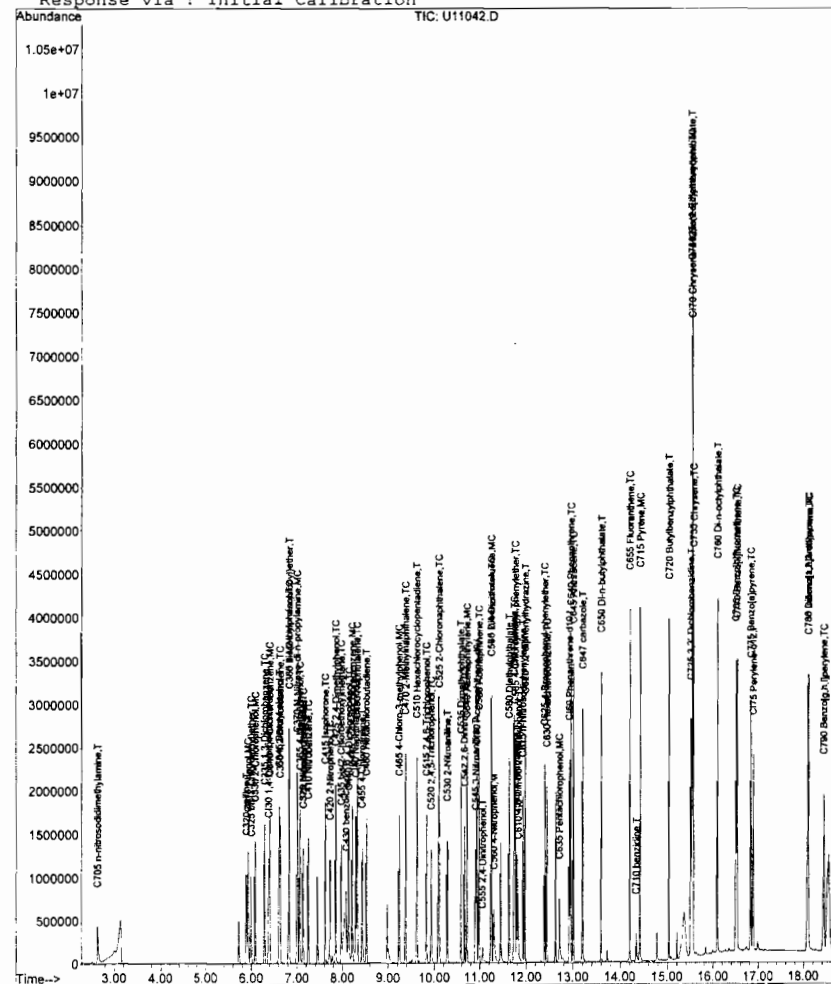
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 12:17:39 2006

Response via : Initial Calibration



U11042.D 8270E.M

Wed Mar 15 12:18:09 2006

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Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031506\U11042.D

Vial: 7

Acq On : 15 Mar 2006 11:50

Operator: MD

Sample : CHECK050

Inst : HP59730

Misc : 2NDS(11/08/05)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 15 12:18:07 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 12:17:39 2006

Response via : Initial Calibration

DataAcq Meth: 8270E

IS QA File : C:\MSDCHEM\1\DATA\031506\U11038.D (15 Mar 2006 10:14)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.37	152	207277	40.00	ng	0.00
20) CI40 Naphthalene-d8	8.28	136	807997	40.00	ng	108.08%
35) CI50 Acenaphthene-d8	10.92	164	513080	40.00	ng	106.67%
56) CI60 Phenanthrene-d10	12.91	188	827395	40.00	ng	107.65%
68) CI70 Chrysene-d12	15.53	240	887533	40.00	ng	104.38%
78) CI75 Perylene-d12	16.87	264	927879	40.00	ng	97.58%
						101.14%

System Monitoring Compounds

3) CS50 2-Fluorophenol	0.00	112	0	0.00	ng	
Spiked Amount	150.000	Range	21 - 110	Recovery	=	0.00%#
5) CS45 Phenol-d5	0.00	99	0	0.00	ng	
Spiked Amount	150.000	Range	10 - 110	Recovery	=	0.00%#
6) CS70 2-chlorophenol-d4	6.07	132	187	0.02	ng	0.02
Spiked Amount	150.000	Range	33 - 110	Recovery	=	0.01%#
12) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng	
Spiked Amount	100.000	Range	16 - 110	Recovery	=	0.00%#
21) CS20 Nitrobenzene-d5	7.13	82	51102	4.55	ng	-0.09
Spiked Amount	100.000	Range	34 - 114	Recovery	=	4.55%#
39) CS25 2-Fluorobiphenyl	9.93	172	255	0.01	ng	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	0.01%#
59) CS55 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
Spiked Amount	150.000	Range	10 - 123	Recovery	=	0.00%#
71) CS30 Terphenyl-d14	14.57	244	627	0.03	ng	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	0.03%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) C705 n-nitrosodidimethylam	2.64	74	270046	49.71	ng	99
4) C325 bis(2-Chloroethyl)eth	5.99	93	432307	50.55	ng	91
7) C315 Phenol	5.92	94	563522	47.25	ng	94
8) C330 2-Chlorophenol	6.07	128	384365	49.46	ng	97
9) C320 aniline	5.88	93	525343	22.37	ng	83
10) C335 1,3-Dichlorobenzene	6.28	146	436456	50.35	ng	99
11) C340 1,4-Dichlorobenzene	6.39	146	451435	51.46	ng	100
13) C350 1,2-Dichlorobenzene	6.62	146	407397	51.28	ng	98
14) C345 Benzyl alcohol	6.60	108	296568	30.39	ng	# 79
15) C360 bis(2-chloroisopropyl	6.81	45	520375	47.47	ng	# 1
16) C355 2-Methylphenol	6.82	108	374493	47.99	ng	95
17) C375 Hexachloroethane	7.13	117	182005	51.49	ng	97
18) C370 N-Nitroso-di-n-propyl	7.00	70	356282	49.14	ng	88
19) C365 4-Methylphenol	7.05	108	420011	50.53	ng	94
22) C410 Nitrobenzene	7.24	77	557827	49.16	ng	90
23) C415 Isophorone	7.61	82	886245	47.96	ng	94
24) C430 benzoic acid	8.07	122	533886	162.59	ng	84
25) C420 2-Nitrophenol	7.72	139	190666	48.76	ng	80
26) C425 2,4-Dimethylphenol	7.84	107	478681	50.77	ng	87

(#) = qualifier out of range (m) = manual integration
U11042.D 8270E.M Wed Mar 15 12:18:08 2006

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Quantitation Report

109/419

Data File : C:\MSDCHEM\1\DATA\031506\U11042.D

Vial: 7

Acq On : 15 Mar 2006 11:50

Operator: MD

Sample : CHECK050

Inst : HP59730

Misc : 2NDS(11/08/05)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 15 12:18:07 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 12:17:39 2006

Response via : Initial Calibration

DataAcq Meth: 8270E

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.96	93	494921	51.72	ng	98
28) C440 2,4-Dichlorophenol	8.13	162	331777	51.56	ng	98
29) C445 1,2,4-Trichlorobenzen	8.20	180	344632	50.87	ng	98
30) C450 Naphthalene	8.32	128	114728	50.89	ng	97
31) C455 4-Chloroaniline	8.42	127	398631	46.47	ng	98
32) C460 Hexachlorobutadiene	8.51	225	205250	49.10	ng	97
33) C465 4-Chloro-3-methylphen	9.23	107	401028	50.58	ng	89
34) C470 2-Methylnaphthalene	9.37	142	717852	49.18	ng	94
36) C510 Hexachlorocyclopentad	9.60	237	220176	45.29	ng	99
37) C515 2,4,6-Trichlorophenol	9.82	196	232442	48.76	ng	97
38) C520 2,4,5-Trichlorophenol	9.92	196	254620	50.69	ng	97
40) C525 2-Chloronaphthalene	10.10	162	711928	49.67	ng	98
41) C530 2-Nitroaniline	10.27	65	310045	51.42	ng	88
42) C540 Acenaphthylene	10.71	152	1108184	49.38	ng	98
43) C535 Dimethylphthalate	10.57	163	897959	50.66	ng	99
44) C542 2,6-Dinitrotoluene	10.65	165	193631	51.24	ng	88
45) C550 Acenaphthene	10.97	153	690099	50.07	ng	97
46) C545 3-Nitroaniline	10.90	138	190934	48.92	ng	89
47) C555 2,4-Dinitrophenol	11.06	184	32707	63.86	ng	93
48) C565 Dibenzofuran	11.23	168	1017514	48.05	ng	87
49) C570 2,4-Dinitrotoluene	11.24	165	250938	49.26	ng	# 1
50) C560 4-Nitrophenol	11.30	109	153949	49.53	ng	# 1
51) C590 Fluorene	11.73	166	858990	49.61	ng	98
52) C585 4-Chlorophenyl-phenyl	11.75	204	423904	50.32	ng	94
53) C580 Diethylphthalate	11.63	149	851880	49.97	ng	98
54) C620 1,2 diphenylhydrazine	11.97	77	1062990	47.00	ng	95
55) C595 4-Nitroaniline	11.79	138	187971	48.67	ng	# 71
57) C610 4,6-Dinitro-2-methylp	11.82	198	124039	65.10	ng	100
58) C615 n-Nitrosodiphenylamin	11.92	169	478293	37.36	ng	95
60) C625 4-Bromophenyl-phenyle	12.39	248	240842	51.48	ng	99
61) C630 Hexachlorobenzene	12.44	284	228967	49.24	ng	97
62) C635 Pentachlorophenol	12.71	266	81752	46.92	ng	95
63) C640 Phenanthrene	12.94	178	1299902	50.06	ng	99
64) C645 Anthracene	13.00	178	1271276	48.86	ng	99
65) C647 carbazole	13.19	167	1177021	48.82	ng	96
66) C650 Di-n-butylphthalate	13.59	149	1402735	48.42	ng	98
67) C655 Fluoranthene	14.20	202	1536642	49.02	ng	95
69) C715 Pyrene	14.42	202	1597042	52.99	ng	95
70) C710 benzidine	14.34	184	132550	16.00	ng	99
72) C720 Butylbenzylphthalate	15.03	149	705269	54.16	ng	92
73) C725 3,3'-Dichlorobenzidin	15.50	252	506283	54.00	ng	95
74) C730 Benzo[a]anthracene	15.52	228	1390655	50.18	ng	98
75) C735 Chrysene	15.56	228	1446620	51.99	ng	98
76) C740 bis(2-Ethylhexyl)phth	15.52	149	930779	52.20	ng	99
77) C760 Di-n-octylphthalate	16.08	149	1769166	53.62	ng	100
79) C765 Benzo[k]fluoranthene	16.50	252	1612278	52.15	ng	97
80) C770 Benzo[k]fluoranthene	16.52	252	1476103	49.11	ng	97
81) C775 Benzo[a]pyrene	16.82	252	1434119	50.63	ng	95
82) C780 Indeno[1,2,3-cd]pyren	18.08	276	1499037	52.79	ng	85
83) C785 Dibenz[a,h]anthracene	18.09	278	1239782	50.75	ng	96
84) C790 Benzo[g,h,i]perylene	18.43	276	1210959	50.15	ng	92

(#) = qualifier out of range (m) = manual integration
U11042.D 8270E.M Wed Mar 15 12:18:08 2006

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SEMIVOLATILE 3RD ED: 50NG CONT
CONTINUING CALIBRATION CHECK

110/419

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6C0003837-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File Id: U11049.RR Calibration Date: 03/15/2006 Time: 14:28

Intrument ID: HP5973U Init. Calib. Date(s): 03/15/2006 03/15/2006

Init. Calib. Times: 09:50 11:26

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Nitrobenzene	0.5620	0.5466	0.0500	2.700	25.00
Nitrobenzene-D5	0.5560	0.5378	0.0500	3.300	25.00
2-Fluorobiphenyl	1.4150	1.3926	0.0500	1.600	25.00
p-Terphenyl-d14	0.9480	0.9414	0.0500	0.700	25.00
Phenol-D5	2.1600	2.1960	0.0500	-1.700	25.00
2-Fluorophenol	1.6850	1.6576	0.0500	1.600	25.00
2,4,6-Tribromophenol	0.0990	0.0964	0.0500	2.600	25.00

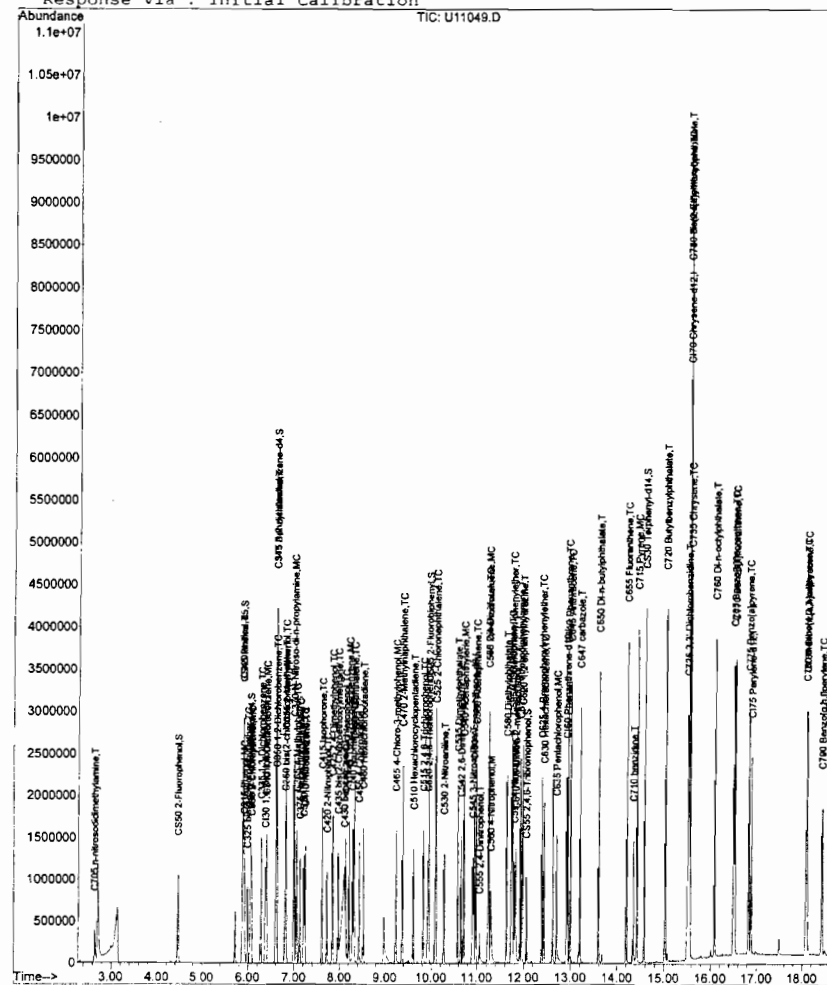
FORM VII SV-1

Quantitation Report (Not Reviewed)

111/419

Data File : C:\MSDCHEM\1\DATA\031506\U11049.D Vial: 2
Acq On : 15 Mar 2006 14:28 Operator: MD
Sample : SST0050 Inst : HP5973U
Misc : 8270A(0/22/06) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 15 14:47 2006 Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Wed Mar 15 12:17:39 2006
Response via : Initial Calibration



U11049.D 8270E.M

Wed Mar 15 14:47:41 2006

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Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031506\U11049.D
 Acq On : 15 Mar 2006 14:28
 Sample : SSTD050
 Misc : 8270A(0/22/06)
 MS Integration Params: rteint.p
 Quant Time: Mar 15 14:47:39 2006

Vial: 2
 Operator: MD
 Inst: HP59730
 Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 12:17:39 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031506\U11038.D (15 Mar 2006 10:14)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.37	152	191858	40.00 ng	0.00
20) CI40 Naphthalene-d8	8.28	136	769490	40.00 ng	100.04%
35) CI50 Acenaphthene-d8	10.92	164	491011	40.00 ng	101.59%
56) CI60 Phenanthrene-d10	12.91	188	799763	40.00 ng	103.02%
68) CI70 Chrysene-d12	15.53	240	910192	40.00 ng	100.90%
78) CI75 Perylene-d12	16.87	264	947306	40.00 ng	100.08%
					103.26%
System Monitoring Compounds					
3) CS50 2-Fluorophenol	4.46	112	397524	49.19 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	32.79%	
5) CS45 Phenol-d5	5.89	99	526649	50.83 ng	0.01
Spiked Amount 150.000	Range 10 - 110		Recovery =	33.89%	
6) CS70 2-chlorophenol-d4	6.05	132	376282	48.97 ng	0.00
Spiked Amount 150.000	Range 33 - 110		Recovery =	32.65%#	
12) CS75 1,2-dichlorobenzene-d	6.60	152	226047	49.32 ng	0.00
Spiked Amount 100.000	Range 16 - 110		Recovery =	49.32%	
21) CS20 Nitrobenzene-d5	7.21	82	517257	48.39 ng	-0.01
Spiked Amount 100.000	Range 34 - 114		Recovery =	48.39%	
39) CS25 2-Fluorobiphenyl	9.94	172	854752	49.20 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	49.20%	
59) CS55 2,4,6-Tribromophenol	12.06	330	96337	48.64 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	32.43%	
71) CS30 Terphenyl-d14	14.57	244	1071104	49.65 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	49.65%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodidimethylam	2.64	74	250380	49.79 ng	99
4) C325 bis(2-Chloroethyl)eth	5.99	93	391736	49.49 ng	94
7) C315 Phenol	5.91	94	522920	47.37 ng	98
8) C330 2-Chlorophenol	6.07	128	353518	49.15 ng	98
9) C320 aniline	5.88	93	1086941	50.01 ng	73
10) C335 1,3-Dichlorobenzene	6.28	146	400413	49.91 ng	98
11) C340 1,4-Dichlorobenzene	6.40	146	397762	48.98 ng	95
13) C350 1,2-Dichlorobenzene	6.62	146	379588	51.62 ng	100
14) C345 Benzyl alcohol	6.60	108	460799	51.01 ng	# 76
15) C360 bis(2-chloroisopropyl	6.80	45	507281	50.00 ng	60
16) C355 2-Methylphenol	6.82	108	358983	49.70 ng	95
17) C375 Hexachloroethane	7.13	117	163500	49.97 ng	96
18) C370 N-Nitroso-di-n-propyl	7.00	70	339750	50.63 ng	86
19) C365 4-Methylphenol	7.05	108	389671	50.65 ng	99
22) C410 Nitrobenzene	7.24	77	525734	48.65 ng	91
23) C415 Isophorone	7.61	82	877847	49.88 ng	94
24) C430 benzoic acid	8.10	122	787680	174.90 ng	83
25) C420 2-Nitrophenol	7.72	139	180912	48.59 ng	84
26) C425 2,4-Dimethylphenol	7.84	107	438761	48.86 ng	85

(#) = qualifier out of range (m) = manual integration
 U11049.D 8270E.M Wed Mar 15 14:47:40 2006

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Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031506\U11049.D
 Acq On : 15 Mar 2006 14:28
 Sample : SSTD050
 Misc : 8270A(0/22/06)
 MS Integration Params: rteint.p
 Quant Time: Mar 15 14:47:39 2006

Vial: 2
 Operator: MD
 Inst: HP59730
 Multiplr: 1.00

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 12:17:39 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.96	93	452815	49.69 ng	98
28) C440 2,4-Dichlorophenol	8.12	162	313227	51.11 ng	97
29) C445 1,2,4-Trichlorobenzen	8.20	180	316892	49.12 ng	98
30) C450 Naphthalene	8.32	128	1023119	49.05 ng	96
31) C455 4-Chloroaniline	8.42	127	403745	49.42 ng	98
32) C460 Hexachlorobutadiene	8.51	225	192697	48.41 ng	99
33) C465 4-Chloro-3-methylphen	9.23	107	375111	49.68 ng	91
34) C470 2-Methylnaphthalene	9.37	142	696957	50.14 ng	88
36) C510 Hexachlorocyclopentad	9.60	237	220535	47.40 ng	96
37) C515 2,4,6-Trichlorophenol	9.82	196	222965	48.88 ng	96
38) C520 2,4,5-Trichlorophenol	9.92	196	229826	47.81 ng	95
40) C525 2-Chloronaphthalene	10.10	162	674646	49.18 ng	99
41) C530 2-Nitroaniline	10.27	65	279288	48.40 ng	90
42) C540 Acenaphthylene	10.71	152	1048076	48.80 ng	97
43) C535 Dimethylphthalate	10.57	163	829355	48.90 ng	99
44) C542 2,6-Dinitrotoluene	10.65	165	174813	48.34 ng	87
45) C550 Acenaphthene	10.97	153	636091	48.22 ng	95
46) C545 3-Nitroaniline	10.90	138	184083	49.28 ng	# 84
47) C555 2,4-Dinitrophenol	11.05	184	56441	77.02 ng	84
48) C565 Dibenzofuran	11.23	168	974680	48.10 ng	88
49) C570 2,4-Dinitrotoluene	11.24	165	239056	49.04 ng	# 1
50) C560 4-Nitrophenol	11.29	109	230721	77.56 ng	# 1
51) C590 Fluorene	11.73	166	824554	49.76 ng	100
52) C585 4-Chlorophenyl-phenyl	11.75	204	403211	50.01 ng	93
53) C580 Diethylphthalate	11.63	149	795293	48.74 ng	97
54) C620 1,2 diphenylhydrazine	11.97	77	1051817	48.59 ng	96
55) C595 4-Nitroaniline	11.79	138	188246	50.93 ng	# 79
57) C610 4,6-Dinitro-2-methylp	11.82	198	166771	80.14 ng	100
58) C615 n-Nitrosodiphenylamin	11.92	169	618600	49.98 ng	98
60) C625 4-Bromophenyl-phenyle	12.39	248	220888	48.85 ng	95
61) C630 Hexachlorobenzene	12.44	284	221581	49.30 ng	92
62) C635 Pentachlorophenol	12.70	266	154984	92.03 ng	98
63) C640 Phenanthrene	12.94	178	1227941	48.92 ng	98
64) C645 Anthracene	13.00	178	1253873	49.85 ng	99
65) C647 carbazole	13.19	167	1187377	50.95 ng	97
66) C650 Di-n-butylphthalate	13.59	149	1351659	48.27 ng	97
67) C655 Fluoranthene	14.20	202	1499511	49.49 ng	95
69) C715 Pyrene	14.42	202	1556307	50.35 ng	94
70) C710 benzidine	14.34	184	531711	57.01 ng	99
72) C720 Butylbenzylphthalate	15.03	149	678942	50.84 ng	95
73) C725 3,3'-Dichlorobenzidin	15.50	252	537636	55.83 ng	95
74) C730 Benzo[a]anthracene	15.52	228	1455976	51.23 ng	99
75) C735 Chrysene	15.56	228	1452930	50.92 ng	98
76) C740 bis(2-Ethylhexyl)phth	15.52	149	917492	50.17 ng	98
77) C760 Di-n-octylphthalate	16.08	149	1687296	49.87 ng	100
79) C765 Benzo[b]fluoranthene	16.49	252	1569807	49.73 ng	97
80) C770 Benzo[k]fluoranthene	16.52	252	1491604	48.61 ng	94
81) C775 Benzo[a]pyrene	16.82	252	1426500	49.33 ng	95
82) C780 Indeno[1,2,3-cd]pyren	18.08	276	1404851	48.46 ng	85
83) C785 Dibenz[a,h]anthracene	18.09	278	1194837	47.90 ng	94
84) C790 Benzo[g,h,i]perylene	18.43	276	1182226	47.96 ng	92

(#) = qualifier out of range (m) = manual integration
 U11049.D 8270E.M Wed Mar 15 14:47:40 2006

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SEMIVOLATILE 3RD ED: 50NG CONT
CONTINUING CALIBRATION CHECK

114/419

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A6C0003851-1
Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File Id: U11081.RR Calibration Date: 03/16/2006 Time: 13:29
Instrument ID: HP5973U Init. Calib. Date(s): 03/15/2006 03/15/2006
Init. Calib. Times: 09:50 11:26

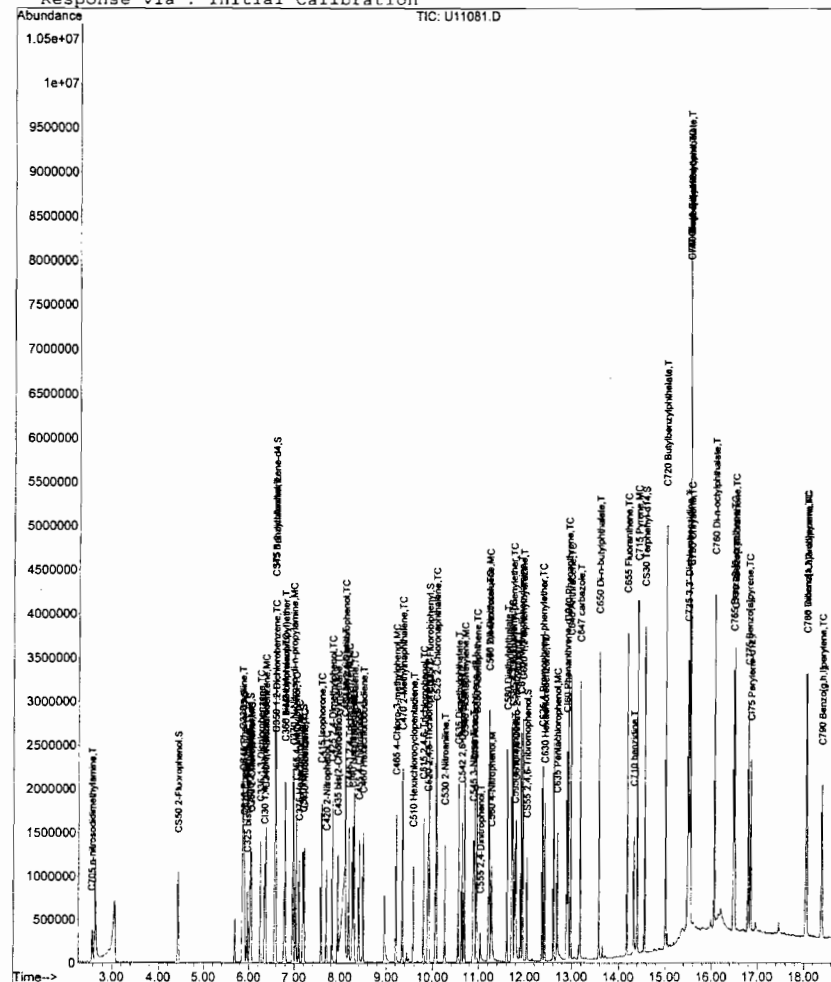
COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Nitrobenzene	0.5620	0.5517	0.0500	1.800	25.00
Nitrobenzene-D5	0.5560	0.5499	0.0500	1.100	25.00
2-Fluorobiphenyl	1.4150	1.3858	0.0500	2.100	25.00
p-Terphenyl-d14	0.9480	1.0348	0.0500	-9.200	25.00
Phenol-D5	2.1600	2.1978	0.0500	-1.800	25.00
2-Fluorophenol	1.6850	1.6178	0.0500	4.000	25.00
2,4,6-Tribromophenol	0.0990	0.0977	0.0500	1.300	25.00

FORM VII SV-1

Quantitation Report (Not Reviewed)

115/419

Data File : C:\MSDCHEM\1\DATA\031606\U11081.D Vial: 2
Acq On : 16 Mar 2006 13:29 Operator: MD
Sample : SST050 Inst : HP5973U
Misc : 8270A(02/22/06) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 16 13:50 2006 Quant Results File: 8270E.RES
Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Wed Mar 15 14:48:48 2006
Response via : Initial Calibration



U11081.D 8270E.M

Thu Mar 16 13:50:39 2006

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Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031606\U11081.D

Vial: 2

Acq On : 16 Mar 2006 13:29

Operator: MD

Sample : SSTD050

Inst : HP5973U

Misc : 8270A(02/22/06)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 16 13:50:37 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 14:48:48 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031506\U11049.D (15 Mar 2006 14:28)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.34	152	181705	40.00	ng	-0.03 94.71%
20) CI40 Naphthalene-d8	8.26	136	724869	40.00	ng	-0.02 94.20%
35) CI50 Acenaphthene-d8	10.90	164	480445	40.00	ng	-0.02 97.85%
56) CI60 Phenanthrene-d10	12.89	188	838500	40.00	ng	-0.02 104.84%
68) CI70 Chrysene-d12	15.51	240	840276	40.00	ng	-0.02 92.32%
78) CI75 Perylene-d12	16.85	264	828372	40.00	ng	-0.03 87.45%
System Monitoring Compounds						
3) CS50 2-Fluorophenol	4.43	112	367453	48.01	ng	-0.04
Spiked Amount 150.000	Range 21 - 110		Recovery =			32.01%
5) CS45 Phenol-d5	5.87	99	499190	50.87	ng	-0.02
Spiked Amount 150.000	Range 10 - 110		Recovery =			33.91%
6) CS70 2-chlorophenol-d4	6.02	132	359990	49.47	ng	-0.03
Spiked Amount 150.000	Range 33 - 110		Recovery =			32.98%#
12) CS75 1,2-dichlorobenzene-d	6.57	152	217306	50.06	ng	-0.03
Spiked Amount 100.000	Range 16 - 110		Recovery =			50.06%
21) CS20 Nitrobenzene-d5	7.18	82	498239	49.48	ng	-0.02
Spiked Amount 100.000	Range 34 - 114		Recovery =			49.48%
39) CS25 2-Fluorobiphenyl	9.91	172	832233	48.96	ng	-0.02
Spiked Amount 100.000	Range 43 - 116		Recovery =			48.96%
59) CS55 2,4,6-Tribromophenol	12.04	330	102451	49.33	ng	-0.02
Spiked Amount 150.000	Range 10 - 123		Recovery =			32.89%
71) CS30 Terphenyl-d14	14.56	244	1086921	54.58	ng	-0.02
Spiked Amount 100.000	Range 33 - 141		Recovery =			54.58%
Target Compounds						
2) C705 n-nitrosodidimethylam	2.58	74	212583	44.64	ng	91
4) C325 bis(2-Chloroethyl)eth	5.96	93	359054	47.90	ng	92
7) C315 Phenol	5.89	94	477614	45.68	ng	100
8) C330 2-Chlorophenol	6.05	128	334449	49.09	ng	99
9) C320 aniline	5.85	93	1008252	48.98	ng	76
10) C335 1,3-Dichlorobenzene	6.25	146	368045	48.44	ng	96
11) C340 1,4-Dichlorobenzene	6.37	146	378440	49.21	ng	97
13) C350 1,2-Dichlorobenzene	6.59	146	352348	50.59	ng	98
14) C345 Benzyl alcohol	6.57	108	441956	51.65	ng	# 71
15) C360 bis(2-chloroisopropyl	6.78	45	453619	47.21	ng	# 1
16) C355 2-Methylphenol	6.79	108	337898	49.39	ng	96
17) C375 Hexachloroethane	7.10	117	155096	50.05	ng	98
18) C370 N-Nitroso-di-n-propyl	6.98	70	319612	50.29	ng	88
19) C365 4-Methylphenol	7.03	108	368352	50.56	ng	99
22) C410 Nitrobenzene	7.21	77	499876	49.11	ng	91
23) C415 Isophorone	7.58	82	836634	50.46	ng	95
24) C430 benzoic acid	8.09	122	890928	181.88	ng	85
25) C420 2-Nitrophenol	7.70	139	177879	50.71	ng	81
26) C425 2,4-Dimethylphenol	7.82	107	426167	50.38	ng	85

(*) = qualifier out of range (m) = manual integration
U11081.D 8270E.M Thu Mar 16 13:50:37 2006

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Quantitation Report

117/419

Data File : C:\MSDCHEM\1\DATA\031606\U11081.D

Vial: 2

Acq On : 16 Mar 2006 13:29

Operator: MD

Sample : SSTD050

Inst : HP5973U

Misc : 8270A(02/22/06)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 16 13:50:37 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 14:48:48 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.94	93	426926	49.73	ng	98
28) C440 2,4-Dichlorophenol	8.10	162	299260	51.84	ng	98
29) C445 1,2,4-Trichlorobenzen	8.18	180	303005	49.85	ng	98
30) C450 Naphthalene	8.29	128	953855	48.54	ng	97
31) C455 4-Chloroaniline	8.40	127	404085	52.50	ng	100
32) C460 Hexachlorobutadiene	8.49	225	186851	49.83	ng	95
33) C465 4-Chloro-3-methylphen	9.21	107	390348	54.88	ng	86
34) C470 2-Methylnaphthalene	9.35	142	663750	50.69	ng	94
36) C510 Hexachlorocyclopentad	9.58	237	191885	42.15	ng	99
37) C515 2,4,6-Trichlorophenol	9.80	196	228316	51.15	ng	97
38) C520 2,4,5-Trichlorophenol	9.89	196	247840	52.69	ng	99
40) C525 2-Chloronaphthalene	10.07	162	660399	49.20	ng	100
41) C530 2-Nitroaniline	10.26	65	299515	53.05	ng	89
42) C540 Acenaphthylene	10.69	152	1041353	49.56	ng	98
43) C535 Dimethylphthalate	10.55	163	848345	51.12	ng	100
44) C542 2,6-Dinitrotoluene	10.63	165	183351	51.81	ng	81
45) C550 Acenaphthene	10.95	153	632528	49.01	ng	96
46) C545 3-Nitroaniline	10.88	138	199545	54.60	ng	92
47) C555 2,4-Dinitrophenol	11.04	184	59543	79.33	ng	84
48) C565 Dibenzofuran	11.21	168	986276	49.74	ng	89
49) C570 2,4-Dinitrotoluene	11.22	165	258928	54.28	ng	# 1
50) C560 4-Nitrophenol	11.27	109	262507	90.19	ng	# 1
51) C590 Fluorene	11.71	166	822425	50.73	ng	99
52) C585 4-Chlorophenyl-phenyl	11.73	204	395532	50.14	ng	95
53) C580 Diethylphthalate	11.61	149	818446	51.27	ng	97
54) C620 1,2 diphenylhydrazine	11.94	77	1061688	50.13	ng	95
55) C595 4-Nitroaniline	11.78	138	198028	54.75	ng	# 72
57) C610 4,6-Dinitro-2-methylp	11.80	198	218955	93.63	ng	100
58) C615 n-Nitrosodiphenylamin	11.90	169	643698	49.61	ng	99
60) C625 4-Bromophenyl-phenyle	12.37	248	235125	49.60	ng	98
61) C630 Hexachlorobenzene	12.42	284	224653	47.67	ng	99
62) C635 Pentachlorophenol	12.69	266	150482	85.23	ng	99
63) C640 Phenanthrene	12.92	178	1265388	48.08	ng	98
64) C645 Anthracene	12.97	178	1273333	48.29	ng	98
65) C647 carbazole	13.18	167	1246863	51.03	ng	97
66) C650 Di-n-butylphthalate	13.57	149	1448621	49.34	ng	98
67) C655 Fluoranthene	14.18	202	1532748	48.25	ng	93
69) C715 Pyrene	14.40	202	1550032	54.32	ng	91
70) C710 benzidine	14.33	184	584654	67.54	ng	100
72) C720 Butylbenzylphthalate	15.00	149	694490	56.33	ng	90
73) C725 3,3'-Dichlorobenzidin	15.48	252	542821	60.83	ng	97
74) C730 Benzo[a]anthracene	15.50	220	1312395	50.02	ng	99
75) C735 Chrysene	15.54	228	1324495	50.28	ng	98
76) C740 bis(2-Ethylhexyl)phth	15.51	149	917240	54.33	ng	99
77) C760 Di-n-octylphthalate	16.06	149	1676263	53.66	ng	99
79) C765 Benzo[b]fluoranthene	16.47	252	1302836	47.20	ng	97
80) C770 Benzo[k]fluoranthene	16.50	252	1339716	49.93	ng	95
81) C775 Benzo[a]pyrene	16.79	252	1258831	49.78	ng	95
82) C780 Indeno[1,2,3-cd]pyren	18.04	276	1346671	53.12	ng	84
83) C785 Benzo[a,h]anthracene	18.06	278	1128128	51.72	ng	95
84) C790 Benzo[g,h,i]perylene	18.39	276	1170487	54.30	ng	91

(*) = qualifier out of range (m) = manual integration
U11081.D 8270E.M Thu Mar 16 13:50:38 2006

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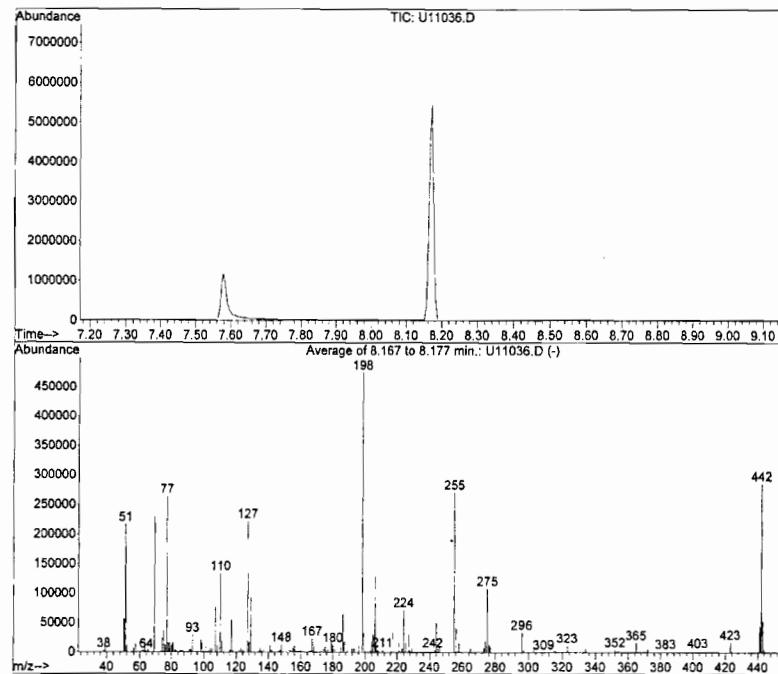
Raw QC Data

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DFTPP Tune Evaluation

Data File : C:\MSDCHEM\1\DATA\031506\U11036.D
 Acq On : 15 Mar 2006 9:11
 Sample : DFTPP 50NG
 Misc : SC23-7Q
 MS Integration Params: rteint.p
 Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)
 Title : Tune Analysis

Vial: 1
 Operator: MD
 Inst : HP5973U
 Multiplr: 1.00



Peak Apex is scan: 713 (8.17 min)

Average of 3 scans: 712,713,714 minus background scan 693 (8.07 min)

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit, %	Limit, %	Abn, %	Abn	Pass/Fail
51	198	30	60	45.4	216122	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	48.1	228936	PASS
70	69	0	2	0.5	1148	PASS
127	198	40	60	46.6	221754	PASS
197	198	0	1	0.4	1719	PASS
198	198	100	100	100.0	475925	PASS
199	198	5	9	7.0	33232	PASS
275	198	10	30	22.7	108165	PASS
365	198	1	100	3.4	16408	PASS
441	198	0	100	9.5	45002	PASS
442	198	40	110	60.1	285909	PASS
443	442	17	23	19.0	54408	PASS

U11036.D TUNE.M

Wed Mar 15 09:23:07 2006

Average of 8.167 to 8.177 min.: U11036.D
DFTPP 50NG

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	2550	69.00	228936	85.10	3618	105.00	6330
39.05	15424	74.10	25181	86.00	4364	107.00	77277
50.10	56416	75.00	36666	87.05	3080	108.05	11676
51.10	216122	76.10	13200	91.05	4363	110.00	133712
52.10	11361	77.05	262779	92.05	5058	111.00	19549
56.05	7047	78.10	17591	93.05	29275	116.10	4416
57.10	14534	79.05	17273	98.00	20919	117.00	55165
61.10	2434	80.05	12299	99.00	15674	118.00	3984
62.05	3484	81.00	16989	101.05	9255	122.00	3828
63.10	9775	82.10	5171	103.00	2761	123.00	7496
65.10	4304	83.10	4314	104.05	6754	124.05	3561

Average of 8.167 to 8.177 min.: U11036.D
DFTPP 50NG

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
125.05	2664	143.05	2465	166.00	3222	186.05	64514
127.10	221754	147.05	3917	166.95	22920	187.05	18160
128.10	17442	148.00	13024	168.00	10428	189.00	4120
129.05	93050	149.10	3169	173.05	3222	192.00	6281
130.05	8084	153.05	3684	174.10	5535	193.05	6844
134.05	2409	154.00	2528	175.10	9573	196.00	12334
135.00	7909	155.05	6763	177.00	4745	198.00	475925
136.05	3092	156.05	11206	179.00	18020	199.00	33232
137.05	3730	160.00	3320	180.00	12439	200.00	2764
141.00	11569	161.10	5850	181.05	5226	203.10	3616
142.00	3608	165.00	4339	185.00	8584	204.05	18936

Average of 8.167 to 8.177 min.: U11036.D
DFTPP 50NG

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
205.00	30613	225.05	16345	246.00	11461	277.00	10065
206.10	129432	227.00	31074	255.00	270613	296.00	33610
207.05	16385	227.95	4130	256.00	40792	297.00	4520
208.00	4410	229.00	6531	257.05	3154	303.00	4547
211.00	4287	231.05	2615	258.00	15264	315.00	3557
216.05	3167	234.95	2600	258.95	2395	323.00	11020
217.00	34789	237.10	2414	265.00	6100	334.05	6340
217.95	4342	242.00	3472	273.00	7699	345.95	2542
221.00	16098	243.05	4248	274.00	20134	351.95	4063
223.00	7024	244.00	49928	275.00	108165	354.05	3255
224.00	72050	245.05	6978	276.00	13791	364.95	16408

Average of 8.167 to 8.177 min.: U11036.D
DFTPP 50NG

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
372.05	5755						
403.00	2847						
421.05	2836						
423.00	17338						
424.00	3190						
441.00	45002						
442.00	285909						
443.00	54408						
444.00	5801						

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Quantitation Report

121/419

Data File : C:\MSDCHEM\1\DATA\031506\U11036.D

Acq On : 15 Mar 2006 9:11

Sample : DFTPP 50NG

Misc : SC23-7Q

MS Integration Params: rteint.p

Vial: 1

Operator: MD

Inst : HP5973U

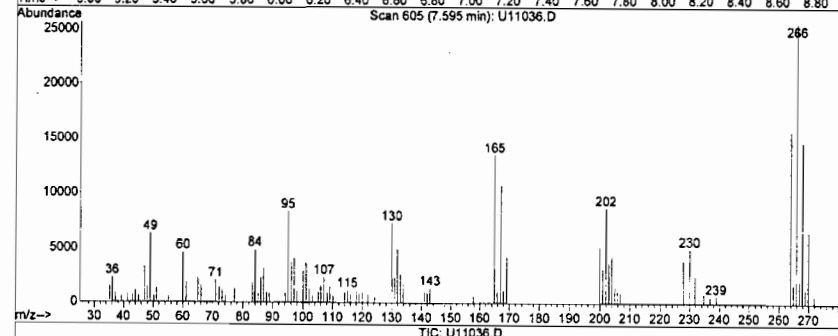
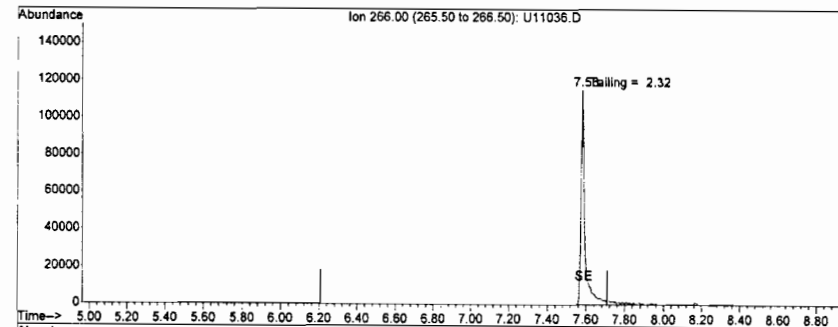
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)

Title : Tune Analysis

Last Update : Mon Feb 27 08:40:13 2006

Response via : Initial Calibration



(1) Pentachlorophenol

Exp R.T. 6.96min

response 0

Ion Exp% Act%

266.00 100 100

0.00 0.00 0.00

0.00 0.00 0.00

0.00 0.00 0.00

U11036.D TUNE.M

Wed Mar 15 09:23:16 2006

Quantitation Report

122/419

Data File : C:\MSDCHEM\1\DATA\031506\U11036.D

Vial: 1

Acq On : 15 Mar 2006 9:11

Operator: MD

Sample : DFTPP 50NG

Inst : HP5973U

Misc : SC23-7Q

Multiplr: 1.00

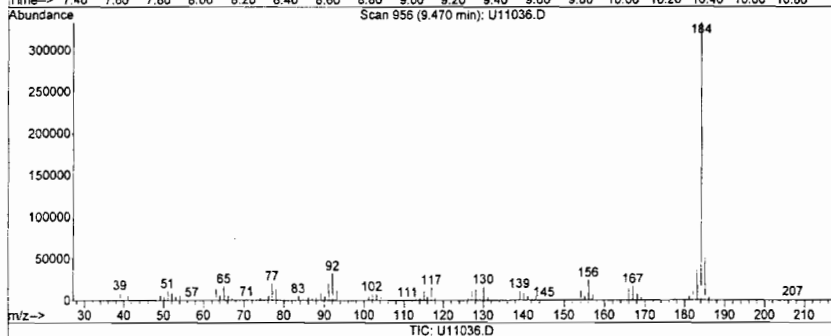
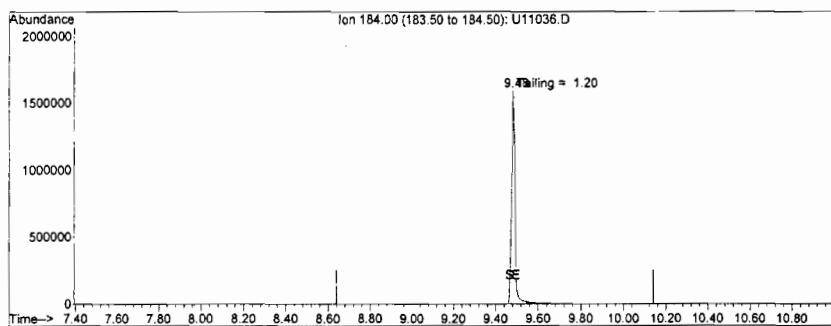
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)

Title : Tune Analysis

Last Update : Mon Feb 27 08:40:13 2006

Response via : Initial Calibration



(2) Benzidine

Exp R.T. 9.39min

response 0

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

U11036.D TUNE.M

Wed Mar 15 09:23:23 2006

Quantitation Report

123/419

Data File : C:\MSDCHEM\1\DATA\031506\U11036.D

Vial: 1

Acq On : 15 Mar 2006 9:11

Operator: MD

Sample : DFTPP 50NG

Inst : HP5973U

Misc : SC23-7Q

Multiplr: 1.00

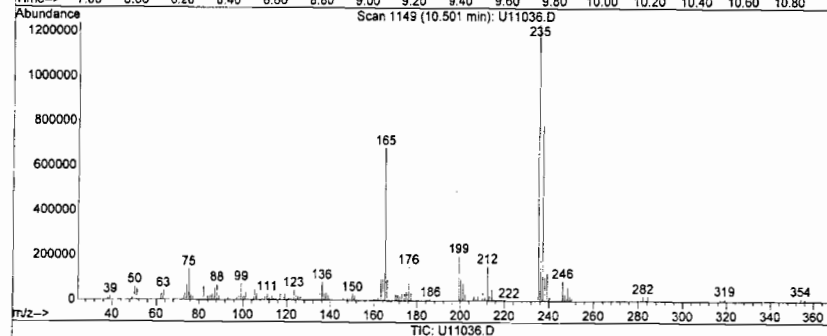
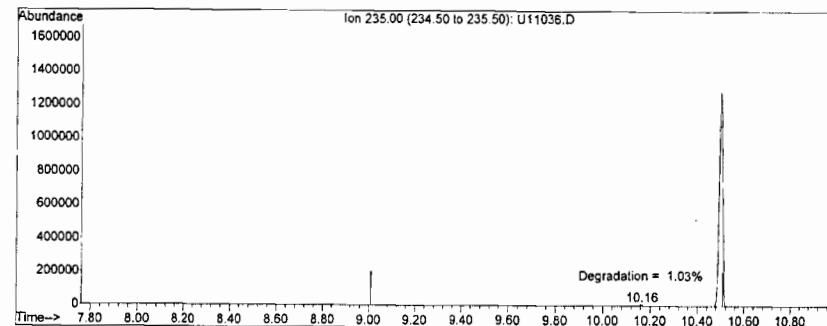
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)

Title : Tune Analysis

Last Update : Mon Feb 27 08:40:13 2006

Response via : Initial Calibration



(3) 4-4DDT

Exp R.T. 9.76min

response 0

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

U11036.D TUNE.M

Wed Mar 15 09:23:33 2006

124/419

DFTPP Tune Evaluation

Data File : C:\MSDCHEM\1\DATA\031506\U11048.D

Acq On : 15 Mar 2006 14:12

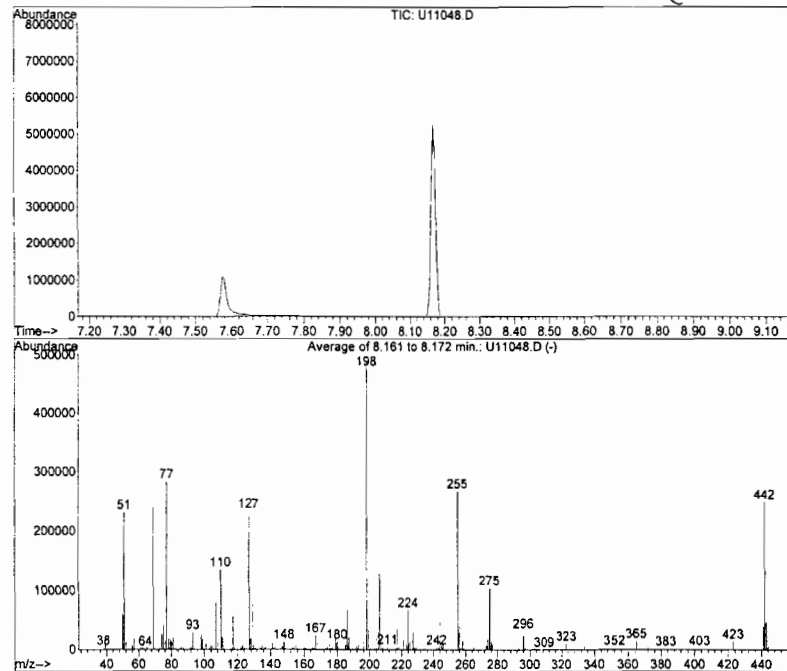
Sample : DFTPP050

Misc : SC23-7Q

MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)

Title : Tune Analysis

Vial: 1
Operator: MD
Inst : HP5973U
Multiplr: 1.00T-0713
C-3851

Peak Apex is scan: 712 (8.17 min)

Average of 3 scans: 711,712,713 minus background scan 692 (8.06 min)

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit,%	Limit,%	Abn,%	Abn	Pass/Fail
51	198	30	60	48.4	231301	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	50.2	239978	PASS
70	69	0	2	0.4	1000	PASS
127	198	40	60	48.9	233386	PASS
197	198	0	1	0.2	1018	PASS
198	198	100	100	100.0	477653	PASS
199	198	5	9	7.0	33570	PASS
275	198	10	30	21.8	104320	PASS
365	198	1	100	3.0	14333	PASS
441	198	0	100	8.2	38981	PASS
442	198	40	110	52.1	248805	PASS
443	442	17	23	18.8	46669	PASS

U11048.D TUNE.M

Wed Mar 15 14:24:06 2006

125/419

Average of 8.161 to 8.172 min.: U11048.D

DFTPP050

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	2704	69.00	239978	83.05	4048	104.05	6902
39.10	17274	73.05	2431	85.05	3904	105.05	5985
50.10	60114	74.10	25530	86.05	5208	107.10	80176
51.10	231301	75.05	40533	87.05	2439	108.05	12028
52.10	11188	76.10	14724	91.05	3775	110.00	134760
56.10	6871	77.10	283349	92.00	3345	111.05	20173
57.10	17196	78.10	18480	93.05	29232	112.05	2442
61.10	3825	79.05	17378	98.05	24304	117.00	56533
62.10	3665	80.05	13649	99.00	17835	118.05	4705
63.10	9965	81.05	20000	101.00	9255	122.00	4427
65.10	4232	82.05	5118	103.05	3664	123.05	7031

Average of 8.161 to 8.172 min.: U11048.D

DFTPP050

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
124.05	3346	142.10	3610	165.00	5337	181.00	5029
125.05	2885	143.05	3363	166.05	4385	185.05	8269
127.10	233386	147.00	5725	167.05	23786	186.05	67637
128.05	18424	148.05	12923	168.05	11054	187.05	20135
129.00	96925	149.00	2893	173.05	2830	189.05	4066
130.05	7884	153.05	3754	174.05	4869	192.00	5859
134.05	3150	154.05	2943	175.05	8816	193.05	7723
135.05	7927	155.05	6698	176.10	2509	196.05	12713
136.05	2986	156.10	10155	177.00	4593	198.00	477653
137.05	3630	160.00	3693	179.00	18777	199.00	33570
141.05	11853	161.05	5827	180.00	13095	200.05	3375

Average of 8.161 to 8.172 min.: U11048.D

DFTPP050

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
203.05	3928	223.05	8074	255.00	267093	292.95	2493
204.00	18905	224.05	66994	256.00	38349	296.00	31408
205.10	30058	225.05	17125	257.00	3099	297.00	4665
206.10	129082	227.00	29768	258.00	15161	303.00	3456
207.05	16710	228.00	4886	259.00	2791	315.00	3814
208.00	4619	229.00	5395	264.95	5171	322.95	10007
211.05	4624	242.05	3760	272.95	6955	334.00	7169
216.10	2833	243.10	3347	274.00	18048	351.95	2935
217.00	34314	244.05	46850	275.00	104320	353.05	2415
218.00	4310	245.05	6665	276.00	13832	365.00	14333
221.00	16579	246.00	9985	277.00	8878	372.00	4946

Average of 8.161 to 8.172 min.: U11048.D

DFTPP050

Modified:subtracted

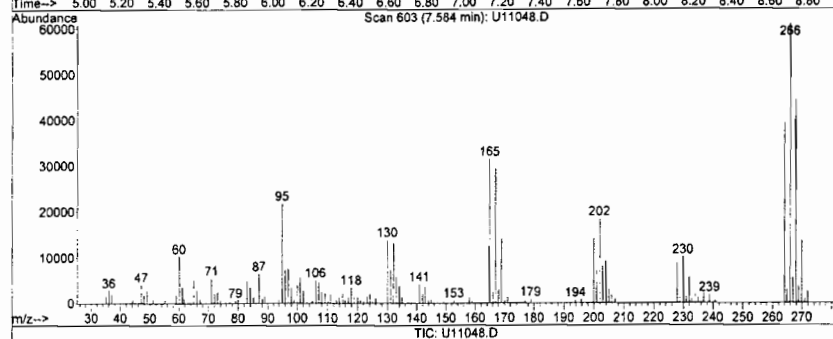
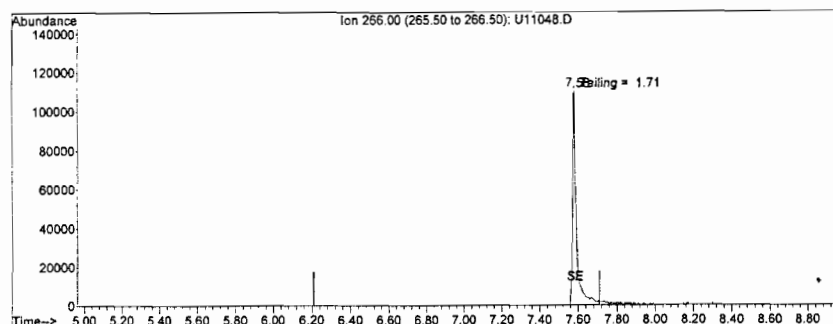
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
403.05	2473						
423.00	13575						
424.00	3092						
441.00	38981						
442.00	248805						
443.00	46669						
444.00	4951						

Quantitation Report

126/419

Data File : C:\MSDCHEM\1\DATA\031506\U11048.D Vial: 1
 Acq On : 15 Mar 2006 14:12 Operator: MD
 Sample : DFTPP050 Inst : HP5973U
 Misc : SC23-7Q Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)
 Title : Tune Analysis
 Last Update : Mon Feb 27 08:40:13 2006
 Response via : Initial Calibration



(1) Pentachlorophenol
 Exp R.T. 6.96min
 response 0

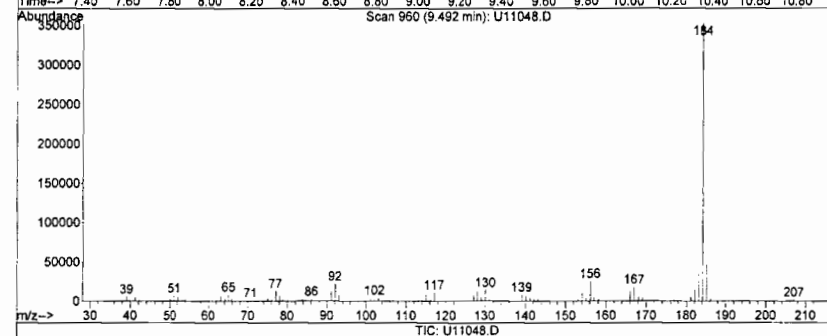
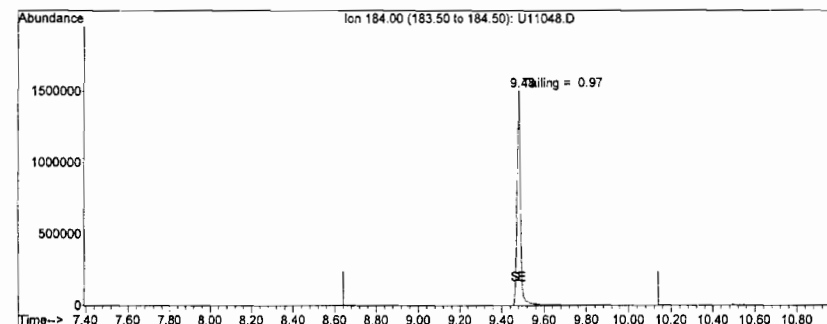
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

127/419

Data File : C:\MSDCHEM\1\DATA\031506\U11048.D Vial: 1
 Acq On : 15 Mar 2006 14:12 Operator: MD
 Sample : DFTPP050 Inst : HP5973U
 Misc : SC23-7Q Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)
 Title : Tune Analysis
 Last Update : Mon Feb 27 08:40:13 2006
 Response via : Initial Calibration



(2) Benzidine
 Exp R.T. 9.39min
 response 0

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

128/419

Data File : C:\MSDCHEM\1\DATA\031506\U11048.D

Vial: 1

Acq On : 15 Mar 2006 14:12

Operator: MD

Sample : DFTPP050

Inst : HP5973U

Misc : SC23-7Q

Multiplr: 1.00

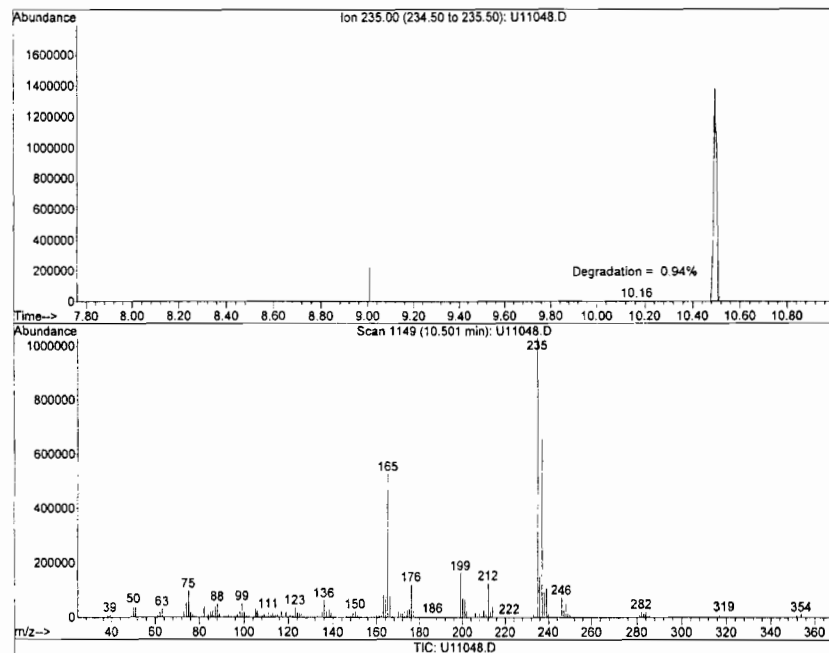
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)

Title : Tune Analysis

Last Update : Mon Feb 27 08:40:13 2006

Response via : Initial Calibration



(3) 44DDT

Exp R.T. 9.76min

response 0

Ion Exp% Act%

235.00 100 100

0.00 0.00 0.00

0.00 0.00 0.00

0.00 0.00 0.00

U11048.D TUNE.M

Wed Mar 15 14:24:36 2006

DFTPP Tune Evaluation

129/419

Data File : C:\MSDCHEM\1\DATA\031606\U11080.D

Vial: 1

Acq On : 16 Mar 2006 13:12

Operator: MD

Sample : DFTPP 50NG

Inst : HP5973U

Misc : SC23-7Q

Multiplr: 1.00

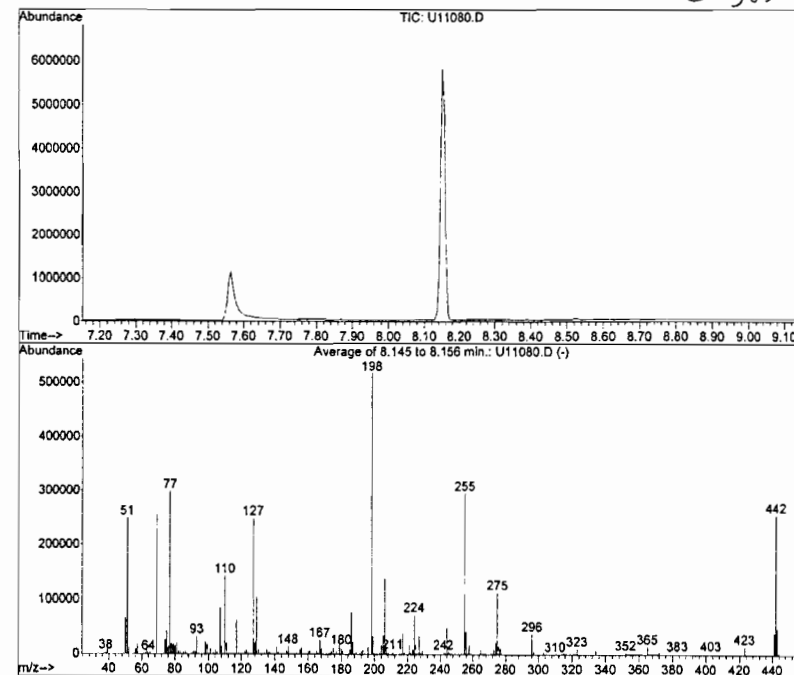
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)

Title : Tune Analysis

T-0731

C-3851



Peak Apex is scan: 709 (8.15 min)

Average of 3 scans: 708,709,710 minus background scan 689 (8.04 min)

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit,%	Limit,%	Abn,%	Abn	Pass/Fail
51	198	30	60	48.1	249005	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	49.4	255609	PASS
70	69	0	2	0.7	1762	PASS
127	198	40	60	48.1	248896	PASS
197	198	0	1	0.3	1432	PASS
198	198	100	100	100.0	517632	PASS
199	198	5	9	6.5	33688	PASS
275	198	10	30	21.6	111757	PASS
365	198	1	100	2.8	14321	PASS
441	198	0	100	7.6	39586	PASS
442	198	40	110	49.4	255498	PASS
443	442	17	23	19.2	49154	PASS

U11080.D TUNE.M

Thu Mar 16 13:28:13 2006

130/419

Average of 8.145 to 8.156 min.: U11080.D

DFTPP 50NG

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	3123	69.00	255609	85.05	3800	105.05	5022
39.10	18636	74.10	26544	86.00	5642	107.05	85682
50.10	66429	75.05	43418	91.00	5196	108.10	14365
51.05	249005	76.10	14746	92.05	5695	110.00	142269
52.10	11562	77.05	299097	93.00	32453	111.05	21144
56.10	9027	78.10	19741	94.00	2844	112.10	2937
57.10	17286	79.05	19062	98.00	23477	116.00	3840
61.05	2938	80.05	15433	99.05	19434	117.00	62282
62.10	3617	81.10	21003	101.05	10525	118.10	3960
63.10	9476	82.10	5467	103.05	3596	122.05	5362
65.10	4766	83.05	4983	104.05	7544	123.10	8028

Average of 8.145 to 8.156 min.: U11080.D

DFTPP 50NG

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
124.00	4017	142.00	4223	165.00	5332	181.05	6366
125.00	3134	143.05	3342	166.05	4145	185.05	9250
127.10	248896	147.00	6319	167.05	26261	186.05	77850
128.10	21621	148.00	14032	168.00	11092	187.05	23424
129.00	104466	149.00	2659	169.05	2819	189.05	4731
130.05	8222	153.00	4163	173.05	3351	192.00	6207
134.00	3163	155.10	8129	174.05	5795	193.05	8121
135.05	8089	156.10	11686	175.10	11614	196.05	13221
136.00	3928	158.05	2856	177.00	6041	198.00	517632
137.05	3848	160.10	5125	179.00	19780	199.00	33688
141.05	13646	161.05	7009	180.00	13407	200.05	2920

Average of 8.145 to 8.156 min.: U11080.D

DFTPP 50NG

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
203.00	4563	223.00	9066	244.00	49912	275.00	111757
204.05	20233	224.00	72357	245.05	6351	276.00	15240
205.05	34536	225.05	19480	246.00	12261	277.00	10465
206.10	139656	227.00	34066	255.00	294592	296.00	37440
207.05	17739	228.00	4584	256.00	42264	297.00	5548
208.00	5193	229.00	6840	257.15	3184	303.05	4055
211.05	5282	231.00	3011	258.00	16647	315.05	4224
217.00	37952	234.95	2919	259.05	2607	316.05	2590
218.05	4782	237.00	2813	265.00	7801	323.05	10220
221.00	17973	242.05	4006	273.00	8241	334.05	7290
221.85	5450	243.10	3430	274.00	22240	352.00	3229

Average of 8.145 to 8.156 min.: U11080.D

DFTPP 50NG

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
354.05	3332						
365.00	14321						
372.05	5163						
403.05	2699						
423.00	14917						
424.05	3432						
441.00	39586						
442.00	255498						
443.00	49154						
444.00	5271						

Quantitation Report

131/419

Data File : C:\MSDCHEM\1\DATA\031606\U11080.D

Vial: 1

Acq On : 16 Mar 2006 13:12

Operator: MD

Sample : DFTPP 50NG

Inst : HP5973U

Misc : SC23-7Q

Multiplr: 1.00

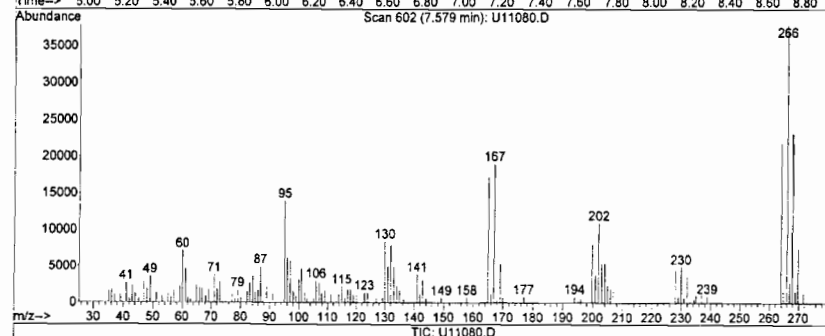
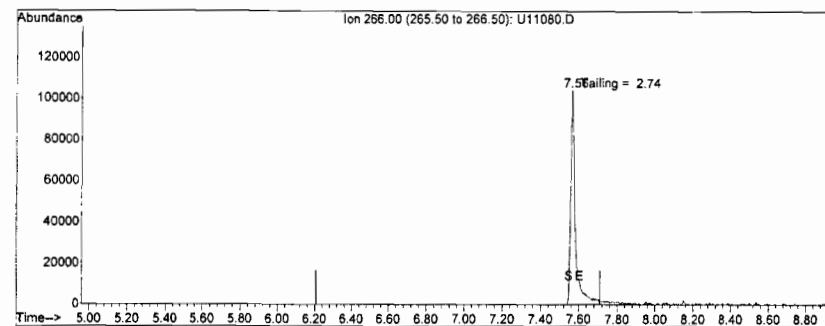
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)

Title : Tune Analysis

Last Update : Mon Feb 27 08:40:13 2006

Response via : Initial Calibration



(1) Pentachlorophenol

Exp R.T. 6.96min

response 0

Ion Exp% Act%

266.00 100 100

0.00 0.00 0.00

0.00 0.00 0.00

0.00 0.00 0.00

U11080.D TUNE.M

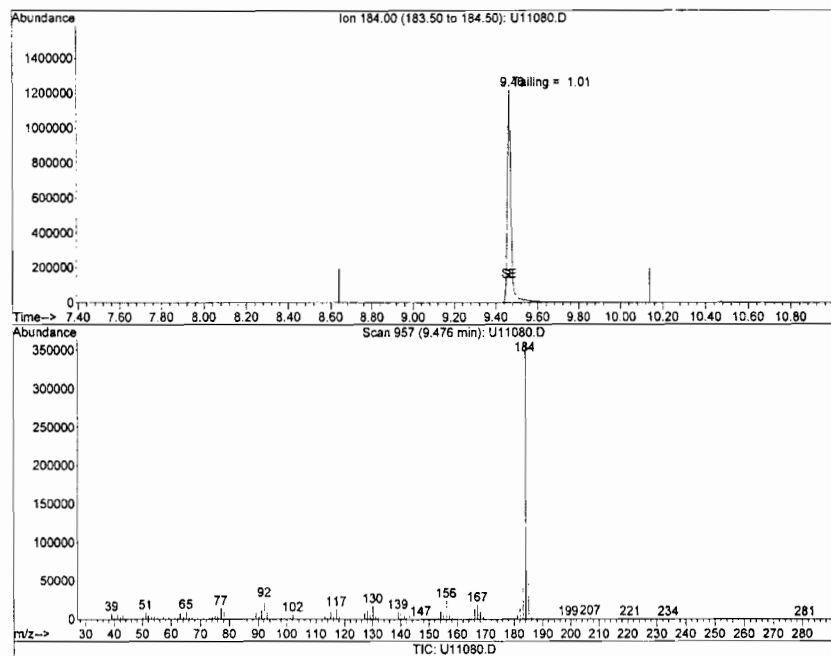
Thu Mar 16 13:28:23 2006

132/419

Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031606\U11080.D Vial: 1
 Acq On : 16 Mar 2006 13:12 Operator: MD
 Sample : DFTPP 50NG Inst: HP5973U
 Misc : SC23-7Q Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)
 Title : Tune Analysis
 Last Update : Mon Feb 27 08:40:13 2006
 Response via : Initial Calibration



(2) Benzidine

Exp R.T. 9.39min

response 0

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

U11080.D TUNE.M

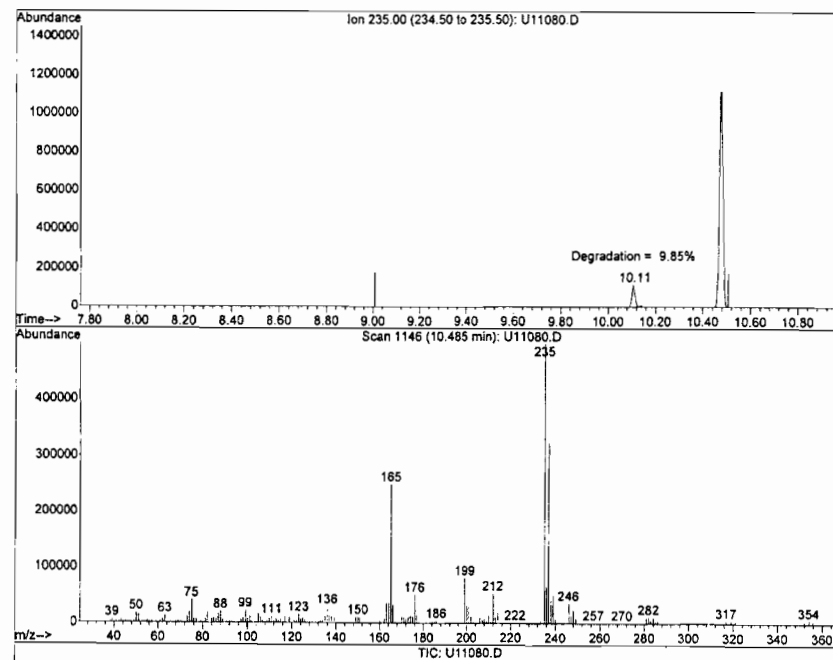
Thu Mar 16 13:28:31 2006

133/419

Quantitation Report

Data File : C:\MSDCHEM\1\DATA\031606\U11080.D Vial: 1
 Acq On : 16 Mar 2006 13:12 Operator: MD
 Sample : DFTPP 50NG Inst: HP5973U
 Misc : SC23-7Q Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\TUNE.M (RTE Integrator)
 Title : Tune Analysis
 Last Update : Mon Feb 27 08:40:13 2006
 Response via : Initial Calibration



(3) 4-4DDT

Exp R.T. 9.76min

response 0

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

U11080.D TUNE.M

Thu Mar 16 13:28:41 2006

METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

134/419

Client No.

SBLK62

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6B1520902

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: U11066.RR

Level: (low/med) LOW

Date Samp/Recv: _____

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/15/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CONCENTRATION UNITS:
(ug/L or ug/Kg)

CAS NO.	COMPOUND	UG/L	Q
98-95-3-----	Nitrobenzene	10	U

FORM I - GC/MS ENV

Quantitation Report (Not Reviewed)

135/419

Data File : C:\MSDCHEM\1\DATA\031506\U11066.D

Vial: 19

Acq On : 15 Mar 2006 21:15

Operator: MD

Sample : SBLK62 AW60016046

Inst : HP5973U

Misc : 06-2581

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 16 7:32 2006

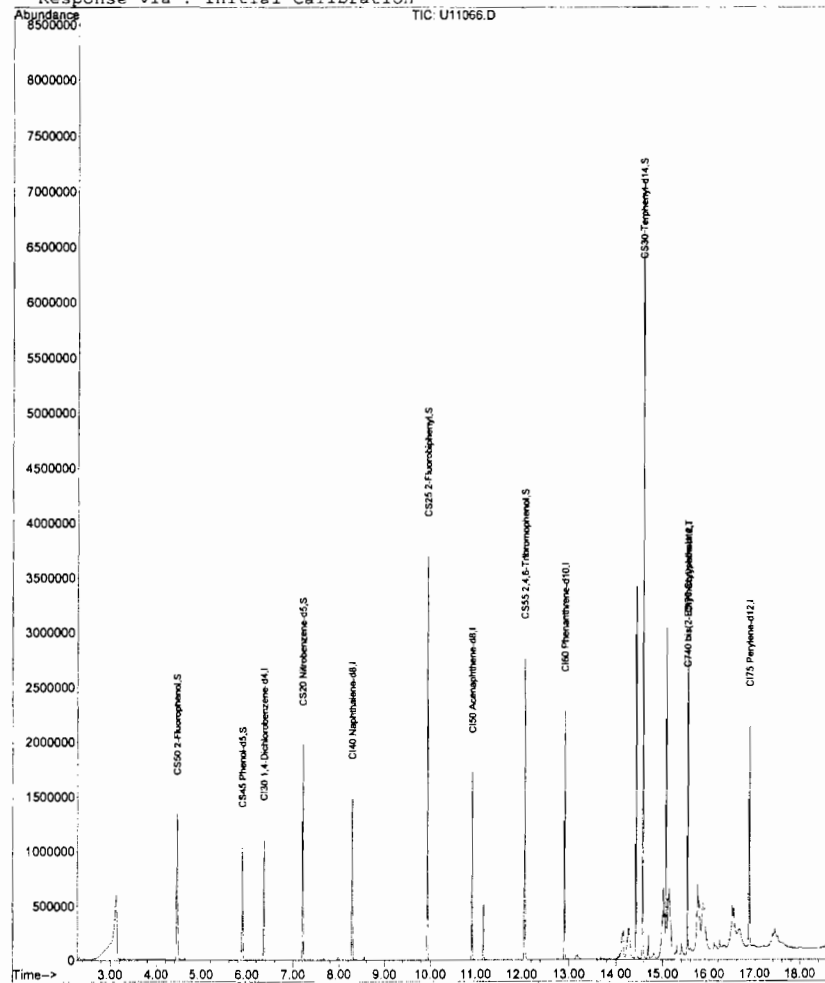
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 14:48:48 2006

Response via : Initial Calibration



U11066.D 8270E.M

Thu Mar 16 07:32:14 2006

Page 3

Quantitation Report

136/419

Data File : C:\MSDCHEM\1\DATA\031506\U11066.D
Acq On : 15 Mar 2006 21:15
Sample : SBLK62 AW60016046
Misc : 06-2581

Vial: 19
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 16 07:32:12 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 14:48:48 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031506\U11049.D (15 Mar 2006 14:28)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
					Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.37	152	181328	40.00 ng	0.00
					94.51%
20) CI40 Naphthalene-d8	8.28	136	716580	40.00 ng	0.00
					93.12%
35) CI50 Acenaphthene-d8	10.92	164	452949	40.00 ng	0.00
					92.25%
56) CI60 Phenanthrene-d10	12.91	188	759766	40.00 ng	0.00
					95.00%
68) CI70 Chrysene-d12	15.53	240	898731	40.00 ng	0.00
					98.74%
78) CI75 Perylene-d12	16.87	264	860663	40.00 ng	0.00
					90.85%

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.46	112	478170	62.61 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	41.74%	
5) CS45 Phenol-d5	5.89	99	472276	48.23 ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery =	32.15%	
6) CS70 2-chlorophenol-d4	0.00	132	0	0.00 ng	
Spiked Amount 150.000	Range 33 - 110		Recovery =	0.00%	
12) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00 ng	
Spiked Amount 100.000	Range 16 - 110		Recovery =	0.00%	
21) CS20 Nitrobenzene-d5	7.21	82	768757	77.24 ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	77.24%	
39) CS25 2-Fluorobiphenyl	9.94	172	1213220	75.71 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	75.71%	
59) CS55 2,4,6-Tribromophenol	12.06	330	246038	130.76 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	87.17%	
71) CS30 Terphenyl-d14	14.57	244	1889199	88.69 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	88.69%	

Target Compounds

	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodidimethylam	2.46	74	392	N.D.	
4) C325 bis(2-Chloroethyl)eth	0.00	93	0	N.D.	
7) C315 Phenol	5.92	94	198	N.D.	
8) C330 2-Chlorophenol	0.00	128	0	N.D.	
9) C320 aniline	0.00	93	0	N.D.	
10) C335 1,3-Dichlorobenzene	6.28	146	1175	N.D.	
11) C340 1,4-Dichlorobenzene	6.28	146	1175	N.D.	
13) C350 1,2-Dichlorobenzene	6.61	146	1323	N.D.	
14) C345 Benzyl alcohol	0.00	108	0	N.D.	
15) C360 bis(2-chloroisopropyl	6.81	45	162	N.D.	
16) C355 2-Methylphenol	0.00	108	0	N.D.	
17) C375 Hexachloroethane	7.12	117	166	N.D.	
18) C370 N-Nitroso-di-n-propyl	7.01	70	199	N.D.	
19) C365 4-Methylphenol	7.08	108	229	N.D.	
22) C410 Nitrobenzene	7.21	77	2733	N.D.	
23) C415 Isophorone	7.66	82	1307	N.D.	
24) C430 benzoic acid	0.00	122	0	N.D.	
25) C420 2-Nitrophenol	0.00	139	0	N.D.	
26) C425 2,4-Dimethylphenol	0.00	107	0	N.D.	

(#) = qualifier out of range (m) = manual integration
U11066.D 8270E.M Thu Mar 16 07:32:13 2006

Page 1

Quantitation Report

137/419

Data File : C:\MSDCHEM\1\DATA\031506\U11066.D
Acq On : 15 Mar 2006 21:15
Sample : SBLK62 AW60016046
Misc : 06-2581

Vial: 19
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 16 07:32:12 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 14:48:48 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	0.00	93	0	N.D.	
28) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
29) C445 1,2,4-Trichlorobenzen	8.20	180	185	N.D.	
30) C450 Naphthalene	8.32	128	2273	N.D.	
31) C455 4-Chloroaniline	8.31	127	166	N.D.	
32) C460 Hexachlorobutadiene	8.51	225	436	N.D.	
33) C465 4-Chloro-3-methylphen	0.00	107	0	N.D.	
34) C470 2-Methylnaphthalene	9.37	142	292	N.D.	
36) C510 Hexachlorocyclopentad	0.00	237	0	N.D.	
37) C515 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
38) C520 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
40) C525 2-Chloronaphthalene	0.00	162	0	N.D.	
41) C530 2-Nitroaniline	0.00	65	0	N.D.	
42) C540 Acenaphthylene	0.00	152	0	N.D.	
43) C535 Dimethylphthalate	0.00	163	0	N.D.	
44) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
45) C550 Acenaphthene	11.16	153	1617	N.D.	
46) C545 3-Nitroaniline	0.00	138	0	N.D.	
47) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
48) C565 Dibenzofuran	11.16	168	6022	N.D.	
49) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	
50) C560 4-Nitrophenol	0.00	109	0	N.D.	
51) C590 Fluorene	11.72	166	163	N.D.	
52) C585 4-Chlorophenyl-phenyl	0.00	204	0	N.D.	
53) C580 Diethylphthalate	11.62	149	184	N.D.	
54) C620 1,2-diphenylhydrazine	11.98	77	177	N.D.	
55) C595 4-Nitroaniline	0.00	138	0	N.D.	
57) C610 4,6-Dinitro-2-methylp	0.00	198	0	N.D.	
58) C615 n-Nitrosodiphenylamin	0.00	169	0	N.D.	
60) C625 4-Bromophenyl-phenyle	0.00	248	0	N.D.	
61) C630 Hexachlorobenzene	0.00	284	0	N.D.	
62) C635 Pentachlorophenol	0.00	266	0	N.D.	
63) C640 Phenanthrene	12.93	178	309	N.D.	
64) C645 Anthracene	12.93	178	309	N.D.	
65) C647 carbazole	0.00	167	0	N.D.	
66) C650 Di-n-butylphthalate	13.59	149	5886	N.D.	
67) C655 Fluoranthene	14.19	202	179	N.D.	
69) C715 Pyrene	14.57	202	6778	N.D.	
70) C710 benzidine	0.00	184	0	N.D.	
72) C720 Butylbenzylphthalate	15.02	149	1116	N.D.	
73) C725 3,3'-Dichlorobenzidin	0.00	252	0	N.D.	
74) C730 Benzo[a]anthracene	15.53	228	2244	N.D.	
75) C735 Chrysene	15.53	228	2244	N.D.	
76) C740 bis(2-Ethylhexyl)phth	15.52	149	14636	0.81 ng	98
77) C760 Di-n-octylphthalate	16.11	149	7290	N.D.	
79) C765 Benzo[b]fluoranthene	16.49	252	217	N.D.	
80) C770 Benzo[k]fluoranthene	16.49	252	217	N.D.	
81) C775 Benzo[a]pyrene	16.86	252	3382	N.D.	
82) C780 Indeno[1,2,3-cd]pyren	0.00	276	0	N.D.	
83) C785 Dibenz[a,h]anthracene	0.00	278	0	N.D.	
84) C790 Benzo[g,h,i]perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration
U11066.D 8270E.M Thu Mar 16 07:32:14 2006

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METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

138/419

Client No.

MSB62

Lab Name: SIL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6B1520901

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: U11083.RR

Level: (low/mod) LOW

Date Samp/Recv: _____

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
98-95-3-----	Nitrobenzene		72	

Quantitation Report (Not Reviewed)

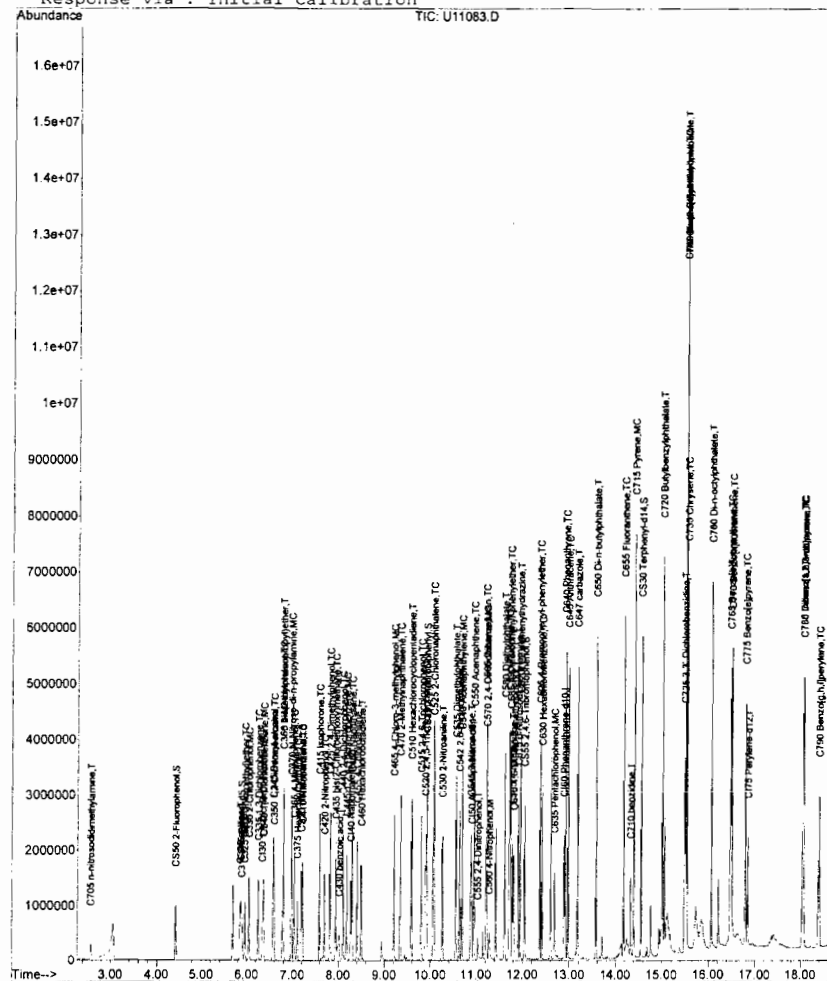
139/419

Data File : C:\MSDCHEM\1\DATA\031606\U11083.D
Acq On : 16 Mar 2006 14:18
Sample : MSB AW60016045
Misc : 06-2581
MS Integration Params: rteint.p
Quant Time: Mar 17 7:24 2006

Vial: 3
Operator: MD
Inst : HP5973U
Multiplr: 1.00

Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Mar 16 13:51:27 2006
Response via : Initial Calibration



Quantitation Report

140/419

Data File : C:\MSDCHEM\1\DATA\031606\U11083.D
Acq On : 16 Mar 2006 14:18
Sample : MSB AW60016045
Misc : 06-2581

Vial: 3
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:26 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Mar 16 13:51:27 2006
Response via : Initial Calibration
DataAcq Meth: 8270E
IS QA File : C:\MSDCHEM\1\DATA\031606\U11081.D (16 Mar 2006 13:29)

SSMP 03/17/06

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.34	152	170169	40.00 ng	0.00
					93.65%
20) CI40 Naphthalene-d8	8.26	136	698600	40.00 ng	0.00
					96.38%
35) CI50 Acenaphthene-d8	10.90	164	457348	40.00 ng	0.00
					95.19%
56) CI60 Phenanthrene-d10	12.89	188	779602	40.00 ng	0.00
					92.98%
68) CI70 Chrysene-d12	15.51	240	825397	40.00 ng	0.00
					98.23%
78) CI75 Perylene-d12	16.85	264	787353	40.00 ng	0.00
					95.05%
System Monitoring Compounds					
3) CS50 2-Fluorophenol	4.42	112	361592	50.45 ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery =	33.63%	
5) CS45 Phenol-d5	5.87	99	394754	42.96 ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery =	28.64%	
6) CS70 2-chlorophenol-d4	6.04	132	178	0.03 ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery =	0.02%	
12) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00 ng	
Spiked Amount 100.000	Range 16 - 110		Recovery =	0.00%	
21) CS20 Nitrobenzene-d5	7.18	82	645054	66.48 ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery =	66.48%	
39) CS25 2-Fluorobiphenyl	9.91	172	1127930	69.71 ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	69.71%	
59) CS55 2,4,6-Tribromophenol	12.05	330	244548	126.66 ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery =	84.44%	
71) CS30 Terphenyl-d14	14.56	244	1716237	87.73 ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	87.73%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodidimethylam	2.58	74	161572	36.23 ng	85
4) C325 bis(2-Chloroethyl)eth	5.96	93	471585	67.17 ng	92
7) C315 Phenol	5.89	94	288922	29.51 ng	99
8) C330 2-Chlorophenol	6.05	128	411348	64.47 ng	96
9) C320 aniline	5.85	93	462639	24.00 ng	75
10) C335 1,3-Dichlorobenzene	6.25	146	365228	51.32 ng	99
11) C340 1,4-Dichlorobenzene	6.37	146	388027	53.87 ng	99
13) C350 1,2-Dichlorobenzene	6.59	146	370187	56.76 ng	96
14) C345 Benzyl alcohol	6.57	108	327323	40.85 ng	# 81
15) C360 bis(2-chloroisopropyl	6.78	45	591840	65.76 ng	# 5
16) C355 2-Methylphenol	6.79	108	418372	65.30 ng	95
17) C375 Hexachloroethane	7.10	117	150477	51.85 ng	99
18) C370 N-Nitroso-di-n-propyl	6.98	70	466467	78.37 ng	84
19) C365 4-Methylphenol	7.03	108	436002	63.90 ng	96
22) C410 Nitrobenzene	7.21	77	704950	71.85 ng	90
23) C415 Isophorone	7.58	82	1241622	77.71 ng	94
24) C430 benzoic acid	8.01	122	216274	150.67 ng	# 82
25) C420 2-Nitrophenol	7.70	139	266881	78.95 ng	82
26) C425 2,4-Dimethylphenol	7.82	107	633622	77.72 ng	83

(#) = qualifier out of range (m) = manual integration
U11083.D 8270E.M Fri Mar 17 07:24:28 2006

Page 1

Quantitation Report

141/419

Data File : C:\MSDCHEM\1\DATA\031606\U11083.D
Acq On : 16 Mar 2006 14:18
Sample : MSB AW60016045
Misc : 06-2581

Vial: 3
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:26 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Mar 16 13:51:27 2006
Response via : Initial Calibration
DataAcq Meth: 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.94	93	641788	77.57 ng	99
28) C440 2,4-Dichlorophenol	8.10	162	481277	86.50 ng	100
29) C445 1,2,4-Trichlorobenzen	8.18	180	371745	63.46 ng	98
30) C450 Naphthalene	8.30	128	1295081	68.39 ng	97
31) C455 4-Chloroaniline	8.40	127	592813	79.92 ng	98
32) C460 Hexachlorobutadiene	8.49	225	216660	59.95 ng	97
33) C465 4-Chloro-3-methylphen	9.21	107	628885	91.74 ng	87
34) C470 2-Methylnaphthalene	9.35	142	930314	73.72 ng	95
36) C510 Hexachlorocyclopentad	9.58	237	250404	57.79 ng	98
37) C515 2,4,6-Trichlorophenol	9.80	196	372899	87.76 ng	99
38) C520 2,4,5-Trichlorophenol	9.89	196	399828	89.30 ng	98
40) C525 2-Chloronaphthalene	10.07	162	1002109	78.43 ng	98
41) C530 2-Nitroaniline	10.26	65	479482	89.21 ng	89
42) C540 Acenaphthylene	10.69	152	1637139	81.85 ng	98
43) C535 Dimethylphthalate	10.55	163	1403821	88.86 ng	100
44) C542 2,6-Dinitrotoluene	10.63	165	309973	92.02 ng	# 79
45) C550 Acenaphthene	10.95	153	1019053	82.94 ng	98
46) C545 3-Nitroaniline	10.88	138	314204	90.31 ng	85
47) C555 2,4-Dinitrophenol	11.04	184	65936	84.53 ng	# 79
48) C565 Dibenzofuran	11.21	168	1559205	82.61 ng	90
49) C570 2,4-Dinitrotoluene	11.23	165	423446	93.25 ng	# 1
50) C560 4-Nitrophenol	11.28	109	119121	42.99 ng	# 1
51) C590 Fluorene	11.71	166	1355815	87.85 ng	100
52) C585 4-Chlorophenyl-phenyl	11.74	204	662961	88.28 ng	96
53) C580 Diethylphthalate	11.61	149	1391341	91.55 ng	99
54) C620 1,2 diphenylhydrazine	11.94	77	1683030	83.48 ng	94
55) C595 4-Nitroaniline	11.78	138	316949	92.06 ng	# 77
57) C610 4,6-Dinitro-2-methylp	11.80	198	260813	112.47 ng	100
58) C615 n-Nitrosodiphenylamin	11.90	169	684542	56.74 ng	96
60) C625 4-Bromophenyl-phenyle	12.37	248	382117	86.69 ng	96
61) C630 Hexachlorobenzene	12.42	284	378047	86.29 ng	95
62) C635 Pentachlorophenol	12.69	266	157128	95.71 ng	99
63) C640 Phenanthrene	12.92	178	2101971	85.90 ng	99
64) C645 Anthracene	12.98	178	2126161	86.72 ng	98
65) C647 carbazole	13.18	167	2069350	91.09 ng	97
66) C650 Di-n-butylphthalate	13.57	149	2422424	88.74 ng	98
67) C655 Fluoranthene	14.18	202	2520042	85.32 ng	94
69) C715 Pyrene	14.40	202	2572833	91.80 ng	92
70) C710 benzidine	14.33	184	372950	44.53 ng	100
72) C720 Butylbenzylphthalate	15.00	149	1168570	96.49 ng	86
73) C725 3,3'-Dichlorobenzidini	15.48	252	669498	75.73 ng	95
74) C730 Benzo[a]anthracene	15.50	228	2377122	92.23 ng	99
75) C735 Chrysene	15.54	228	2258492	87.28 ng	98
76) C740 bis(2-Ethylhexyl)phth	15.51	149	1608014	96.97 ng	98
77) C760 Di-n-octylphthalate	16.06	149	2867743	93.46 ng	99
79) C765 Benzo[b]fluoranthene	16.47	252	2338511	89.14 ng	96
80) C770 Benzo[k]fluoranthene	16.50	252	2073992	81.32 ng	97
81) C775 Benzo[a]pyrene	16.79	252	2123266	88.33 ng	95
82) C780 Indeno[1,2,3-cd]pyren	18.05	276	2322177	96.37 ng	86
83) C785 Dibenz[a,h]anthracene	18.06	278	1888362	91.09 ng	96
84) C790 Benzo[g,h,i]perylene	18.40	276	1988936	97.07 ng	91

(#) = qualifier out of range (m) = manual integration
U11083.D 8270E.M Fri Mar 17 07:24:28 2006

Page 2

METHOD 8270 - NITROBENZENE
ANALYSIS DATA SHEET

142/419

Client No.

GW-22-0306

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258102C

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: U11068.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/15/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
98-95-3-----	Nitrobenzene		66	

FORM I - GC/MS ENA

Quantitation Report (Not Reviewed)

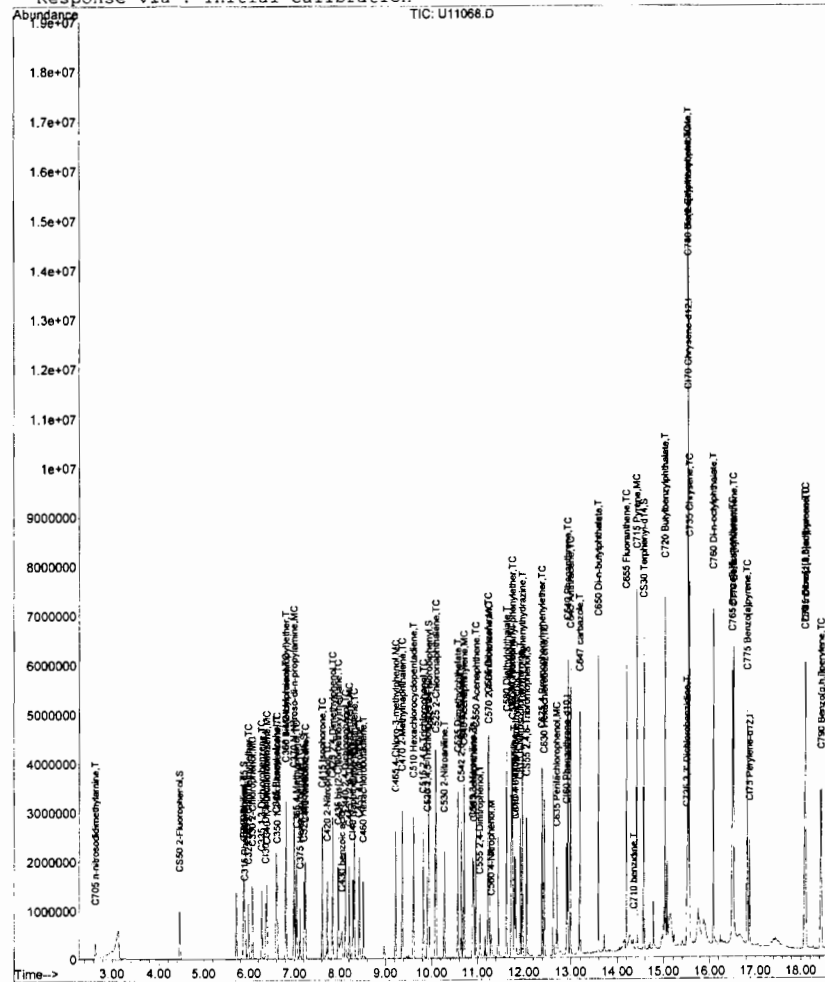
143/419

Data File : C:\MSDCHEM\1\DATA\031506\U11068.D
Acq On : 15 Mar 2006 22:03
Sample : A6B258102C AW60016038
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 16 7:32 2006

Vial: 21
Operator: MD
Inst : HP59730
Multiplr: 1.00

Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Wed Mar 15 14:48:48 2006
Response via : Initial Calibration



U11068.D 8270E.M

Thu Mar 16 07:32:18 2006

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Quantitation Report

144/419

Data File : C:\MSDCHEM\1\DATA\031506\U11068.D
Acq On : 15 Mar 2006 22:03
Sample : A6B258102C AW60016038
Misc :

Vial: 21
Operator: MD
Inst : HP59730
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 16 07:32:16 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 14:48:48 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031506\U11049.D (15 Mar 2006 14:28)

Internal Standards	R.T.	Qion	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.37	152	184268	40.00	ng	0.00	
						96.04%	
20) CI40 Naphthalene-d8	8.28	136	755622	40.00	ng	0.00	
						98.20%	
35) CI50 Acenaphthene-d8	10.92	164	477423	40.00	ng	0.00	
						97.23%	
56) CI60 Phenanthrene-d10	12.91	188	791196	40.00	ng	0.00	
						98.93%	
68) CI70 Chrysene-d12	15.53	240	864768	40.00	ng	0.00	
						95.01%	
78) CI75 Perylene-d12	16.87	264	889389	40.00	ng	0.00	
						93.89%	

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.46	112	364992	47.03	ng	0.00	
Spiked Amount 150.000	Range 21 - 110		Recovery =	31.35%			
5) CS45 Phenol-d5	5.89	99	378615	38.05	ng	0.00	
Spiked Amount 150.000	Range 10 - 110		Recovery =	25.37%			
6) CS70 2-chlorophenol-d4	6.07	132	162	0.02	ng	0.03	
Spiked Amount 150.000	Range 33 - 110		Recovery =	0.01%			
12) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00	ng		
Spiked Amount 100.000	Range 16 - 110		Recovery =	0.00%			
21) CS20 Nitrobenzene-d5	7.21	82	658217	62.71	ng	0.00	
Spiked Amount 100.000	Range 34 - 114		Recovery =	62.71%			
39) CS25 2-Fluorobiphenyl	9.94	172	1192618	70.60	ng	0.00	
Spiked Amount 100.000	Range 43 - 116		Recovery =	70.60%			
59) CS55 2,4,6-Tribromophenol	12.06	330	245456	125.27	ng	0.00	
Spiked Amount 150.000	Range 10 - 123		Recovery =	83.51%			
71) CS30 Terphenyl-d14	14.57	244	1728882	84.35	ng	0.00	
Spiked Amount 100.000	Range 33 - 141		Recovery =	84.35%			

Target Compounds

	R.T.	Qion	Response	Conc	Units	Qvalue
2) C705 n-nitrosodidimethylam	2.64	74	193923	40.15	ng	87
4) C325 bis(2-Chloroethyl)eth	5.99	93	488396	64.24	ng	91
7) C315 Phenol	5.91	94	285096	26.89	ng	96
8) C330 2-Chlorophenol	6.07	128	426551	61.74	ng	98
9) C320 aniline	5.88	93	637003	30.51	ng	72
10) C335 1,3-Dichlorobenzene	6.28	146	361774	46.95	ng	97
11) C340 1,4-Dichlorobenzene	6.39	146	389096	49.89	ng	99
13) C350 1,2-Dichlorobenzene	6.62	146	375008	53.10	ng	98
14) C345 Benzyl alcohol	6.60	108	345987	39.88	ng	75
15) C360 bis(2-chloroisopropyl	6.81	45	589423	60.48	ng	1
16) C355 2-Methylphenol	6.81	108	427413	61.61	ng	95
17) C375 Hexachloroethane	7.13	117	135371	43.08	ng	97
18) C370 N-Nitroso-di-n-propyl	7.00	70	478100	74.17	ng	89
19) C365 4-Methylphenol	7.05	108	431079	58.34	ng	91
22) C410 Nitrobenzene	7.24	77	724731	68.30	ng	90
23) C415 Isophorone	7.61	82	1269288	73.44	ng	96
24) C430 benzoic acid	8.04	122	283655	152.91	ng	78
25) C420 2-Nitrophenol	7.72	139	254536	69.61	ng	81
26) C425 2,4-Dimethylphenol	7.84	107	675455	76.60	ng	85

(#) = qualifier out of range (m) = manual integration
U11068.D 8270E.M Thu Mar 16 07:32:17 2006

Page 1

Quantitation Report

145/419

Data File : C:\MSDCHEM\1\DATA\031506\U11068.D
Acq On : 15 Mar 2006 22:03
Sample : A6B258102C AW60016038
Misc :

Vial: 21
Operator: MD
Inst : HP59730
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 16 07:32:16 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Wed Mar 15 14:48:48 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	Qion	Response	Conc	Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.96	93	655933	73.30	ng	99
28) C440 2,4-Dichlorophenol	8.12	162	473157	78.63	ng	98
29) C445 1,2,4-Trichlorobenzen	8.20	180	360958	56.97	ng	98
30) C450 Naphthalene	8.32	128	1287660	62.86	ng	96
31) C455 4-Chloroaniline	8.42	127	613485	76.47	ng	99
32) C460 Hexachlorobutadiene	8.51	225	190094	48.63	ng	97
33) C465 4-Chloro-3-methylphen	9.22	107	638868	86.17	ng	87
34) C470 2-Methylnaphthalene	9.37	142	919978	67.40	ng	96
36) C510 Hexachlorocyclopentad	9.60	237	241509	53.39	ng	99
37) C515 2,4,6-Trichlorophenol	9.82	196	372297	83.93	ng	98
38) C520 2,4,5-Trichlorophenol	9.91	196	418825	89.61	ng	99
40) C525 2-Chloronaphthalene	10.10	162	993338	74.48	ng	100
41) C530 2-Nitroaniline	10.28	65	500589	89.22	ng	89
42) C540 Acenaphthylene	10.71	152	1660169	79.51	ng	96
43) C535 Dimethylphthalate	10.57	163	1463571	88.74	ng	100
44) C542 2,6-Dinitrotoluene	10.65	165	318314	90.52	ng	85
45) C550 Acenaphthene	10.97	153	1030513	80.35	ng	98
46) C545 3-Nitroaniline	10.90	138	299557	82.48	ng	89
47) C555 2,4-Dinitrophenol	11.06	184	124806	114.67	ng	87
48) C565 Dibenzofuran	11.23	168	1551049	78.72	ng	92
49) C570 2,4-Dinitrotoluene	11.25	165	437517	92.30	ng	# 1
50) C560 4-Nitrophenol	11.30	109	115404	39.90	ng	# 1
51) C590 Fluorene	11.73	166	1369179	84.98	ng	100
52) C585 4-Chlorophenyl-phenyl	11.75	204	655601	83.63	ng	90
53) C580 Diethylphthalate	11.63	149	1439866	90.76	ng	98
54) C620 1,2 diphenylhydrazine	11.97	77	1742338	82.79	ng	94
55) C595 4-Nitroaniline	11.80	138	313773	87.30	ng	# 73
57) C610 4,6-Dinitro-2-methylp	11.83	198	256977	109.96	ng	100
58) C615 n-Nitrosodiphenylamin	11.92	169	712452	58.19	ng	98
60) C625 4-Bromophenyl-phenyle	12.39	248	387302	86.58	ng	98
61) C630 Hexachlorobenzene	12.44	284	373632	84.03	ng	96
62) C635 Pentachlorophenol	12.70	266	191075	114.69	ng	98
63) C640 Phenanthrene	12.94	178	2158967	86.94	ng	100
64) C645 Anthracene	13.00	178	2184065	87.78	ng	99
65) C647 carbazole	13.20	167	2098084	91.00	ng	96
66) C650 Di-n-butylphthalate	13.59	149	2460491	88.82	ng	98
67) C655 Fluoranthene	14.20	202	2552302	85.14	ng	97
69) C715 Pyrene	14.42	202	2650577	90.26	ng	94
70) C710 benzidine	14.36	184	5311	2.49	ng	98
72) C720 Butylbenzylphthalate	15.03	149	1177671	92.81	ng	90
73) C725 3,3'-Dichlorobenzidini	15.50	252	430697	47.47	ng	96
74) C730 Benzo[a]anthracene	15.52	228	2477222	91.74	ng	98
75) C735 Chrysene	15.56	228	2442186	90.08	ng	97
76) C740 bis(2-Ethylhexyl)phth	15.52	149	1652960	95.14	ng	99
77) C760 Di-n-octylphthalate	16.08	149	3083205	95.91	ng	99
79) C765 Benzo[b]fluoranthene	16.50	252	2815259	95.00	ng	97
80) C770 Benzo[k]fluoranthene	16.52	252	2247196	78.01	ng	96
81) C775 Benzo[a]pyrene	16.82	252	2398969	88.35	ng	95
82) C780 Indeno[1,2,3-cd]pyren	18.09	276	2734491	100.46	ng	85
83) C785 Dibenz[a,h]anthracene	18.10	278	2235320	95.46	ng	96
84) C790 Benzo[g,h,i]perylene	18.44	276	2324622	100.43	ng	91

(#) = qualifier out of range (m) = manual integration
U11068.D 8270E.M Thu Mar 16 07:32:17 2006

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146/419

Client No.

Lab Name: STL Buffalo

Contract: _____

GW-22-0306

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A6258102D

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: U11084.RR

Level: (low/med) LOW

Date Samp/Recv: 03/09/2006 03/10/2006

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 03/15/2006

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/16/2006

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
98-95-3-----	Nitrobenzene		66	

FORM I - GC/MS BINA

Quantitation Report (Not Reviewed)

147/419

Data File : C:\MSDCHEM\1\DATA\031606\U11084.D

Vial: 4

Acq On : 16 Mar 2006 14:42

Operator: MD

Sample : A6258102D AW60016039

Inst : HP5973U

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Mar 17 7:24 2006

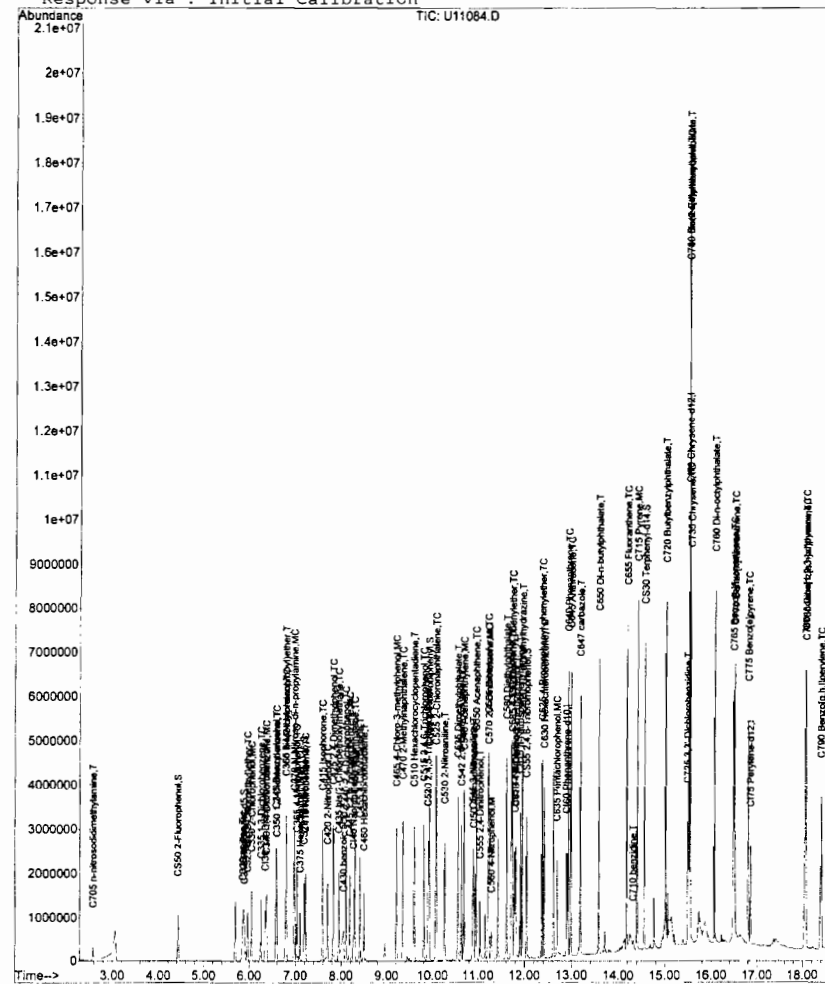
Quant Results File: 8270E.RES

Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration



U11084.D 8270E.M

Fri Mar 17 07:24:30 2006

Page 3

Quantitation Report

148/419

Data File : C:\MSDCHEM\1\DATA\031606\U11084.D
Acq On : 16 Mar 2006 14:42
Sample : A6258102D AW60016039
Misc :

Vial: 4
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:29 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

IS QA File : C:\MSDCHEM\1\DATA\031606\U11081.D (16 Mar 2006 13:29)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)	Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.34	152	192883	40.00 ng	0.00	
					106.15%	
20) CI40 Naphthalene-d8	8.26	136	790199	40.00 ng	0.00	
					109.01%	
35) CI50 Acenaphthene-d8	10.90	164	508071	40.00 ng	0.00	
					105.75%	
56) CI60 Phenanthrene-d10	12.89	188	862367	40.00 ng	0.00	
					102.85%	
68) CI70 Chrysene-d12	15.52	240	896488	40.00 ng	0.00	
					106.69%	
78) CI75 Perylene-d12	16.85	264	867954	40.00 ng	0.00	
					104.78%	

System Monitoring Compounds

3) CS50 2-Fluorophenol	4.43	112	381347	46.94 ng	0.00	
Spiked Amount	150.000	Range	21 - 110	Recovery	=	31.29%
5) CS45 Phenol-d5	5.87	99	421047	40.42 ng	0.00	
Spiked Amount	150.000	Range	10 - 110	Recovery	=	26.95%
6) CS70 2-chlorophenol-d4	6.04	132	342	0.04 ng	0.02	
Spiked Amount	150.000	Range	33 - 110	Recovery	=	0.03%#
12) CS75 1,2-dichlorobenzene-d	0.00	152	0	0.00 ng		
Spiked Amount	100.000	Range	16 - 110	Recovery	=	0.00%#
21) CS20 Nitrobenzene-d5	7.18	82	705867	64.31 ng	0.00	
Spiked Amount	100.000	Range	34 - 114	Recovery	=	64.31%
39) CS25 2-Fluorobiphenyl	9.91	172	1287133	71.60 ng	0.00	
Spiked Amount	100.000	Range	43 - 116	Recovery	=	71.60%
59) CS55 2,4,6-Tribromophenol	12.05	330	290207	135.88 ng	0.00	
Spiked Amount	150.000	Range	10 - 123	Recovery	=	90.59%
71) CS30 Terphenyl-d14	14.56	244	1929031	90.79 ng	0.00	
Spiked Amount	100.000	Range	33 - 141	Recovery	=	90.79%

Target Compounds

	R.T.	QIon	Response	Conc Units	Qvalue
2) C705 n-nitrosodidimethylam	2.58	74	183809	36.36 ng	80
4) C325 bis(2-Chloroethyl)eth	5.96	93	497101	62.47 ng	89
7) C315 Phenol	5.89	94	315267	28.41 ng	99
8) C330 2-Chlorophenol	6.05	128	441012	60.98 ng	99
9) C320 aniline	5.85	93	432800	19.81 ng	74
10) C335 1,3-Dichlorobenzene	6.25	146	366014	45.38 ng	97
11) C340 1,4-Dichlorobenzene	6.37	146	383980	47.03 ng	96
13) C350 1,2-Dichlorobenzene	6.59	146	368244	49.81 ng	98
14) C345 Benzyl alcohol	6.57	108	371682	40.92 ng	# 80
15) C360 bis(2-chloroisopropyl	6.78	45	606352	59.44 ng	# 1
16) C355 2-Methylphenol	6.79	108	455266	62.69 ng	96
17) C375 Hexachloroethane	7.10	117	141061	42.88 ng	96
18) C370 N-Nitroso-di-n-propyl	6.98	70	506369	75.05 ng	89
19) C365 4-Methylphenol	7.03	108	473981	61.28 ng	99
22) C410 Nitrobenzene	7.22	77	759429	68.43 ng	92
23) C415 Isophorone	7.58	82	1375692	76.12 ng	94
24) C430 benzoic acid	8.04	122	372164	156.15 ng	86
25) C420 2-Nitrophenol	7.70	139	279527	73.13 ng	82
26) C425 2,4-Dimethylphenol	7.82	107	738017	80.04 ng	85

(#) = qualifier out of range (m) = manual integration
U11084.D 8270E.M Fri Mar 17 07:24:30 2006

Page 1

Quantitation Report

149/419

Data File : C:\MSDCHEM\1\DATA\031606\U11084.D
Acq On : 16 Mar 2006 14:42
Sample : A6258102D AW60016039
Misc :

Vial: 4
Operator: MD
Inst : HP5973U
Multiplr: 1.00

MS Integration Params: rteint.p
Quant Time: Mar 17 07:24:29 2006

Quant Results File: 8270E.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270E.M (RTE Integrator)

Title : 8270 BNA Calibration with EPC

Last Update : Thu Mar 16 13:51:27 2006

Response via : Initial Calibration

DataAcq Meth : 8270E

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C435 bis(2-Chloroethoxy)me	7.94	93	685413	73.24 ng	97
28) C440 2,4-Dichlorophenol	8.10	162	522070	82.96 ng	97
29) C445 1,2,4-Trichlorobenzen	8.18	180	382968	57.80 ng	99
30) C450 Naphthalene	8.30	128	1358716	63.43 ng	97
31) C455 4-Chloroaniline	8.40	127	683652	81.48 ng	97
32) C460 Hexachlorobutadiene	8.49	225	208418	50.98 ng	100
33) C465 4-Chloro-3-methylphen	9.21	107	720311	92.90 ng	86
34) C470 2-Methylnaphthalene	9.35	142	998200	69.93 ng	96
36) C510 Hexachlorocyclopentad	9.58	237	248717	51.67 ng	99
37) C515 2,4,6-Trichlorophenol	9.80	196	429944	91.08 ng	99
38) C520 2,4,5-Trichlorophenol	9.89	196	477806	96.06 ng	99
40) C525 2-Chloronaphthalene	10.07	162	1072321	75.55 ng	99
41) C530 2-Nitroaniline	10.26	65	590775	98.95 ng	88
42) C540 Acenaphthylene	10.69	152	1829215	82.32 ng	98
43) C535 Dimethylphthalate	10.55	163	1673723	95.36 ng	99
44) C542 2,6-Dinitrotoluene	10.64	165	366257	97.87 ng	86
45) C550 Acenaphthene	10.95	153	1133836	83.07 ng	97
46) C545 3-Nitroaniline	10.88	138	370586	95.88 ng	# 84
47) C555 2,4-Dinitrophenol	11.04	184	193350	145.29 ng	# 79
48) C565 Dibenzofuran	11.21	168	1727896	82.41 ng	91
49) C570 2,4-Dinitrotoluene	11.23	165	509212	100.94 ng	# 1
50) C560 4-Nitrophenol	11.28	109	143125	46.50 ng	# 1
51) C590 Fluorene	11.71	166	1532970	89.41 ng	98
52) C585 4-Chlorophenyl-phenyl	11.74	204	747160	89.56 ng	96
53) C580 Diethylphthalate	11.61	149	1674559	99.19 ng	100
54) C620 1,2 diphenylhydrazine	11.94	77	1933517	86.33 ng	95
55) C595 4-Nitroaniline	11.78	138	385594	100.82 ng	# 67
57) C610 4,6-Dinitro-2-methylp	11.80	198	330029	124.82 ng	100
58) C615 n-Nitrosodiphenylamin	11.90	169	815096	61.08 ng	97
60) C625 4-Bromophenyl-phenyle	12.37	248	436468	89.52 ng	92
61) C630 Hexachlorobenzene	12.42	284	427680	88.25 ng	96
62) C635 Pentachlorophenol	12.69	266	208999	115.09 ng	97
63) C640 Phenanthrene	12.92	178	2424767	89.59 ng	98
64) C645 Anthracene	12.98	178	2480886	91.48 ng	98
65) C647 carbazole	13.18	167	2378320	94.64 ng	96
66) C650 Di-n-butylphthalate	13.57	149	2839088	94.03 ng	98
67) C655 Fluoranthene	14.18	202	2900713	88.78 ng	96
69) C715 Pyrene	14.40	202	2981549	97.94 ng	93
70) C710 benzidine	14.32	184	11327	3.10 ng	85
72) C720 Butylbenzylphthalate	15.01	149	1343065	102.10 ng	96
73) C725 3,3'-Dichlorobenzidin	15.48	252	524744	55.35 ng	95
74) C730 Benzo[a]anthracene	15.51	228	2751216	98.28 ng	99
75) C335 Chrysene	15.54	228	2626831	93.46 ng	98
76) C740 bis(2-Ethylhexyl)phth	15.51	149	1901328	105.56 ng	99
77) C760 Di-n-octylphthalate	16.06	149	3325412	99.78 ng	99
79) C765 Benzo[b]fluoranthene	16.47	252	2658660	91.93 ng	95
80) C770 Benzo[k]fluoranthene	16.50	252	2518758	89.59 ng	97
81) C775 Benzo[a]pyrene	16.80	252	2468297	93.15 ng	96
82) C780 Indeno[1,2,3-cd]pyren	18.06	276	2917882	109.85 ng	84
83) C785 Dibenz[a,h]anthracene	18.07	278	2453274	107.35 ng	96
84) C790 Benzo[g,h,i]perylene	18.40	276	2457653	108.80 ng	92

(#) = qualifier out of range (m) = manual integration
U11084.D 8270E.M Fri Mar 17 07:24:30 2006

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NYL Buffalo
Date: 03/20/2006
Time: 13:44:28

Organic Prep Log Book
(3510C) 8270 MATERS
AGB15209 (Closed)

Rept: AN0501

Surrogate Amount: 1000.00 ul

Matrix Spike Amount: 1000.00 ul

Date Ext/Initials: 03/15/2006 MW

Date Cleanup/Initials:

Extraction Type: SEPP or CLE (circle one)

AQUEOUS EXTRACTIONS

Date Conc/Initials: 03/15/2006 MW

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (mL)	Final Volume (mL)
A06-2581	A6258101RE	B	RE	AW60016037	TCL EN	SW8463	8270	A00001			10.00	1030.0000	1.00
A06-2581	A6258102C	B	MSRE	AW60016038	TCL EN	SW8463	8270	A00001	A00193		7.00	1030.0000	1.00
A06-2581	A6258102D	B	MSRE	AW60016039	TCL EN	SW8463	8270	A00001	A00193		7.00	1030.0000	1.00
A06-2581	A6258102DE	B	FDRE	AW60016040	TCL EN	SW8463	8270	A00001			7.00	1020.0000	1.00
A06-2581	A6258102RE	B	RE	AW60016041	TCL EN	SW8463	8270	A00001			7.00	1030.0000	1.00
A06-2581	A6258103RE	B	RE	AW60016042	TCL EN	SW8463	8270	A00001			7.00	1040.0000	1.00
A06-2581	A6258104RE	B	RE	AW60016043	TCL EN	SW8463	8270	A00001			7.00	1030.0000	1.00
A06-2581	A6258105RE	B	RE	AW60016044	TCL EN	SW8463	8270	A00001			7.00	1040.0000	1.00
AGB15209	AGB1520901		MSB	AW60016045	TCL EN	SW8463	8270	A00001	A00193		5.00	1000.0000	1.00
AGB15209	AGB1520902		MELK	AW60016046	TCL EN	SW8463	8270	A00001			5.00	1000.0000	1.00

Comments:

150/419

NYL Buffalo
Date: 03/14/2006
Time: 18:18:39

Organic Prep Log Book
(3510C) 8270 MATERS
AGB15209

Rept: AN0501

SURROGATE A01

Expiration Date: 9-1-06

Prepared by: SZ

Witnessed by: AS

Date Ext/Initials: 3-15-06 MW

MATRIX SPIKE A113

Expiration Date: 6-23-06

Prepared by: SZ

Witnessed by: AS

1000.00 ul

1000.00 ul

MeCl2: COSOLR
Acetone:
Hexane:
Na2SO4:
1:1 H2SO4:
10 N NaOH: 5.018

Date Cleanup/Initials:

Extraction Type: SEPP or CLE (circle one)

AQUEOUS EXTRACTIONS

Date Conc/Initials:

3-15-06 MW

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (mL)	Final Volume (mL)
A06-2581	A6258101RE	B	RE	AW60016037	TCL EN	SW8463	8270	A00001			10	1030	1.0
A06-2581	A6258102C		MSRE	AW60016038	TCL EN	SW8463	8270	A00001	A00193		7		
A06-2581	A6258102D		MSRE	AW60016039	TCL EN	SW8463	8270	A00001	A00193			1020	
A06-2581	A6258102DE		FDRE	AW60016040	TCL EN	SW8463	8270	A00001				1030	
A06-2581	A6258102RE		RE	AW60016041	TCL EN	SW8463	8270	A00001				1040	
A06-2581	A6258103RE		RE	AW60016042	TCL EN	SW8463	8270	A00001				1030	
A06-2581	A6258104RE		RE	AW60016043	TCL EN	SW8463	8270	A00001				1040	
A06-2581	A6258105RE		RE	AW60016044	TCL EN	SW8463	8270	A00001				1000	
AGB15209	AGB1520901		MSB	AW60016045	TCL EN	SW8463	8270	A00001	A00193		5		
AGB15209	AGB1520902		MELK	AW60016046	TCL EN	SW8463	8270	A00001			5		

Comments:

Gas flow checked. AS 3-15-06

relg 1435 AS 3-15-06

151/419

[illegible]REVIEWED BY —

SEVERN TRENT LABORATORIES

000002

[illegible]

GCMS SEMIVOLATILE INJECTION LOG

DATE	TIME	ANALYST	FRN	SAMPLE ID#	VIAL #/Standard #	# JOB #	IN.VOL	F.V.	DF	NG I.S.	I.S. I.D.
08/15/04	1214	NJO	U11043	TEL 11043	TEL 11043 (91043)	---	1.0ul	---	---	---	---
	1238		U11044	SST1045	TEL 11045 (91045)	---	---	---	---	---	---
	1302		U11045	SST1045	TEL 11045 (91045)	---	---	---	---	---	---
	1326		U11046	SST1046	TEL 11046 (91046)	---	---	---	---	---	---
	1350		U11047	SST1047	---	---	---	---	---	---	---
	1412		U11048	DEF10051	SC23-7Q	---	---	---	---	---	---
	1438		U11049	SST1050	SC23-7Q	---	---	---	---	---	---
	1452		U11050	SST1050	SC23-7Q	---	---	---	---	---	---
	1516		U11051	ALC1051	TEL 11051 (91051)	---	---	---	---	---	---
	1540		U11052	---	---	2491	1.0ul	---	40	SC25-B	---
	1604		U11053	---	---	---	---	---	---	---	---
	1628		U11054	---	---	---	---	---	---	---	---
	1652		U11055	---	---	---	---	---	---	---	---
	1716		U11056	---	---	---	---	---	---	---	---
	1740		U11057	---	---	---	---	---	---	---	---
	1804		U11058	---	---	---	---	---	---	---	---
	1828		U11059	---	---	---	---	---	---	---	---
	1916		U11060	---	---	---	---	---	---	---	---
	1940		U11061	---	---	---	---	---	---	---	---
	2003		U11062	---	---	---	---	---	---	---	---
	2027		U11063	---	---	---	---	---	---	---	---
	2051		U11064	---	---	---	---	---	---	---	---
	2115		U11065	---	---	---	---	---	---	---	---
	2139		U11066	---	---	---	---	---	---	---	---
	2203		U11067	---	---	---	---	---	---	---	---
			U11068	---	---	---	---	---	---	---	---

SEVERN TRENT LABORATORIES

000004

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GCMS SEMIVOLATILE INJECTION LOG

DATE	TIME	ANALYST	FRN	SAMPLE ID#	VIAL #/Standard #	# JOB #	IN.VOL	F.V.	DF	NG I.S.	I.S. I.D.
08/15/04	1214	NJO	U11043	TEL 11043	TEL 11043 (91043)	---	1.0ul	---	---	---	---
	1238		U11044	SST1045	TEL 11045 (91045)	---	---	---	---	---	---
	1302		U11045	SST1045	TEL 11045 (91045)	---	---	---	---	---	---
	1326		U11046	SST1046	TEL 11046 (91046)	---	---	---	---	---	---
	1350		U11047	SST1047	---	---	---	---	---	---	---
	1412		U11048	DEF10051	SC23-7Q	---	---	---	---	---	---
	1438		U11049	SST1050	SC23-7Q	---	---	---	---	---	---
	1452		U11050	SST1050	SC23-7Q	---	---	---	---	---	---
	1516		U11051	ALC1051	TEL 11051 (91051)	---	---	---	---	---	---
	1540		U11052	---	---	2491	1.0ul	---	40	SC25-B	---
	1604		U11053	---	---	---	---	---	---	---	---
	1628		U11054	---	---	---	---	---	---	---	---
	1652		U11055	---	---	---	---	---	---	---	---
	1716		U11056	---	---	---	---	---	---	---	---
	1740		U11057	---	---	---	---	---	---	---	---
	1804		U11058	---	---	---	---	---	---	---	---
	1828		U11059	---	---	---	---	---	---	---	---
	1916		U11060	---	---	---	---	---	---	---	---
	1940		U11061	---	---	---	---	---	---	---	---
	2003		U11062	---	---	---	---	---	---	---	---
	2027		U11063	---	---	---	---	---	---	---	---
	2051		U11064	---	---	---	---	---	---	---	---
	2115		U11065	---	---	---	---	---	---	---	---
	2139		U11066	---	---	---	---	---	---	---	---
	2203		U11067	---	---	---	---	---	---	---	---
			U11068	---	---	---	---	---	---	---	---

DATE

000005

GCMS SEMIVOLATILE INJECTION LOG

DATE	TIME	ANALYST	FRN	SAMPLE ID	VIAL #/Standard #	JOB #	INJ VOL	FV	DF	NG I.S.	I.S. ID.
03/16/06	0823	MD	U11069	DETP085	SC23-70	---	2.0uL	---	---	---	---
	0840		U11070	SST080	625 (03/19/06)	---	---	---	---	---	---
	0905		U11071	080	---	---	---	---	---	---	---
	0930		U11072	160	---	---	---	---	---	---	---
	0955		U11073	CHECK080	ANALIS (11/04/06)	---	---	---	---	---	---
	1020		U11074	MSB	AU100011080	2052581	---	---	---	---	---
	1046		U11075	SOALX43	81	---	---	---	---	---	---
	1111		U11076	AL2551018E	82	2551	---	---	---	---	---
	1136		U11077	AL269701	AU100011077	2697	---	---	---	---	---
	1201		U11078	01MS	78	---	---	---	---	---	---
	1226		U11079	0150	79	---	---	---	---	---	---
	1312		U11080	DETP080	SC23-70	---	1.0	---	---	---	---
	1339		U11081	SST080	SA10A (03/23/06)	2552581	---	---	---	---	---
	1354		U11082	MSB	AU100015841	2552581	---	---	---	---	---
	1418		U11083	MSB	AU100016084	2697	---	---	---	---	---
	1442		U11084	AL2551080	AU100011082	---	---	---	---	---	---
	1506		U11085	02F08E	40	---	---	---	---	---	---
	1530		U11086	03BE	41	---	---	---	---	---	---
	1554		U11087	03BE	42	---	---	---	---	---	---
	1618		U11088	04BE	43	---	---	---	---	---	---
	1642		U11089	05BE	44	---	---	---	---	---	---
	1706		U11090	MSB	AU100016084	2697	---	---	---	---	---
	1730		U11091	SOALX44	85	---	---	---	---	---	---
	1754		U11092	AL269701	AU100011083	2697	---	---	---	---	---
	1818		U11093	02	64	---	---	---	---	---	---
	1841		U11094	03	65	---	---	---	---	---	---
	1905		U11095	04	66	---	---	---	---	---	---
	1929		U11096	05	67	---	---	---	---	---	---
	1953		U11097	05MS	68	---	---	---	---	---	---
	2017		U11098	0550	69	---	---	---	---	---	---
	2041		U11099	0550	70	---	---	---	---	---	---
	2105		U11100	0550	71	---	---	---	---	---	---
	2129		U11101	0550	72	---	---	---	---	---	---
	2153		U11102	AL269701	73	2697	---	---	---	---	---
	2217		U11103	02	74	---	---	---	---	---	---

SEVERN TRENT LABORATORIES

000006

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GCMS SEMIVOLATILE INJECTION LOG

DATE	TIME	ANALYST	FRN	SAMPLE ID	VIAL #/Standard #	JOB #	INJ VOL	FV	DF	NG I.S.	I.S. ID.
03/16/06	0823	MD	U11069	DETP085	SC23-70	---	2.0uL	---	---	---	---
	0840		U11070	SST080	625 (03/19/06)	---	---	---	---	---	---
	0905		U11071	080	---	---	---	---	---	---	---
	0930		U11072	160	---	---	---	---	---	---	---
	0955		U11073	CHECK080	ANALIS (11/04/06)	---	---	---	---	---	---
	1020		U11074	MSB	AU100011080	2052581	---	---	---	---	---
	1046		U11075	SOALX43	81	---	---	---	---	---	---
	1111		U11076	AL2551018E	82	2551	---	---	---	---	---
	1136		U11077	AL269701	AU100011077	2697	---	---	---	---	---
	1201		U11078	01MS	78	---	---	---	---	---	---
	1226		U11079	0150	79	---	---	---	---	---	---
	1312		U11080	DETP080	SC23-70	---	1.0	---	---	---	---
	1339		U11081	SST080	SA10A (03/23/06)	2552581	---	---	---	---	---
	1354		U11082	MSB	AU100015841	2552581	---	---	---	---	---
	1418		U11083	MSB	AU100016084	2697	---	---	---	---	---
	1442		U11084	AL2551080	AU100011082	---	---	---	---	---	---
	1506		U11085	02F08E	40	---	---	---	---	---	---
	1530		U11086	03BE	41	---	---	---	---	---	---
	1554		U11087	03BE	42	---	---	---	---	---	---
	1618		U11088	04BE	43	---	---	---	---	---	---
	1642		U11089	05BE	44	---	---	---	---	---	---
	1706		U11090	MSB	AU100016084	2697	---	---	---	---	---
	1730		U11091	SOALX44	85	---	---	---	---	---	---
	1754		U11092	AL269701	AU100011083	2697	---	---	---	---	---
	1818		U11093	02	64	---	---	---	---	---	---
	1841		U11094	03	65	---	---	---	---	---	---
	1905		U11095	04	66	---	---	---	---	---	---
	1929		U11096	05	67	---	---	---	---	---	---
	1953		U11097	05MS	68	---	---	---	---	---	---
	2017		U11098	0550	69	---	---	---	---	---	---
	2041		U11099	0550	70	---	---	---	---	---	---
	2105		U11100	0550	71	---	---	---	---	---	---
	2129		U11101	0550	72	---	---	---	---	---	---
	2153		U11102	AL269701	73	2697	---	---	---	---	---
	2217		U11103	02	74	---	---	---	---	---	---

T-0715

T-1216

COMMENTS

T-0715

C-2857

- wrong sample injected

DATE

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Metals Data

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COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

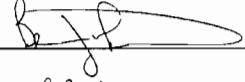
Contract: NY05-276 SDG No.: A06-2581
Lab Code: STLBFLO Case No.: _____ SAS No.: _____
SOW No.: _____

<u>Sample ID.</u>	<u>Lab Sample No.</u>
<u>GW-18R-0306</u>	<u>A6258103</u>
<u>GW-19-0306</u>	<u>A6258101</u>
<u>GW-21-0306</u>	<u>A6258105</u>
<u>GW-22-0306</u>	<u>A6258102</u>
<u>GW-22-0306\FD</u>	<u>A6258102FD</u>
<u>GW-22-0306\MS</u>	<u>A6258102MS</u>
<u>GW-22-0306\SD</u>	<u>A6258102SD</u>
<u>GW-23-0306</u>	<u>A6258104</u>

Were ICP interelement corrections applied? Yes/No YES
Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:  Name: Brian Fischer
Date: 3-23-06 Title: Project Manager

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 INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-18R-0306

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611114

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14900	N		P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	41.0			P
7440-39-3	Barium	262			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	303000			P
7440-47-3	Chromium	21.7			P
7440-48-4	Cobalt	8.3			P
7440-50-8	Copper	32.1			P
7439-89-6	Iron	19100	N		P
7439-92-1	Lead	95.7	N		P
7439-95-4	Magnesium	55800			P
7439-96-5	Manganese	1220			P
7440-02-0	Nickel	20.8			P
7440-09-7	Potassium	20700			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	18200			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	34.0			P
7440-66-6	Zinc	362	N*		P

Color Before: BROWN Clarity Before: CLOUDY Texture: NONE

Color After: YELLOW Clarity After: PREC/CL Artifacts:

Comments:

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 INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-19-0306

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611109

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1950	N		P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	32.8			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	78200			P
7440-47-3	Chromium	36.4			P
7440-48-4	Cobalt	4.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	656	N		P
7439-92-1	Lead	5.0	U	N	P
7439-95-4	Magnesium	700			P
7439-96-5	Manganese	17.7			P
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium	294000			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	20100			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	16.4			P
7440-66-6	Zinc	16.2	N*		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: NONE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-21-0306

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611116

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U	N	P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	40.2			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	32600			P
7440-47-3	Chromium	4.0	U		P
7440-48-4	Cobalt	4.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	231		N	P
7439-92-1	Lead	5.0	U	N	P
7439-95-4	Magnesium	5260			P
7439-96-5	Manganese	6.8			P
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium	15700			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	10900			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	5.0	U		P
7440-66-6	Zinc	13.0		N*	P

Color Before: COLORLESS Clarity Before: CLEAR Texture: NONE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-22-0306

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611110

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8560		N	P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	213			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	309000			P
7440-47-3	Chromium	17.5			P
7440-48-4	Cobalt	5.6			P
7440-50-8	Copper	65.4			P
7439-89-6	Iron	19800		N	P
7439-92-1	Lead	173		N	P
7439-95-4	Magnesium	83900			P
7439-96-5	Manganese	1160			P
7440-02-0	Nickel	19.6			P
7440-09-7	Potassium	38300			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	60900			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	16.0			P
7440-66-6	Zinc	187		N*	P

Color Before: BROWN Clarity Before: CLOUDY Texture: NONE

Color After: YELLOW Clarity After: PREC/CL Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-22-0306\FD

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611111

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5770		N	P
7440-36-0	Antimony	20.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	181			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	296000			P
7440-47-3	Chromium	11.6			P
7440-48-4	Cobalt	4.0	U		P
7440-50-8	Copper	47.0			P
7439-89-6	Iron	14900	N		P
7439-92-1	Lead	107	N		P
7439-95-4	Magnesium	79100			P
7439-96-5	Manganese	1050			P
7440-02-0	Nickel	14.8			P
7440-09-7	Potassium	37600			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	60400			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	10.2			P
7440-66-6	Zinc	125	N*		P

Color Before: BROWN Clarity Before: CLOUDY Texture: NONE

Color After: YELLOW Clarity After: PREC/CL Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GW-23-0306

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Lab Sample ID: AD611115

Level (low/med): LOW

Date Received: 3/10/2006

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1780		N	P
7440-36-0	Antimony	40.9			P
7440-38-2	Arsenic	16.8			P
7440-39-3	Barium	306			P
7440-41-7	Beryllium	2.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	230000			P
7440-47-3	Chromium	7.2			P
7440-48-4	Cobalt	4.0	U		P
7440-50-8	Copper	82.6			P
7439-89-6	Iron	12400	N		P
7439-92-1	Lead	69.1	N		P
7439-95-4	Magnesium	57600			P
7439-96-5	Manganese	972			P
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium	61300			P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	38300			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	5.0			P
7440-66-6	Zinc	163	N*		P

Color Before: BROWN Clarity Before: CLOUDY Texture: NONE

Color After: YELLOW Clarity After: PREC/CL Artifacts:

Comments:

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-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY05-276

Lab Code: STLBFL0 Case No.: SAS No.: SDG NO.: A06-2581

Initial Calibration Source: HIGH PURITY

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	18750.0	19101.76	101.9	25000.0	25816.87	103.3	25640.91	102.6	P
Antimony	375.0	386.45	103.1	500.0	527.41	105.5	516.35	103.3	P
Arsenic	375.0	372.97	99.5	500.0	507.54	101.5	503.00	100.6	P
Barium	375.0	373.28	99.5	500.0	523.24	104.6	525.21	105.0	P
Beryllium	375.0	379.69	101.3	500.0	510.03	102.0	506.25	101.2	P
Cadmium	375.0	373.28	99.5	500.0	498.15	99.6	493.34	98.7	P
Calcium	18750.0	19192.35	102.4	25000.0	26159.97	104.6	25959.37	103.8	P
Chromium	375.0	378.25	100.9	500.0	499.26	99.9	494.31	98.9	P
Cobalt	375.0	375.27	100.1	500.0	497.28	99.5	491.81	98.4	P
Copper	375.0	393.01	104.8	500.0	534.94	107.0	532.26	106.5	P
Iron	18750.0	18948.51	101.1	25000.0	24991.19	100.0	24715.03	98.9	P
Lead	375.0	378.40	100.9	500.0	507.82	101.6	503.78	100.8	P
Magnesium	18750.0	19116.89	102.0	25000.0	25543.25	102.2	25326.49	101.3	P
Manganese	375.0	384.56	102.5	500.0	507.02	101.4	501.58	100.3	P
Nickel	375.0	382.68	102.0	500.0	515.42	103.1	511.06	102.2	P
Potassium	18750.0	18873.24	100.7	25000.0	25594.76	102.4	25334.98	101.3	P
Selenium	375.0	378.29	100.9	500.0	518.40	103.7	510.89	102.2	P
Silver	375.0	373.07	99.5	500.0	510.52	102.1	509.22	101.8	P
Sodium	18750.0	19182.35	102.3	25000.0	25884.70	103.5	25474.83	101.9	P
Thallium	375.0	390.89	104.2	500.0	516.81	103.4	519.15	103.8	P
Vanadium	375.0	380.74	101.5	500.0	510.46	102.1	506.67	101.3	P
Zinc	375.0	376.72	100.5	500.0	498.98	99.8	494.13	98.8	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL BUFFALO

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MACTEC Engineering & Consultants

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY05-276

Lab Code: STLBFL0 Case No.: SAS No.: SDG NO.: A06-2581

Initial Calibration Source: HIGH PURITY

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				25000.0	25861.34	103.4	26205.74	104.8	P
Antimony				500.0	515.78	103.2	529.26	105.9	P
Arsenic				500.0	506.35	101.3	516.93	103.4	P
Barium				500.0	528.58	105.7	536.81	107.4	P
Beryllium				500.0	507.03	101.4	511.85	102.4	P
Cadmium				500.0	494.33	98.9	504.71	100.9	P
Calcium				25000.0	26020.21	104.1	26551.65	106.2	P
Chromium				500.0	495.35	99.1	500.26	100.1	P
Cobalt				500.0	493.73	98.7	500.27	100.1	P
Copper				500.0	534.89	107.0	538.36	107.7	P
Iron				25000.0	24808.61	99.2	25054.67	100.2	P
Lead				500.0	503.26	100.7	514.97	103.0	P
Magnesium				25000.0	25305.11	101.2	25815.60	103.3	P
Manganese				500.0	503.48	100.7	506.66	101.3	P
Nickel				500.0	511.52	102.3	519.84	104.0	P
Potassium				25000.0	25636.92	102.5	26108.87	104.4	P
Selenium				500.0	513.19	102.6	523.76	104.8	P
Silver				500.0	512.02	102.4	513.37	102.7	P
Sodium				25000.0	26012.26	104.0	26399.38	105.6	P
Thallium				500.0	522.17	104.4	528.23	105.6	P
Vanadium				500.0	508.71	101.7	512.56	102.5	P
Zinc				500.0	494.59	98.9	509.63	101.9	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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STL BUFFALO

MACTEC Engineering & Consultants
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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY05-276

Lab Code: STLBFL0 Case No.: SAS No.: SDG NO.: A06-2581

Initial Calibration Source: HIGH PURITY

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				25000.0	26055.19	104.2	25959.00	103.8	P
Antimony				500.0	531.06	106.2	527.91	105.6	P
Arsenic				500.0	518.69	103.7	510.89	102.2	P
Barium				500.0	534.30	106.9	527.49	105.5	P
Beryllium				500.0	509.73	101.9	507.50	101.5	P
Cadmium				500.0	502.80	100.6	501.39	100.3	P
Calcium				25000.0	26411.76	105.6	26226.49	104.9	P
Chromium				500.0	499.31	99.9	498.45	99.7	P
Cobalt				500.0	499.49	99.9	497.91	99.6	P
Copper				500.0	536.34	107.3	533.31	106.7	P
Iron				25000.0	25014.55	100.1	24978.82	99.9	P
Lead				500.0	512.26	102.5	510.82	102.2	P
Magnesium				25000.0	25797.37	103.2	25721.04	102.9	P
Manganese				500.0	506.51	101.3	506.64	101.3	P
Nickel				500.0	519.92	104.0	516.07	103.2	P
Potassium				25000.0	26039.02	104.2	26041.11	104.2	P
Selenium				500.0	520.27	104.1	517.64	103.5	P
Silver				500.0	512.04	102.4	508.52	101.7	P
Sodium				25000.0	26381.51	105.5	26286.63	105.1	P
Thallium				500.0	525.56	105.1	523.52	104.7	P
Vanadium				500.0	510.46	102.1	507.78	101.6	P
Zinc				500.0	508.13	101.6	505.28	101.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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STL BUFFALO

MACTEC Engineering & Consultants
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY05-276

Lab Code: STLBFL0 Case No.: SAS No.: SDG NO.: A06-2581

Initial Calibration Source: HIGH PURITY

Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				25000.0	25827.72	103.3			P
Antimony				500.0	525.39	105.1			P
Arsenic				500.0	510.93	102.2			P
Barium				500.0	520.51	104.1			P
Beryllium				500.0	504.69	100.9			P
Cadmium				500.0	500.96	100.2			P
Calcium				25000.0	26095.44	104.4			P
Chromium				500.0	496.77	99.4			P
Cobalt				500.0	498.01	99.6			P
Copper				500.0	529.03	105.8			P
Iron				25000.0	24962.40	99.8			P
Lead				500.0	507.82	101.6			P
Magnesium				25000.0	25689.23	102.8			P
Manganese				500.0	505.77	101.2			P
Nickel				500.0	515.56	103.1			P
Potassium				25000.0	25984.35	103.9			P
Selenium				500.0	515.08	103.0			P
Silver				500.0	504.51	100.9			P
Sodium				25000.0	26107.65	104.4			P
Thallium				500.0	525.18	105.0			P
Vanadium				500.0	505.46	101.1			P
Zinc				500.0	505.35	101.1			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL BUFFALO

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MACTEC Engineering & Consultants
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY05-276
Lab Code: STLBFO Case No.: SAS No.: SDG NO.: A06-2581
Initial Calibration Source: HIGH PURITY
Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.15	105.0	2.0	2.15	107.5	2.16	108.0	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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STL BUFFALO

MACTEC Engineering & Consultants
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY05-276
Lab Code: STLBFO Case No.: SAS No.: SDG NO.: A06-2581
Initial Calibration Source: HIGH PURITY
Continuing Calibration Source: HIGH PURITY

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury				2.0	2.16	109.0	2.12	106.0	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL BUFFALO

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MACTEC Engineering & Consultants
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: NY05-276

Lab Code: STLBFL0 Case No.: SAS No.: SDG No.: A06-2581

AA CRDL Standard Source:

ICP CRDL Standard Source: ULTRA

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial		Final		
				True	Found	%R	Found	%R
Aluminum				200.0	202.73	101.4		
Antimony				20.0	17.22	86.1		
Arsenic				10.0	13.62	136.2		
Barium				2.0	2.06	103.0		
Beryllium				2.0	2.05	102.5		
Cadmium				1.0	0.96	96.0		
Calcium				500.0	491.32	98.3		
Chromium				4.0	3.81	95.2		
Cobalt				4.0	4.06	101.5		
Copper				10.0	10.26	102.6		
Iron				50.0	57.76	115.5		
Lead				5.0	3.90	78.0		
Magnesium				200.0	200.32	100.2		
Manganese				3.0	3.04	101.3		
Nickel				10.0	9.71	97.1		
Potassium				500.0	429.90	86.0		
Selenium				15.0	8.29	55.3		
Silver				3.0	3.08	102.7		
Sodium				1000.0	1085.12	108.5		
Thallium				20.0	20.00	100.0		
Vanadium				5.0	5.18	103.6		
Zinc				20.0	20.06	100.3		

Comments:

Form II (Part 2) - IN

SW846 3RD ED.

STL BUFFALO

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MACTEC Engineering & Consultants
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: NY05-276

Lab Code: STLBFL0 Case No.: SAS No.: SDG No.: A06-2581

AA CRDL Standard Source:

ICP CRDL Standard Source: ULTRA

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial		Final		
				True	Found	%R	Found	%R
Mercury	0.2	0.10	50.0					

Comments:

Form II (Part 2) - IN

SW846 3RD ED.

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STL BUFFALO

MACTEC Engineering & Consultants

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BLANKS

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
		1	C	2	C	3	C			
Aluminum	200.0 U	200.0 U		200.0 U		200.0 U		200.000 U	P	P
Antimony	20.0 U	20.0 U		20.0 U		20.0 U		20.000 U	P	P
Arsenic	10.0 U	10.0 U		10.0 U		10.0 U		10.000 U	P	P
Barium	2.0 U	2.0 U		2.0 U		2.0 U		2.000 U	P	P
Beryllium	2.0 U	2.0 U		2.0 U		2.0 U		2.000 U	P	P
Cadmium	1.0 U	1.0 U		1.0 U		1.0 U		1.000 U	P	P
Calcium	500.0 U	500.0 U		500.0 U		500.0 U		500.000 U	P	P
Chromium	4.0 U	4.0 U		4.0 U		4.0 U		4.000 U	P	P
Cobalt	4.0 U	4.0 U		4.0 U		4.0 U		4.000 U	P	P
Copper	10.0 U	10.0 U		10.0 U		10.0 U		10.000 U	P	P
Iron	50.0 U	50.0 U		50.0 U		50.0 U		50.000 U	P	P
Lead	5.0 U	5.0 U		5.0 U		5.0 U		5.000 U	P	P
Magnesium	200.0 U	200.0 U		200.0 U		200.0 U		200.000 U	P	P
Manganese	3.0 U	3.0 U		3.0 U		3.0 U		3.000 U	P	P
Nickel	10.0 U	10.0 U		10.0 U		10.0 U		10.000 U	P	P
Potassium	500.0 U	500.0 U		500.0 U		500.0 U		500.000 U	P	P
Selenium	15.0 U	15.0 U		15.0 U		15.0 U		15.000 U	P	P
Silver	3.0 U	3.0 U		3.0 U		3.0 U		3.000 U	P	P
Sodium	1000.0 U	1000.0 U		1000.0 U		1000.0 U		1000.000 U	P	P
Thallium	20.0 U	20.0 U		20.0 U		20.0 U		20.000 U	P	P
Vanadium	5.0 U	5.0 U		5.0 U		5.0 U		5.000 U	P	P
Zinc	10.0 U	10.0 U		10.0 U		10.0 U		10.000 U	P	P

Comments:

Form III - IN

SW846 3RD ED.

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STL BUFFALO

MACTEC Engineering & Consultants

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BLANKS

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
		1	C	2	C	3	C			
Aluminum		200.0 U		200.0 U		200.0 U				P
Antimony		20.0 U		20.0 U		20.0 U				P
Arsenic		10.0 U		10.0 U		10.0 U				P
Barium		2.0 U		2.0 U		2.0 U				P
Beryllium		2.0 U		2.0 U		2.0 U				P
Cadmium		1.0 U		1.0 U		1.0 U				P
Calcium		500.0 U		500.0 U		500.0 U				P
Chromium		4.0 U		4.0 U		4.0 U				P
Cobalt		4.0 U		4.0 U		4.0 U				P
Copper		10.0 U		10.0 U		10.0 U				P
Iron		50.0 U		50.0 U		50.0 U				P
Lead		5.0 U		5.0 U		5.0 U				P
Magnesium		200.0 U		200.0 U		200.0 U				P
Manganese		3.0 U		3.0 U		3.0 U				P
Nickel		10.0 U		10.0 U		10.0 U				P
Potassium		500.0 U		500.0 U		500.0 U				P
Selenium		15.0 U		15.0 U		15.0 U				P
Silver		3.0 U		3.0 U		3.0 U				P
Sodium		1000.0 U		1000.0 U		1000.0 U				P
Thallium		20.0 U		20.0 U		20.0 U				P
Vanadium		5.0 U		5.0 U		5.0 U				P
Zinc		10.0 U		10.0 U		10.0 U				P

Comments:

Form III - IN

SW846 3RD ED.

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STL BUFFALO

MACTEC Engineering & Consultants

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BLANKS

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
		1	C	2	C	3	C			
Aluminum		200.0	U							P
Antimony		20.0	U							P
Arsenic		10.0	U							P
Barium		2.0	U							P
Beryllium		2.0	U							P
Cadmium		1.0	U							P
Calcium		500.0	U							P
Chromium		4.0	U							P
Cobalt		4.0	U							P
Copper		10.0	U							P
Iron		50.0	U							P
Lead		5.0	U							P
Magnesium		200.0	U							P
Manganese		3.0	U							P
Nickel		10.0	U							P
Potassium		500.0	U							P
Selenium		15.0	U							P
Silver		3.0	U							P
Sodium		1000.0	U							P
Thallium		20.0	U							P
Vanadium		5.0	U							P
Zinc		10.0	U							P

Comments:

Form III - IN

SW846 3RD ED.

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STL BUFFALO

MACTEC Engineering & Consultants

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BLANKS

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
		1	C	2	C	3	C			
Mercury	-0.2	-0.2		-0.2		-0.1		-0.305		CV

Comments:

Form III - IN

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STL BUFFALO

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MACTEC Engineering & Consultants

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BLANKS

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		
Mercury			-0.2							CV

Comments:

Form III - IN

SW846 3RD ED.

STL BUFFALO

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MACTEC Engineering & Consultants

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ICP INTERFERENCE CHECK SAMPLE

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

ICP ID Number: SUPERTRACE2

ICS Source: ULTRA

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Aluminum	500000	500000	513705	518862.4	103.8			
Antimony		600	3	614.1	102.4			
Arsenic		100	0	103.7	103.7			
Barium		500	12	515.4	103.1			
Beryllium		500	1	498.0	99.6			
Cadmium		1000	2	949.4	94.9			
Calcium	500000	500000	545795	545500.1	109.1			
Chromium		500	-13	481.4	96.3			
Cobalt		500	1	470.6	94.1			
Copper		500	2	517.8	103.6			
Iron	200000	100000	192728	96713.9	96.7			
Lead		50	0	51.0	102.0			
Magnesium	500000	500000	519491	508373.5	101.7			
Manganese		500	0	493.5	98.7			
Nickel		1000	1	936.3	93.6			
Potassium			-13	-9.5				
Selenium		50	-4	48.5	97.0			
Silver		200	0	213.9	107.0			
Sodium			-23	-98.0				
Thallium		100	3	105.0	105.0			
Vanadium		500	-1	498.2	99.6			
Zinc		1000	3	942.4	94.2			

Form IV - IN

SW846 3RD ED.

STL BUFFALO

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MACTEC Engineering & Consultants
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SPIKE SAMPLE RECOVERY

SAMPLE NO.

GW-22-0306\MS

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	13530.2002		8557.8096		10000.00	49.7	N	P
Antimony	75 - 125	214.9400		20.0000	U	200.00	107.5		P
Arsenic	75 - 125	215.8900		10.0000	U	200.00	107.9		P
Barium	75 - 125	368.0400		212.8900		200.00	77.6		P
Beryllium	75 - 125	198.1800		2.0000	U	200.00	99.1		P
Cadmium	75 - 125	195.6400		1.0000	U	200.00	97.8		P
Calcium		319208.5938		309291.9063		10000.00	99.2		P
Chromium	75 - 125	199.5900		17.5400		200.00	91.0		P
Cobalt	75 - 125	196.8300		5.5500		200.00	95.6		P
Copper	75 - 125	236.3600		65.4000		200.00	85.5		P
Iron	75 - 125	20632.9902		19821.8203		10000.00	8.1	N	P
Lead	75 - 125	261.6100		172.8900		200.00	44.4	N	P
Magnesium		95359.0781		83929.8984		10000.00	114.3		P
Manganese		1225.9399		1157.5601		200.00	34.2		P
Nickel	75 - 125	208.6300		19.6500		200.00	94.5		P
Potassium	75 - 125	49326.1406		38342.3906		10000.00	109.8		P
Selenium	75 - 125	208.1400		15.0000	U	200.00	104.1		P
Silver	75 - 125	52.8500		3.0000	U	50.00	105.7		P
Mercury	75 - 125	6.8333		0.2000	U	6.67	102.4		CV
Sodium		74921.5781		60892.7813		10000.00	140.3		P
Thallium	75 - 125	202.8900		20.0000	U	200.00	101.4		P
Vanadium	75 - 125	205.9500		16.0200		200.00	95.0		P
Zinc	75 - 125	261.7900		187.0400		200.00	37.4	N	P

Comments:

STL BUFFALO

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MACTEC Engineering & Consultants
-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GW-22-0306\SD

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	16401.4395		8557.8096		10000.00	78.4		P
Antimony	75 - 125	213.3200		20.0000	U	200.00	106.7		P
Arsenic	75 - 125	215.1100		10.0000	U	200.00	107.6		P
Barium	75 - 125	396.9100		212.8900		200.00	92.0		P
Beryllium	75 - 125	197.0900		2.0000	U	200.00	98.5		P
Cadmium	75 - 125	194.4400		1.0000	U	200.00	97.2		P
Calcium		307471.5938		309291.9063		10000.00	-18.2		P
Chromium	75 - 125	204.6900		17.5400		200.00	93.6		P
Cobalt	75 - 125	196.9300		5.5500		200.00	95.7		P
Copper	75 - 125	250.1200		65.4000		200.00	92.4		P
Iron	75 - 125	25163.0195		19821.8203		10000.00	53.4	N	P
Lead	75 - 125	312.7000		172.8900		200.00	69.9	N	P
Magnesium		89880.1172		83929.8984		10000.00	59.5		P
Manganese		1258.4700		1157.5601		200.00	50.5		P
Nickel	75 - 125	210.7200		19.6500		200.00	95.5		P
Potassium		49711.3789		38342.3906		10000.00	113.7		P
Selenium	75 - 125	199.5100		15.0000	U	200.00	99.8		P
Silver	75 - 125	51.9700		3.0000	U	50.00	103.9		P
Mercury	75 - 125	6.8500		0.2000	U	6.67	102.7		CV
Sodium		72330.2188		60892.7813		10000.00	114.4		P
Thallium	75 - 125	199.4900		20.0000	U	200.00	99.7		P
Vanadium	75 - 125	209.4900		16.0200		200.00	96.7		P
Zinc	75 - 125	338.9600		187.0400		200.00	76.0		P

Comments:

STL BUFFALO

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MACTEC Engineering & Consultants
-5B-
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

GW-22-0306A

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	18508.65		8557.81		10000.0	99.5	P	
Antimony	75 - 125	217.86		20.00	U	200.0	108.9	P	
Arsenic	75 - 125	215.50		10.00	U	200.0	107.8	P	
Barium	75 - 125	422.60		212.89		200.0	104.9	P	
Beryllium	75 - 125	198.05		2.00	U	200.0	99.0	P	
Cadmium	75 - 125	195.85		1.00	U	200.0	97.9	P	
Calcium	75 - 125	312808.50		309291.91		10000.0	35.2	P	
Chromium	75 - 125	211.15		17.54		200.0	96.8	P	
Cobalt	75 - 125	195.56		5.55		200.0	95.0	P	
Copper	75 - 125	275.81		65.40		200.0	105.2	P	
Iron	75 - 125	29221.56		19821.82		10000.0	94.0	P	
Lead	75 - 125	367.97		172.89		200.0	97.5	P	
Magnesium	75 - 125	92354.76		83929.90		10000.0	84.2	P	
Manganese	75 - 125	1328.69		1157.56		200.0	85.6	P	
Nickel	75 - 125	216.95		19.65		200.0	98.6	P	
Potassium	75 - 125	48816.36		38342.39		10000.0	104.7	P	
Selenium	75 - 125	208.56		15.00	U	200.0	104.3	P	
Silver	75 - 125	24.97		3.00	U	50.0	49.9	P	
Sodium	75 - 125	70360.14		60892.78		10000.0	94.7	P	
Thallium	75 - 125	203.64		20.00	U	200.0	101.8	P	
Vanadium	75 - 125	215.13		16.02		200.0	99.6	P	
Zinc	75 - 125	370.03		187.04		200.0	91.5	P	

Comments:

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STL BUFFALO

MACTEC Engineering & Consultants
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DUPLICATES

SAMPLE NO.

GW-22-0306\SD

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		13530.2002		16401.4395		19.2	P	
Antimony		214.9400		213.3200		0.8	P	
Arsenic		215.8900		215.1100		0.4	P	
Barium		368.0400		396.9100		7.5	P	
Beryllium		198.1800		197.0900		0.6	P	
Cadmium		195.6400		194.4400		0.6	P	
Calcium		319208.5938		307471.5938		3.7	P	
Chromium		199.5900		204.6900		2.5	P	
Cobalt		196.8300		196.9300		0.1	P	
Copper		236.3600		250.1200		5.7	P	
Iron		20632.9902		25163.0195		19.8	P	
Lead		261.6100		312.7000		17.8	P	
Magnesium		95359.0781		89880.1172		5.9	P	
Manganese		1225.9399		1258.4700		2.6	P	
Nickel		208.6300		210.7200		1.0	P	
Potassium		49326.1406		49711.3789		0.8	P	
Selenium		208.1400		199.5100		4.2	P	
Silver		52.8500		51.9700		1.7	P	
Mercury		6.8333		6.8500		0.2	CV	
Sodium		74921.5781		72330.2188		3.5	P	
Thallium		202.8900		199.4900		1.7	P	
Vanadium		205.9500		209.4900		1.7	P	
Zinc		261.7900		338.9600		25.7	*	P

STL BUFFALO

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MACTEC Engineering & Consultants

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LABORATORY CONTROL SAMPLE

Contract: NY05-276

Lab Code: STLBFL0 Case No.: SAS No.: SDG NO.: A06-2581

Solid LCS Source:

Aqueous LCS Source: ULTRA

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	10000.0	10243.39	102.4					
Antimony	200.0	206.95	103.5					
Arsenic	200.0	209.62	104.8					
Barium	200.0	221.79	110.9					
Beryllium	200.0	202.50	101.2					
Cadmium	200.0	202.79	101.4					
Calcium	10000.0	10162.61	101.6					
Chromium	200.0	199.54	99.8					
Cobalt	200.0	201.57	100.8					
Copper	200.0	206.21	103.1					
Iron	10000.0	9947.39	99.5					
Lead	200.0	210.34	105.2					
Magnesium	10000.0	10168.12	101.7					
Manganese	200.0	197.86	98.9					
Nickel	200.0	207.79	103.9					
Potassium	10000.0	10075.55	100.8					
Selenium	200.0	209.17	104.6					
Silver	50.0	52.26	104.5					
Sodium	10000.0	10773.11	107.7					
Thallium	200.0	207.56	103.8					
Vanadium	200.0	202.37	101.2					
Zinc	200.0	210.72	105.4					

Comments:

STL BUFFALO

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MACTEC Engineering & Consultants

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LABORATORY CONTROL SAMPLE

Contract: NY05-276

Lab Code: STLBFL0 Case No.: SAS No.: SDG NO.: A06-2581

Solid LCS Source:

Aqueous LCS Source: ULTRA

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Mercury	3.3	3.62	108.6					

Comments:

STL BUFFALO

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MACTEC Engineering & Consultants

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ICP SERIAL DILUTIONS

SAMPLE NO.

GW-22-0306L

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A05-2581

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Differ- ence	Q	M
Aluminum	8557.81	10436.60	22.0		P
Antimony	16.59	100.00	100.0		P
Arsenic	8.14	50.00	100.0		P
Barium	212.89	221.70	4.1		P
Beryllium	2.00	10.00			P
Cadmium	0.20	5.00	100.0		P
Calcium	309291.91	301430.00	2.5		P
Chromium	17.54	20.40	16.3		P
Cobalt	5.55	20.00	100.0		P
Copper	65.40	61.55	5.9		P
Iron	19821.82	20714.10	4.5		P
Lead	172.89	174.25	0.8		P
Magnesium	83929.90	84273.75	0.4		P
Manganese	1157.56	1186.85	2.5		P
Nickel	19.65	50.00	100.0		P
Potassium	38342.39	36204.10	5.6		P
Selenium	15.00	75.00			P
Silver	3.00	15.00			P
Sodium	60892.78	60403.60	0.8		P
Thallium	20.00	100.00			P
Vanadium	16.02	25.00	100.0		P
Zinc	187.04	245.95	31.5		P

Comments:

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STL BUFFALO

MACTEC Engineering & Consultants

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A05-2581

ICP ID Number: SUPERTRACE2

Date: 1/26/2006

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave- length (nm)	Back- ground	EQL (ug/L)	EQL (ug/L)	M
Aluminum	308.215		200	200	P
Antimony	206.838		20	20	P
Arsenic	189.042		10	10	P
Barium	493.409		2	2	P
Beryllium	313.042		2	2	P
Cadmium	226.502		1	1	P
Calcium	317.933		500	500	P
Chromium	267.716		4	4	P
Cobalt	228.616		4	4	P
Copper	324.753		10	10	P
Iron	271.441		50	50	P
Lead	220.353		5	5	P
Magnesium	279.078		200	200	P
Manganese	257.610		3	3	P
Nickel	231.604		10	10	P
Potassium	766.491		500	500	P
Selenium	296.026		15	15	P
Silver	328.068		3	3	P
Sodium	330.232		1000	1000	P
Thallium	190.864		20	20	P
Vanadium	292.402		5	5	P
Zinc	206.200		10	10	P

Comments:

Form X - IN

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STL BUFFALO

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MACTEC Engineering & Consultants
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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Contract: NY05-276
Lab Code: STLBFL0 Case No.: _____ SAS No.: _____ SDG NO.: A06-2581
ICP ID Number: _____ Date: 12/14/2005
Flame AA ID Number: LEEMAN PS200II
Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	EQL (ug/L)	EQL (ug/L)	M
Mercury	253.70		0.2	0.2	CV

Comments: _____

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STL BUFFALO

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MACTEC Engineering & Consultants
-11A-
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY05-276
Lab Code: STLBFL0 Case No.: _____ SAS No.: _____ SDG NO.: A06-2581
ICP ID Number: SUPERTRACE2 Date: 1/16/2006

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	B	Be
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000110	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000230	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	-0.0002800	0.0000000	0.0000000
Chromium	267.716	0.0000340	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.753	0.0000000	0.0000000	0.0000040	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0002890	0.0000000	0.0000680	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	-0.0000100	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0000110	0.0000000	-0.0000500	0.0000000	0.0000700
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0001900	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	337.28	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000210	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	-0.0000500	0.0000000	0.0000000

Comments: _____

Form XI (PART 1) - IN

SW846 3RD ED.

STL BUFFALO

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MACTEC Engineering & Consultants

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY05-276

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A06-2581

ICP ID Number: SUPERTRACE2

Date: 1/16/2006

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cd	Co	Cr	Cu	Mn
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0073660	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0003930	0.0003740	0.0001020	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001800
Cobalt	228.616	0.0000000	0.0000000	0.0003190	0.0000000	0.0000000
Copper	324.753	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0000000	0.0000000	0.0000000	0.0000000	0.0000910
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0004780	0.0000000	0.0000000	-0.0001100
Nickel	231.604	0.0000000	-0.0012000	0.0000000	0.0000000	-0.0001000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0000000	0.0001400	0.0000000	0.0000000	0.0003650
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	-0.0059100	0.0000000	0.0000000
Thallium	190.864	0.0000000	-0.0014400	0.0001570	0.0001350	0.0002220
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	337.28	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0007570	0.0000000	0.0000000

Comments:

Form XI (PART 2) - IN

SW846 3RD ED.

STL BUFFALO

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MACTEC Engineering & Consultants

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY05-276

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A06-2581

ICP ID Number: SUPERTRACE2

Date: 1/16/2006

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Na	Ni	Pb	Sb	Se
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0001520	0.0000000	0.0000000	0.0000000
Copper	324.753	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0000000	0.0002670	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	337.28	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Form XI (PART 2) - IN

SW846 3RD ED.

STL BUFFALO

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MACTEC Engineering & Consultants

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

ICP ID Number: SUPERTRACE2

Date: 1/16/2006

Analyte	Wave-length (nm)	Interelement Correction Factors for:			
		Tl	V	Zn	
Aluminum	308.215	0.0000000	0.0120700	0.0000000	
Antimony	206.838	0.0000000	0.0000430	0.0000000	
Arsenic	189.042	0.0000000	0.0000000	0.0000000	
Barium	493.409	0.0000000	0.0000000	0.0000000	
Beryllium	313.042	0.0000000	0.0001840	0.0000000	
Boron	249.678	0.0000000	0.0000000	0.0000000	
Cadmium	226.502	0.0000000	0.0000000	0.0000000	
Calcium	317.90	0.0000000	0.0000000	0.0000000	
Chromium	267.716	0.0000000	-0.0000200	0.0000000	
Cobalt	228.616	0.0000000	0.0000000	0.0000000	
Copper	324.753	0.0000000	0.0000000	0.0000000	
Iron	271.441	0.0000000	0.0088470	0.0000000	
Lead	220.352	0.0000000	-0.0000600	0.0000000	
Magnesium	279.00	0.0000000	0.0000000	0.0000000	
Manganese	257.610	0.0000000	0.0000000	0.0000000	
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	
Nickel	231.604	0.0000790	0.0000000	0.0000000	
Potassium	766.491	0.0000000	0.0000000	0.0000000	
Selenium	196.021	0.0000000	0.0001720	0.0000000	
Silver	328.068	0.0000000	0.0000000	0.0000000	
Sodium	330.232	0.0000000	0.0000000	0.0000000	
Thallium	190.864	0.0000000	-0.0010800	0.0000000	
Tin	189.989	0.0000000	0.0000000	0.0000000	
Titanium	337.28	0.0000000	-0.0000300	0.0000000	
Vanadium	292.402	0.0000000	0.0000000	0.0000000	
Zinc	206.20	0.0000000	0.0000000	0.0000000	

Comments:

Form XI (PART 2) - IN

SW846 3RD ED.

STL BUFFALO

193/419

MACTEC Engineering & Consultants

-12-

ICP LINEAR RANGES (QUARTERLY)

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

ICP ID Number: SUPERTRACE2

Date: 1/16/2006

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	15.00	400000	P
Antimony	15.00	50000	P
Arsenic	15.00	30000	P
Barium	15.00	10000	P
Beryllium	15.00	5000	P
Cadmium	15.00	25000	P
Calcium	15.00	600000	P
Chromium	15.00	40000	P
Cobalt	15.00	40000	P
Copper	15.00	25000	P
Iron	15.00	500000	P
Lead	15.00	60000	P
Magnesium	15.00	800000	P
Manganese	15.00	15000	P
Nickel	15.00	25000	P
Potassium	15.00	400000	P
Selenium	15.00	40000	P
Silver	15.00	2000	P
Sodium	15.00	800000	P
Thallium	15.00	40000	P
Vanadium	15.00	50000	P
Zinc	15.00	14000	P

Comments:

Form XII - IN

SW846 3RD ED.

STL BUFFALO

194/419

MACTEC Engineering & Consultants

-13-

PREPARATION LOG

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Method: CV

Prep Method:

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
GW-19-0306	3/13/2006	30.0	50.0
GW-22-0306	3/13/2006	30.0	50.0
GW-22-0306\FD	3/13/2006	30.0	50.0
GW-22-0306\MS	3/13/2006	30.0	50.0
GW-22-0306\SD	3/13/2006	30.0	50.0
GW-18R-0306	3/13/2006	30.0	50.0
GW-23-0306	3/13/2006	30.0	50.0
GW-21-0306	3/13/2006	30.0	50.0
AD610904-LCS	3/13/2006	30.0	50.0
AD610905-MBLK	3/13/2006	30.0	50.0

Comments:

STL BUFFALO

195/419

MACTEC Engineering & Consultants

-13-

PREPARATION LOG

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A06-2581

Method: P

Prep Method:

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
GW-19-0306	3/14/2006	50.0	50.0
GW-22-0306	3/14/2006	50.0	50.0
GW-22-0306\FD	3/14/2006	50.0	50.0
GW-22-0306\MS	3/14/2006	50.0	50.0
GW-22-0306\SD	3/14/2006	50.0	50.0
GW-18R-0306	3/14/2006	50.0	50.0
GW-23-0306	3/14/2006	50.0	50.0
GW-21-0306	3/14/2006	50.0	50.0
AD611127-LFB	3/14/2006	50.0	50.0
AD611128-MBLK	3/14/2006	50.0	50.0

Comments:

196/419

STL BUFFALO

MACTEC Engineering & Consultants

-14-

ANALYSIS RUN LOG

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: A06-2581

Instrument ID Number: SUPERTRACE2

Method: P

Start Date: 3/15/2006

End Date: 3/15/2006

Sample ID.	D/F	Time	% R	Analytes																					
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N
STD BLK	1.00	16:13		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD 1	1.00	16:18		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD 2	1.00	16:22		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD 3	1.00	16:27		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD 3 VER	1.00	16:31		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV	1.00	16:36		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB	1.00	16:41		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI	1.00	16:46		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA	1.00	16:51		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICBAB	1.00	16:56		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV	1.00	17:36		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	17:41		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	10.00	17:46																							
ZZZZZZ	5.00	17:51																							
ZZZZZZ	5.00	17:56																							
ZZZZZZ	5.00	18:00																							
ZZZZZZ	5.00	18:05																							
ZZZZZZ	5.00	18:10																							
ZZZZZZ	10.00	18:15																							
ZZZZZZ	5.00	18:20																							
ZZZZZZ	5.00	18:25																							
ZZZZZZ	1.00	18:29																							
CCV	1.00	18:36		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	18:40		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	18:45																							
ZZZZZZ	1.00	18:50																							
ZZZZZZ	1.00	18:55																							
ZZZZZZ	1.00	19:00																							
ZZZZZZ	5.00	19:05																							
ZZZZZZ	1.00	19:09																							
ZZZZZZ	1.00	19:14																							
ZZZZZZ	1.00	19:19																							
ZZZZZZ	1.00	19:24																							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Form XIV - IN

SW846 3RD ED.

197/419

STL BUFFALO

MACTEC Engineering & Consultants

-14-

ANALYSIS RUN LOG

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: A06-2581

Instrument ID Number: SUPERTRACE2

Method: P

Start Date: 3/15/2006

End Date: 3/15/2006

Sample ID.	D/F	Time	% R	Analytes																					
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N
ZZZZZZ	1.00	19:29																							
CCV	1.00	19:35		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	19:40		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	19:45																							
ZZZZZZ	1.00	19:50																							
ZZZZZZ	1.00	19:54																							
ZZZZZZ	1.00	19:59																							
ZZZZZZ	1.00	20:04																							
ZZZZZZ	1.00	20:09																							
ZZZZZZ	1.00	20:14																							
ZZZZZZ	1.00	20:19																							
ZZZZZZ	1.00	20:23																							
ZZZZZZ	1.00	20:28																							
CCV	1.00	20:35		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	20:39		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	20:44																							
ZZZZZZ	1.00	20:49																							
ZZZZZZ	1.00	20:54																							
ZZZZZZ	1.00	20:59																							
ZZZZZZ	1.00	21:04																							
ZZZZZZ	1.00	21:09																							
ZZZZZZ	1.00	21:13																							
ZZZZZZ	5.00	21:18																							
ZZZZZZ	1.00	21:23																							
ZZZZZZ	1.00	21:28																							
CCV	1.00	21:34		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	21:39		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	21:44																							
ZZZZZZ	1.00	21:49																							
ZZZZZZ	1.00	21:54																							
ZZZZZZ	1.00	21:58																							
ZZZZZZ	1.00	22:03																							
AD611128-MBLK	1.00	22:08		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Form XIV - IN

SW846 3RD ED.

198/419

STL BUFFALO

MACTEC Engineering & Consultants
-14-

ANALYSIS RUN LOG

Contract: NY05-276

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG No.: A06-2581

Instrument ID Number: SUPERTRACE2

Method: P

Start Date: 3/15/2006

End Date: 3/15/2006

Sample ID.	D/F	Time	% R	Analytes																					
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z
				L	B	S	A	E	D	A	R	O	U	B	G	N	G	I	E	G	A	L	N	N	N
AD611127-LFB	1.00	22:13		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-19-0306	1.00	22:18		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-22-0306	1.00	22:23		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-22-0306L	5.00	22:28		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV	1.00	22:34		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	22:39		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-22-0306A	1.00	22:43		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-22-0306\FD	1.00	22:48		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-22-0306\MS	1.00	22:53		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-22-0306\SD	1.00	22:58		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-18R-0306	1.00	23:03		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-23-0306	1.00	23:08		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-21-0306	1.00	23:13		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	23:17																							
ZZZZZZ	1.00	23:22																							
ZZZZZZ	1.00	23:27																							
CCV	1.00	23:33		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	23:38		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Form XIV - IN

SW846 3RD ED.

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STL BUFFALO

MACTEC Engineering & Consultants
-14-

ANALYSIS RUN LOG

Contract: NY05-276

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG No.: A06-2581

Instrument ID Number: LEEMAN PS200II

Method: CV

Start Date: 3/13/2006

End Date: 3/13/2006

Sample ID.	D/F	Time	% R	Analytes																					
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z
				L	B	S	A	E	D	A	R	O	U	B	G	N	G	I	E	G	A	L	N	N	N
ICV	1.00	12:09																							
ICB	1.00	12:10																							
CRA	1.00	12:11																							
CCV	1.00	12:13																							
CCB	1.00	12:14																							
ZZZZZZ	1.00	12:15																							
ZZZZZZ	1.00	12:16																							
ZZZZZZ	1.00	12:18																							
ZZZZZZ	1.00	12:19																							
ZZZZZZ	1.00	12:21																							
ZZZZZZ	1.00	12:22																							
ZZZZZZ	1.00	12:23																							
ZZZZZZ	1.00	12:24																							
ZZZZZZ	1.00	12:26																							
ZZZZZZ	1.00	12:27																							
CCV	1.00	12:28																							
CCB	1.00	12:29																							
ZZZZZZ	1.00	12:30																							
GW-19-0306	1.00	12:32																							
GW-22-0306	1.00	12:33																							
GW-22-0306\FD	1.00	12:35																							
ZZZZZZ	1.00	12:36																							
GW-22-0306\MS	1.00	12:37																							
GW-22-0306\SD	1.00	12:38																							
GW-18R-0306	1.00	12:40																							
GW-23-0306	1.00	12:41																							
GW-21-0306	1.00	12:43																							
CCV	1.00	12:44																							
CCB	1.00	12:45																							
ZZZZZZ	1.00	12:46																							
ZZZZZZ	1.00	12:47																							
ZZZZZZ	1.00	12:49																							
AD610904-LCS	1.00	12:50																							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Form XIV - IN

SW846 3RD ED.

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201/419

STL BUFFALO

MACTEC Engineering & Consultants

-14-

ANALYSIS RUN LOG

Contract: NY05-276

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: A06-2581

Instrument ID Number: LEEHAN PS200II

Method: CV

Start Date: 3/13/2006

End Date: 3/13/2006

Sample ID.	D/F	Time	% R	Analytes																							
				A	S	A	B	C	C	C	F	P	M	H	N	K	S	A	N	T	V	Z	C	L	B	S	N
AD610905-MBLX	1.00	12:51																									
ZZZZZZ	1.00	12:52																									
ZZZZZZ	1.00	12:53																									
ZZZZZZ	1.00	12:55																									
ZZZZZZ	1.00	12:56																									
ZZZZZZ	1.00	12:57																									
CCV	1.00	12:58																									
CCB	1.00	12:59																									

Metals Raw Data

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Form XIV - IN

SW846 3RD ED.

202/419

Analysis Report

03/16/06 07:05:57 AM

page 1

STL Buffalo

Analyst: AKDate: 3-16-06Secondary Review: TWSDate: 3/16/06

Spikes: 5-MDL-18, 1-MDL-5, 6-138-E, 6-090-F, 2-MDL-17

Pipettes: 02-10-06-(1-12)

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD BLK <u>6-145-A</u>	A031506	TRACE2	03/15/06	10:26	X	IR	
2	STD 1 <u>6-149-E</u>	A031506	TRACE2	03/15/06	10:31	X	IR	
3	STD 2 <u>6-149-D</u>	A031506	TRACE2	03/15/06	10:35	X	IR	
4	STD 3 <u>6-149-B</u>	A031506	TRACE2	03/15/06	10:40	X	IR	
5	STD 3 VER <u>6-149-B</u>	A031506	TRACE2	03/15/06	10:45	SW	B	CONC
6	ICV <u>6-141-E</u>	A031506	TRACE2	03/15/06	10:49	SW	Q	CONC
7	ICB <u>6-145-A</u>	A031506	TRACE2	03/15/06	10:54	SW	B	CONC
8	CRI <u>6-140-A</u>	A031506	TRACE2	03/15/06	10:59	SW	B	CONC
9	ICSA <u>6-134-B</u>	A031506	TRACE2	03/15/06	11:04	SW	Q	CONC
10	ICSAB <u>6-144-C</u>	A031506	TRACE2	03/15/06	11:09	SW	Q	CONC
11	CCV <u>6-143-F</u>	A031506	TRACE2	03/15/06	11:15	SW	Q	CONC
12	CCB <u>6-145-A</u>	A031506	TRACE2	03/15/06	11:20	SW	B	CONC
13	AD611085/PB	A031506	TRACE2	03/15/06	11:25	SW	S	CONC
14	AD611084/FB	A031506	TRACE2	03/15/06	11:29	SW	S	CONC
15	AD611072 <u>2591</u>	A031506	TRACE2	03/15/06	11:34	SW	S	CONC
16	AD611072/L (1:5)	A031506	TRACE2	03/15/06	11:39	SW	S	CONC
17	AD611072/PS	A031506	TRACE2	03/15/06	11:44	SW	S	CONC
18	AD611073/FD	A031506	TRACE2	03/15/06	11:49	SW	S	CONC
19	AD611074/MS	A031506	TRACE2	03/15/06	11:54	SW	S	CONC
20	AD611075/SD	A031506	TRACE2	03/15/06	11:58	SW	S	CONC
21	AD611076	A031506	TRACE2	03/15/06	12:03	SW	S	CONC
22	AD611077	A031506	TRACE2	03/15/06	12:08	SW	S	CONC
23	CCV	A031506	TRACE2	03/15/06	12:14	SW	Q	CONC
24	CCB	A031506	TRACE2	03/15/06	12:19	SW	B	CONC
25	AD611078	A031506	TRACE2	03/15/06	12:24	SW	S	CONC
26	AD611079	A031506	TRACE2	03/15/06	12:29	SW	S	CONC
27	AD611080	A031506	TRACE2	03/15/06	12:34	SW	S	CONC
28	AD611081	A031506	TRACE2	03/15/06	12:38	SW	S	CONC
29	AD611082	A031506	TRACE2	03/15/06	12:43	SW	S	CONC
30	AD611083	A031506	TRACE2	03/15/06	12:48	SW	S	CONC
31	AD611100/PB	A031506	TRACE2	03/15/06	12:53	SW	S	CONC
32	AD611099/FB	A031506	TRACE2	03/15/06	12:58	SW	S	CONC
33	AD611086 <u>2607</u>	A031506	TRACE2	03/15/06	13:03	SW	S	CONC
34	AD611087	A031506	TRACE2	03/15/06	13:07	SW	S	CONC
35	CCV	A031506	TRACE2	03/15/06	13:14	SW	Q	CONC
36	CCB	A031506	TRACE2	03/15/06	13:18	SW	B	CONC
37	AD611088	A031506	TRACE2	03/15/06	13:23	SW	S	CONC
38	AD611088/L (1:5)	A031506	TRACE2	03/15/06	13:28	SW	S	CONC
39	AD611088/PS	A031506	TRACE2	03/15/06	13:33	SW	S	CONC
40	AD611089/MS	A031506	TRACE2	03/15/06	13:38	SW	S	CONC
41	AD611090/SD	A031506	TRACE2	03/15/06	13:43	SW	S	CONC
42	AD611091	A031506	TRACE2	03/15/06	13:47	SW	S	CONC
43	AD611092/FD	A031506	TRACE2	03/15/06	13:52	SW	S	CONC
44	AD611093	A031506	TRACE2	03/15/06	13:57	SW	S	CONC
45	AD611094	A031506	TRACE2	03/15/06	14:02	SW	S	CONC
46	AD611095	A031506	TRACE2	03/15/06	14:07	SW	S	CONC
47	CCV	A031506	TRACE2	03/15/06	14:13	SW	Q	CONC
48	CCB	A031506	TRACE2	03/15/06	14:18	SW	B	CONC
49	AD611096	A031506	TRACE2	03/15/06	14:23	SW	S	CONC
50	AD611097	A031506	TRACE2	03/15/06	14:27	SW	S	CONC

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Analysis Report

Summary

03/16/06 07:05:57 AM

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
51	AD611098	A031506	TRACE2	03/15/06	14:32	SW	S	CONC
52	AD611108/PB	A031506	TRACE2	03/15/06	14:37	SW	S	CONC
53	AD611107/FB	A031506	TRACE2	03/15/06	14:42	SW	S	CONC
54	AD611101 <u>2608</u>	A031506	TRACE2	03/15/06	14:47	SW	S	CONC
55	AD611102	A031506	TRACE2	03/15/06	14:52	SW	S	CONC
56	AD611103	A031506	TRACE2	03/15/06	14:56	SW	S	CONC
57	AD611103/L (1:5)	A031506	TRACE2	03/15/06	15:01	SW	S	CONC
58	AD611103/PS	A031506	TRACE2	03/15/06	15:06	SW	S	CONC
59	CCV	A031506	TRACE2	03/15/06	15:12	SW	Q	CONC
60	CCB	A031506	TRACE2	03/15/06	15:17	SW	B	CONC
61	AD611104/MS	A031506	TRACE2	03/15/06	15:22	SW	S	CONC
62	AD611105/SD	A031506	TRACE2	03/15/06	15:27	SW	S	CONC
63	AD611106	A031506	TRACE2	03/15/06	15:32	SW	S	CONC
64	AD611078/(1:20)	A031506	TRACE2	03/15/06	15:37	SW	S	CONC
65	CRI	A031506	TRACE2	03/15/06	15:43	SW	B	CONC
66	ICSA	A031506	TRACE2	03/15/06	15:48	SW	Q	CONC
67	ICSAB	A031506	TRACE2	03/15/06	15:52	SW	Q	CONC
68	CCV	A031506	TRACE2	03/15/06	15:59	SW	Q	CONC
69	CCB	A031506	TRACE2	03/15/06	16:03	SW	B	CONC
70	STD BLK	A031506	TRACE2	03/15/06	16:13	X	IR	
71	STD 1	A031506	TRACE2	03/15/06	16:18	X	IR	
72	STD 2	A031506	TRACE2	03/15/06	16:22	X	IR	
73	STD 3	A031506	TRACE2	03/15/06	16:27	X	IR	
74	STD 3 VER	A031506	TRACE2	03/15/06	16:31	SW	B	CONC
75	ICV	A031506	TRACE2	03/15/06	16:36	SW	Q	CONC
76	ICB	A031506	TRACE2	03/15/06	16:41	SW	B	CONC
77	CRI	A031506	TRACE2	03/15/06	16:46	SW	B	CONC
78	ICSA	A031506	TRACE2	03/15/06	16:51	SW	Q	CONC
79	ICSAB	A031506	TRACE2	03/15/06	16:56	SW	Q	CONC
80	CCV	A031506	TRACE2	03/15/06	17:36	SW	Q	CONC
81	CCB	A031506	TRACE2	03/15/06	17:41	SW	B	CONC
82	AD610879/(1:5) <u>AD611103</u>	A031506	TRACE2	03/15/06	17:46	SW	S	CONC
83	AD611130/(1:5)	A031506	TRACE2	03/15/06	17:51	SW	S	CONC
84	AD611135/(1:5)	A031506	TRACE2	03/15/06	17:56	SW	S	CONC
85	AD611137/(1:5)	A031506	TRACE2	03/15/06	18:00	SW	S	CONC
86	AD611141/(1:5)	A031506	TRACE2	03/15/06	18:05	SW	S	CONC
87	AD611142/(1:5)	A031506	TRACE2	03/15/06	18:10	SW	S	CONC
88	AD611143/(1:10)	A031506	TRACE2	03/15/06	18:15	SW	S	CONC
89	AD611144/(1:5)	A031506	TRACE2	03/15/06	18:20	SW	S	CONC
90	AD611145/(1:5) <u>AD611146</u>	A031506	TRACE2	03/15/06	18:25	SW	S	CONC
91	AD611151/PB	A031506	TRACE2	03/15/06	18:29	SW	S	CONC
92	CCV	A031506	TRACE2	03/15/06	18:36	SW	Q	CONC
93	CCB	A031506	TRACE2	03/15/06	18:40	SW	B	CONC
94	AD611150/FB	A031506	TRACE2	03/15/06	18:45	SW	S	CONC
95	AD611129 <u>2595</u>	A031506	TRACE2	03/15/06	18:50	SW	S	CONC
96	AD611130	A031506	TRACE2	03/15/06	18:55	SW	S	CONC
97	AD611131	A031506	TRACE2	03/15/06	19:00	SW	S	CONC
98	AD611131/L(1:5)	A031506	TRACE2	03/15/06	19:05	SW	S	CONC
99	AD611131/PS	A031506	TRACE2	03/15/06	19:09	SW	S	CONC
100	AD611132/MS	A031506	TRACE2	03/15/06	19:14	SW	S	CONC
101	AD611133/SD	A031506	TRACE2	03/15/06	19:19	SW	S	CONC
102	AD611134	A031506	TRACE2	03/15/06	19:24	SW	S	CONC
103	AD611135	A031506	TRACE2	03/15/06	19:29	SW	S	CONC
104	CCV	A031506	TRACE2	03/15/06	19:35	SW	Q	CONC

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
105	CCB	A031506	TRACE2	03/15/06	19:40	SW	B	CONC
106	AD611136 2595	A031506	TRACE2	03/15/06	19:45	SW	S	CONC
107	AD611137	A031506	TRACE2	03/15/06	19:50	SW	S	CONC
108	AD611138	A031506	TRACE2	03/15/06	19:54	SW	S	CONC
109	AD611139	A031506	TRACE2	03/15/06	19:59	SW	S	CONC
110	AD611340	A031506	TRACE2	03/15/06	20:04	SW	S	CONC
111	AD611141	A031506	TRACE2	03/15/06	20:09	SW	S	CONC
112	AD611142	A031506	TRACE2	03/15/06	20:14	SW	S	CONC
113	AD611143	A031506	TRACE2	03/15/06	20:19	SW	S	CONC
114	AD611144	A031506	TRACE2	03/15/06	20:23	SW	S	CONC
115	AD611145 2621	A031506	TRACE2	03/15/06	20:28	SW	S	CONC
116	CCV	A031506	TRACE2	03/15/06	20:35	SW	Q	CONC
117	CCB	A031506	TRACE2	03/15/06	20:39	SW	B	CONC
118	AD611146	A031506	TRACE2	03/15/06	20:44	SW	S	CONC
119	AD611147	A031506	TRACE2	03/15/06	20:49	SW	S	CONC
120	AD611148	A031506	TRACE2	03/15/06	20:54	SW	S	CONC
121	AD611149	A031506	TRACE2	03/15/06	20:59	SW	S	CONC
122	AD611180/PB	A031506	TRACE2	03/15/06	21:04	SW	S	CONC
123	AD611179/FB	A031506	TRACE2	03/15/06	21:09	SW	S	CONC
124	AD611175 2599	A031506	TRACE2	03/15/06	21:13	SW	S	CONC
125	AD611175/L (1:5)	A031506	TRACE2	03/15/06	21:18	SW	S	CONC
126	AD611175/PS	A031506	TRACE2	03/15/06	21:23	SW	S	CONC
127	AD611176/MS	A031506	TRACE2	03/15/06	21:28	SW	S	CONC
128	CCV	A031506	TRACE2	03/15/06	21:34	SW	Q	CONC
129	CCB	A031506	TRACE2	03/15/06	21:39	SW	B	CONC
130	AD611177/SD	A031506	TRACE2	03/15/06	21:44	SW	S	CONC
131	AD611178 2599	A031506	TRACE2	03/15/06	21:49	SW	S	CONC
132	AD611029/PB	A031506	TRACE2	03/15/06	21:54	SW	S	CONC
133	AD611028/FB	A031506	TRACE2	03/15/06	21:58	SW	S	CONC
134	AD611021 2476	A031506	TRACE2	03/15/06	22:03	SW	S	CONC
135	AD611128/PB	A031506	TRACE2	03/15/06	22:08	SW	S	CONC
136	AD611127/FB	A031506	TRACE2	03/15/06	22:13	SW	S	CONC
137	AD611109 2581	A031506	TRACE2	03/15/06	22:18	SW	S	CONC
138	AD611110	A031506	TRACE2	03/15/06	22:23	SW	S	CONC
139	AD611110/L (1:5)	A031506	TRACE2	03/15/06	22:28	SW	S	CONC
140	CCV	A031506	TRACE2	03/15/06	22:34	SW	Q	CONC
141	CCB	A031506	TRACE2	03/15/06	22:39	SW	B	CONC
142	AD611110/PS	A031506	TRACE2	03/15/06	22:43	SW	S	CONC
143	AD611111	A031506	TRACE2	03/15/06	22:48	SW	S	CONC
144	AD611112/MS	A031506	TRACE2	03/15/06	22:53	SW	S	CONC
145	AD611113/SD	A031506	TRACE2	03/15/06	22:58	SW	S	CONC
146	AD611114	A031506	TRACE2	03/15/06	23:03	SW	S	CONC
147	AD611115	A031506	TRACE2	03/15/06	23:08	SW	S	CONC
148	AD611116	A031506	TRACE2	03/15/06	23:13	SW	S	CONC
149	AD611117 2599	A031506	TRACE2	03/15/06	23:17	SW	S	CONC
150	AD611118	A031506	TRACE2	03/15/06	23:22	SW	S	CONC
151	AD611119	A031506	TRACE2	03/15/06	23:27	SW	S	CONC
152	CCV	A031506	TRACE2	03/15/06	23:33	SW	Q	CONC
153	CCB	A031506	TRACE2	03/15/06	23:38	SW	B	CONC
154	STD BLK	A031506	TRACE2	03/15/06	23:48		X	IR
155	STD 1	A031506	TRACE2	03/15/06	23:53		X	IR
156	STD 2	A031506	TRACE2	03/15/06	23:57		X	IR
157	STD 3	A031506	TRACE2	03/16/06	00:01		X	IR
158	STD 3 VER	A031506	TRACE2	03/16/06	00:06	SW	B	CONC

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
159	ICV	A031506	TRACE2	03/16/06	00:11	SW	Q	CONC
160	ICB	A031506	TRACE2	03/16/06	00:16	SW	B	CONC
161	CRI	A031506	TRACE2	03/16/06	00:21	SW	B	CONC
162	ICSA	A031506	TRACE2	03/16/06	00:26	SW	Q	CONC
163	ICSAB	A031506	TRACE2	03/16/06	00:30	SW	Q	CONC
164	CCV	A031506	TRACE2	03/16/06	00:37	SW	Q	CONC
165	CCB	A031506	TRACE2	03/16/06	00:41	SW	B	CONC
166	AD611120 2599	A031506	TRACE2	03/16/06	00:46	SW	S	CONC
167	AD611121	A031506	TRACE2	03/16/06	00:51	SW	S	CONC
168	AD611122 2405	A031506	TRACE2	03/16/06	00:56	SW	S	CONC
169	AD611123	A031506	TRACE2	03/16/06	01:01	SW	S	CONC
170	AD611124	A031506	TRACE2	03/16/06	01:06	SW	S	CONC
171	AD611125	A031506	TRACE2	03/16/06	01:11	SW	S	CONC
172	AD611126 2406	A031506	TRACE2	03/16/06	01:16	SW	S	CONC
173	AD610590 2446	A031506	TRACE2	03/16/06	01:20	SW	S	CONC
174	AD610591	A031506	TRACE2	03/16/06	01:25	SW	S	CONC
175	AD610592	A031506	TRACE2	03/16/06	01:30	SW	S	CONC
176	CCV	A031506	TRACE2	03/16/06	01:36	SW	Q	CONC
177	CCB	A031506	TRACE2	03/16/06	01:41	SW	B	CONC
178	AD610593	A031506	TRACE2	03/16/06	01:46	SW	S	CONC
179	AD610736	A031506	TRACE2	03/16/06	01:51	SW	S	CONC
180	AD611235/PB	A031506	TRACE2	03/16/06	01:56	SW	S	CONC
181	AD611234/FB	A031506	TRACE2	03/16/06	02:01	SW	S	CONC
182	AD611224 2327	A031506	TRACE2	03/16/06	02:06	SW	S	CONC
183	AD611225	A031506	TRACE2	03/16/06	02:10	SW	S	CONC
184	AD611225/L (1:5)	A031506	TRACE2	03/16/06	02:15	SW	S	CONC
185	AD611225/PS	A031506	TRACE2	03/16/06	02:20	SW	S	CONC
186	AD611226/MD	A031506	TRACE2	03/16/06	02:25	SW	S	CONC
187	AD611227/MS	A031506	TRACE2	03/16/06	02:30	SW	S	CONC
188	CCV	A031506	TRACE2	03/16/06	02:36	SW	Q	CONC
189	CCB	A031506	TRACE2	03/16/06	02:41	SW	B	CONC
190	AD611228	A031506	TRACE2	03/16/06	02:46	SW	S	CONC
191	AD611229	A031506	TRACE2	03/16/06	02:51	SW	S	CONC
192	AD611230	A031506	TRACE2	03/16/06	02:56	SW	S	CONC
193	AD611231 2329	A031506	TRACE2	03/16/06	03:00	SW	S	CONC
194	AD611232	A031506	TRACE2	03/16/06	03:05	SW	S	CONC
195	AD611233	A031506	TRACE2	03/16/06	03:10	SW	S	CONC
196	CRI	A031506	TRACE2	03/16/06	03:16	SW	B	CONC
197	ICSA	A031506	TRACE2	03/16/06	03:21	SW	Q	CONC
198	ICSAB	A031506	TRACE2	03/16/06	03:26	SW	Q	CONC
199	CCV	A031506	TRACE2	03/16/06	03:32	SW	Q	CONC
200	CCB	A031506	TRACE2	03/16/06	03:37	SW	B	CONC

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Curvefit Fit Status Summary 01/12/06 03:41:11 PM

page 1

Method: TRACE2
 Mode: Concentration
 Standards Table: NAKCAMG
 Data File: BJAN1206

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Ca3179	317.933	01/12/06 03:36	Full Fit	.999981
K_7664	766.491	01/12/06 03:36	Full Fit	.999890
Mg2790	279.078	01/12/06 03:37	Full Fit	.999973
Na3302	330.232	01/12/06 03:37	Full Fit	.999769

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Calibration Report

01/12/06 03:09:02 PM

page 1

Method: TRACE2 Standard Name: STD BLK Operator:
 Run Time: 01/12/06 15:06:01
 Comment:
 Correction Factor: 1

Elem	Ca3179	K_7664	Mg2790	Na3302
Avge	.0187368	-.013323	.0131973	.0092251
SDev	.0000522	.014416	.0025729	.0009780
%RSD	.2785264	108.2074	19.49542	10.60165

#1	.0187737	-.003129	.0113780	.0085335
#2	.0186999	-.023517	.0150166	.0099166

Factor	1.000000	1.000000	1.000000	1.000000
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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3522	--	--	--	--	--	--
SDev	9.811107	--	--	--	--	--	--
%RSD	.2785278	--	--	--	--	--	--
#1	3516	--	--	--	--	--	--
#2	3529	--	--	--	--	--	--

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Calibration Report

01/12/06 03:12:37 PM

page 1

Method: TRACE2 Standard Name: STD 1

Operator:

Run Time: 01/12/06 15:09:37

Comment:

Correction Factor: 1

Elem	Ca3179	K_7664	Mg2790	Na3302
Avge	4.139975	7.338139	8.180307	.3290854
SDev	.014799	.039449	.028677	.0063283
%RSD	.3574726	.5375855	.3505662	1.923005

#1	4.150439	7.366034	8.200585	.3246106
#2	4.129510	7.310245	8.160029	.3335602

Factor	1.000000	1.000000	1.000000	1.000000
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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3533	--	--	--	--	--	--
SDev	9.917276	--	--	--	--	--	--
%RSD	.2807349	--	--	--	--	--	--

#1	3540	--	--	--	--	--	--
#2	3526	--	--	--	--	--	--

209/419

Calibration Report

01/12/06 03:16:42 PM

page 1

Method: TRACE2 Standard Name: STD 2

Operator:

Run Time: 01/12/06 15:13:42

Comment:

Correction Factor: 1

Elem	Ca3179	K_7664	Mg2790	Na3302
Avge	20.09482	33.58319	40.76353	1.591690
SDev	.02826	.08707	.03667	.011993
%RSD	.1406230	.2592807	.0899606	.7534580

#1	20.07484	33.64476	40.73760	1.600170
#2	20.11480	33.52162	40.78946	1.583210

Factor	1.000000	1.000000	1.000000	1.000000
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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3509	--	--	--	--	--	--
SDev	16.65240	--	--	--	--	--	--
%RSD	.4745490	--	--	--	--	--	--

#1	3521	--	--	--	--	--	--
#2	3497	--	--	--	--	--	--

210/419

Calibration Report

01/12/06 03:20:30 PM

page 1

Method: TRACE2 Standard Name: STD 3
 Run Time: 01/12/06 15:17:30
 Comment:
 Correction Factor: 1

Operator:

Elem	Ca3179	K 7664	Mg2790	Na3302
Avge	40.33597	67.84751	83.22988	3.438724
SDev	.01648	.04579	.02288	.001151
%RSD	.0408663	.0674911	.0274958	.0334603

#1	40.32431	67.87989	83.21370	3.439537
#2	40.34763	67.81513	83.24606	3.437910

Factor	1.000000	1.000000	1.000000	1.000000
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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3465	--	--	--	--	--	--
SDev	2.598652	--	--	--	--	--	--
%RSD	.0750077	--	--	--	--	--	--

#1	3463	--	--	--	--	--	--
#2	3466	--	--	--	--	--	--

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Calibration Report

01/12/06 03:24:29 PM

page 1

Method: TRACE2 Standard Name: NAKCAMG100
 Run Time: 01/12/06 15:21:30
 Comment:
 Correction Factor: 1

Operator:

Elem	Ca3179	K 7664	Mg2790	Na3302
Avge	78.86287	127.0746	167.8150	7.177074
SDev	.04026	.3672	.0498	.016800
%RSD	.0510524	.2889405	.0296912	.2340797

#1	78.89134	126.8149	167.8502	7.165195
#2	78.83440	127.3342	167.7798	7.188953

Factor	1.000000	1.000000	1.000000	1.000000
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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3426	--	--	--	--	--	--
SDev	4.295639	--	--	--	--	--	--
%RSD	.1253794	--	--	--	--	--	--

#1	3423	--	--	--	--	--	--
#2	3429	--	--	--	--	--	--

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Calibration Report

01/12/06 03:28:33 PM

page 1

Method: TRACE2 Standard Name: NAKCAMG400

Operator:

Run Time: 01/12/06 15:25:33

Comment:

Correction Factor: 1

Elem	Ca3179	K 7664	Mg2790	Na3302
Avge	287.0898	413.3951	689.8328	32.30347
SDev	.8149	.4500	1.6912	.07109
%RSD	.2838392	.1088577	.2451552	.2200606

#1	287.6660	413.7133	691.0286	32.35374
#2	286.5136	413.0769	688.6370	32.25321

Factor	1.000000	1.000000	1.000000	1.000000
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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3251	--	--	--	--	--	--
SDev	8.379285	--	--	--	--	--	--
%RSD	.2577726	--	--	--	--	--	--
#1	3245	--	--	--	--	--	--
#2	3257	--	--	--	--	--	--

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Analysis Report

Summary

03/16/06 07:06:19 AM

page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	AD610590	A031506	TRACE2	03/16/06	01:20	SW	S	CONC
2	AD610591	A031506	TRACE2	03/16/06	01:25	SW	S	CONC
3	AD610592	A031506	TRACE2	03/16/06	01:30	SW	S	CONC
4	AD610593	A031506	TRACE2	03/16/06	01:46	SW	S	CONC
5	AD610736	A031506	TRACE2	03/16/06	01:51	SW	S	CONC
6	AD610879/(1:10)	A031506	TRACE2	03/15/06	17:46	SW	S	CONC
7	AD611021	A031506	TRACE2	03/15/06	22:03	SW	S	CONC
8	AD611028/FB	A031506	TRACE2	03/15/06	21:58	SW	S	CONC
9	AD611029/PB	A031506	TRACE2	03/15/06	21:54	SW	S	CONC
10	AD611072	A031506	TRACE2	03/15/06	11:34	SW	S	CONC
11	AD611072/L (1:5)	A031506	TRACE2	03/15/06	11:39	SW	S	CONC
12	AD611072/PS	A031506	TRACE2	03/15/06	11:44	SW	S	CONC
13	AD611073/FD	A031506	TRACE2	03/15/06	11:49	SW	S	CONC
14	AD611074/MS	A031506	TRACE2	03/15/06	11:54	SW	S	CONC
15	AD611075/SD	A031506	TRACE2	03/15/06	11:58	SW	S	CONC
16	AD611076	A031506	TRACE2	03/15/06	12:03	SW	S	CONC
17	AD611077	A031506	TRACE2	03/15/06	12:08	SW	S	CONC
18	AD611078	A031506	TRACE2	03/15/06	12:24	SW	S	CONC
19	AD611078/(1:20)	A031506	TRACE2	03/15/06	15:37	SW	S	CONC
20	AD611079	A031506	TRACE2	03/15/06	12:29	SW	S	CONC
21	AD611080	A031506	TRACE2	03/15/06	12:34	SW	S	CONC
22	AD611081	A031506	TRACE2	03/15/06	12:38	SW	S	CONC
23	AD611082	A031506	TRACE2	03/15/06	12:43	SW	S	CONC
24	AD611083	A031506	TRACE2	03/15/06	12:48	SW	S	CONC
25	AD611084/FB	A031506	TRACE2	03/15/06	11:29	SW	S	CONC
26	AD611085/PB	A031506	TRACE2	03/15/06	11:25	SW	S	CONC
27	AD611086	A031506	TRACE2	03/15/06	13:03	SW	S	CONC
28	AD611087	A031506	TRACE2	03/15/06	13:07	SW	S	CONC
29	AD611088	A031506	TRACE2	03/15/06	13:23	SW	S	CONC
30	AD611088/L (1:5)	A031506	TRACE2	03/15/06	13:28	SW	S	CONC
31	AD611088/PS	A031506	TRACE2	03/15/06	13:33	SW	S	CONC
32	AD611089/MS	A031506	TRACE2	03/15/06	13:38	SW	S	CONC
33	AD611090/SD	A031506	TRACE2	03/15/06	13:43	SW	S	CONC
34	AD611091	A031506	TRACE2	03/15/06	13:47	SW	S	CONC
35	AD611092/FD	A031506	TRACE2	03/15/06	13:52	SW	S	CONC
36	AD611093	A031506	TRACE2	03/15/06	13:57	SW	S	CONC
37	AD611094	A031506	TRACE2	03/15/06	14:02	SW	S	CONC
38	AD611095	A031506	TRACE2	03/15/06	14:07	SW	S	CONC
39	AD611096	A031506	TRACE2	03/15/06	14:23	SW	S	CONC
40	AD611097	A031506	TRACE2	03/15/06	14:27	SW	S	CONC
41	AD611098	A031506	TRACE2	03/15/06	14:32	SW	S	CONC
42	AD611099/FB	A031506	TRACE2	03/15/06	12:58	SW	S	CONC
43	AD611100/PB	A031506	TRACE2	03/15/06	12:53	SW	S	CONC
44	AD611101	A031506	TRACE2	03/15/06	14:47	SW	S	CONC
45	AD611102	A031506	TRACE2	03/15/06	14:52	SW	S	CONC
46	AD611103	A031506	TRACE2	03/15/06	14:56	SW	S	CONC
47	AD611103/L (1:5)	A031506	TRACE2	03/15/06	15:01	SW	S	CONC
48	AD611103/PS	A031506	TRACE2	03/15/06	15:06	SW	S	CONC
49	AD611104/MS	A031506	TRACE2	03/15/06	15:22	SW	S	CONC
50	AD611105/SD	A031506	TRACE2	03/15/06	15:27	SW	S	CONC
51	AD611106	A031506	TRACE2	03/15/06	15:32	SW	S	CONC
52	AD611107/FB	A031506	TRACE2	03/15/06	14:42	SW	S	CONC
53	AD611108/PB	A031506	TRACE2	03/15/06	14:37	SW	S	CONC

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	AD6111109	A031506	TRACE2	03/15/06	22:18	SW	S	CONC
55	AD6111110	A031506	TRACE2	03/15/06	22:23	SW	S	CONC
56	AD6111110/L (1:5)	A031506	TRACE2	03/15/06	22:28	SW	S	CONC
57	AD6111110/PS	A031506	TRACE2	03/15/06	22:43	SW	S	CONC
58	AD6111111	A031506	TRACE2	03/15/06	22:48	SW	S	CONC
59	AD6111112/MS	A031506	TRACE2	03/15/06	22:53	SW	S	CONC
60	AD6111113/SD	A031506	TRACE2	03/15/06	22:58	SW	S	CONC
61	AD6111114	A031506	TRACE2	03/15/06	23:03	SW	S	CONC
62	AD6111115	A031506	TRACE2	03/15/06	23:08	SW	S	CONC
63	AD6111116	A031506	TRACE2	03/15/06	23:13	SW	S	CONC
64	AD6111117	A031506	TRACE2	03/15/06	23:17	SW	S	CONC
65	AD6111118	A031506	TRACE2	03/15/06	23:22	SW	S	CONC
66	AD6111119	A031506	TRACE2	03/15/06	23:27	SW	S	CONC
67	AD6111120	A031506	TRACE2	03/16/06	00:46	SW	S	CONC
68	AD6111121	A031506	TRACE2	03/16/06	00:51	SW	S	CONC
69	AD6111122	A031506	TRACE2	03/16/06	00:56	SW	S	CONC
70	AD6111123	A031506	TRACE2	03/16/06	01:01	SW	S	CONC
71	AD6111124	A031506	TRACE2	03/16/06	01:06	SW	S	CONC
72	AD6111125	A031506	TRACE2	03/16/06	01:11	SW	S	CONC
73	AD6111126	A031506	TRACE2	03/16/06	01:16	SW	S	CONC
74	AD6111127/FB	A031506	TRACE2	03/15/06	22:13	SW	S	CONC
75	AD6111128/PB	A031506	TRACE2	03/15/06	22:08	SW	S	CONC
76	AD6111129	A031506	TRACE2	03/15/06	18:50	SW	S	CONC
77	AD6111130	A031506	TRACE2	03/15/06	18:55	SW	S	CONC
78	AD6111130/(1:5)	A031506	TRACE2	03/15/06	17:51	SW	S	CONC
79	AD6111131	A031506	TRACE2	03/15/06	19:00	SW	S	CONC
80	AD6111131/L(1:5)	A031506	TRACE2	03/15/06	19:05	SW	S	CONC
81	AD6111131/PS	A031506	TRACE2	03/15/06	19:09	SW	S	CONC
82	AD6111132/MS	A031506	TRACE2	03/15/06	19:14	SW	S	CONC
83	AD6111133/SD	A031506	TRACE2	03/15/06	19:19	SW	S	CONC
84	AD6111134	A031506	TRACE2	03/15/06	19:24	SW	S	CONC
85	AD6111135	A031506	TRACE2	03/15/06	19:29	SW	S	CONC
86	AD6111135/(1:5)	A031506	TRACE2	03/15/06	17:56	SW	S	CONC
87	AD6111136	A031506	TRACE2	03/15/06	19:45	SW	S	CONC
88	AD6111137	A031506	TRACE2	03/15/06	19:50	SW	S	CONC
89	AD6111137/(1:5)	A031506	TRACE2	03/15/06	18:00	SW	S	CONC
90	AD6111138	A031506	TRACE2	03/15/06	19:54	SW	S	CONC
91	AD6111139	A031506	TRACE2	03/15/06	19:59	SW	S	CONC
92	AD6111141	A031506	TRACE2	03/15/06	20:09	SW	S	CONC
93	AD6111141/(1:5)	A031506	TRACE2	03/15/06	18:05	SW	S	CONC
94	AD6111142	A031506	TRACE2	03/15/06	20:14	SW	S	CONC
95	AD6111142/(1:5)	A031506	TRACE2	03/15/06	18:10	SW	S	CONC
96	AD6111143	A031506	TRACE2	03/15/06	20:19	SW	S	CONC
97	AD6111143/(1:10)	A031506	TRACE2	03/15/06	18:15	SW	S	CONC
98	AD6111143/(1:5)	A031506	TRACE2	03/15/06	18:25	SW	S	CONC
99	AD6111144	A031506	TRACE2	03/15/06	20:23	SW	S	CONC
100	AD6111144/(1:5)	A031506	TRACE2	03/15/06	18:20	SW	S	CONC
101	AD6111145	A031506	TRACE2	03/15/06	20:28	SW	S	CONC
102	AD6111146	A031506	TRACE2	03/15/06	20:44	SW	S	CONC
103	AD6111147	A031506	TRACE2	03/15/06	20:49	SW	S	CONC
104	AD6111148	A031506	TRACE2	03/15/06	20:54	SW	S	CONC
105	AD6111149	A031506	TRACE2	03/15/06	20:59	SW	S	CONC
106	AD6111150/FB	A031506	TRACE2	03/15/06	18:45	SW	S	CONC
107	AD6111151/PB	A031506	TRACE2	03/15/06	18:29	SW	S	CONC

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	AD6111175	A031506	TRACE2	03/15/06	21:13	SW	S	CONC
109	AD6111175/L (1:5)	A031506	TRACE2	03/15/06	21:18	SW	S	CONC
110	AD6111175/PS	A031506	TRACE2	03/15/06	21:23	SW	S	CONC
111	AD6111176/MS	A031506	TRACE2	03/15/06	21:28	SW	S	CONC
112	AD6111177/SD	A031506	TRACE2	03/15/06	21:44	SW	S	CONC
113	AD6111178/SD	A031506	TRACE2	03/15/06	21:49	SW	S	CONC
114	AD6111179/FB	A031506	TRACE2	03/15/06	21:09	SW	S	CONC
115	AD6111180/PB	A031506	TRACE2	03/15/06	21:04	SW	S	CONC
116	AD6111224	A031506	TRACE2	03/16/06	02:06	SW	S	CONC
117	AD6111225	A031506	TRACE2	03/16/06	02:10	SW	S	CONC
118	AD6111225/L (1:5)	A031506	TRACE2	03/16/06	02:15	SW	S	CONC
119	AD6111225/PS	A031506	TRACE2	03/16/06	02:20	SW	S	CONC
120	AD6111226/MD	A031506	TRACE2	03/16/06	02:25	SW	S	CONC
121	AD6111227/MS	A031506	TRACE2	03/16/06	02:30	SW	S	CONC
122	AD6111228	A031506	TRACE2	03/16/06	02:46	SW	S	CONC
123	AD6111229	A031506	TRACE2	03/16/06	02:51	SW	S	CONC
124	AD6111230	A031506	TRACE2	03/16/06	02:56	SW	S	CONC
125	AD6111231	A031506	TRACE2	03/16/06	03:00	SW	S	CONC
126	AD6111232	A031506	TRACE2	03/16/06	03:05	SW	S	CONC
127	AD6111233	A031506	TRACE2	03/16/06	03:10	SW	S	CONC
128	AD6111234/FB	A031506	TRACE2	03/16/06	02:01	SW	S	CONC
129	AD6111235/PB	A031506	TRACE2	03/16/06	01:56	SW	S	CONC
130	AD6111340	A031506	TRACE2	03/15/06	20:04	SW	S	CONC
131	CCB	A031506	TRACE2	03/15/06	11:20	SW	B	CONC
132	CCB	A031506	TRACE2	03/15/06	12:19	SW	B	CONC
133	CCB	A031506	TRACE2	03/15/06	13:18	SW	B	CONC
134	CCB	A031506	TRACE2	03/15/06	14:18	SW	B	CONC
135	CCB	A031506	TRACE2	03/15/06	15:17	SW	B	CONC
136	CCB	A031506	TRACE2	03/15/06	16:03	SW	B	CONC
137	CCB	A031506	TRACE2	03/15/06	17:41	SW	B	CONC
138	CCB	A031506	TRACE2	03/15/06	18:40	SW	B	CONC
139	CCB	A031506	TRACE2	03/15/06	19:40	SW	B	CONC
140	CCB	A031506	TRACE2	03/15/06	20:39	SW	B	CONC
141	CCB	A031506	TRACE2	03/15/06	21:39	SW	B	CONC
142	CCB	A031506	TRACE2	03/15/06	22:39	SW	B	CONC
143	CCB	A031506	TRACE2	03/15/06	23:38	SW	B	CONC
144	CCB	A031506	TRACE2	03/16/06	00:41	SW	B	CONC
145	CCB	A031506	TRACE2	03/16/06	01:41	SW	B	CONC
146	CCB	A031506	TRACE2	03/16/06	02:41	SW	B	CONC
147	CCB	A031506	TRACE2	03/16/06	03:37	SW	B	CONC
148	CCV	A031506	TRACE2	03/15/06	11:15	SW	Q	CONC
149	CCV	A031506	TRACE2	03/15/06	12:14	SW	Q	CONC
150	CCV	A031506	TRACE2	03/15/06	13:14	SW	Q	CONC
151	CCV	A031506	TRACE2	03/15/06	14:13	SW	Q	CONC
152	CCV	A031506	TRACE2	03/15/06	15:12	SW	Q	CONC
153	CCV	A031506	TRACE2	03/15/06	15:59	SW	Q	CONC
154	CCV	A031506	TRACE2	03/15/06	17:36	SW	Q	CONC
155	CCV	A031506	TRACE2	03/15/06	18:36	SW	Q	CONC
156	CCV	A031506	TRACE2	03/15/06	19:35	SW	Q	CONC
157	CCV	A031506	TRACE2	03/15/06	20:35	SW	Q	CONC
158	CCV	A031506	TRACE2	03/15/06	21:34	SW	Q	CONC
159	CCV	A031506	TRACE2	03/15/06	22:34	SW	Q	CONC
160	CCV	A031506	TRACE2	03/15/06	23:33	SW	Q	CONC
161	CCV	A031506	TRACE2	03/16/06	00:37	SW	Q	CONC

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
162	CCV	A031506	TRACE2	03/16/06	01:36	SW	Q	CONC
163	CCV	A031506	TRACE2	03/16/06	02:36	SW	Q	CONC
164	CCV	A031506	TRACE2	03/16/06	03:32	SW	Q	CONC
165	CRI	A031506	TRACE2	03/15/06	10:59	SW	B	CONC
166	CRI	A031506	TRACE2	03/15/06	15:43	SW	B	CONC
167	CRI	A031506	TRACE2	03/15/06	16:46	SW	B	CONC
168	CRI	A031506	TRACE2	03/16/06	00:21	SW	B	CONC
169	CRI	A031506	TRACE2	03/16/06	03:16	SW	B	CONC
170	ICB	A031506	TRACE2	03/15/06	10:54	SW	B	CONC
171	ICB	A031506	TRACE2	03/15/06	16:41	SW	B	CONC
172	ICB	A031506	TRACE2	03/16/06	00:16	SW	B	CONC
173	ICSA	A031506	TRACE2	03/15/06	11:04	SW	Q	CONC
174	ICSA	A031506	TRACE2	03/15/06	15:48	SW	Q	CONC
175	ICSA	A031506	TRACE2	03/15/06	16:51	SW	Q	CONC
176	ICSA	A031506	TRACE2	03/16/06	00:26	SW	Q	CONC
177	ICSA	A031506	TRACE2	03/16/06	03:21	SW	Q	CONC
178	ICSAB	A031506	TRACE2	03/15/06	11:09	SW	Q	CONC
179	ICSAB	A031506	TRACE2	03/15/06	15:52	SW	Q	CONC
180	ICSAB	A031506	TRACE2	03/15/06	16:56	SW	Q	CONC
181	ICSAB	A031506	TRACE2	03/16/06	00:30	SW	Q	CONC
182	ICSAB	A031506	TRACE2	03/16/06	03:26	SW	Q	CONC
183	ICV	A031506	TRACE2	03/15/06	10:49	SW	Q	CONC
184	ICV	A031506	TRACE2	03/15/06	16:36	SW	Q	CONC
185	ICV	A031506	TRACE2	03/16/06	00:11	SW	Q	CONC
186	STD 1	A031506	TRACE2	03/15/06	10:31		X	IR
187	STD 1	A031506	TRACE2	03/15/06	16:18		X	IR
188	STD 1	A031506	TRACE2	03/15/06	23:53		X	IR
189	STD 2	A031506	TRACE2	03/15/06	10:35		X	IR
190	STD 2	A031506	TRACE2	03/15/06	16:22		X	IR
191	STD 2	A031506	TRACE2	03/15/06	23:57		X	IR
192	STD 3	A031506	TRACE2	03/15/06	10:40		X	IR
193	STD 3	A031506	TRACE2	03/15/06	16:27		X	IR
194	STD 3	A031506	TRACE2	03/16/06	00:01		X	IR
195	STD 3 VER	A031506	TRACE2	03/15/06	10:45	SW	B	CONC
196	STD 3 VER	A031506	TRACE2	03/15/06	16:31	SW	B	CONC
197	STD 3 VER	A031506	TRACE2	03/16/06	00:06	SW	B	CONC
198	STD BLK	A031506	TRACE2	03/15/06	10:26		X	IR
199	STD BLK	A031506	TRACE2	03/15/06	16:13		X	IR
200	STD BLK	A031506	TRACE2	03/15/06	23:48		X	IR

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#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
1	AD610590	.12853	-.00215	.01993	.18164	-.00004	53.061
2	AD610591	.31074	.00045	1.4344	.18836	.00000	39.193
3	AD610592	.96007	-.00060	.69379	.01842	.00003	5.9227
4	AD610593	.93110	.00063	.00897	.04379	.00005	65.295
5	AD610736	.00492	-.00014	.08831	.09080	.00003	52.203
6	AD610879/(1:10)	.02215	.00178	.05173	.02089	.00003	33.218
7	AD611021	.00485	.00293	.01080	.17021	-.00019	68.697
8	AD611028/PB	10.136	.20895	.19769	.21782	.20141	10.062
9	AD611029/PB	.00862	-.00030	.00206	-.00003	-.00024	.01665
10	AD611072	1.4112	.00132	.01437	.05230	.00014	101.04
11	AD611072/L (1:5)	.28860	.00063	.00490	.01133	.00004	19.967
12	AD611072/PS	11.143	.19559	.20553	.25162	.19368	108.92
13	AD611073/FD	1.9005	.00069	.01506	.05431	.00018	102.60
14	AD611074/MS	10.765	.20496	.20872	.24983	.20485	101.92
15	AD611075/SD	11.609	.20200	.20575	.26192	.19898	111.05
16	AD611076	.48061	.00454	.05051	.06160	.00022	188.05
17	AD611077	1.5932	.00365	.01570	.04661	.00018	33.316
18	AD611078	6.0397	.00209	.50908	7.1911	.00083	433.91
19	AD611078/(1:20)	.31638	.00044	.03859	.37128	.00017	20.297
20	AD611079	3.8657	.00303	.02440	.17607	.00030	99.414
21	AD611080	.04332	.00079	.02663	.04672	.00015	117.37
22	AD611081	.02793	.00057	.02315	.04552	.00016	114.36
23	AD611082	.05285	.00020	.02613	.04610	.00015	119.19
24	AD611083	.00487	-.00010	-.00013	.00030	.00004	.08511
25	AD611084/PB	10.067	.20444	.19958	.20459	.20450	9.8933
26	AD611085/PB	.02003	.00178	.00158	.00019	.00009	.02266
27	AD611086	.61582	.00414	.29502	.12636	.00063	204.14
28	AD611087	.51255	.00129	.02735	.02160	.00007	23.520
29	AD611088	2.3934	.00125	.02397	.02818	.00018	88.633
30	AD611088/L (1:5)	.51377	.00014	.00553	.00596	.00008	17.496
31	AD611088/PS	12.592	.19798	.21492	.23087	.19721	97.482
32	AD611089/MS	12.385	.21340	.22473	.24393	.20896	105.69
33	AD611090/SD	12.110	.20324	.21756	.22894	.20150	100.64
34	AD611091	.00965	.00235	.01101	.01567	.00013	81.627
35	AD611092/FD	.01131	.00004	.00880	.01598	.00011	82.078
36	AD611093	.18461	.00083	.03578	.02297	.00012	69.577
37	AD611094	.02661	.00062	.00559	.00582	.00008	3.1523
38	AD611095	.00567	.00205	.00876	.03667	.00017	143.38
39	AD611096	.06889	.00212	.01924	.03014	.00011	20.614
40	AD611097	.14905	.00254	.01922	.02550	.00012	22.102
41	AD611098	.03315	.00007	.00036	.00045	.00007	.24733
42	AD611099/PB	10.068	.20311	.19738	.20667	.20581	9.9845
43	AD611100/PB	.00343	.00040	.00113	.00017	.00004	.01226
44	AD611101	.00208	.02841	.04486	.06934	.00016	63.114
45	AD611102	.07560	.00261	.00597	.00668	.00008	6.9590
46	AD611103	.07824	.00243	.00662	.00284	.00008	2.5014
47	AD611103/L (1:5)	.01612	.00116	.00223	.00063	.00009	.48650
48	AD611103/PS	9.7443	.19825	.20223	.20056	.19971	12.076
49	AD611104/MS	10.354	.21099	.20814	.21039	.20892	12.632
50	AD611105/SD	10.142	.20872	.20367	.21115	.20598	12.499
51	AD611106	1.6576	.00085	.01145	.02187	.00020	29.380
52	AD611107/PB	10.165	.21024	.19899	.21626	.19899	10.210
53	AD611108/PB	.00302	.00021	.00014	.00008	.00008	.00360

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#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
54	AD6111109	1.9503	.00324	.10342	.03285	-.00011	78.186
55	AD6111110	8.5578	.00814	.38090	.21289	.00037	309.29
56	AD6111110/L (1:5)	2.0873	.00470	.07831	.04434	-.00004	60.286
57	AD6111110/PS	18.509	.21550	.57403	.42260	.19805	312.81
58	AD6111111	5.7726	.00802	.37635	.18070	.00026	295.74
59	AD6111112/MS	13.530	.21589	.60658	.36804	.19818	319.21
60	AD6111113/SD	16.401	.21511	.58014	.39691	.19709	307.47
61	AD6111114	14.908	.04105	.34190	.26241	.00134	303.44
62	AD6111115	1.7823	.01675	.27953	.30610	.00002	229.79
63	AD6111116	.06354	.00324	.34820	.04022	-.00023	32.599
64	AD6111117	.14237	.00127	.02429	.02237	-.00024	34.299
65	AD6111118	.04155	.00451	.03178	.02530	-.00023	39.306
66	AD6111119	.03251	.00455	.03024	.02170	-.00021	34.198
67	AD6111120	.25151	.00012	.02105	.02148	-.00001	33.065
68	AD6111121	.04535	.00146	.02885	.02744	.00002	44.322
69	AD6111122	.32884	-.00120	.02556	.09028	.00004	114.95
70	AD6111123	.56752	.00006	.04018	.07619	.00003	104.81
71	AD6111124	.53274	-.00069	.04244	.07560	.00002	106.72
72	AD6111125	.44991	-.00174	.04183	.07342	.00003	106.45
73	AD6111126	.38389	.02623	9.3677	.90517	.00016	136.56
74	AD6111127/FB	10.243	.20962	.19991	.22179	.20250	10.163
75	AD6111128/PB	.00482	.00296	.00219	-.00011	-.00024	.00577
76	AD6111129	.09168	.00728	.01728	.13715	.00006	79.171
77	AD6111130	.13607	.00053	18.460	.00937	.00061	H763.24
78	AD6111130/(1:5)	.03136	.00001	3.5354	.00180	.00017	138.95
79	AD6111131	.20163	.00462	.05617	.07247	.00011	67.182
80	AD6111131/L(1:5)	.04590	.00187	.02009	.01416	.00004	13.089
81	AD6111131/PS	9.9818	.20225	.22836	.27811	.19757	74.948
82	AD6111132/MS	10.519	.21262	.23378	.29255	.20340	76.931
83	AD6111133/SD	10.574	.21730	.23256	.29750	.20633	78.312
84	AD6111134	.14412	-.00050	.02981	.06445	.00008	95.040
85	AD6111135	.02113	.00315	9.3452	.00881	.00050	578.10
86	AD6111135/(1:5)	.00766	.00089	1.8077	.00167	.00012	108.36
87	AD6111136	.24566	.00927	.41068	.01135	.00035	484.69
88	AD6111137	.05192	.00210	8.9739	.02058	.00113	H1321.7
89	AD6111137/(1:5)	.02021	.00131	1.7144	.00403	.00042	213.39
90	AD6111138	.33900	.00306	.02751	.13323	.00018	99.537
91	AD6111139	.01070	.00109	.78360	.00954	.00037	H669.04
92	AD6111141	.03627	.00050	1.9852	.00681	.00054	H944.76
93	AD6111141/(1:5)	.00824	.00104	.38358	.00119	.00015	164.57
94	AD6111142	.03515	.00216	1.9895	.00785	.00050	H940.32
95	AD6111142/(1:5)	.01152	.00037	.37969	.00141	.00017	163.93
96	AD6111143	.02179	.00048	7.6944	.04702	.00094	H1192.7
97	AD6111143/(1:10))	.02126	.00032	.72252	.00458	.00027	95.788
98	AD6111143/(1:5)	5.8352	.01183	1.7054	.37335	.00063	4.8015
99	AD6111144	.10829	.00038	2.3472	.00802	.00029	H739.33
100	AD6111144/(1:5)	.02735	.00019	.44546	.00147	.00016	133.29
101	AD6111145	52.482	.02173	1.6391	.82614	.00584	119.83
102	AD6111146	29.165	.05077	8.8241	1.9158	.00283	24.993
103	AD6111147	7.6479	.01111	.80373	2.1797	.00088	44.482
104	AD6111148	2.3602	.00378	1.7530	.51792	-.00005	25.302
105	AD6111149	36.694	.02306	1.0769	.39177	.00323	40.946
106	AD6111150/FB	9.9742	.20369	.19541	.21289	.19884	9.8075
107	AD6111151/PB	.00452	.00080	.00492	-.00008	-.00001	.04511

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#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
108	AD6111175	.04958	.00304	.03737	.02686	-.00012	40.987
109	AD6111175/L (1:5)	.01302	.00143	.01020	.00512	-.00020	7.8628
110	AD6111175/PS	9.9149	.20583	.22904	.23644	.19921	48.925
111	AD6111176/MS	10.172	.20958	.22968	.24162	.19972	48.744
112	AD6111177/SD	10.395	.21563	.23255	.25035	.20523	50.091
113	AD6111178/SD	.06346	.00338	.03363	.03062	-.00014	47.006
114	AD6111179/FB	10.225	.20928	.20269	.22171	.20216	10.142
115	AD6111180/PB	.01856	.00287	.00901	.00000	-.00024	.00965
116	AD6111224	.08346	-.00146	.41877	.00362	.00017	224.48
117	AD6111225	.56261	-.00087	.38926	.00979	.00015	234.42
118	AD6111225/L (1:5)	.12917	L-.00516	.07652	.00194	.00007	46.156
119	AD6111225/PS	10.452	.20151	.58056	.20524	.19377	243.65
120	AD6111226/MD	.56257	.00066	.40320	.01002	.00015	243.04
121	AD6111227/MS	2.5115	.03988	.40269	1.9313	.04866	241.12
122	AD6111228	.07507	-.00098	.45834	.00400	.00028	272.71
123	AD6111229	.25612	.00251	.16474	.02712	.00018	104.80
124	AD6111230	.01494	-.00265	1.1710	.12375	.00027	252.81
125	AD6111231	.05593	-.00105	1.0113	.00669	.00051	567.27
126	AD6111232	4.8133	.00681	5.7672	.05394	.00204	C.00000
127	AD6111233	.16204	-.00047	5.2015	.01009	.00108	519.63
128	AD6111234/FB	9.7859	.19472	.19325	.19616	.19736	9.6528
129	AD6111235/PB	-.00010	-.00358	.00152	-.00005	.00000	.01202
130	AD6111340	1.6487	.00489	.37674	.12894	.00001	15.180
131	CCB	.00264	.00215	.00094	.00015	.00003	.00032
132	CCB	.01681	.00101	.00233	.00010	.00010	.01462
133	CCB	.01815	.00109	.00126	.00011	.00016	.01714
134	CCB	.02037	.00144	.00058	.00022	.00019	.01393
135	CCB	.01730	.00131	.00061	.00023	.00024	.01916
136	CCB	.00866	.00095	.00156	.00015	.00015	.00462
137	CCB	.00756	.00281	.00012	-.00006	.00005	-.00075
138	CCB	.00966	.00078	.00148	-.00003	.00009	-.00203
139	CCB	.00946	.00128	.00967	-.00007	.00013	-.00061
140	CCB	.00587	.00095	.00721	-.00003	-.00022	.00023
141	CCB	.00656	.00097	.00364	-.00005	-.00018	-.00227
142	CCB	.00670	.00096	.00168	.00000	-.00017	-.00091
143	CCB	.00729	.00101	.00214	.00000	-.00015	.00102
144	CCB	.00560	-.00218	.00027	-.00006	.00004	.00668
145	CCB	.00089	-.00214	.00339	-.00009	-.00001	.00737
146	CCB	.00073	-.00099	.00128	-.00006	.00010	.01090
147	CCB	.00474	-.00136	.00261	-.00008	.00019	.01507
148	CCV	25.179	.49788	.49062	.49465	.50391	25.373
149	CCV	25.336	.49612	.48878	.49284	.50544	25.434
150	CCV	25.536	.50230	.49106	.50247	.50699	25.566
151	CCV	25.475	.49967	.48848	.50557	.50762	25.622
152	CCV	25.372	.49897	.48856	.49632	.50738	25.543
153	CCV	25.407	.50283	.48886	.50710	.51091	25.737
154	CCV	25.817	.50754	.49353	.52324	.51003	26.160
155	CCV	25.641	.50300	.48978	.52521	.50625	25.959
156	CCV	25.861	.50635	.50318	.52858	.50703	26.020
157	CCV	26.206	.51693	.51113	.53681	.51185	26.552
158	CCV	26.055	.51869	.50385	.53430	.50973	26.412
159	CCV	25.959	.51089	.49929	.52749	.50750	26.226
160	CCV	25.828	.51093	.49803	.52051	.50469	26.095
161	CCV	25.006	.49395	.48803	.48451	.49841	25.229

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#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
162	CCV	25.463	.49813	.49982	.48650	.50553	25.544
163	CCV	25.011	.49230	.48860	.47120	.49930	25.257
164	CCV	24.886	.49727	.48727	.47824	.50515	25.629
165	CRI	.20316	.01102	.05766	.00220	.00196	.48427
166	CRI	.19929	.01054	.05692	.00222	.00210	.48563
167	CRI	.20273	.01362	.05799	.00206	.00205	.49132
168	CRI	.20109	.00738	.05774	.00197	.00196	.48431
169	CRI	.19398	.00687	.06469	.00184	.00217	.49913
170	ICB	-.00055	-.00081	.00124	.00016	-.00001	-.00117
171	ICB	.00249	.00218	.00080	-.00002	.00005	.00390
172	ICB	.00205	-.00177	.00026	-.00013	.00004	.00267
173	ICSA	516.29	.00390	.05785	.01269	.00137	547.17
174	ICSA	513.66	.00080	.05597	.01186	.00152	540.64
175	ICSA	513.70	.00003	.05676	.01197	.00135	545.80
176	ICSA	510.95	-.00399	.03333	.01205	.00133	539.41
177	ICSA	501.85	.00212	.03942	.01140	.00149	542.97
178	ICSAB	516.59	.10263	.00696	.52679	.49922	542.35
179	ICSAB	520.55	.10627	.00601	.52961	.50624	551.18
180	ICSAB	518.86	.10370	.00663	.51538	.49797	545.50
181	ICSAB	515.19	.10385	.00676	.52384	.49622	541.70
182	ICSAB	509.33	.10260	.01172	.50906	.50079	549.32
183	ICV	19.024	.36902	.37105	.36840	.37749	18.911
184	ICV	19.102	.37297	.37183	.37328	.37969	19.192
185	ICV	18.843	.36879	.36457	.36683	.37429	18.913
186	STD 1	8.43732	.94789	1.56908	3.90317	6.70911	
187	STD 1	8.523	.98971	1.58918	4.1315	6.85161	
188	STD 1	8.70891	1.02448	1.6412	4.38495	6.93011	
189	STD 2	41.6528	4.71986	7.36998	19.3799	32.2924	
190	STD 2	41.5098	4.7079	7.36265	19.761	32.5106	
191	STD 2	42.2434	4.86993	7.4777	20.9338	32.7805	
192	STD 3	84.4185	9.48034	14.7809	39.6321	64.4048	47.2865
193	STD 3	84.3834	9.54181	14.8183	39.6433	65.1415	47.5653
194	STD 3	86.0795	9.91082	15.0866	42.2125	65.7531	48.8955
195	STD 3 VER	50.039	.97739	1.0023	.98092	.98783	49.644
196	STD 3 VER	50.713	1.0011	1.0159	1.0123	1.0041	51.138
197	STD 3 VER	50.611	1.0094	1.0096	1.0020	1.0008	50.897
198	STD BLK	.05421	-.01018	.09603	.00177	.21633	.02551
199	STD BLK	.05626	-.01	.11961	.00855	.22504	.02421
200	STD BLK	.06202	.02161	.1344	.00784	.21757	.02095
#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
1	AD610590	-.00009	-.00047	.00000	.00109	.06551	1.9474
2	AD610591	.00016	-.00031	.00039	.00675	1.1589	8.6942
3	AD610592	.00025	.00007	.00097	.00598	.77237	2.9804
4	AD610593	-.00008	-.00048	.00001	.00228	.02270	4.4772
5	AD610736	.00013	.00530	-.00029	.00268	.03232	82.502
6	AD610879/(1:10)	-.00006	-.00002	.00025	-.00037	.01041	4.0943
7	AD611021	.00002	-.00008	.00099	-.00108	.01138	.58955
8	AD611028/FB	.20088	.20049	.19898	.20558	9.9168	10.004
9	AD611029/PB	.00001	.00000	.00040	-.00212	.00408	-.01188
10	AD611072	-.00006	.00122	.61460	.01312	3.6033	1.4909
11	AD611072/L (1:5)	-.00022	.00041	.12359	.00211	.72043	.27620

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#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
12	AD611072/PS	.19174	.19070	.79131	.21514	13.223	11.953
13	AD611073/FD	-.00007	.00193	.56476	.01468	4.7216	1.6908
14	AD611074/MS	.20156	.20473	.34689	.21056	12.094	11.800
15	AD611075/SD	.19587	.20067	.86081	.22165	16.594	12.013
16	AD611076	.00094	.00079	.00164	.01350	.52393	1.6290
17	AD611077	.00009	.00687	.00268	.03366	2.4464	.95575
18	AD611078	.00013	.00503	.02735	.01809	10.434	81.683
19	AD611078/(1:20)	-.00006	.00000	.00138	.00085	.51670	2.3916
20	AD611079	-.00022	.00172	.00454	.00647	4.8987	2.2630
21	AD611080	-.00012	.00062	.00044	.00041	.23179	2.2093
22	AD611081	.00000	.00039	.00087	.00103	.21792	1.9792
23	AD611082	-.00006	.00013	.00058	.00128	.24829	2.2458
24	AD611083	-.00018	.00013	.00058	-.00064	.00339	.01111
25	AD611084/FB	.20289	.20467	.20442	.20323	10.260	10.094
26	AD611085/PB	-.00002	.00068	.00054	.00033	.01407	.00676
27	AD611086	.00004	.00013	.00152	.00588	34.059	5.5996
28	AD611087	-.00030	.00029	.00095	.00104	.64480	2.0560
29	AD611088	-.00019	.00057	.00130	.00513	2.0453	1.9776
30	AD611088/L (1:5)	-.00025	-.00014	.00208	.00052	.39915	.38753
31	AD611088/PS	.19377	.19214	.20849	.20947	11.882	11.996
32	AD611089/MS	.20425	.20586	.21820	.21425	12.294	12.235
33	AD611090/SD	.19642	.19944	.21234	.20621	11.951	12.003
34	AD611091	-.00012	.00024	.00107	.00008	.01205	1.6463
35	AD611092/FD	-.00024	.00024	.00103	-.00008	.01938	1.6357
36	AD611093	-.00011	.00014	.00097	.00045	.28288	2.2360
37	AD611094	-.00016	.00040	.00085	-.00054	.03060	.36499
38	AD611095	-.00034	.00014	.00889	.00042	.06637	1.3702
39	AD611096	.00002	.00048	.00081	.00194	.18433	1.3816
40	AD611097	-.00009	.00015	.00094	.00307	.26218	1.5919
41	AD611098	-.00014	.00019	.00052	-.00080	.01312	.01565
42	AD611099/FB	.20388	.20615	.20571	.20584	10.270	9.9902
43	AD611100/PB	-.00014	.00046	-.00004	-.00064	-.00168	.01243
44	AD611101	-.00011	.00822	-.00024	-.00006	18.930	.89236
45	AD611102	-.00003	.00052	.00042	.00182	.22758	1.0116
46	AD611103	-.00011	.00030	.00041	.00146	.06132	2.2151
47	AD611103/L (1:5)	-.00014	.00021	-.00005	.00091	.01498	.42159
48	AD611103/PS	.19855	.19625	.20036	.20905	10.139	12.055
49	AD611104/MS	.20646	.20834	.20870	.21065	10.484	12.531
50	AD611105/SD	.20316	.20492	.20470	.20833	10.269	12.248
51	AD611106	-.00001	.00068	.00187	.00471	1.7248	1.5706
52	AD611107/FB	.20716	.20804	.20746	.20977	10.336	9.9270
53	AD611108/PB	-.00021	.00035	.00000	-.00082	.00567	.00772
54	AD611109	-.00010	.00023	.03645	.00427	.65590	294.09
55	AD611110	.00020	.00555	.01754	.06540	19.822	38.342
56	AD611110/L (1:5)	.00014	.00120	.00408	.01231	4.1428	7.2408
57	AD611110/PS	.19585	.19556	.21115	.27581	29.222	48.816
58	AD611111	.00022	.00394	.01160	.04697	14.925	37.585
59	AD611112/MS	.19564	.19683	.19959	.23636	20.633	49.326
60	AD611113/SD	.19444	.19693	.20469	.25012	25.163	49.711
61	AD611114	.00008	.00834	.02168	.03212	19.078	20.709
62	AD611115	.00071	.00298	.00717	.08263	12.441	61.326
63	AD611116	-.00005	-.00037	.00065	.00132	.23058	15.696
64	AD611117	.00004	-.00016	.00064	.00374	.13006	1.4559
65	AD611118	.00005	-.00024	.00076	.00497	.13446	1.8896

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#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
66	AD6111119	-.00001	-.00012	.00086	.00340	.09338	1.6724
67	AD6111120	.00001	-.00024	.00126	.01060	.34913	1.4377
68	AD6111121	-.00007	-.00066	.00100	.00503	.17924	2.6439
69	AD6111122	.00010	-.00013	.00128	.00279	.25362	3.2916
70	AD6111123	-.00001	-.00001	.00114	.00494	.47376	16.136
71	AD6111124	-.00001	.00030	.00136	.00421	.41926	16.148
72	AD6111125	.00000	-.00016	.00171	.00431	.33378	15.669
73	AD6111126	-.00004	.02116	.04354	.01286	4.9022	283.93
74	AD6111127/FB	.20279	.20157	.19954	.20621	9.9474	10.076
75	AD6111128/PB	-.00006	-.00013	.00057	-.00137	.00978	-.00971
76	AD6111129	.00005	.00070	.00153	-.00049	.28969	1.6149
77	AD6111130	.00012	-.00026	.00161	-.00030	1.1587	91.113
78	AD6111130/(1:5)	.00004	-.00001	.00032	-.00042	.22658	13.643
79	AD6111131	-.00011	-.00004	.00129	-.00086	.25013	1.2887
80	AD6111131/L(1:5)	.00010	-.00034	.00055	-.00074	.06240	.23565
81	AD6111131/PS	.19470	.18973	.19575	.20653	10.072	11.369
82	AD6111132/MS	.19949	.19749	.20010	.20506	10.201	11.687
83	AD6111133/SD	.20159	.20019	.20218	.20918	10.335	11.720
84	AD6111134	.00005	.00025	.00145	-.00106	.12089	.63651
85	AD6111135	.00007	.00034	.00151	-.00038	.52196	34.481
86	AD6111135/(1:5)	-.00003	.00001	.00024	-.00122	.09792	5.3309
87	AD6111136	.00005	.00030	.00082	-.00120	.30539	3.5274
88	AD6111137	.00000	-.00022	.00042	-.00142	1.5986	283.38
89	AD6111137/(1:5)	.00007	.00017	.00003	-.00087	.32035	43.507
90	AD6111138	.00004	-.00006	.00288	-.00059	.26444	2.3742
91	AD6111139	-.00006	.00154	.00041	-.00119	1.5729	13.420
92	AD6111141	.00000	.00045	.00088	-.00124	4.1969	41.475
93	AD6111141/(1:5)	-.00004	-.00009	.00020	-.00063	.84965	6.2986
94	AD6111142	-.00007	-.00015	.00131	-.00089	4.0798	41.393
95	AD6111142/(1:5)	.00011	-.00011	-.00032	-.00097	.82443	6.2622
96	AD6111143	-.00012	.00051	.00056	-.00217	.22939	256.90
97	AD6111143/(1:10))	.00004	.00004	.00039	-.00121	.02705	16.748
98	AD6111143/(1:5)	.00103	.00566	.04000	.03430	9.5938	49.680
99	AD6111144	.00016	.00047	.00124	-.00071	.27188	29.826
100	AD6111144/(1:5)	.00008	.00011	.00052	-.00077	.06532	4.3403
101	AD6111145	.00054	.07002	.09085	.09772	82.419	84.239
102	AD6111146	.00533	.02828	.19856	.17636	47.454	291.59
103	AD6111147	-.00030	.02285	.02968	.03115	49.130	14.744
104	AD6111148	-.00001	.00128	.00501	.01193	2.2212	38.702
105	AD6111149	-.00060	.03659	.10068	.05333	115.74	43.622
106	AD6111150/FB	.19582	.19622	.19605	.20249	9.7542	9.7436
107	AD6111151/PB	-.00003	-.00019	.00049	-.00105	.00633	.00236
108	AD6111175	.00011	.00000	.00121	.00474	.16658	1.9534
109	AD6111175/L (1:5)	-.00005	.00013	.00042	-.00084	.03072	.34200
110	AD6111175/PS	.19768	.19348	.19637	.21712	10.037	12.287
111	AD6111176/MS	.19780	.19758	.19635	.20869	9.9164	12.296
112	AD6111177/SD	.20326	.20221	.20122	.21574	10.163	12.532
113	AD6111178/SD	.00018	.00014	.00088	.00378	.21587	2.7734
114	AD6111179/FB	.20185	.20092	.19832	.20619	9.8966	10.029
115	AD6111180/PB	.00000	-.00038	.00053	-.00141	.01543	-.00357
116	AD6111224	.00059	-.00027	.00085	.00157	.39937	18.478
117	AD611225	.00021	-.00019	.00063	.00120	.38592	19.087
118	AD611225/L (1:5)	.00004	-.00021	.00003	.00066	.06396	3.3968
119	AD611225/PS	.19492	.19138	.19513	.20467	10.287	29.980

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#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
120	AD611226/MD	.00005	.00026	.00096	.00172	.40952	19.828
121	AD611227/MS	.04800	.49218	.19669	.24199	1.4247	19.646
122	AD611228	.00010	-.00011	.00052	.00121	.12146	19.479
123	AD611229	.00014	-.00016	.00124	.00076	4.2166	6.2333
124	AD611230	.00006	.00041	.00249	.00109	1.1685	42.328
125	AD611231	.00070	-.00052	.00058	.00287	.38970	35.584
126	AD611232	.00006	.00207	.00509	.01963	25.052	371.13
127	AD611233	.00098	-.00016	.00666	.00194	.51759	147.79
128	AD611234/FB	.19683	.19890	.19872	.19763	9.9334	9.7602
129	AD611235/PB	.00017	-.00007	.00061	.00096	.00636	-.01829
130	AD611340	.00001	.00030	.00269	.00012	1.2359	15.850
131	CCB	-.00016	.00016	-.00013	-.00061	.00450	.01056
132	CCB	.00006	-.00030	-.00016	-.00007	.00795	.00439
133	CCB	.00004	.00024	-.00006	-.00001	.00633	.00787
134	CCB	-.00007	.00050	.00022	-.00089	.00855	.00983
135	CCB	.00015	.00020	.00006	.00004	.00758	.01291
136	CCB	-.00017	.00010	-.00019	-.00046	.00467	.00359
137	CCB	.00027	.00010	.00039	-.00032	.01623	-.00294
138	CCB	.00009	-.00012	.00027	-.00118	.00749	-.00817
139	CCB	.00007	.00000	.00029	-.00107	.01455	-.00561
140	CCB	.00005	-.00055	.00010	-.00202	.00564	-.00149
141	CCB	.00001	-.00007	.00010	-.00195	.00459	.00123
142	CCB	.00006	-.00012	.00036	-.00131	.00198	-.00558
143	CCB	.00004	.00011	.00034	-.00100	.00775	-.00234
144	CCB	.00001	-.00055	.00029	.00062	.01068	-.01309
145	CCB	.00011	-.00049	.00028	.00095	.01279	-.00945
146	CCB	.00003	-.00058	.00032	.00101	.02327	-.01602
147	CCB	.00021	-.00022	.00039	.00123	.01081	-.02222
148	CCV	.49550	.49800	.50113	.52075	25.183	25.456
149	CCV	.49574	.49846	.50171	.52135	25.197	25.409
150	CCV	.49635	.49772	.50204	.52651	25.177	25.475
151	CCV	.49687	.49817	.50130	.52621	25.105	25.345
152	CCV	.49640	.49845	.50278	.52202	25.172	25.239
153	CCV	.49911	.49962	.50327	.52723	25.250	25.350
154	CCV	.49815	.49728	.49926	.53494	24.991	25.595
155	CCV	.49334	.49181	.49431	.53226	24.715	25.335
156	CCV	.49433	.49373	.49535	.53489	24.809	25.637
157	CCV	.50471	.50027	.50026	.53836	25.055	26.109
158	CCV	.50280	.49949	.49931	.53634	25.015	26.039
159	CCV	.50139	.49791	.49845	.53331	24.979	26.041
160	CCV	.50096	.49801	.49677	.52903	24.962	25.984
161	CCV	.48956	.49462	.49820	.51408	24.976	25.339
162	CCV	.49760	.50217	.50630	.52048	25.408	25.686
163	CCV	.49503	.49769	.50093	.50818	25.178	25.303
164	CCV	.49955	.50224	.50526	.50985	25.389	25.198
165	CRI	.00079	.00376	.00370	.00890	.05519	.43987
166	CRI	.00086	.00380	.00338	.00890	.05272	.44637
167	CRI	.00096	.00406	.00381	.01026	.05776	.42990
168	CRI	.00115	.00351	.00369	.00987	.04995	.42111
169	CRI	.00092	.00362	.00424	.01033	.05180	.41508
170	ICB	-.00006	-.00024	-.00035	-.00038	.00335	.01465
171	ICB	.00024	-.00040	.00026	.00005	.01153	-.00002
172	ICB	.00006	-.00071	.00008	.00031	-.00555	-.00738
173	ICSA	.00150	.00100	-.01324	.00051	193.26	-.00193

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#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
174	ICSA	.00293	.00072	-.01330	.00119	195.13	-.00049
175	ICSA	.00186	.00082	-.01259	.00161	192.73	-.01321
176	ICSA	-.00009	.00001	-.01298	.00111	191.64	-.01379
177	ICSA	.00075	.00055	-.01249	.00160	194.83	-.03680
178	ICSAB	.95028	.47194	.48016	.52101	96.499	.00216
179	ICSAB	.96261	.47498	.48404	.52356	97.202	.00770
180	ICSAB	.94940	.47063	.48139	.51777	96.714	-.00950
181	ICSAB	.94687	.46930	.47685	.51664	95.896	-.02764
182	ICSAB	.96360	.47428	.48229	.50439	97.043	-.03004
183	ICV	.37120	.37447	.37617	.39087	18.929	19.013
184	ICV	.37328	.37527	.37825	.39301	18.949	18.873
185	ICV	.36808	.37049	.37284	.38548	18.673	18.682
186	STD 1	11.667	.711	1.83472	.84839	1.59731	
187	STD 1	11.8468	.71809	1.84141	.86367	1.60765	
188	STD 1	12.0905	.72611	1.84989	.87962	1.61653	
189	STD 2	57.0102	3.52119	8.98022	3.95133	7.84038	
190	STD 2	57.0398	3.52255	8.99334	3.97692	7.85099	
191	STD 2	57.9852	3.53839	8.97541	4.05231	7.84897	
192	STD 3	114.193	7.04835	17.95	7.90667	15.6586	58.8205
193	STD 3	114.804	7.08708	18.1178	7.94633	15.813	58.7578
194	STD 3	116.875	7.13737	18.1145	8.1424	15.8225	60.0099
195	STD 3 VER	.98208	.98933	.99297	.99411	49.612	51.275
196	STD 3 VER	1.0010	1.0017	1.0027	1.0071	50.135	51.244
197	STD 3 VER	.99714	1.0020	1.0029	1.0027	50.083	51.306
198	STD BLK	-.01399	-.00797	.01063	.06591	-.00017	-.04199
199	STD BLK	-.03844	-.00637	.00345	.05843	-.00164	-.02199
200	STD BLK	-.0349	-.00443	.00372	.04735	-.00017	-.01535

#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
1	AD610590	4.7449	.00236	.00036	9.3129	.00018	-.00114
2	AD610591	19.481	.04563	.00190	138.32	.00105	.00000
3	AD610592	1.5117	.01323	-.00035	144.53	.00143	-.00042
4	AD610593	1.4045	.00057	.00083	16.360	.00314	-.00034
5	AD610736	22.838	6.1662	-.00025	20.648	.03122	-.00046
6	AD610879/(1:10)	.11673	.00034	.00108	90.740	-.00038	.00238
7	AD611021	14.236	.00728	.00145	3.0437	.00051	.00243
8	AD611028/FB	10.083	.19729	.20023	10.626	.20551	.20465
9	AD611029/FB	.00113	.00010	.00028	-.06936	.00007	.00099
10	AD611072	4.8458	.12504	.00884	98.929	.04454	.00483
11	AD611072/L (1:5)	.98347	.02503	.00227	20.057	.00879	.00228
12	AD611072/PS	14.352	.31053	.20188	107.15	.23852	.18825
13	AD611073/FD	5.0618	.16172	.00573	100.62	.04704	.00405
14	AD611074/MS	14.413	.27205	.20487	79.541	.22713	.20784
15	AD611075/SD	14.831	.43649	.20453	114.17	.27214	.20052
16	AD611076	18.394	.48305	.00050	3.3313	.00389	-.00133
17	AD611077	7.4507	.28427	.00080	2.5132	.01130	.00624
18	AD611078	41.369	.33082	.00450	H2006.0	.01688	.00613
19	AD611078/(1:20)	2.1131	.01654	.00098	142.40	.00065	.00321
20	AD611079	23.125	.38612	.00016	3.1318	.00439	.00666
21	AD611080	16.452	.43081	.00143	103.86	.00068	.00404
22	AD611081	16.308	.35000	-.00003	107.62	.00116	-.00017
23	AD611082	16.957	.41991	.00079	126.81	-.00001	.00443

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#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
24	AD611083	.00520	.00013	-.00020	.33682	.00003	.00266
25	AD611084/FB	10.112	.20368	.20326	10.557	.20461	.20635
26	AD611085/PB	.01957	.00024	.00064	.19117	.00028	.00039
27	AD611086	50.672	.98972	.00119	19.110	.00155	.00527
28	AD611087	6.8038	.04002	.00067	10.487	.00084	.00289
29	AD611088	10.586	.48244	.00001	5.0159	.00666	.00302
30	AD611088/L (1:5)	2.1329	.09658	.00001	1.2422	.00177	.00478
31	AD611088/PS	20.196	.65899	.19559	15.177	.20342	.19284
32	AD611089/MS	21.422	.70003	.20585	16.072	.21340	.20851
33	AD611090/SD	20.626	.68760	.19938	15.559	.20438	.20064
34	AD611091	9.4505	.00071	.00107	4.4282	.01376	.00169
35	AD611092/FD	9.4483	.00086	.00001	4.3921	.01328	.00245
36	AD611093	7.2228	.06278	.00070	.92556	.00038	.00290
37	AD611094	.84791	.00339	.00032	1.5299	.00066	-.00064
38	AD611095	19.128	.30932	.00050	30.102	.00145	.00497
39	AD611096	2.8486	.07519	.00064	1.6905	.00080	.00043
40	AD611097	2.6126	.00981	.00092	1.5139	.00072	.00407
41	AD611098	.00826	.00032	.00057	.57378	.00025	.00254
42	AD611099/FB	10.184	.20353	.20343	10.412	.20604	.20557
43	AD611100/PB	.00287	.00004	.00048	.18682	-.00012	.00323
44	AD611101	13.484	7.8548	.00102	8.8901	.00322	.00250
45	AD611102	.78495	.23165	-.00014	.77280	.00040	.00212
46	AD611103	.36265	.01355	.00064	1.0846	.00018	.00447
47	AD611103/L (1:5)	.07059	.00276	.00025	.27777	.00063	-.00040
48	AD611103/PS	10.354	.20874	.19781	11.115	.20125	.19830
49	AD611104/MS	10.713	.22079	.20720	11.486	.20820	.21043
50	AD611105/SD	10.543	.21664	.20369	11.297	.20622	.20959
51	AD611106	3.8208	.30360	.00106	1.9315	.00207	.00578
52	AD611107/FB	10.329	.20535	.20566	10.599	.21048	.20565
53	AD611108/PB	.00449	.00003	.00020	-.01483	.00013	.00221
54	AD611109	.70005	.01766	.03824	20.096	.00131	.00482
55	AD611110	83.930	1.1576	.00512	60.893	.01965	.16969
56	AD611110/L (1:5)	16.855	.23737	.00124	12.081	.00448	.03280
57	AD611110/PS	92.355	1.3287	.20523	70.360	.21695	.36322
58	AD611111	79.078	1.0465	.00530	60.409	.01480	.10335
59	AD611112/MS	95.359	1.2259	.20369	74.922	.20863	.25844
60	AD611113/SD	89.880	1.2585	.20362	72.330	.21072	.30672
61	AD611114	55.850	1.2200	.00496	18.222	.02080	.09489
62	AD611115	57.648	.97193	.00556	38.260	.00960	.06891
63	AD611116	5.2599	.00683	.00730	10.910	.00099	-.00076
64	AD611117	8.8193	.00264	.00171	11.639	.00063	.00261
65	AD611118	9.4893	.00365	.03803	44.749	.02608	.00463
66	AD611119	8.3425	.00210	.03619	23.630	.02520	.00250
67	AD611120	8.6422	.00484	.00228	10.955	.00137	-.00155
68	AD611121	10.587	.00524	.03697	241.22	.02434	.00135
69	AD611122	45.143	.02178	.00263	26.580	.00157	-.00447
70	AD611123	41.948	.02836	.00381	24.346	.00210	-.00052
71	AD611124	42.537	.03902	.00326	24.936	.00231	-.00123
72	AD611125	42.400	.01906	.00321	24.804	.00204	-.00073
73	AD611126	101.21	.51483	.02318	787.71	.11461	.00250
74	AD611127/FB	10.168	.19786	.20194	10.773	.20779	.20742
75	AD611128/PB	-.00115	.00031	-.00018	.06119	.00029	-.00005
76	AD611129	42.662	.02440	8.9154	.00179	.00138	
77	AD611130	169.87	.04740	.00093	H1353.4	.00068	.00030

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#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
78	AD611130/(1:5)	33.847	.00954	-.00015	323.24	-.00034	.00022
79	AD611131	41.456	.03705	.00205	7.4054	.00103	.00058
80	AD611131/L(1:5)	8.2433	.00753	.00060	1.5174	-.00012	.00135
81	AD611131/PS	50.357	.22795	.19892	17.966	.19889	.19276
82	AD611132/MS	51.354	.23568	.20310	18.157	.20327	.20146
83	AD611133/SD	52.024	.23838	.20534	18.167	.20573	.20325
84	AD611134	36.436	.00683	-.00007	4.0611	.00003	.00049
85	AD611135	112.18	.02636	.00132	682.87	.00161	-.00283
86	AD611135/(1:5)	22.449	.00530	.00034	142.19	.00012	-.00089
87	AD611136	102.01	.11725	.00382	33.222	.00024	-.00024
88	AD611137	188.70	.09918	.00179	H4206.0	.00104	.00459
89	AD611137/(1:5)	38.127	.01993	-.00013	H1596.7	.00076	-.00189
90	AD611138	50.777	.00740	.00071	53.594	.00132	-.00027
91	AD611139	53.206	.04770	.00147	110.79	.00026	.00023
92	AD611141	79.615	.03515	.00060	758.51	.00074	.00152
93	AD611141/(1:5)	15.804	.00709	.00023	159.89	.00019	.00225
94	AD611142	79.175	.03599	.00105	761.16	.00078	.00013
95	AD611142/(1:5)	15.720	.00719	.00010	160.05	-.00020	.00161
96	AD611143	168.38	.04260	.00254	H3771.7	.00204	.00103
97	AD611143/(1:10)	16.678	.00430	.00047	766.32	.00091	.00293
98	AD611143/(1:5)	.97499	.16602	.17752	388.78	.01355	.24392
99	AD611144	62.938	.02114	.00083	H880.68	.00148	-.00070
100	AD611144/(1:5)	12.418	.00426	.00023	189.81	.00033	-.00048
101	AD611145	60.061	2.3681	.00502	233.56	.10267	.11419
102	AD611146	4.8564	.82864	.92316	H1512.3	.06991	1.2628
103	AD611147	23.130	1.0635	.02200	115.94	.01283	.02294
104	AD611148	38.035	.08307	.01982	119.89	.00310	.02906
105	AD611149	16.233	4.5930	.00481	129.05	.05725	.04269
106	AD611150/FB	9.8278	.19450	.19591	10.256	.20012	.19707
107	AD611151/PB	.00135	.00004	.00027	.19729	-.00015	.00293
108	AD611175	9.8416	.00390	.03940	46.533	.02725	.00350
109	AD611175/L (1:5)	1.9194	.00078	.00802	9.2197	.00548	.00218
110	AD611175/PS	19.427	.19639	.23582	55.061	.22927	.19810
111	AD611176/MS	19.306	.19894	.23480	54.407	.22740	.20374
112	AD611177/SD	19.764	.20401	.24173	55.820	.23431	.20834
113	AD611178/SD	11.014	.00506	.03841	255.65	.02612	.00195
114	AD611179/FB	10.098	.19675	.20030	10.829	.20677	.20019
115	AD611180/PB	.00237	.00030	.00011	-.03236	.00032	.00074
116	AD611224	106.52	.01771	.00212	132.87	.00105	-.00226
117	AD611225	163.25	.02668	.00062	91.677	.00307	-.00172
118	AD611225/L (1:5)	32.196	.00544	.00075	18.292	.00051	-.00119
119	AD611225/PS	172.13	.22170	.20131	101.28	.19698	.19719
120	AD611226/MD	168.88	.02775	.00111	95.520	.00381	-.00261
121	AD611227/MS	167.73	.52469	.00038	94.373	.48208	.02146
122	AD611228	163.94	.02384	.00138	111.51	.00097	-.00027
123	AD611229	44.145	.07303	.15360	131.13	.00027	-.00102
124	AD611230	85.839	.51804	.00055	158.98	.00391	-.00307
125	AD611231	130.36	.03446	.00083	460.72	.00123	-.00228
126	AD611232	H1256.9	.79418	.00151	H4743.0	.00742	.53029
127	AD611233	285.87	.03164	.00005	H3035.2	.00146	-.00205
128	AD611234/FB	9.8939	.19766	.19823	10.665	.19763	.20232
129	AD611235/PB	-.00460	.00013	-.00017	-.09910	-.00005	-.00206
130	AD611340	12.700	.01831	.01534	123.13	.00204	.00221
131	CCB	.00602	.00001	.00041	.15970	.00045	.00314

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#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
132	CCB	.01233	.00004	.00108	.08357	.00014	-.00008
133	CCB	.01673	.00014	.00065	.13577	.00051	-.00280
134	CCB	.01777	.00007	.00127	.00639	-.00026	.00324
135	CCB	.02222	.00009	.00096	.06704	-.00007	.00223
136	CCB	.00493	.00006	.00070	.17727	-.00005	.00256
137	CCB	.00184	.00013	.00063	-.16232	.00017	-.00243
138	CCB	.00255	.00013	.00080	.09097	.00037	.00001
139	CCB	.00212	.00009	.00050	-.28214	-.00032	.00035
140	CCB	.00501	.00006	.00068	.01933	-.00022	.00193
141	CCB	.00194	.00008	.00159	-.05448	-.00068	.00221
142	CCB	-.00057	.00006	.00135	.00268	-.00040	.00220
143	CCB	.00295	.00018	.00142	-.00143	-.00005	.00122
144	CCB	.00338	.00003	.00130	-.09941	.00027	-.00070
145	CCB	-.00301	.00000	.00040	.05281	-.00038	-.00250
146	CCB	.00003	.00004	.00089	-.03237	-.00038	-.00131
147	CCB	.00795	.00009	.00087	.00419	.00061	-.00110
148	CCV	25.139	.51007	.50832	25.293	.50636	.49365
149	CCV	25.363	.50992	.50851	25.194	.50705	.49504
150	CCV	25.405	.50894	.50832	25.294	.50887	.49359
151	CCV	25.418	.50811	.50684	25.346	.50932	.49543
152	CCV	25.459	.50934	.50652	25.043	.50862	.48850
153	CCV	25.261	.51079	.50955	25.264	.51203	.49909
154	CCV	25.543	.50702	.51213	25.885	.51542	.50065
155	CCV	25.326	.50158	.50408	25.475	.51106	.49695
156	CCV	25.305	.50348	.50707	26.012	.51152	.49432
157	CCV	25.816	.50666	.51440	26.399	.51984	.50580
158	CCV	25.797	.50651	.51356	26.382	.51992	.50410
159	CCV	25.721	.50664	.51340	26.287	.51607	.50642
160	CCV	25.689	.50577	.51163	26.108	.51556	.50146
161	CCV	24.987	.50705	.50674	25.266	.49888	.49978
162	CCV	25.541	.51510	.51461	25.308	.50446	.50411
163	CCV	25.245	.51012	.50783	25.054	.50050	.50688
164	CCV	25.340	.51323	.51017	24.882	.50545	.50491
165	CRI	.19700	.00299	.01092	1.2935	.01015	.00940
166	CRI	.19801	.00295	.01005	1.0236	.00995	.00751
167	CRI	.20032	.00304	.01049	1.0851	.00971	.00524
168	CRI	.19458	.00304	.01022	1.0850	.00967	.00416
169	CRI	.20230	.00293	.00988	1.1842	.00986	.00496
170	ICB	.00455	-.00003	.00097	.18501	-.00026	.00283
171	ICB	-.00206	.00012	.00088	.10453	-.00005	.00138
172	ICB	-.00156	.00006	.00147	-.01381	-.00024	-.00057
173	ICSA	521.44	.00010	.00161	.06681	.00035	.04221
174	ICSA	519.62	.00007	.00132	-.22338	-.00009	.04430
175	ICSA	519.49	.00025	.00155	-.02273	.00063	.03690
176	ICSA	518.25	.00006	.00079	-.04120	-.00020	.04847
177	ICSA	521.43	.00011	.00208	.10862	.00064	.05573
178	ICSAB	505.80	.49228	.00109	.10471	.93958	.09387
179	ICSAB	509.77	.49458	.00042	.07385	.94829	.09575
180	ICSAB	508.37	.49346	.00165	-.09798	.93632	.09878
181	ICSAB	506.00	.48972	.00119	-.01193	.93020	.09566
182	ICSAB	510.60	.49371	.00063	-.05582	.93976	.10782
183	ICV	19.013	.38331	.38214	18.995	.37912	.37360
184	ICV	19.117	.38456	.38529	19.182	.38268	.37262
185	ICV	18.855	.37949	.37985	18.823	.37442	.37363

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#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
186	STD 1		1.33076	1.87943		4.77632	1.72435
187	STD 1		1.33316	1.87129		4.85809	1.71791
188	STD 1		1.33572	1.89428		5.06924	1.74297
189	STD 2		6.53113	9.11623		23.8845	8.10689
190	STD 2		6.50557	9.09282		23.9996	8.01605
191	STD 2		6.49592	9.16633		24.5921	8.19914
192	STD 3	93.7107	13.0506	18.3326	2.78938	47.8778	16.1166
193	STD 3	93.4697	13.1311	18.4418	2.78109	48.1973	16.2447
194	STD 3	94.9244	13.1254	18.5949	2.8771	49.4509	16.3755
195	STD 3 VER	49.920	.99425	.99357	50.119	.98127	.97063
196	STD 3 VER	50.809	1.0031	1.0092	50.775	1.0021	.99540
197	STD 3 VER	50.705	1.0038	1.0102	50.760	.99400	.99769
198	STD BLK	.01364	.0023	.00726	.00301	-.1219	-.01434
199	STD BLK	.02021	.00163	.01182	.01055	-.11568	.02004
200	STD BLK	.02506	.00255	.01361	.00922	-.10882	.05297

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
1	AD610590	.00104	.00031	-.00009	-.00038	.00123	-.00076
2	AD610591	.00339	.00226	-.00340	-.00036	-.00257	-.00381
3	AD610592	.00663	.00428	.00240	-.00111	.00355	.00183
4	AD610593	.00176	.00106	-.00429	-.00056	-.00477	-.00406
5	AD610736	.00240	.00145	.00004	-.00263	-.00155	.00084
6	AD610879/(1:10)	-.00073	.00030	-.00062	.00026	.00054	-.00121
7	AD611021	.00096	.00145	-.00312	.00054	-.00120	-.00408
8	AD611028/FB	.20963	.20797	.20240	.20809	.20256	.20233
9	AD611029/PB	-.00116	-.00044	-.00101	.00161	-.00128	-.00087
10	AD611072	-.00042	.00132	.00021	-.00348	.00443	-.00190
11	AD611072/L (1:5)	-.00081	.00021	.00336	-.00084	.00728	.00140
12	AD611072/PS	.19550	.19309	.19356	.18496	.19169	.19449
13	AD611073/FD	-.00089	.00075	.00400	-.00084	.01198	.00002
14	AD611074/MS	.20765	.20771	.20235	.20742	.20191	.20258
15	AD611075/SD	.20183	.20139	.19722	.19431	.19553	.19806
16	AD611076	.00010	-.00037	.00062	.00158	.00392	-.00101
17	AD611077	.00271	.00389	-.00056	-.00090	.00847	-.00508
18	AD611078	.00132	.00292	.00213	.00231	.01395	-.00378
19	AD611078/(1:20)	-.00083	.00051	.00313	-.00098	.00733	.00102
20	AD611079	.00028	.00240	.00418	.00257	.01067	.00094
21	AD611080	-.00042	.00106	.00187	.00165	.00941	-.00189
22	AD611081	.00168	.00106	-.00041	.00000	-.00091	-.00017
23	AD611082	-.00038	.00121	.00092	.00102	.00340	-.00031
24	AD611083	-.00185	-.00034	.00279	-.00193	.00864	-.00012
25	AD611084/FB	.20839	.20771	.20413	.20430	.20811	.20214
26	AD611085/PB	.00187	.00137	.00331	.00194	.00362	.00316
27	AD611086	.00128	.00261	.00444	.00340	.00707	.00313
28	AD611087	.00004	.00099	.00215	.00044	.00552	.00047
29	AD611088	.00107	.00172	.00246	.00218	.00897	-.00078
30	AD611088/L (1:5)	.00030	.00179	-.00028	.00010	.00435	-.00260
31	AD611088/PS	.19741	.19589	.19669	.19256	.19562	.19723
32	AD611089/MS	.21241	.21111	.20676	.21207	.20476	.20777
33	AD611090/SD	.20251	.20188	.19577	.20077	.20010	.19360
34	AD611091	-.00030	.00036	.00128	.00096	.00693	-.00153
35	AD611092/FD	-.00173	-.00034	.00270	.00159	.00654	.00078

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#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
36	AD611093	.00026	.00114	.00075	.00201	.00638	-.00206
37	AD611094	.00032	.00000	.00301	.00159	.00637	.00133
38	AD611095	-.00109	.00092	.00388	.00031	.01489	-.00161
39	AD611096	.00283	.00203	.00250	.00424	.00093	.00329
40	AD611097	-.00120	.00055	.00121	.00158	.00730	-.00182
41	AD611098	-.00102	.00016	.00221	.00029	.00935	-.00135
42	AD611099/FB	.21253	.21021	.20268	.20635	.20380	.20212
43	AD611100/PB	-.00155	.00004	.00106	-.00065	.00811	-.00245
44	AD611101	-.00034	.00060	.00363	.00014	.00711	.00188
45	AD611102	.00098	.00136	-.00034	.00084	.00141	-.00123
46	AD611103	-.00119	.00069	.00277	.00044	.00979	-.00073
47	AD611103/L (1:5)	-.00027	-.00031	.00057	.00114	.00225	-.00026
48	AD611103/PS	.20135	.20034	.19500	.19492	.19731	.19385
49	AD611104/MS	.21414	.21290	.20737	.20759	.20559	.20827
50	AD611105/SD	.21110	.21060	.20357	.20283	.20727	.20173
51	AD611106	.00409	.00465	.00470	-.00157	.00890	.00260
52	AD611107/FB	.21409	.21128	.20832	.20971	.20180	.21159
53	AD611108/PB	-.00086	.00016	-.00033	.00013	.00960	-.00530
54	AD611109	.00442	.00455	.01208	.00239	.01439	.01092
55	AD611110	.17448	.17289	-.00233	.01659	-.00319	-.00190
56	AD611110/L (1:5)	.03587	.03485	-.00150	.00162	-.00585	.00067
57	AD611110/PS	.37034	.36797	.20856	.21786	.20944	.20813
58	AD611111	.10955	.10749	-.00361	.01185	-.00604	-.00239
59	AD611112/MS	.26320	.26161	.20814	.21494	.20875	.20783
60	AD611112/SD	.31568	.31270	.19951	.21332	.20215	.19819
61	AD611114	.09606	.09567	.00218	.00157	.00940	-.00142
62	AD611115	.06926	.06914	.00093	.04092	.00217	.00031
63	AD611116	.00090	.00035	-.00432	.00069	-.00494	-.00401
64	AD611117	.00007	.00091	-.00181	-.00194	.00164	-.00354
65	AD611118	.00100	.00221	-.00122	.00149	.00416	-.00391
66	AD611119	.00095	.00147	-.00083	.00060	.00390	-.00320
67	AD611120	.00267	.00126	-.00220	-.00180	-.00224	-.00217
68	AD611121	.00297	.00243	-.00303	-.00172	-.00351	-.00278
69	AD611122	.00083	-.00093	.02828	-.00083	.03458	.02513
70	AD611123	.00150	.00083	.01758	.00015	.01577	.01848
71	AD611124	.00232	.00113	.01988	-.00264	.01680	.02142
72	AD611125	.00298	.00174	.02121	-.00096	.02266	.02049
73	AD611126	.00197	.00215	-.00239	.00312	.00036	-.00377
74	AD611127/FB	.21179	.21034	.20917	.20695	.20547	.21102
75	AD611128/PB	.00026	.00015	-.00363	.00231	-.00103	-.00493
76	AD611129	.00082	.00100	-.00178	.00164	.00155	-.00346
77	AD611130	.00007	.00015	-.00325	.00212	-.00499	-.00239
78	AD611130/(1:5)	-.00053	-.00028	-.00319	-.00153	-.00463	-.00247
79	AD611131	-.00054	-.00017	-.00335	-.00225	-.00431	-.00288
80	AD611131/L (1:5)	.00157	.00149	-.00277	-.00069	-.00270	-.00280
81	AD611131/PS	.19378	.19344	.19682	.19501	.19239	.19904
82	AD611132/MS	.20575	.20432	.20315	.21086	.20020	.20463
83	AD611133/SD	.20868	.20687	.20830	.20805	.20169	.21161
84	AD611134	.00077	.00068	-.00072	.00010	.00235	-.00225
85	AD611135	.00053	-.00058	-.00258	.00050	-.00885	.00054
86	AD611135/(1:5)	.00071	.00018	-.00287	.00049	-.00372	-.00245
87	AD611136	.00119	.00071	-.00165	-.00129	-.00525	.00014
88	AD611137	-.00369	-.00093	-.00483	-.00237	.00461	-.00956
89	AD611137/(1:5)	.00089	-.00003	-.00436	.00110	-.00557	-.00376

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#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
90	AD611138	.00050	.00024	-.00158	.00104	-.00389	-.00043
91	AD611139	-.00102	-.00060	-.00187	-.00197	-.00022	-.00270
92	AD611141	.00007	.00055	-.00298	.00069	-.00417	-.00239
93	AD611141/(1:5)	.00010	.00081	-.00113	-.00273	.00417	-.00379
94	AD611142	-.00008	-.00001	-.00368	-.00029	-.00501	-.00301
95	AD611142/(1:5)	-.00172	-.00061	-.00101	.00112	-.00342	.00019
96	AD611143	-.00191	-.00093	-.00296	-.00201	.00478	-.00683
97	AD611143/(1:10))	.00117	.00175	-.00061	.00050	.00438	-.00311
98	AD611143/(1:5)	.24828	.24683	.00011	.00124	.00236	-.00101
99	AD611144	.00044	.00006	-.00586	.00053	-.00594	-.00582
100	AD611144/(1:5)	.00312	.00192	.00030	.00104	.00217	-.00062
101	AD611145	.11111	.11213	.00389	.00168	.00677	.00245
102	AD611146	1.2897	1.2807	.00843	.01860	.01269	.00631
103	AD611147	.02185	.02221	-.00066	.00219	.00103	-.00150
104	AD611148	.02996	.02966	-.00306	.00087	-.00316	-.00300
105	AD611149	.04016	.04100	.00235	.00054	.00326	.00019
106	AD611150/FB	.20060	.19942	.19834	.20024	.19665	.19919
107	AD611151/PB	.00088	.00156	-.00180	-.00114	-.00380	-.00081
108	AD611175	.00252	.00285	-.00135	.00235	-.00233	-.00086
109	AD611175/L (1:5)	.00177	.00190	-.00061	-.00072	.00143	-.00163
110	AD611175/PS	.20340	.20164	.20154	.19923	.19829	.20317
111	AD611176/MS	.20704	.20594	.20219	.20624	.20291	.20183
112	AD611177/SD	.21158	.21050	.20831	.21429	.20624	.20934
113	AD611178/SD	.00260	.00238	-.00128	.00329	.00295	-.00340
114	AD611179/FB	.21062	.20775	.20151	.20671	.19911	.20271
115	AD611180/PB	.00249	.00190	-.00096	.00023	-.00043	-.00122
116	AD611224	.00373	.00173	-.00104	.00144	-.00139	-.00086
117	AD611225	.00328	.00161	-.00451	-.00002	-.00136	-.00609
118	AD611225/L (1:5)	.00069	.00006	-.00019	-.00101	.00357	-.00208
119	AD611225/PS	.19372	.19487	.20101	.19843	.20731	.19786
120	AD611226/MD	.00377	.00164	.00032	-.00066	-.00352	.00225
121	AD611227/MS	.02436	.02339	.05095	.09511	.04698	.05294
122	AD611228	.00175	.00107	.00098	-.00042	.00330	-.00017
123	AD611229	.00505	.00302	-.00170	-.00082	-.00386	-.00062
124	AD611230	.00072	-.00053	-.00182	.00055	.00301	-.00424
125	AD611231	.00367	.00168	-.00318	-.00148	-.00245	-.00355
126	AD611232	.50201	.51143	-.00046	-.00119	.01687	-.00913
127	AD611233	-.00075	-.00118	-.00405	-.00134	.00203	-.00709
128	AD611234/FB	.20004	.20080	.19508	.19231	.19599	.19463
129	AD611235/PB	.00270	.00111	-.00049	-.00131	.00021	-.00085
130	AD611340	.00018	.00086	.00000	.00146	.00346	-.00172
131	CCB	-.00134	.00014	.00248	.00152	.00438	.00153
132	CCB	.00009	.00003	.00158	.00106	.00318	.00078
133	CCB	.00227	.00058	.00119	-.00015	-.00020	.00189
134	CCB	.00086	.00165	.00403	.00315	.00889	.00160
135	CCB	-.00136	-.00016	.00471	.00288	.01133	.00140
136	CCB	.00116	.00163	.00176	.00338	.00333	.00097
137	CCB	.00221	.00066	-.00127	.00182	-.00233	-.00074
138	CCB	.00058	.00039	-.00195	.00205	.00457	-.00522
139	CCB	.00239	.00171	-.00399	.00300	-.00564	-.00316
140	CCB	-.00053	.00028	-.00415	.00229	-.00263	-.00491
141	CCB	-.00064	.00030	-.00284	.00033	-.00166	-.00342
142	CCB	.00022	.00088	-.00206	.00078	-.00495	-.00061
143	CCB	.00092	.00102	-.00156	.00141	.00026	-.00248

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#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
144	CCB	.00336	.00200	-.00067	.00287	.00043	-.00123
145	CCB	.00249	.00083	-.00161	.00080	.00043	-.00263
146	CCB	.00334	.00179	-.00024	.00038	-.00061	-.00006
147	CCB	.00378	.00215	.00093	.00034	.00017	.00131
148	CCV	.50832	.50344	.50304	.51901	.49630	.50642
149	CCV	.51079	.50555	.50448	.51585	.49666	.50840
150	CCV	.50960	.50427	.50427	.51744	.49809	.50736
151	CCV	.51047	.50546	.50854	.51716	.50441	.51061
152	CCV	.51096	.50348	.50020	.51357	.48289	.50886
153	CCV	.51414	.50913	.50736	.51837	.50161	.51025
154	CCV	.51139	.50782	.51840	.52741	.51850	.51836
155	CCV	.50719	.50378	.51089	.51635	.50904	.51183
156	CCV	.50773	.50326	.51319	.51578	.51160	.51400
157	CCV	.51955	.51497	.52376	.52926	.52138	.52495
158	CCV	.51634	.51226	.52027	.51306	.51646	.52218
159	CCV	.51301	.51082	.51764	.52791	.51923	.51686
160	CCV	.51099	.50782	.51508	.52539	.51116	.51706
161	CCV	.49339	.49552	.50248	.50477	.50222	.50262
162	CCV	.50369	.50383	.51216	.51283	.50806	.51421
163	CCV	.49911	.50170	.50555	.50200	.50572	.50547
164	CCV	.50529	.50516	.50753	.50602	.50308	.50977
165	CRI	.00388	.00572	.01596	.02097	.01998	.01396
166	CRI	.00450	.00550	.01578	.02081	.01815	.01459
167	CRI	.00322	.00390	.00829	.01722	.00677	.00905
168	CRI	.00629	.00558	.01072	.02018	.00848	.01183
169	CRI	.00678	.00617	.01433	.02065	.01531	.01383
170	ICB	-.00159	-.00012	.00305	.00069	.00718	.00099
171	ICB	.00085	.00103	-.00096	.00014	.00064	-.00176
172	ICB	.00209	.00120	-.00053	-.00139	-.00337	.00087
173	ICSA	-.02208	-.00067	.00145	.00132	-.00088	.00263
174	ICSA	-.02467	-.00170	.00506	-.00118	.00437	.00540
175	ICSA	-.01881	-.00026	-.00375	.00344	-.01592	.00232
176	ICSA	-.02080	.00226	.00228	.00255	.00235	.00224
177	ICSA	-.02484	.00198	.00673	.00125	.00667	.00676
178	ICSAB	.02738	.04952	.05351	.61812	.06077	.04988
179	ICSAB	.02671	.04970	.05096	.62500	.04927	.05180
180	ICSAB	.02723	.05105	.04854	.61411	.04451	.05056
181	ICSAB	.03225	.05337	.05040	.61802	.04919	.05101
182	ICSAB	.02687	.05383	.05192	.61210	.04555	.05511
183	ICV	.37659	.37559	.37044	.38656	.37104	.37015
184	ICV	.38129	.37840	.37829	.38645	.37678	.37906
185	ICV	.37312	.37329	.37595	.37596	.36989	.37899
186	STD 1	1.56063	.60313	.57414	1.27144		
187	STD 1	1.64026	.61759	.56873	1.29843		
188	STD 1	1.66177	.65383	.60618	1.29542		
189	STD 2	7.78843	3.04075	3.07416	5.84551		
190	STD 2	7.84842	3.06804	3.03069	5.85979		
191	STD 2	8.02476	3.13142	3.09105	5.95835		
192	STD 3	15.5609	6.17659	6.3283	11.6233		
193	STD 3	15.628	6.21365	6.35664	11.594		
194	STD 3	16.0343	6.41768	6.47495	11.9548		
195	STD 3 VER	.99038	.98381	.97300	1.0030	.96152	.97876
196	STD 3 VER	.99796	.99710	1.0163	1.0230	1.0198	1.0146
197	STD 3 VER	.99080	.99309	1.0128	1.0094	1.0015	1.0184

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#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
198	STD BLK	.01842			-.00274	-.11481	.11853
199	STD BLK	-.00268			.00544	-.057	.13435
200	STD BLK	-.01984			.0109	-.06336	.12686

#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
1	AD610590	.00046	-.00020	-.00007	.00240	.00256	-.00017
2	AD610591	.00279	.00082	.00301	.02230	.00303	-.00020
3	AD610592	.01476	.00180	.00056	.01092	-.00049	-.00037
4	AD610593	.00034	-.00140	.00023	.00269	.00365	-.00011
5	AD610736	-.00006	.00224	.00005	.00197	.00140	-.00001
6	AD610879/(1:10)	.00015	-.00197	.00000	.00069	.00227	.00033
7	AD611021	-.00008	-.00096	.00002	.00160	-.00027	.00012
8	AD611028/FB	.20603	.20738	.20206	.20996	.20284	.05154
9	AD611029/PB	-.00002	-.00134	.00008	.00178	.00050	.00047
10	AD611072	.03420	.00213	.00386	.00768	.00116	.00034
11	AD611072/L (1:5)	.00607	.00176	.00073	.00139	.00087	-.00007
12	AD611072/PS	.24434	.19625	.19896	.19557	.20055	.02571
13	AD611073/FD	.03370	.00373	.00459	.01115	.00104	-.00015
14	AD611074/MS	.21858	.20419	.20638	.21438	.21011	.05236
15	AD611075/SD	.23091	.19683	.20355	.21369	.20183	.05027
16	AD611076	.01644	-.00020	.00149	.00620	-.00137	.00014
17	AD611077	.03496	.00205	.00288	.01729	.00168	.00046
18	AD611078	.13085	.00164	.01017	.03891	.00221	-.00005
19	AD611078/(1:20)	.00835	.00144	.00052	.00395	.00025	.00012
20	AD611079	.09093	-.00035	.00657	.01401	.00078	-.00006
21	AD611080	.00099	.00359	.00032	.00658	.00026	.00049
22	AD611081	.00072	-.00081	.00019	.00879	-.00079	.00008
23	AD611082	.00133	.00186	.00006	.00973	.00161	.00026
24	AD611083	.00018	.00132	-.00025	.00276	-.00028	.00034
25	AD611084/FB	.20341	.20327	.20410	.21231	.20946	.05242
26	AD611085/PB	.00001	.00022	.00031	.00175	.00165	.00046
27	AD611086	.00998	.00705	.00247	.00913	.00207	.00038
28	AD611087	.00697	.00364	.00062	.01475	.00041	.00014
29	AD611088	.04217	.00171	.00306	.00775	.00158	.00005
30	AD611088/L (1:5)	.00993	.00017	.00069	.00165	.00209	.00029
31	AD611088/PS	.27281	.19575	.20114	.19687	.19834	.02494
32	AD611089/MS	.23555	.20783	.21107	.21799	.20723	.05320
33	AD611090/SD	.23742	.19729	.20478	.20792	.20257	.05059
34	AD611091	.00036	.00206	.00000	.00213	.00113	.00009
35	AD611092/FD	.00019	.00319	-.00019	.00301	-.00015	-.00024
36	AD611093	.00288	-.00039	.00006	.01362	-.00069	.00030
37	AD611094	.00031	.00377	.00019	.00360	-.00020	-.00015
38	AD611095	.00019	.00155	-.00058	.00567	.00030	.00047
39	AD611096	.00340	.00277	.00033	.00584	.00102	.00030
40	AD611097	.00665	.00261	.00012	.00594	-.00014	.00020
41	AD611098	.00049	.00193	.00013	.00287	.00053	.00001
42	AD611099/FB	.20610	.20365	.20599	.21300	.20856	.05178
43	AD611100/PB	-.00009	.00022	.00006	.00187	.00035	.00004
44	AD611101	.00033	.00321	.00000	.00315	.00142	.00054
45	AD611102	.00162	.00363	.00038	.01143	-.00062	-.00030
46	AD611103	.00162	.00102	.00025	.01665	.00153	.00045
47	AD611103/L (1:5)	.00036	.00119	.00039	.00333	.00068	-.00020

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#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
48	AD611103/PS	.20033	.19843	.20115	.21107	.20170	.02486
49	AD611104/MS	.20931	.20799	.20927	.22376	.20958	.05218
50	AD611105/SD	.20818	.19995	.20619	.23557	.20646	.05211
51	AD611106	.02211	.00520	.00271	.01171	-.00013	-.00001
52	AD611107/FB	.21154	.21202	.21008	.21452	.21004	.05239
53	AD611108/PB	.00013	-.00013	-.00006	.00183	.00073	.00014
54	AD611109	.01503	-.00330	.01644	.01617	.00113	.00023
55	AD611110	.26150	-.00231	.01602	.18704	.01009	.00059
56	AD611110/L (1:5)	.08221	-.00082	.00370	.04919	.00115	.00037
57	AD611110/PS	.46507	.20364	.21513	.37003	.21088	.02497
58	AD611111	.18666	.00018	.01020	.12541	.00611	.00029
59	AD611112/MS	.31789	.20289	.20595	.26179	.20757	.05285
60	AD611113/SD	.38900	.19949	.20949	.33896	.20322	.05197
61	AD611114	.54872	-.00022	.03402	.36236	.00358	.00047
62	AD611115	.05885	-.00374	.00502	.16345	.00206	.00034
63	AD611116	.00131	-.00210	.00177	.01302	.00046	-.00024
64	AD611117	.00344	-.00571	.00008	.00520	.00167	.00025
65	AD611118	.00032	-.00407	.00038	.02398	-.00031	.00031
66	AD611119	.00007	-.00268	-.00001	.00367	-.00072	.00009
67	AD611120	.00608	-.00312	.00069	.00360	.00071	.00015
68	AD611121	.00049	.00034	.00031	.01807	.00116	-.00006
69	AD611122	.01008	.00067	.00153	.00898	.00092	-.00029
70	AD611123	.01958	-.00145	.00178	.00953	.00149	-.00043
71	AD611124	.01851	.00136	.00188	.00841	.00163	-.00037
72	AD611125	.01608	.00148	.00188	.00700	.00234	-.00026
73	AD611126	.02223	.00189	.01162	.17017	.01163	-.00037
74	AD611127/FB	.20764	.20756	.20237	.21072	.20569	.05226
75	AD611128/PB	-.00015	-.00222	.00019	.00388	.00072	.00048
76	AD611129	.00223	-.00323	.00226	.00578	-.00085	.00019
77	AD611130	.00347	-.00124	-.00007	.00386	.00221	.00011
78	AD611130/(1:5)	.00053	-.00145	-.00040	.00051	.00186	.00054
79	AD611131	.00707	-.00292	.00044	.01090	.00163	-.00005
80	AD611131/L (1:5)	.00157	.00083	.00012	.00175	.00056	-.00036
81	AD611131/PS	.20983	.20433	.19900	.19865	.19601	.02383
82	AD611132/MS	.21714	.20552	.20430	.21426	.20465	.05292
83	AD611133/SD	.21931	.20975	.20743	.21439	.20433	.05403
84	AD611134	.00343	-.00332	.00031	.00270	.00034	.00024
85	AD611135	.00066	-.00679	.00007	.01391	.00146	.00017
86	AD611135/(1:5)	.00000	-.00255	-.00026	.00226	-.00063	.00009
87	AD611136	.00706	.00037	-.00033	.00495	.00268	.00004
88	AD611137	.00046	.00016	-.00062	.03010	.00429	.00073
89	AD611137/(1:5)	-.00009	-.00351	.00022	.00611	.00225	.00003
90	AD611138	.01421	-.00415	.00070	.00651	-.00096	.00027
91	AD611139	-.00004	-.00236	-.00042	.00422	.00103	-.00002
92	AD611141	.00050	.00011	-.00008	.00433	.00127	.00025
93	AD611141/(1:5)	-.00020	-.00296	-.00014	.00076	-.00116	-.00002
94	AD611142	.00049	-.00317	-.00021	.00521	.00129	-.00002
95	AD611142/(1:5)	.00003	-.00209	-.00014	.00082	.00262	.00024
96	AD611143	-.00015	-.00343	-.00019	.00937	.00237	-.00021
97	AD611143/(1:10))	.00011	-.00312	-.00019	.00294	.00043	.00016
98	AD611143/(1:5)	.11351	-.00020	.03894	.27402	.04801	.00078
99	AD611144	.00257	-.00245	.00035	.01630	.00152	.00010
100	AD611144/(1:5)	.00034	-.00013	.00026	.00326	-.00037	.00010
101	AD611145	.77229	-.00176	.12754	.32855	.02293	.00190

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#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
102	AD611146	.55074	-.00251	.19467	1.4264	.25421	.00448
103	AD611147	.19840	-.00009	.03924	.08040	.00456	.00207
104	AD611148	.10774	-.00105	.00458	.04186	.00584	.00023
105	AD611149	.81021	.00152	.16329	.24981	.00308	.00083
106	AD611150/FB	.20268	.19570	.19894	.20116	.19930	.05104
107	AD611151/PB	.00009	-.00238	-.00013	.00073	.00002	.00022
108	AD611175	.00062	-.00225	.00023	.02577	.00143	.00005
109	AD611175/L (1:5)	-.00013	-.00281	.00020	.00512	-.00067	-.00020
110	AD611175/PS	.20342	.20333	.20019	.21885	.19846	.02459
111	AD611176/MS	.20401	.20341	.20017	.22875	.20424	.05204
112	AD611177/SD	.21095	.20688	.20535	.23679	.20633	.05285
113	AD611178/SD	.00087	-.00294	.00028	.01900	.00044	.00011
114	AD611179/FB	.20765	.20626	.20180	.20893	.20357	.05212
115	AD611180/PB	.00004	.00024	.00002	.00151	.00055	.00030
116	AD611224	.00083	-.00094	-.00007	.01775	.00020	.00003
117	AD611225	.00379	-.00017	-.00037	.00483	.00197	-.00037
118	AD611225/L (1:5)	.00102	.00040	.00010	.00030	.00062	-.00029
119	AD611225/PS	.20118	.19579	.19718	.19229	.20227	.00357
120	AD611226/MD	.00369	-.00135	-.00013	.00480	.00106	-.00071
121	AD611227/MS	.00353	.04744	.49293	.48979	.00167	.04776
122	AD611228	.00063	-.00281	-.00012	.00565	.00183	-.00038
123	AD611229	.00390	.00187	.00027	.00512	.00034	-.00025
124	AD611230	.00049	.00203	.00058	.01469	.00286	.00008
125	AD611231	.00061	.00055	-.00032	.01872	.00223	-.00014
126	AD611232	.05590	-.00146	.00370	.02645	.00739	.00157
127	AD611233	.00155	.00042	.00003	.03819	.00414	-.00027
128	AD611234/FB	.19573	.19432	.19702	.20380	.19815	.04898
129	AD611235/PB	-.00019	-.00055	.00029	-.00032	.00064	-.00028
130	AD611340	.06690	-.00282	.00263	.01370	.00074	.00005
131	CCB	.00016	.00175	-.00012	-.00048	.00279	-.00010
132	CCB	.00004	.00277	-.00025	-.00034	.00054	.00004
133	CCB	.00011	.00367	.00039	-.00006	.00011	.00021
134	CCB	.00023	.00145	-.00006	-.00014	.00132	.00015
135	CCB	.00047	.00188	.00027	-.00033	.00240	.00066
136	CCB	.00018	.00244	.00020	-.00012	-.00072	-.00010
137	CCB	.00009	.00116	.00045	.00006	-.00046	.00038
138	CCB	.00015	-.00117	-.00006	-.00001	-.00060	.00029
139	CCB	.00003	-.00079	.00026	-.00028	-.00326	-.00030
140	CCB	.00005	.00023	-.00038	-.00046	-.00106	-.00024
141	CCB	-.00008	.00181	.00014	-.00039	-.00032	.00031
142	CCB	.00000	-.00166	.00003	-.00020	.00008	.00032
143	CCB	.00014	-.00287	.00014	-.00058	-.00097	-.00007
144	CCB	.00006	.00189	.00000	-.00058	.00192	-.00037
145	CCB	-.00001	.00215	.00029	.00572	.00044	-.00033
146	CCB	.00000	.00127	-.00006	.00617	.00030	-.00010
147	CCB	-.00003	.00159	.00023	.00006	.00046	-.00032
148	CCV	.52206	.50143	.50428	.49763	.51477	.49707
149	CCV	.52326	.50019	.50539	.49784	.51177	.49756
150	CCV	.52842	.50908	.50812	.49796	.51131	.50282
151	CCV	.52974	.50597	.50811	.49891	.51144	.50249
152	CCV	.52612	.50550	.50808	.49975	.51242	.49796
153	CCV	.53258	.50616	.51124	.50132	.51175	.50520
154	CCV	.53881	.51681	.51046	.49898	.50550	.51052
155	CCV	.53426	.51915	.50667	.49413	.50603	.50922

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#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
156	CCV	.53583	.52217	.50871	.49459	.50422	.51202
157	CCV	.54324	.52823	.51256	.50963	.51461	.51337
158	CCV	.54001	.52556	.51046	.50813	.51535	.51204
159	CCV	.53591	.52352	.50778	.50528	.51333	.50852
160	CCV	.53147	.52518	.50546	.50535	.51161	.50451
161	CCV	.51468	.50236	.49915	.49234	.50541	.49149
162	CCV	.52072	.50328	.50522	.50012	.51104	.49674
163	CCV	.51020	.50181	.49762	.50060	.50959	.48619
164	CCV	.51436	.50636	.50138	.50673	.51600	.49100
165	CRI	.00525	.02304	.00485	.01990	.00920	.00317
166	CRI	.00530	.02234	.00473	.01992	.00896	.00288
167	CRI	.00528	.02000	.00518	.02006	.00814	.00308
168	CRI	.00496	.01742	.00508	.01934	.00897	.00228
169	CRI	.00495	.01908	.00498	.02033	.01045	.00271
170	ICB	.00026	.00125	-.00013	-.00028	.00032	.00010
171	ICB	.00001	-.00099	.00051	-.00029	.00168	.00010
172	ICB	-.00014	.00053	.00005	-.00058	.00069	-.00005
173	ICSA	.00096	.00676	-.00090	.00257	.00304	.00025
174	ICSA	.00092	.01142	-.00092	.00229	.00498	.00041
175	ICSA	.00078	.00332	-.00085	.00275	.00230	.00042
176	ICSA	.00064	.00133	-.00123	.00128	.00261	.00017
177	ICSA	.00068	.00669	-.00129	.00212	.00220	.00015
178	ICSAB	.00065	.10164	.49902	.94177	.00078	.21548
179	ICSAB	.00091	.10474	.50608	.95505	.00425	.21712
180	ICSAB	.00057	.10498	.49820	.94240	.00052	.21389
181	ICSAB	.00047	.10088	.49542	.93944	.00173	.21427
182	ICSAB	.00057	.10207	.49468	.96489	.00165	.21168
183	ICV	.38952	.37367	.37854	.37424	.38385	.37127
184	ICV	.39242	.39089	.38074	.37672	.38638	.37307
185	ICV	.38481	.37535	.37478	.37118	.37953	.36929
186	STD 1	5.59768	.6347	.2811	.26741	2.74968	1.44112
187	STD 1	5.79963	.63637	.28644	.27123	2.80535	1.48834
188	STD 1	5.96174	.67003	.29109	.27807	2.87486	1.52332
189	STD 2	27.2429	3.27419	1.39141	1.30573	14.0158	7.12735
190	STD 2	27.6658	3.23393	1.40521	1.30697	13.9303	7.21496
191	STD 2	28.3316	3.30173	1.41526	1.33137	14.0951	7.39447
192	STD 3	54.9386	6.60027	2.79878	2.59467	28.3773	14.4563
193	STD 3	55.5332	6.62329	2.83796	2.61491	28.4019	14.5888
194	STD 3	57.0589	6.77174	2.86187	2.65903	28.6076	14.9762
195	STD 3 VER	.98722	.98427	.99508	.97762	.99425	.99535
196	STD 3 VER	1.0067	1.0374	1.0100	.99806	1.0082	1.0083
197	STD 3 VER	1.0017	1.0069	1.0046	.99611	.99894	1.0081
198	STD BLK	.10117	-.03204	.00106	.00177	-.08752	-.00442
199	STD BLK	.11196	-.00758	.00072	.002	-.06319	-.00455
200	STD BLK	.11536	-.02027	.00067	.00272	-.09678	.00292

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Standardization Rpt.

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Method: TRACE2 Standard: STD BLK
Run Time: 03/15/06 16:13:22

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	.05627	-.01001	.11962	.00855	.22505	.02422	-.03844
SDev	.00353	.00331	.00553	.00280	.00074	.00085	.01532
%RSD	6.2794	33.115	4.6210	32.786	.33024	3.5200	39.849
#1	.05877	-.00767	.11571	.00657	.22557	.02482	-.04928
#2	.05377	-.01235	.12352	.01054	.22452	.02361	-.02761
Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	-.00637	.00346	.05844	-.00164	-.02199	.02022	.00164
SDev	.00079	.00179	.00470	.00284	.02284	.00290	.00077
%RSD	12.450	51.817	8.0416	172.69	103.87	14.342	46.847
#1	-.00694	.00219	.05512	-.00365	-.00584	.02227	.00110
#2	-.00581	.00472	.06176	.00036	-.03815	.01817	.00218
Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	.01182	.01056	-.11569	.02005	-.00268	.00545	-.05700
SDev	.00846	.00048	.04184	.01037	.03063	.00796	.00869
%RSD	71.553	4.5467	36.165	51.712	1142.8	146.16	15.237
#1	.00584	.01022	-.14527	.02738	.01898	-.00018	-.06315
#2	.01780	.01090	-.08610	.01272	-.02434	.01108	-.05086
Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	.13436	.11197	-.00758	.00073	.00200	-.06319	-.00456
SDev	.00934	.00555	.00263	.00000	.00077	.00819	.00439
%RSD	6.9525	4.9591	34.710	.33024	38.264	12.962	96.344
#1	.12775	.10804	-.00944	.00073	.00146	-.06899	-.00767
#2	.14096	.11589	-.00572	.00073	.00254	-.05740	-.00145

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Standardization Rpt.

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page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2746	--	--	--	--	--	--
SDev	9.068610	--	--	--	--	--	--
%RSD	.3302375	--	--	--	--	--	--
#1	2740	--	--	--	--	--	--
#2	2752	--	--	--	--	--	--

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Standardization Rpt.

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page 1

Method: TRACE2 Standard: STD 1
Run Time: 03/15/06 16:18:13

Elem	Al3082	As1890	B 2496	Ba4934	Be3130	Cd2265	Co2286
Avge	8.5230	.98971	1.5892	4.1315	6.8516	11.847	.71810
SDev	.0190	.03211	.0113	.0112	.0222	.005	.00328
%RSD	.22318	3.2439	.70844	.27096	.32395	.04448	.45723
#1	8.5096	1.0124	1.5812	4.1236	6.8359	11.843	.71577
#2	8.5365	.96701	1.5971	4.1394	6.8673	11.851	.72042
Elem	Cr2677	Cu3247	Fe2714	Mn2576	Mo2020	Ni2316	2203/1
Avge	1.8414	.86367	1.6077	1.3332	1.8713	4.8581	1.7179
SDev	.0056	.00363	.0051	.0023	.0039	.0250	.0201
%RSD	.30386	.42036	.31673	.17479	.20910	.51391	1.1686
#1	1.8375	.86110	1.6041	1.3315	1.8741	4.8404	1.7037
#2	1.8454	.86624	1.6113	1.3348	1.8685	4.8758	1.7321
Elem	2203/2	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V 2924
Avge	1.6403	.61759	.56873	1.2984	5.7996	.63638	.28644
SDev	.0252	.02823	.02241	.0473	.0188	.02444	.00121
%RSD	1.5339	4.5718	3.9403	3.6433	.32379	3.8400	.42306
#1	1.6581	.59763	.58458	1.3319	5.7864	.61910	.28558
#2	1.6225	.63756	.55289	1.2650	5.8129	.65366	.28730
Elem	Zn2062	Sn1899	Ag3280				
Avge	.27123	2.8054	1.4883				
SDev	.00225	.0798	.0083				
%RSD	.83076	2.8440	.56063				
#1	.26964	2.7489	1.4942				
#2	.27283	2.8618	1.4824				

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Standardization Rpt.

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page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2761	--	--	--	--	--	--
SDev	3.128982	--	--	--	--	--	--
%RSD	.1133089	--	--	--	--	--	--
#1	2759	--	--	--	--	--	--
#2	2764	--	--	--	--	--	--

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Standardization Rpt.

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page 1

Method: TRACE2 Standard: STD 2
Run Time: 03/15/06 16:22:37

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286
Avge	41.510	4.7079	7.3627	19.761	32.511	57.040	3.5226
SDev	.444	.0160	.0789	.089	.282	.397	.0334
%RSD	1.0692	.34057	1.0715	.44798	.86645	.69668	.94919

#1	41.196	4.6966	7.3069	19.698	32.311	56.759	3.4989
#2	41.824	4.7192	7.4184	19.824	32.710	57.321	3.5462

Elem	Cr2677	Cu3247	Fe2714	Mn2576	Mo2020	Ni2316	2203/1
Avge	8.9933	3.9769	7.8510	6.5056	9.0928	24.000	8.0161
SDev	.0804	.0390	.0721	.0643	.1482	.100	.0834
%RSD	.89385	.98126	.91805	.98888	1.6303	.41556	1.0398

#1	8.9365	3.9493	7.8000	6.4601	8.9880	23.929	7.9571
#2	9.0502	4.0045	7.9020	6.5511	9.1976	24.070	8.0750

Elem	2203/2	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924
Avge	7.8484	3.0680	3.0307	5.8598	27.666	3.2339	1.4052
SDev	.0359	.0385	.0735	.0376	.218	.0653	.0107
%RSD	.45730	1.2552	2.4257	.64129	.78650	2.0195	.76022

#1	7.8230	3.0408	2.9787	5.8332	27.512	3.1878	1.3977
#2	7.8738	3.0953	3.0827	5.8864	27.820	3.2801	1.4128

Elem	Zn2062	Sn1899	Ag3280
Avge	1.3070	13.930	7.2150
SDev	.0076	.191	.0467
%RSD	.58290	1.3688	.64754

#1	1.3016	13.795	7.1819
#2	1.3124	14.065	7.2480

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Standardization Rpt.

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page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2718	--	--	--	--	--	--
SDev	27.20583	--	--	--	--	--	--
%RSD	1.000881	--	--	--	--	--	--

#1	2737	--	--	--	--	--	--
#2	2699	--	--	--	--	--	--

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Standardization Rpt.

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Method: TRACE2 Standard: STD 3
Run Time: 03/15/06 16:27:01

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	84.383	9.5418	14.818	39.643	65.142	47.565	114.80
SDev	.117	.0221	.029	.096	.079	.091	.11
%RSD	.13886	.23184	.19551	.24117	.12099	.19154	.09949
#1	84.301	9.5575	14.798	39.576	65.086	47.501	114.72
#2	84.466	9.5262	14.839	39.711	65.197	47.630	114.88
Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	7.0871	18.118	7.9463	15.813	58.758	93.470	13.131
SDev	.0117	.005	.0002	.011	.048	.078	.006
%RSD	.16486	.02541	.00198	.06997	.08205	.08366	.04315
#1	7.0788	18.115	7.9462	15.805	58.724	93.414	13.127
#2	7.0953	18.121	7.9464	15.821	58.792	93.525	13.135
Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	18.442	2.7811	48.197	16.245	15.628	6.2137	6.3566
SDev	.122	.0022	.016	.042	.051	.0245	.0335
%RSD	.65970	.08084	.03220	.25772	.32678	.39469	.52687
#1	18.356	2.7827	48.186	16.215	15.592	6.1963	6.3330
#2	18.528	2.7795	48.208	16.274	15.664	6.2310	6.3803
Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	11.594	55.533	6.6233	2.8380	2.6149	28.402	14.589
SDev	.030	.093	.0591	.0016	.0023	.089	.017
%RSD	.26118	.16758	.89166	.05635	.08956	.31372	.11631
#1	11.615	55.467	6.5815	2.8368	2.6133	28.339	14.577
#2	11.573	55.599	6.6651	2.8391	2.6166	28.465	14.601

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Standardization Rpt.

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page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2717	--	--	--	--	--	--
SDev	2.704822	--	--	--	--	--	--
%RSD	.0995550	--	--	--	--	--	--
#1	2715	--	--	--	--	--	--
#2	2719	--	--	--	--	--	--

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Method: TRACE2

Slope = Conc(SIR)/IR

Element	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	.595739	-.033832	03/15/06 04:27:01
As1890	189.042	Multiple	Standards	.103515	.001007	03/15/06 04:27:01
B_2496	249.678	Multiple	Standards	.069068	-.008265	03/15/06 04:27:01
Ba4934	493.409	Multiple	Standards	.024926	-.000236	03/15/06 04:27:01
Be3130	313.042	Multiple	Standards	.015329	-.003463	03/15/06 04:27:01
Ca3179	317.933	STD 3	STD BLK	.848050	-.001801	03/15/06 04:27:01
Cd2265	226.502	Multiple	Standards	.008633	.000311	03/15/06 04:27:01
Co2286	228.616	Multiple	Standards	.140525	.000883	03/15/06 04:27:01
Cr2677	267.716	Multiple	Standards	.055156	-.000201	03/15/06 04:27:01
Cu3247	324.753	Multiple	Standards	.126209	-.007389	03/15/06 04:27:01
Fe2714	271.441	Multiple	Standards	3.15112	.004604	03/15/06 04:27:01
K_7664	766.491	STD 3	STD BLK	1.15449	.012069	03/15/06 04:27:01
Mg2790	279.078	STD 3	STD BLK	.890499	-.004804	03/15/06 04:27:01
Mn2576	257.610	Multiple	Standards	.076044	-.000135	03/15/06 04:27:01
Mo2020	202.030	Multiple	Standards	.054356	-.000651	03/15/06 04:27:01
Na3302	330.232	STD 3	STD BLK	1.23785	-.003846	03/15/06 04:27:01
Ni2316	231.604	Multiple	Standards	.020484	.002353	03/15/06 04:27:01
2203/1	220.351	Multiple	Standards	.062072	-.001274	03/15/06 04:27:01
2203/2	220.352	Multiple	Standards	.062301	.000140	03/15/06 04:27:01
PB2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
SE1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	Multiple	Standards	.163594	-.000887	03/15/06 04:27:01
1960/1	196.021	Multiple	Standards	.158993	.009069	03/15/06 04:27:01
1960/2	196.022	Multiple	Standards	.084295	-.011334	03/15/06 04:27:01
Ti3372	337.280	Multiple	Standards	.017921	-.002023	03/15/06 04:27:01
Tl1908	190.864	Multiple	Standards	.151709	.001162	03/15/06 04:27:01
V_2924	292.402	Multiple	Standards	.353137	-.000263	03/15/06 04:27:01
Zn2062	206.200	Multiple	Standards	.378488	-.000775	03/15/06 04:27:01
Sn1899	189.989	Multiple	Standards	.035238	.002219	03/15/06 04:27:01
Ag3280	328.068	Multiple	Standards	.068246	.000296	03/15/06 04:27:01

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Method: TRACE2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD BLK	.000000	-.000311	.000311
		STD 1	5.00000	5.04366	-.043660
		STD 2	25.0000	24.6952	.304787
		STD 3	50.0000	50.2367	-.236679

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD BLK	.000000	-.000029	.000029
		STD 1	.100000	.103457	-.003457
		STD 2	.500000	.488347	.011653
		STD 3	1.00000	.988731	.011269

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD BLK	.000000	-.000003	.000003
		STD 1	.100000	.101497	-.001497
		STD 2	.500000	.500260	-.000260
		STD 3	1.00000	1.01521	-.015207

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	STD BLK	.000000	-.000023	.000023
		STD 1	.100000	.102745	-.002745
		STD 2	.500000	.492324	.007676
		STD 3	1.00000	.987906	.012094

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD BLK	.000000	-.000013	.000013
		STD 1	.100000	.101566	-.001566
		STD 2	.500000	.494895	.005105
		STD 3	1.00000	.995099	.004901

CorCoef: 0.99999

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Ca3179	317.933	STD BLK	.018737	.024218	-.005481
		STD 3	40.3360	47.5653	-7.22937

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD BLK	.000000	-.000021	.000021
		STD 1	.100000	.102586	-.002586
		STD 2	.500000	.492745	.007255
		STD 3	1.00000	.991435	.008565

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD BLK	.000000	-.000013	.000013
		STD 1	.100000	.101793	-.001793
		STD 2	.500000	.495888	.004112
		STD 3	1.00000	.996793	.003207

CorCoef: 0.99999

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Standardization		Readback Report		03/15/06 04:31:49 PM		page 2
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Cr2677	267.716	STD BLK	.000000	-.000010	.000010	
		STD 1	.100000	.101365	-.001365	
		STD 2	.500000	.495839	.004161	
		STD 3	1.00000	.999111	.000889	
CorCoef: 0.99999						
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Cu3247	324.753	STD BLK	.000000	-.000013	.000013	
		STD 1	.100000	.101614	-.001614	
		STD 2	.500000	.494536	.005464	
		STD 3	1.00000	.995511	.004489	
CorCoef: 0.99999						
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Fe2714	271.441	STD BLK	.000000	-.000575	.000575	
		STD 1	5.00000	5.07053	-.070530	
		STD 2	25.0000	24.7440	.255976	
		STD 3	50.0000	49.8332	.166817	
CorCoef: 0.99999						
Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal	
K_7664	766.491	STD BLK	-.013323	-.021994	.008671	
		STD 3	67.8475	58.7579	9.08966	
Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal	
Mg2790	279.078	STD BLK	.013197	.020215	-.007018	
		STD 3	83.2299	93.4697	-10.2398	
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Mn2576	257.610	STD BLK	.000000	-.000010	.000010	
		STD 1	.100000	.101245	-.001245	
		STD 2	.500000	.494575	.005425	
		STD 3	1.00000	.998404	.001596	
CorCoef: 0.99998						
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Mo2020	202.030	STD BLK	.000000	-.000008	.000008	
		STD 1	.100000	.101064	-.001064	
		STD 2	.500000	.493595	.006405	
		STD 3	1.00000	1.00177	-.001766	
CorCoef: 0.99997						
Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal	
Na3302	330.232	STD BLK	.009225	.010560	-.001335	
		STD 3	3.43872	2.78110	.657624	
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Ni2316	231.604	STD BLK	.000000	-.000017	.000017	
		STD 1	.100000	.101866	-.001866	
		STD 2	.500000	.493959	.006041	
		STD 3	1.00000	.989626	.010374	
CorCoef: 0.99999						

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Standardization		Readback Report		03/15/06 04:31:49 PM		page 3
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
2203/1	220.351	STD BLK	.000000	-.000030	.000030	
		STD 1	.100000	.105360	-.005360	
		STD 2	.500000	.496297	.003703	
		STD 3	1.00000	1.00706	-.007064	
CorCoeff: 0.99995						
2203/2	220.352	STD BLK	.000000	-.000027	.000027	
		STD 1	.100000	.102330	-.002330	
		STD 2	.500000	.489105	.010895	
		STD 3	1.00000	.973781	.026219	
CorCoeff: 0.99999						
PB2203	220.353	NONE	.000000	.000000	.000000	
		NONE	.000000	.000000	.000000	
SE1960	196.026	NONE	.000000	.000000	.000000	
		NONE	.000000	.000000	.000000	
Sb2068	206.838	STD BLK	.000000	.000005	-.000005	
		STD 1	.100000	.099493	-.000148	
		STD 2	.500000	.501029	-.001029	
		STD 3	1.00000	1.01563	-.015633	
CorCoeff: 0.99998						
1960/1	196.021	STD BLK	.000000	.000005	-.000005	
		STD 1	.100000	.099493	.000507	
		STD 2	.500000	.490929	.009071	
		STD 3	1.00000	1.01973	-.019734	
CorCoeff: 0.99981						
1960/2	196.022	STD BLK	.000000	-.000009	.000009	
		STD 1	.100000	.098117	.001883	
		STD 2	.500000	.482615	.017385	
		STD 3	1.00000	.965983	.034017	
CorCoeff: 1.00000						
Ti3372	337.280	STD BLK	.000000	-.000016	.000016	
		STD 1	.100000	.101915	-.001915	
		STD 2	.500000	.493786	.006214	
		STD 3	1.00000	.993206	.006794	
CorCoeff: 0.99999						

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Standardization		Readback Report		03/15/06 04:31:49 PM		page 4
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Tl1908	190.864	STD BLK	.000000	.000011	-.000011	
		STD 1	.100000	.097706	.002294	
		STD 2	.500000	.491779	.008221	
		STD 3	1.00000	1.00597	-.005974	
CorCoef: 0.99993						
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
V_2924	292.402	STD BLK	.000000	-.000006	.000006	
		STD 1	.100000	.100890	-.000890	
		STD 2	.500000	.495971	.004029	
		STD 3	1.00000	1.00193	-.001927	
CorCoef: 0.99998						
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Zn2062	206.200	STD BLK	.000000	-.000017	.000017	
		STD 1	.100000	.101883	-.001883	
		STD 2	.500000	.493900	.006100	
		STD 3	1.00000	.988940	.011060	
CorCoef: 0.99999						
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Sn1899	189.989	STD BLK	.000000	-.000008	.000008	
		STD 1	.100000	.101075	-.001075	
		STD 2	.500000	.493099	.006901	
		STD 3	1.00000	1.00305	-.003055	
CorCoef: 0.99996						
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration	
Ag3280	328.068	STD BLK	.000000	-.000015	.000015	
		STD 1	.100000	.101870	-.001870	
		STD 2	.500000	.492689	.007311	
		STD 3	1.00000	.995925	.004075	
CorCoef: 0.99998						

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Analysis Report		Blank Sample		03/15/06 04:36:40 PM		page 1	
Method: TRACE2		Sample Name: STD 3 VER		Operator: SW			
Run Time: 03/15/06 16:31:53							
Comment:							
Mode: CONC		Corr. Factor: 1					
Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.713	1.0011	1.0159	1.0123	1.0041	51.138	1.0010
SDev	.053	.0060	.0020	.0023	.0014	.072	.0006
%RSD	.10476	.59519	.19964	.22352	.13457	.14061	.06311
#1	50.675	.99684	1.0145	1.0107	1.0031	51.087	1.0005
#2	50.751	1.0053	1.0174	1.0139	1.0050	51.189	1.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150
Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0017	1.0027	1.0071	50.135	51.244	50.809	1.0031
SDev	.0002	.0003	.0020	.002	.050	.017	.0002
%RSD	.01924	.02979	.20053	.00332	.09813	.03259	.02467
#1	1.0016	1.0025	1.0056	50.136	51.208	50.797	1.0030
#2	1.0018	1.0029	1.0085	50.134	51.279	50.821	1.0033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300
Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0092	50.775	1.0021	.99540	.99796	.99711	1.0163
SDev	.0035	.106	.0004	.00477	.00206	.00296	.0011
%RSD	.34431	.20927	.03515	.47880	.20643	.29698	.10419
#1	1.0068	50.700	1.0023	.99203	.99650	.99501	1.0171
#2	1.0117	50.850	1.0018	.99877	.99942	.99920	1.0156
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000
Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0230	1.0198	1.0146	1.0067	1.0374	1.0101	.99807
SDev	.0012	.0014	.0023	.0022	.0095	.0003	.00115
%RSD	.11677	.13343	.22361	.22343	.91896	.02847	.11501
#1	1.0222	1.0188	1.0162	1.0051	1.0306	1.0103	.99888
#2	1.0239	1.0208	1.0130	1.0083	1.0441	1.0099	.99726
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300
Elem	Sn1899	Aq3280					

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Units	ppm	ppm
Avge	1.0082	1.0083
SDev	.0016	.0010
%RSD	.16312	.10269

#1	1.0070	1.0076
#2	1.0094	1.0090

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2720	--	--	--	--	--	--
SDev	7.689786	--	--	--	--	--	--
%RSD	.2826751	--	--	--	--	--	--
#1	2715	--	--	--	--	--	--
#2	2726	--	--	--	--	--	--

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Analysis Report QC Standard 03/15/06 04:41:30 PM page 1

Method: TRACE2 Sample Name: ICV Operator: SW
 Run Time: 03/15/06 16:36:43
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.102	.37297	.37183	.37329	.37969	19.192	.37329
SDev	.032	.00179	.00032	.00298	.00040	.037	.00089
%RSD	.16882	.47876	.08609	.79836	.10662	.19324	.23912

#1	19.079	.37423	.37206	.37539	.37941	19.219	.37392
#2	19.125	.37171	.37160	.37118	.37998	19.166	.37266

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	18.750	.37500	.37500	.37500	.37500	18.750	.37500
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.37528	.37825	.39301	18.949	18.873	19.117	.38456
SDev	.00034	.00065	.00015	.054	.049	.016	.00104
%RSD	.08953	.17252	.03862	.28274	.26190	.08446	.27118

#1	.37552	.37779	.39312	18.911	18.838	19.105	.38382
#2	.37504	.37872	.39290	18.986	18.908	19.128	.38530

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.37500	.37500	.37500	18.750	18.750	18.750	.37500
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38529	19.182	.38268	.37262	.38129	.37840	.37830
SDev	.00128	.060	.00110	.00243	.00242	.00242	.00539
%RSD	.33326	.31436	.28612	.65128	.63511	.64042	1.4239

#1	.38438	19.140	.38346	.37091	.37958	.37669	.37449
#2	.38620	19.225	.38191	.37434	.38300	.38012	.38211

Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.37500	18.750	.37500			.37500	.37500
Range	5.0000	5.0000	5.0000			5.0000	5.0000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38646	.37678	.37906	.39243	.39089	.38075	.37672
SDev	.00102	.00087	.00764	.00017	.00016	.00049	.00059
%RSD	.26453	.23127	2.0166	.04298	.04079	.12955	.15536

#1	.38718	.37617	.37366	.39255	.39078	.38040	.37714
#2	.38573	.37740	.38447	.39231	.39101	.38110	.37631

Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.37500			.37500	.37500	.37500	.37500
Range	5.0000			5.0000	5.0000	5.0000	5.0000

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.38638	.37307
SDev	.00142	.00034
%RSD	.36844	.08980

#1	.38739	.37331
#2	.38537	.37284

Errors	QC Pass	QC Pass
Value	.37500	.37500
Range	5.0000	5.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2744	--	--	--	--	--	--
SDev	20.57688	--	--	--	--	--	--
%RSD	.7499613	--	--	--	--	--	--
#1	2758	--	--	--	--	--	--
#2	2729	--	--	--	--	--	--

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Analysis Report Blank Sample 03/15/06 04:46:21 PM page 1

Method: TRACE2 Sample Name: ICB Operator: SW
 Run Time: 03/15/06 16:41:34
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00250	.00218	.00080	-.00003	.00005	.00391	.00024
SDev	.00108	.00099	.00020	.00016	.00003	.00161	.00011
%RSD	43.241	45.581	24.551	584.38	53.048	41.314	44.696

#1	.00173	.00288	.00094	.00008	.00007	.00505	.00032
#2	.00326	.00148	.00066	-.00014	.00003	.00277	.00017

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00040	.00026	.00006	.01154	-.00002	-.00206	.00013
SDev	.00001	.00049	.00046	.01468	.01476	.00326	.00006
%RSD	1.5303	184.40	787.03	127.23	69983.	158.35	44.745

#1	-.00041	.00061	.00038	.02192	.01041	.00025	.00009
#2	-.00040	-.00008	-.00026	.00116	-.01046	-.00437	.00017

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00089	.10454	-.00006	.00139	.00086	.00103	-.00096
SDev	.00055	.09920	.00060	.00029	.00021	.00004	.00228
%RSD	62.334	94.897	1085.7	21.147	24.740	4.2373	237.90

#1	.00128	.03439	.00037	.00118	.00101	.00107	.00066
#2	.00050	.17469	-.00048	.00160	.00071	.00100	-.00258

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00015	.00065	-.00176	.00001	-.00100	.00051	-.00029
SDev	.00087	.00077	.00381	.00021	.00000	.00019	.00010
%RSD	596.45	120.02	216.32	1972.3	.32323	36.328	32.806

#1	.00076	.00010	.00093	.00016	-.00100	.00064	-.00036
#2	-.00047	.00119	-.00446	-.00014	-.00100	.00038	-.00022

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00169	.00011
SDev	.00057	.00016
%RSD	33.883	147.03

#1	.00209	-.00000
#2	.00128	.00022

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2738	--	--	--	--	--	--
SDev	11.87943	--	--	--	--	--	--
%RSD	.4339517	--	--	--	--	--	--
#1	2729	--	--	--	--	--	--
#2	2746	--	--	--	--	--	--

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Analysis Report Blank Sample 03/15/06 04:51:11 PM page 1

Method: TRACE2 Sample Name: CRI Operator: SW
 Run Time: 03/15/06 16:46:24
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20274	.01362	.05800	.00207	.00205	.49132	.00097
SDev	.00200	.00031	.00004	.00001	.00004	.00460	.00015
%RSD	.98431	2.2711	.07414	.58998	1.8083	.93517	15.619

#1	.20415	.01384	.05803	.00206	.00202	.48807	.00107
#2	.20133	.01340	.05797	.00208	.00208	.49457	.00086

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.30000	.01500	.07500	.00300	.00300	.75000	.00150
Low	.10000	.00500	.02500	.00100	.00100	.25000	.00050

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00407	.00381	.01026	.05777	.42991	.20033	.00305
SDev	.00013	.00021	.00042	.00191	.01813	.00422	.00002
%RSD	3.1724	5.4415	4.1028	3.3132	4.2163	2.1050	.74249

#1	.00416	.00367	.00996	.05642	.44272	.19735	.00306
#2	.00398	.00396	.01056	.05912	.41709	.20331	.00303

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00600	.00600	.01500	.07500	.75000	.30000	.00450
Low	.00200	.00200	.00500	.02500	.25000	.10000	.00150

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01050	1.0851	.00971	.00525	.00323	.00390	.00830
SDev	.00053	.0403	.00018	.00019	.00044	.00036	.00015
%RSD	5.0804	3.7127	1.8790	3.6294	13.555	9.1080	1.8621

#1	.01088	1.1136	.00959	.00538	.00354	.00415	.00841
#2	.01012	1.0566	.00984	.00512	.00292	.00365	.00819

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01500	1.5000	.01500			.00750	.02250
Low	.00500	.50000	.00500			.00250	.00750

Elem	Sb2068	1950/1	1950/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01723	.00678	.00906	.00529	.02000	.00518	.02006
SDev	.00135	.00523	.00285	.00000	.00269	.00040	.00009
%RSD	7.8148	77.179	31.418	.05925	13.427	7.6241	.42908

#1	.01627	.00308	.01107	.00529	.02190	.00490	.02012
#2	.01818	.01047	.00705	.00529	.01810	.00546	.02000

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.03000			.00750	.03000	.00750	.03000
Low	.01000			.00250	.01000	.00250	.01000

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00815	.00309
SDev	.00018	.00057
%RSD	2.1962	18.454

#1	.00828	.00349
#2	.00802	.00268

Errors	LC Pass	LC Pass
High	.01500	.00450
Low	.00500	.00150

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2724	--	--	--	--	--	--
SDev	14.42491	--	--	--	--	--	--
%RSD	.5294905	--	--	--	--	--	--
#1	2734	--	--	--	--	--	--
#2	2714	--	--	--	--	--	--

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Analysis Report QC Standard 03/15/06 04:56:00 PM page 1

Method: TRACE2 Sample Name: ICSA Operator: SW
 Run Time: 03/15/06 16:51:14
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	513.70	.00003	.05677	.01198	.00136	545.80	.00187
SDev	1.36	.00247	.00026	.00005	.00001	2.79	.00045
%RSD	.26541	8007.2	.45812	.43987	.49346	.51186	24.068

#1	514.67	.00178	.05695	.01201	.00136	547.77	.00155
#2	512.74	-.00171	.05658	.01194	.00136	543.82	.00218

Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	500.00					500.00	
Range	100.00					100.00	

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00083	-.01260	.00162	192.73	-.01322	519.49	.00025
SDev	.00031	.00053	.00031	.26	.02028	2.55	.00000
%RSD	37.475	4.2404	19.205	.13232	153.48	.49078	.46484

#1	.00061	-.01298	.00140	192.91	.00113	521.29	.00025
#2	.00105	-.01222	.00184	192.55	-.02756	517.69	.00025

Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				40.000		100.00	

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00155	-.02273	.00063	.03691	-.01882	-.00026	-.00376
SDev	.00121	.11795	.00018	.00785	.00548	.00104	.00057
%RSD	77.744	518.88	28.782	21.270	29.097	396.48	15.112

#1	.00241	.06067	.00050	.04246	-.02269	-.00100	-.00416
#2	.00070	-.10614	.00076	.03135	-.01495	.00047	-.00336

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00345	-.01592	.00233	.00079	.00333	-.00085	.00275
SDev	.00463	.00766	.00468	.00005	.00175	.00060	.00039
%RSD	134.28	48.089	201.24	5.8569	52.411	70.585	14.123

#1	.00672	-.01051	-.00098	.00082	.00456	-.00128	.00248
#2	.00017	-.02134	.00563	.00075	.00210	-.00043	.00303

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00231	.00043
SDev	.00114	.00015
%RSD	49.476	35.127

#1	.00311	.00054
#2	.00150	.00032

Errors	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	2554	--	--	--	--	--	--
SDev	7.742784	--	--	--	--	--	--
%RSD	.3031571	--	--	--	--	--	--
#1	2560	--	--	--	--	--	--
#2	2549	--	--	--	--	--	--

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Analysis Report QC Standard 03/15/06 05:00:50 PM page 1

Method: TRACE2 Sample Name: ICSAB Operator: SW
 Run Time: 03/15/06 16:56:04
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	518.86	.10370	.00664	.51538	.49798	545.50	.94941
SDev	.91	.00245	.00071	.00015	.00020	.07	.00025
%RSD	.17458	2.3654	10.731	.02825	.04060	.01311	.02640

#1	519.50	.10544	.00614	.51548	.49783	545.45	.94958
#2	518.22	.10197	.00714	.51528	.49812	545.55	.94923

Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	.10000		.50000	.50000	500.00	1.0000
Range	100.00	.02000		.10000	.10000	100.00	.20000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47064	.48139	.51778	96.714	-.00951	508.37	.49346
SDev	.00031	.00063	.00133	.012	.01128	.16	.00040
%RSD	.06591	.13135	.25703	.01202	118.61	.03118	.08032

#1	.47086	.48094	.51872	96.722	-.00153	508.49	.49374
#2	.47042	.48184	.51684	96.706	-.01748	508.26	.49318

Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	100.00		500.00	.50000
Range	.10000	.10000	.10000	20.000		100.00	.10000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00166	-.09799	.93633	.09878	.02723	.05106	.04855
SDev	.00128	.05273	.00002	.00362	.00100	.00187	.00117
%RSD	77.468	53.814	.00234	3.6652	3.6647	3.6650	2.4059

#1	.00256	-.06070	.93634	.10134	.02794	.05238	.04937
#2	.00075	-.13527	.93631	.09622	.02652	.04973	.04772

Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			1.0000			.05000	.05000
Range			.20000			.01000	.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.61411	.04451	.05056	.00058	.10499	.49821	.94241
SDev	.00262	.00431	.00391	.00008	.00249	.00002	.00068
%RSD	.42713	9.6741	7.7229	13.507	2.3693	.00404	.07185

#1	.61597	.04147	.05333	.00063	.10323	.49822	.94193
#2	.61226	.04756	.04780	.00052	.10675	.49819	.94288

Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value	.60000				.10000	.50000	1.0000
Range	.12000				.02000	.10000	.20000

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00053	.21389
SDev	.00247	.00028
%RSD	468.89	.13013

#1	.00227	.21409
#2	-.00122	.21369

Errors	NOCHECK	QC Pass
Value		.20000
Range		.04000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2526	--	--	--	--	--	--
SDev	7.583789	--	--	--	--	--	--
%RSD	.3002782	--	--	--	--	--	--
#1	2520	--	--	--	--	--	--
#2	2531	--	--	--	--	--	--

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Analysis Report QC Standard 03/15/06 05:41:24 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
 Run Time: 03/15/06 17:36:37
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.817	.50754	.49354	.52324	.51004	26.160	.49816
SDev	.177	.00271	.00199	.00280	.00332	.163	.00372
%RSD	.68531	.53369	.40272	.53461	.65140	.62292	.74711

#1	25.942	.50946	.49494	.52522	.51238	26.275	.50079
#2	25.692	.50563	.49213	.52126	.50769	26.045	.49553

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49729	.49926	.53495	24.991	25.595	25.543	.50703
SDev	.00242	.00312	.00385	.167	.150	.162	.00368
%RSD	.48577	.62484	.71982	.66632	.58414	.63433	.72552

#1	.49899	.50147	.53767	25.109	25.700	25.658	.50963
#2	.49558	.49706	.53222	24.873	25.489	25.429	.50442

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51214	25.885	.51543	.50065	.51140	.50782	.51840
SDev	.00322	.238	.00218	.00402	.00414	.00410	.00544
%RSD	.62818	.92096	.42298	.80264	.81034	.80780	1.0495

#1	.51441	26.053	.51697	.50350	.51433	.51072	.52225
#2	.50986	25.716	.51389	.49781	.50847	.50492	.51455

Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52741	.51850	.51836	.53881	.51682	.51046	.49899
SDev	.00579	.01631	.00000	.00429	.00452	.00336	.00362
%RSD	1.0981	3.1466	.00067	.79604	.87448	.65738	.72595

#1	.53151	.53004	.51836	.54185	.52001	.51284	.50155
#2	.52332	.50696	.51836	.53578	.51362	.50809	.49643

Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280
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Analysis Report QC Standard 03/15/06 05:41:24 PM page 2

Units	ppm	ppm
Avge	.50551	.51052
SDev	.00073	.00374
%RSD	.14541	.73252

#1	.50499	.51317
#2	.50603	.50788

Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2742	--	--	--	--	--	--
SDev	20.94804	--	--	--	--	--	--
%RSD	.7640006	--	--	--	--	--	--
#1	2727	--	--	--	--	--	--
#2	2757	--	--	--	--	--	--

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Analysis Report Blank Sample 03/15/06 05:46:16 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
 Run Time: 03/15/06 17:41:28
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00756	.00282	.00012	-.00006	.00006	-.00075	.00028
SDev	.00200	.00180	.00104	.00000	.00001	.00098	.00004
%RSD	26.481	64.057	861.07	.94079	22.264	129.78	15.451

#1	.00615	.00154	.00085	-.00006	.00006	-.00006	.00031
#2	.00898	.00409	-.00061	-.00006	.00005	-.00145	.00025

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	.00039	-.00032	.01624	-.00294	.00185	.00013
SDev	.00008	.00015	.00032	.00655	.01050	.00010	.00006
%RSD	74.123	37.389	100.04	40.361	356.50	5.4423	45.663

#1	.00016	.00029	-.00055	.02087	.00448	.00192	.00009
#2	.00005	.00049	-.00009	.01160	-.01037	.00178	.00018

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00063	-.16233	.00017	-.00243	.00221	.00067	-.00128
SDev	.00019	.38550	.00010	.00189	.00097	.00002	.00160
%RSD	30.674	237.48	57.900	77.868	43.829	2.4069	125.10

#1	.00077	-.43492	.00010	-.00377	.00290	.00068	-.00015
#2	.00050	.11026	.00024	-.00109	.00153	.00065	-.00241

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00183	-.00234	-.00075	.00009	.00117	.00045	.00006
SDev	.00503	.00261	.00109	.00014	.00015	.00028	.00059
%RSD	275.59	111.87	145.75	151.92	12.658	61.402	922.59

#1	-.00173	-.00049	.00002	-.00001	.00106	.00026	.00048
#2	.00538	-.00419	-.00152	.00019	.00127	.00065	-.00035

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm					
Avge	-.00046	.00038					
SDev	.00136	.00016					
%RSD	295.90	41.754					
#1	.00050	.00050					
#2	-.00142	.00027					
Errors	LC Pass	LC Pass					
High	.01000	.00300					
Low	-.00500	-.00300					
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2705	--	--	--	--	--	--
SDev	8.909615	--	--	--	--	--	--
%RSD	.3293545	--	--	--	--	--	--
#1	2711	--	--	--	--	--	--
#2	2699	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD610879/(1+10) Operator: SW
 Run Time: 03/15/06 17:46:19
 Comment: (1:5) Two 3/14/06
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02216	.00178	.05173	.02089	.00003	33.218	-.00007
SDev	.00218	.00194	.00013	.00006	.00001	.063	.00027
%RSD	9.8610	108.47	.24946	.28353	21.015	.19064	386.72
#1	.02061	.00315	.05164	.02085	.00003	33.173	-.00026
#2	.02370	.00042	.05182	.02093	.00004	33.263	.00012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150
Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00026	-.00037	.01042	4.0943	.11673	.00034
SDev	.00018	.00002	.00041	.00328	.0128	.00304	.00000
%RSD	649.23	6.1225	109.58	31.460	.31324	2.6070	.38193
#1	.00010	.00027	-.00066	.00810	4.1034	.11888	.00034
#2	-.00016	.00025	-.00008	.01274	4.0853	.11458	.00034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300
Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00109	90.740	-.00039	.00239	-.00073	.00031	-.00063
SDev	.00005	.004	.00028	.00082	.00160	.00079	.00327
%RSD	4.3477	.00417	71.838	34.392	218.17	257.65	521.63
#1	.00112	90.737	-.00059	.00297	-.00186	-.00025	-.00294
#2	.00105	90.742	-.00019	.00181	.00040	.00087	.00169
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000
Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00026	.00054	-.00121	.00016	-.00198	-.00000	.00069
SDev	.00039	.00750	.00116	.00013	.00011	.00019	.00030
%RSD	148.06	1380.7	95.729	83.416	5.7002	8634.8	43.310
#1	.00054	-.00476	-.00203	.00025	-.00206	.00013	.00091
#2	-.00001	.00585	-.00039	.00007	-.00190	-.00013	.00048
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300
Elem	Sn1899	Ag3280					

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Analysis Report

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Units	ppm	ppm
Avge	.00227	.00033
SDev	.00263	.00048
%RSD	115.75	144.01

#1	.00414	.00067
#2	.00041	-.00001

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2707	--	--	--	--	--	--
SDev	7.424621	--	--	--	--	--	--
%RSD	.2742394	--	--	--	--	--	--
#1	2702	--	--	--	--	--	--
#2	2713	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611130/(1:5)

Operator: SW

Run Time: 03/15/06 17:51:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03137	.00001	3.5354	.00180	.00018	138.95	.00005
SDev	.00154	.00060	.0138	.00003	.00002	.59	.00018
%RSD	4.9265	4380.5	.39069	1.8682	13.081	.42337	398.31

#1	.03246	-.00041	3.5256	.00183	.00016	138.54	-.00008
#2	.03027	.00044	3.5451	.00178	.00019	139.37	.00018

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00033	-.00042	.22659	13.643	33.847	.00955
SDev	.00022	.00016	.00059	.00436	.003	.093	.00001
%RSD	1215.5	48.524	140.01	1.9245	.02351	.27572	.11635

#1	-.00017	.00044	-.00084	.22967	13.645	33.781	.00956
#2	.00014	.00022	-.00000	.22350	13.641	33.913	.00954

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	323.24	-.00035	.00022	-.00054	-.00028	-.00319
SDev	.00023	.10	.00002	.00040	.00115	.00063	.00184
%RSD	147.56	.03084	5.4882	181.88	214.01	222.34	57.557

#1	.00001	323.17	-.00033	-.00006	.00028	.00016	-.00450
#2	-.00032	323.32	-.00036	.00051	-.00135	-.00073	-.00189

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00154	-.00464	-.00247	.00054	-.00145	-.00040	.00052
SDev	.00157	.00250	.00151	.00031	.00226	.00019	.00020
%RSD	102.02	53.905	60.980	58.388	155.82	46.952	38.105

#1	-.00265	-.00640	-.00354	.00032	-.00305	-.00027	.00066
#2	-.00043	-.00287	-.00141	.00076	.00015	-.00054	.00038

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2654	--	--	--	--	--	--
SDev	8.060948	--	--	--	--	--	--
%RSD	.3036739	--	--	--	--	--	--
#1	2660	--	--	--	--	--	--
#2	2649	--	--	--	--	--	--

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Elem	Sn1899	Aq3280
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Analysis Report

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Units	ppm	ppm
Avge	-.00063	.00009
SDev	.00145	.00032
%RSD	230.10	351.24

#1	-.00166	-.00014
#2	.00040	.00032

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2684	--	--	--	--	--	--
SDev	3.393975	--	--	--	--	--	--
%RSD	.1264297	--	--	--	--	--	--
#1	2682	--	--	--	--	--	--
#2	2687	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611137/(1:5)

Operator: SW

Run Time: 03/15/06 18:00:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02021	.00132	1.7144	.00403	.00043	213.39	.00008
SDev	.00054	.00276	.0007	.00005	.00003	.19	.00016
%RSD	2.6724	209.09	.04028	1.1696	7.0762	.09085	197.82

#1	.02059	.00327	1.7139	.00407	.00041	213.26	-.00003
#2	.01983	-.00063	1.7149	.00400	.00045	213.53	.00019

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	.00004	-.00088	.32036	43.507	38.127	.01993
SDev	.00019	.00005	.00016	.00371	.143	.078	.00011
%RSD	110.87	126.39	18.000	1.1591	.32772	.20394	.57143

#1	.00004	.00007	-.00077	.31773	43.406	38.072	.01985
#2	.00031	.00000	-.00099	.32298	43.607	38.182	.02001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	H1596.7	.00077	-.00189	.00090	-.00003	-.00437
SDev	.00038	4.8	.00030	.00020	.00141	.00101	.00156
%RSD	270.45	.29949	38.565	10.562	157.18	3321.8	35.632

#1	-.00041	H1593.3	.00056	-.00175	.00190	.00068	-.00547
#2	.00013	H1600.1	.00098	-.00203	-.00010	-.00074	-.00327

Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00111	-.00558	-.00376	-.00010	-.00352	.00023	.00611
SDev	.00069	.00549	.00041	.00017	.00079	.00011	.00071
%RSD	62.754	98.401	10.934	172.02	22.548	46.005	11.599

#1	.00062	-.00946	-.00347	-.00021	-.00295	.00015	.00561
#2	.00160	-.00170	-.00405	.00002	-.00408	.00030	.00661

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00226	.00003
SDev	.00125	.00026
%RSD	55.217	768.42

#1	.00314	.00021
#2	.00137	-.00015

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2480	--	--	--	--	--	--
SDev	22.11487	--	--	--	--	--	--
%RSD	.8917061	--	--	--	--	--	--
#1	2496	--	--	--	--	--	--
#2	2464	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611141/(1:5) Operator: SW
 Run Time: 03/15/06 18:05:41
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00824	.00104	.38359	.00120	.00015	164.57	-.00005
SDev	.00125	.00122	.00125	.00008	.00001	.22	.00004
%RSD	15.177	117.57	.32664	6.9087	6.0152	.13145	77.634

#1	.00913	.00191	.38447	.00114	.00016	164.42	-.00007
#2	.00736	.00018	.38270	.00125	.00015	164.73	-.00002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00021	-.00064	.84965	6.2986	15.804	.00709
SDev	.00004	.00031	.00048	.00092	.0112	.011	.00003
%RSD	47.138	151.09	76.014	.10873	.17780	.07273	.42271

#1	-.00013	.00042	-.00029	.85031	6.2907	15.796	.00707
#2	-.00006	-.00001	-.00098	.84900	6.3065	15.812	.00711

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00024	159.89	.00020	.00225	.00010	.00082	-.00114
SDev	.00002	.24	.00018	.00011	.00056	.00041	.00218
%RSD	9.5304	.15138	94.286	4.7473	554.18	50.187	191.20

#1	.00022	159.72	.00007	.00218	-.00030	.00053	-.00268
#2	.00025	160.06	.00033	.00233	.00050	.00111	.00040

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00273	.00417	-.00379	-.00021	-.00297	-.00015	.00076
SDev	.00159	.00269	.00192	.00000	.00014	.00037	.00031
%RSD	58.223	64.602	50.589	.73104	4.7379	249.79	41.016

#1	-.00161	.00227	-.00515	-.00021	-.00287	-.00041	.00098
#2	-.00386	.00608	-.00244	-.00021	-.00307	.00011	.00054

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	-.00117	-.00002
SDev	.00134	.00006
%RSD	115.04	228.10

#1	-.00212	-.00006
#2	-.00022	.00002

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2662	--	--	--	--	--	--
SDev	18.72072	--	--	--	--	--	--
%RSD	.7031356	--	--	--	--	--	--
#1	2649	--	--	--	--	--	--
#2	2676	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611142/(1:5) Operator: SW
 Run Time: 03/15/06 18:10:32
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01152	.00038	.37969	.00141	.00017	163.93	.00012
SDev	.00189	.00053	.00182	.00003	.00001	.18	.00009
%RSD	16.416	140.29	.47959	2.2841	7.4918	.10897	77.674

#1	.01286	.00075	.37840	.00144	.00018	163.81	.00019
#2	.01018	.00000	.38098	.00139	.00016	164.06	.00005

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	-.00032	-.00097	.82444	6.2622	15.720	.00719
SDev	.00038	.00006	.00011	.00544	.0140	.017	.00001
%RSD	321.05	18.186	11.372	.65976	.22430	.11076	.08605

#1	-.00038	-.00037	-.00105	.82828	6.2722	15.708	.00719
#2	.00015	-.00028	-.00089	.82059	6.2523	15.733	.00719

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	160.05	-.00020	.00161	-.00172	-.00061	-.00101
SDev	.00024	.28	.00043	.00144	.00090	.00012	.00253
%RSD	237.93	.17691	212.07	89.044	52.227	19.945	249.62

#1	-.00007	160.25	.00010	.00060	-.00109	-.00053	-.00280
#2	.00027	159.85	-.00051	.00263	-.00236	-.00070	.00078

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00113	-.00343	.00019	.00004	-.00209	-.00015	.00082
SDev	.00217	.00816	.00028	.00006	.00268	.00056	.00001
%RSD	192.13	238.08	147.31	153.15	128.31	379.75	.72343

#1	.00266	-.00920	.00039	.00008	-.00019	.00025	.00083
#2	-.00041	.00234	-.00001	-.00000	-.00399	-.00054	.00082

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00263	.00025
SDev	.00112	.00022
%RSD	42.551	88.303
#1	.00184	.00040
#2	.00342	.00009
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2673	--	--	--	--	--	--
SDev	9.598940	--	--	--	--	--	--
%RSD	.3590721	--	--	--	--	--	--
#1	2666	--	--	--	--	--	--
#2	2680	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611143/(1:10) Operator: SW
 Run Time: 03/15/06 18:15:22
 Comment: *TDS 3/16/06*
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02127	.00033	.72253	.00458	.00027	95.788	.00004
SDev	.00031	.00015	.00017	.00003	.00001	.031	.00026
%RSD	1.4663	44.092	.02292	.75006	3.1993	.03265	647.88
#1	.02149	.00023	.72241	.00461	.00028	95.766	-.00014
#2	.02105	.00043	.72264	.00456	.00027	95.810	.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150
Elem	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00004	.00039	-.00121	.02706	16.748	16.678	.00430
SDev	.00043	.00009	.00004	.00417	.001	.001	.00008
%RSD	1038.6	23.697	2.9198	15.408	.00706	.00701	1.8166
#1	-.00026	.00046	-.00119	.02411	16.749	16.677	.00425
#2	.00034	.00033	-.00124	.03001	16.747	16.679	.00436
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300
Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00048	766.32	.00092	.00293	.00117	.00176	-.00062
SDev	.00044	.05	.00067	.00192	.00057	.00102	.00194
%RSD	91.253	.00596	73.161	65.479	48.711	58.021	316.07
#1	.00017	766.29	.00139	.00158	.00077	.00104	.00076
#2	.00079	766.35	.00044	.00429	.00158	.00248	-.00199
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000
Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V 2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00051	.00438	-.00311	.00012	-.00312	-.00019	.00295
SDev	.00149	.00019	.00282	.00004	.00011	.00048	.00008
%RSD	291.82	4.3277	90.620	35.086	3.4852	247.59	2.7853
#1	-.00054	.00452	-.00112	.00015	-.00305	.00015	.00289
#2	.00156	.00425	-.00511	.00009	-.00320	-.00053	.00300
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300
Elem	Sn1899	Ag3280					

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Units	ppm	ppm
Avge	.00043	.00017
SDev	.00019	.00078
%RSD	44.576	468.65

#1	.00030	.00072
#2	.00057	-.00039

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen.	371.030	--	--	--	--	--	--
Avge	2595	--	--	--	--	--	--
SDev	14.84924	--	--	--	--	--	--
%RSD	.5722582	--	--	--	--	--	--
#1	2584	--	--	--	--	--	--
#2	2605	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611144/(1:5) Operator: SW
 Run Time: 03/15/06 18:20:13
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02736	.00020	.44546	.00148	.00017	133.29	.00009
SDev	.00007	.00125	.00089	.00020	.00000	.19	.00009
%RSD	.25326	627.55	.20094	13.712	.39828	.13940	102.81

#1	.02741	.00108	.44483	.00133	.00017	133.42	.00002
#2	.02731	-.00069	.44610	.00162	.00017	133.16	.00015

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00012	.00053	-.00078	.06532	4.3403	12.418	.00426
SDev	.00012	.00065	.00022	.00210	.0177	.010	.00005
%RSD	98.240	123.06	28.835	3.2186	.40755	.08017	1.1416

#1	.00020	.00099	-.00062	.06681	4.3528	12.425	.00423
#2	.00004	.00007	-.00094	.06384	4.3278	12.411	.00430

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	189.81	.00033	-.00049	.00312	.00192	.00031
SDev	.00018	.36	.00007	.00054	.00120	.00098	.00228
%RSD	77.306	.19185	21.920	110.19	38.454	51.011	745.38

#1	.00036	189.55	.00039	-.00011	.00397	.00261	.00192
#2	.00011	190.07	.00028	-.00087	.00227	.00123	-.00131

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V 2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00105	.00218	-.00063	.00034	-.00014	.00026	.00326
SDev	.00135	.00648	.00018	.00021	.00273	.00056	.00013
%RSD	128.43	297.75	28.253	61.320	1980.6	212.78	3.8830

#1	.00200	.00676	-.00050	.00019	-.00207	.00066	.00318
#2	.00010	-.00241	-.00076	.00049	.00179	-.00013	.00335

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	-.00037	.00010
SDev	.00076	.00042
%RSD	204.55	404.89

#1	-.00091	.00040
#2	.00017	-.00019

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2672	--	--	--	--	--	--
SDev	17.34172	--	--	--	--	--	--
%RSD	.6489468	--	--	--	--	--	--
#1	2685	--	--	--	--	--	--
#2	2660	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: ~~AD611143~~ (175) Operator: SW
 Run Time: 03/15/06 18:25:03 *AD611143 (1:5) TWS 3/16/06*
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.8352	.01183	1.7054	.37335	.00063	4.8015	.00104
SDev	.0151	.00094	.0018	.00043	.00000	.0045	.00005
%RSD	.25923	7.9248	.10348	.11564	.06733	.09344	4.9021
#1	5.8459	.01250	1.7042	.37366	.00063	4.7983	.00100
#2	5.8245	.01117	1.7067	.37305	.00063	4.8046	.00107
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150
Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00567	.04000	.03430	9.5938	49.680	.97499	.16602
SDev	.00009	.00014	.00050	.0143	.102	.00234	.00020
%RSD	1.6314	.35094	1.4685	.14912	.20539	.24020	.11785
#1	.00560	.03990	.03466	9.5837	49.752	.97334	.16588
#2	.00573	.04010	.03395	9.6039	49.608	.97665	.16616
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300
Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17753	388.78	.01356	.24392	.24828	.24683	.00011
SDev	.00081	.72	.00038	.00118	.00175	.00156	.00394
%RSD	.45593	.18401	2.8186	.48300	.70309	.63066	3530.5
#1	.17696	389.29	.01329	.24309	.24705	.24573	.00290
#2	.17810	388.28	.01383	.24476	.24952	.24793	-.00267
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000
Elem	Sb2068	1960/1	1960/2	Ti3372	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00124	.00237	-.00102	.11352	-.00020	.03894	.27403
SDev	.00300	.00479	.00351	.00034	.00152	.00003	.00025
%RSD	.241.13	202.31	345.73	.29788	.758.74	.09019	.09265
#1	.00337	.00575	.00147	.11328	.00088	.03897	.27385
#2	-.00088	-.00102	-.00350	.11375	-.00128	.03892	.27421
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300
Elem	Sn1899	Ag3280					

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Analysis Report

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Units	ppm	ppm
Avge	.04801	.00079
SDev	.00208	.00034
%RSD	4.3216	42.908

#1	.04948	.00103
#2	.04655	.00055

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2691	--	--	--	--	--	--
SDev	10.28844	--	--	--	--	--	--
%RSD	.3823170	--	--	--	--	--	--
#1	2698	--	--	--	--	--	--
#2	2684	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611151/PB Operator: SW
 Run Time: 03/15/06 18:29:54
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00452	.00081	.00492	-.00009	-.00001	.04512	-.00003
SDev	.00253	.00124	.00020	.00003	.00001	.00065	.00006
%RSD	55.967	153.21	4.1234	37.314	78.495	1.4490	170.99

#1	.00631	-.00007	.00507	-.00006	-.00001	.04558	-.00007
#2	.00273	.00168	.00478	-.00011	-.00002	.04465	.00001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00049	-.00105	.00634	.00237	.00135	.00005
SDev	.00058	.00036	.00047	.01054	.01842	.00053	.00002
%RSD	302.48	72.394	44.382	166.39	778.68	39.516	42.514

#1	.00022	.00074	-.00072	.01379	.01539	.00097	.00003
#2	-.00060	.00024	-.00138	-.00112	-.01066	.00173	.00006

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00028	.19730	-.00015	.00293	.00089	.00157	-.00181
SDev	.00000	.05535	.00043	.00093	.00019	.00018	.00064
%RSD	.63809	28.056	278.81	31.852	21.792	11.594	35.209

#1	.00028	.23644	-.00046	.00227	.00103	.00144	-.00136
#2	.00028	.15816	.00015	.00359	.00075	.00170	-.00226

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00114	-.00380	-.00081	.00010	-.00239	-.00014	.00074
SDev	.00031	.00309	.00250	.00009	.00075	.00018	.00000
%RSD	27.334	81.362	307.34	93.340	31.488	134.24	.45604

#1	-.00092	-.00599	.00096	.00003	-.00185	-.00026	.00074
#2	-.00136	-.00161	-.00258	.00016	-.00292	-.00001	.00074

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00003	.00022
SDev	.00146	.00017
%RSD	5163.0	79.177

#1	.00106	.00035
#2	-.00101	.00010

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2749	--	--	--	--	--	--
SDev	5.674635	--	--	--	--	--	--
%RSD	.2064020	--	--	--	--	--	--
#1	2745	--	--	--	--	--	--
#2	2753	--	--	--	--	--	--

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Analysis Report

QC Standard

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Method: TRACE2 Sample Name: CCV
 Run Time: 03/15/06 18:36:04
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SW

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.641	.50301	.48978	.52521	.50625	25.959	.49334
SDev	.064	.00287	.00087	.00128	.00144	.061	.00179
%RSD	.25022	.57056	.17708	.24309	.28413	.23442	.36226

#1	25.686	.50504	.49039	.52611	.50727	26.002	.49460
#2	25.596	.50098	.48917	.52431	.50523	25.916	.49208

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49182	.49432	.53226	24.715	25.335	25.326	.50159
SDev	.00170	.00065	.00037	.098	.096	.062	.00188
%RSD	.34494	.13233	.06959	.39517	.37813	.24525	.37440

#1	.49302	.49478	.53253	24.784	25.403	25.370	.50292
#2	.49062	.49386	.53200	24.646	25.267	25.283	.50026

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50408	25.475	.51107	.49696	.50720	.50379	.51090
SDev	.00034	.268	.00158	.00213	.00122	.00152	.00063
%RSD	.06691	1.0526	.30841	.42818	.23992	.30176	.12353

#1	.50432	25.285	.51218	.49846	.50806	.50486	.51045
#2	.50385	25.664	.50996	.49545	.50633	.50271	.51134

Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51635	.50904	.51183	.53426	.51915	.50668	.49413
SDev	.00519	.00522	.00167	.00120	.00010	.00176	.00117
%RSD	1.0044	1.0264	.32544	.22444	.01897	.34671	.23752

#1	.52002	.50535	.51301	.53511	.51908	.50792	.49496
#2	.51269	.51274	.51065	.53341	.51922	.50544	.49330

Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.50604	.50922
SDev	.00135	.00139
%RSD	.26620	.27371

#1	.50699	.51021
#2	.50508	.50824

Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2729	--	--	--	--	--	--
SDev	7.000461	--	--	--	--	--	--
%RSD	.2564976	--	--	--	--	--	--
#1	2724	--	--	--	--	--	--
#2	2734	--	--	--	--	--	--

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Method: TRACE2 Sample Name: CCB Operator: SW
 Run Time: 03/15/06 18:40:55
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00967	.00078	.00148	-.00004	.00009	-.00204	.00009
SDev	.00066	.00140	.00056	.00003	.00000	.00050	.00001
%RSD	6.8514	179.04	38.185	81.956	3.5726	24.554	12.809

#1	.00920	-.00021	.00108	-.00006	.00009	-.00168	.00010
#2	.01014	.00177	.00188	-.00002	.00009	-.00239	.00008

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.00027	-.00118	.00750	-.00817	.00256	.00013
SDev	.00011	.00004	.00001	.00900	.01797	.00438	.00006
%RSD	89.483	15.472	.48879	119.96	219.84	171.34	45.552

#1	-.00005	.00030	-.00119	.00114	.00453	-.00054	.00009
#2	-.00020	.00024	-.00118	.01386	-.02088	.00565	.00017

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00080	.09097	.00038	.00001	.00059	.00040	-.00196
SDev	.00082	.04474	.00025	.00040	.00241	.00174	.00030
%RSD	101.44	49.179	67.346	3980.5	408.64	438.98	15.178

#1	.00138	.12261	.00020	-.00027	-.00111	-.00083	-.00175
#2	.00023	.05934	.00056	.00029	.00229	.00163	-.00217

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00205	.00457	-.00522	.00015	-.00118	-.00007	-.00001
SDev	.00250	.00314	.00112	.00001	.00185	.00009	.00010
%RSD	121.91	68.621	21.526	4.7091	156.48	132.47	885.66

#1	.00382	.00679	-.00602	.00016	.00013	-.00013	.00006
#2	.00028	.00235	-.00443	.00015	-.00248	-.00000	-.00008

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm					
Avg	-.00060	.00030					
SDev	.00035	.00018					
%RSD	58.291	59.888					
#1	-.00035	.00042					
#2	-.00085	.00017					
Errors	LC Pass	LC Pass					
High	.01000	.00300					
Low	-.00500	-.00300					
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	2725	--	--	--	--	--	--
SDev	2.545654	--	--	--	--	--	--
%RSD	.0934168	--	--	--	--	--	--
#1	2727	--	--	--	--	--	--
#2	2723	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611150/FB Operator: SW
 Run Time: 03/15/06 18:45:46
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9742	.20370	.19542	.21289	.19884	9.8075	.19583
SDev	.0192	.00015	.00058	.00038	.00045	.0127	.00050
%RSD	.19238	.07520	.29640	.18097	.22521	.12936	.25441
#1	9.9606	.20381	.19583	.21317	.19852	9.7985	.19547
#2	9.9877	.20359	.19501	.21262	.19916	9.8165	.19618
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.500	.23000	.23000	.23000	.23000	11.500	.23000
Low	8.5000	.17000	.17000	.17000	.17000	8.5000	.17000
Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19622	.19605	.20249	9.7542	9.7436	9.8278	.19451
SDev	.00053	.00028	.00024	.0091	.0016	.0123	.00047
%RSD	.27011	.14497	.11663	.09284	.01606	.12477	.24006
#1	.19585	.19585	.20266	9.7478	9.7447	9.8192	.19418
#2	.19660	.19625	.20232	9.7606	9.7425	9.8365	.19484
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000	.23000	.23000	11.500	11.500	11.500	.23000
Low	.17000	.17000	.17000	8.5000	8.5000	8.5000	.17000
Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19591	10.256	.20012	.19707	.20061	.19943	.19835
SDev	.00098	.026	.00023	.00202	.00220	.00214	.00308
%RSD	.49969	.25244	.11631	1.0247	1.0992	1.0747	1.5518
#1	.19522	10.237	.20029	.19565	.19905	.19791	.19617
#2	.19661	10.274	.19996	.19850	.20216	.20095	.20052
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.23000	11.500	.23000			.23000	.23000
Low	.17000	8.5000	.17000			.17000	.17000
Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20025	.19666	.19919	.20269	.19570	.19895	.20116
SDev	.00369	.00679	.00122	.00057	.00340	.00084	.00033
%RSD	1.8425	3.4537	.61303	.28128	1.7377	.42220	.16576
#1	.19764	.19186	.19833	.20229	.19811	.19835	.20093
#2	.20286	.20146	.20006	.20309	.19330	.19954	.20140
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000			.23000	.23000	.23000	.23000
Low	.17000			.17000	.17000	.17000	.17000
Elem	Sn1899	Ag3280					

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Analysis Report

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Units	ppm	ppm
Avge	.19931	.05105
SDev	.00030	.00056
%RSD	.15214	1.1067

#1	.19909	.05065
#2	.19952	.05144

Errors	LC Pass	LC Pass
High	.23000	.05750
Low	.17000	.04250

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2732	--	--	--	--	--	--
SDev	4.772971	--	--	--	--	--	--
%RSD	.1747141	--	--	--	--	--	--

#1	2728	--	--	--	--	--	--
#2	2735	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611129
 Run Time: 03/15/06 18:50:36
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SW

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09168	.00729	.01729	.13715	.00007	79.171	.00006
SDev	.00021	.00325	.00046	.00028	.00000	.086	.00002
%RSD	.23361	44.631	2.6839	.20267	1.8533	.10858	36.515

#1	.09153	.00499	.01762	.13695	.00007	79.110	.00007
#2	.09183	.00959	.01696	.13735	.00007	79.232	.00004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00071	.00154	-.00050	.28970	1.6149	42.662	.02441
SDev	.00007	.00044	.00036	.00962	.0182	.018	.00012
%RSD	10.371	28.883	71.640	3.3196	1.1295	.04180	.49070

#1	.00066	.00122	-.00075	.28290	1.6278	42.649	.02432
#2	.00076	.00185	-.00025	.29650	1.6020	42.674	.02449

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00163	8.9154	.00180	.00138	.00082	.00101	-.00179
SDev	.00022	.1350	.00026	.00067	.00008	.00017	.00007
%RSD	13.746	1.5148	14.234	48.041	9.7639	16.660	3.8162

#1	.00147	8.8200	.00162	.00185	.00076	.00113	-.00184
#2	.00179	9.0109	.00198	.00091	.00088	.00089	-.00174

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00164	.00156	-.00346	.00224	-.00323	.00226	.00578
SDev	.00177	.00260	.00140	.00031	.00245	.00009	.00059
%RSD	107.68	166.74	40.495	13.675	75.643	3.9724	10.133

#1	.00290	.00340	-.00445	.00246	-.00496	.00220	.00537
#2	.00039	-.00028	-.00247	.00202	-.00150	.00233	.00619

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	-.00085	.00020
SDev	.00161	.00032
%RSD	188.92	163.39

#1	.00029	.00042
#2	-.00199	-.00003

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2719	--	--	--	--	--	--
SDev	2.068149	--	--	--	--	--	--
%RSD	.0760688	--	--	--	--	--	--
#1	2717	--	--	--	--	--	--
#2	2720	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611130

Operator: SW

Run Time: 03/15/06 18:55:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13608	.00054	18.460	.00937	.00061	H763.24	.00013
SDev	.00110	.00016	.024	.00005	.00001	2.15	.00009
%RSD	.81109	30.253	.12913	.50866	1.7692	.28146	68.266

#1	.13530	.00042	18.443	.00934	.00060	H761.72	.00019
#2	.13686	.00065	18.477	.00940	.00062	H764.76	.00007

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00026	.00162	-.00031	1.1587	91.113	169.87	.04741
SDev	.00072	.00014	.00057	.0033	.056	.27	.00013
%RSD	277.89	8.8132	187.22	.28422	.06184	.15750	.28069

#1	.00025	.00152	.00010	1.1563	91.074	169.69	.04732
#2	-.00077	.00172	-.00071	1.1610	91.153	170.06	.04750

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00094	H1353.4	.00069	.00031	.00007	.00015	-.00326
SDev	.00039	2.4	.00000	.00042	.00294	.00210	.00080
%RSD	41.498	.17870	.27186	137.89	4028.0	1388.1	24.601

#1	.00066	H1351.7	.00069	.00061	.00215	.00164	-.00383
#2	.00121	H1355.1	.00068	.00001	-.00200	-.00133	-.00269

Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00213	-.00499	-.00239	.00348	-.00124	-.00007	.00387
SDev	.00047	.00169	.00205	.00032	.00218	.00010	.00065
%RSD	21.893	33.796	85.534	9.0644	175.49	135.71	16.713

#1	.00246	-.00380	-.00384	.00325	-.00279	-.00015	.00432
#2	.00180	-.00619	-.00095	.00370	.00030	-.00000	.00341

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00221	.00012
SDev	.00096	.00025
%RSD	43.241	217.65

#1	.00154	.00030
#2	.00289	-.00006

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2475	--	--	--	--	--	--
SDev	1.272827	--	--	--	--	--	--
%RSD	.0514242	--	--	--	--	--	--

#1	2476	--	--	--	--	--	--
#2	2474	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611131
 Run Time: 03/15/06 19:00:17
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SW

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20163	.00463	.05617	.07247	.00011	67.182	-.00011
SDev	.00078	.00076	.00415	.00008	.00001	.053	.00008
%RSD	.38953	16.435	7.3894	.10803	5.5423	.07910	75.077

#1	.20219	.00409	.05911	.07241	.00011	67.144	-.00017
#2	.20108	.00517	.05324	.07253	.00012	67.220	-.00005

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.00130	-.00087	.25014	1.2887	41.456	.03706
SDev	.00004	.00010	.00018	.00560	.0086	.015	.00008
%RSD	89.236	7.4691	20.834	2.2380	.66901	.03542	.21569

#1	-.00007	.00123	-.00099	.25409	1.2948	41.445	.03712
#2	-.00002	.00136	-.00074	.24618	1.2827	41.466	.03700

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00206	7.4054	.00104	.00058	-.00055	-.00017	-.00336
SDev	.00036	.2520	.00086	.00189	.00335	.00287	.00193
%RSD	17.614	3.4025	82.604	325.17	609.71	1656.8	57.475

#1	.00231	7.5836	.00164	-.00076	-.00292	-.00220	-.00199
#2	.00180	7.2272	.00043	.00192	.00182	.00185	-.00472

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00225	-.00431	-.00288	.00707	-.00292	.00045	.01091
SDev	.00115	.00561	.00009	.00072	.00136	.00028	.00026
%RSD	51.063	130.06	3.1406	10.139	46.374	61.513	2.4290

#1	-.00144	-.00035	-.00282	.00758	-.00197	.00025	.01072
#2	-.00307	-.00828	-.00295	.00656	-.00388	.00064	.01109

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00164	-.00006
SDev	.00160	.00014
%RSD	97.819	249.09

#1	.00277	.00004
#2	.00050	-.00016

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2708	--	--	--	--	--	--
SDev	7.265453	--	--	--	--	--	--
%RSD	.2682971	--	--	--	--	--	--
#1	2703	--	--	--	--	--	--
#2	2713	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611131/L(1:5) Operator: SW
 Run Time: 03/15/06 19:05:08
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04590	.00188	.02010	.01417	.00005	13.089	.00010
SDev	.00269	.00325	.00084	.00006	.00003	.028	.00011
%RSD	5.8683	173.17	4.1646	.44179	68.318	.21236	112.45

#1	.04781	.00418	.02069	.01421	.00007	13.108	.00018
#2	.04400	-.00042	.01951	.01412	.00002	13.069	.00002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00035	.00056	-.00074	.06240	.23565	8.2433	.00753
SDev	.00005	.00005	.00013	.00519	.00388	.0012	.00008
%RSD	14.276	9.0301	18.044	8.3175	1.6460	.01413	1.0427

#1	-.00038	.00052	-.00065	.05873	.23839	8.2424	.00759
#2	-.00031	.00059	-.00084	.06607	.23291	8.2441	.00748

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00061	1.5174	-.00012	.00136	.00157	.00150	-.00277
SDev	.00026	.1112	.00029	.00427	.00075	.00092	.00189
%RSD	42.359	7.3284	236.32	314.96	47.744	61.475	68.112

#1	.00043	1.5960	.00008	-.00166	.00210	.00085	-.00411
#2	.00079	1.4388	-.00032	.00437	.00104	.00215	-.00144

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00069	-.00270	-.00281	.00157	.00083	.00013	.00175
SDev	.00041	.01383	.00408	.00001	.00052	.00000	.00003
%RSD	59.241	511.80	145.48	.64538	62.154	3.1492	1.4663

#1	-.00040	-.01248	.00008	.00156	.00120	.00013	.00177
#2	-.00098	.00708	-.00570	.00158	.00047	.00012	.00174

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00056	-.00036
SDev	.00205	.00015
%RSD	364.64	41.308

#1	-.00089	-.00047
#2	.00201	-.00026

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2697	--	--	--	--	--	--
SDev	27.63016	--	--	--	--	--	--
%RSD	1.024350	--	--	--	--	--	--
#1	2678	--	--	--	--	--	--
#2	2717	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611131/PS Operator: SW
 Run Time: 03/15/06 19:09:58
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.9818	.20225	.22836	.27811	.19757	74.948	.19471
SDev	.0079	.00029	.00136	.00036	.00033	.104	.00018
%RSD	.07902	.14243	.59565	.12930	.16879	.13919	.09364
#1	9.9762	.20245	.22932	.27786	.19734	74.874	.19484
#2	9.9874	.20205	.22740	.27837	.19781	75.022	.19458
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150
Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18974	.19576	.20653	10.072	11.369	50.357	.22795
SDev	.00009	.00028	.00043	.010	.001	.026	.00002
%RSD	.04820	.14502	.21019	.09981	.01253	.05261	.00933
#1	.18967	.19555	.20622	10.065	11.370	50.339	.22794
#2	.18980	.19596	.20684	10.079	11.368	50.376	.22797
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300
Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19892	17.966	.19890	.19276	.19378	.19344	.19683
SDev	.00160	.067	.00035	.00190	.00081	.00010	.00413
%RSD	.80381	.37518	.17663	.98747	.41624	.04955	2.0989
#1	.19779	17.918	.19915	.19141	.19436	.19338	.19391
#2	.20005	18.013	.19865	.19411	.19321	.19351	.19975
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000
Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19501	.19240	.19905	.20984	.20434	.19900	.19865
SDev	.00096	.00336	.00452	.00299	.00374	.00007	.00019
%RSD	.49442	1.7458	2.2696	1.4269	1.8301	.03454	.09432
#1	.19433	.19002	.19586	.20772	.20169	.19895	.19852
#2	.19569	.19477	.20224	.21195	.20698	.19905	.19878
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300
Elem	Sn1899	Ag3280					

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Analysis Report

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Units	ppm	ppm
Avge	.19601	.02383
SDev	.00185	.00033
%RSD	.94143	1.3840

#1	.19732	.02360
#2	.19471	.02406

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2726	--	--	--	--	--	--
SDev	2.810646	--	--	--	--	--	--
%RSD	.1031169	--	--	--	--	--	--
#1	2724	--	--	--	--	--	--
#2	2728	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611132/MS

Operator: SW

Run Time: 03/15/06 19:14:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.519	.21263	.23379	.29256	.20341	76.931	.19949
SDev	.009	.00210	.00051	.00009	.00008	.030	.00010
%RSD	.08522	.98743	.21982	.03179	.03954	.03851	.04941

#1	10.512	.21411	.23342	.29249	.20347	76.952	.19942
#2	10.525	.21114	.23415	.29262	.20335	76.910	.19956

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19750	.20010	.20506	10.201	11.687	51.354	.23569
SDev	.00041	.00015	.00049	.009	.038	.071	.00030
%RSD	.20861	.07555	.23817	.08389	.32819	.13920	.12651

#1	.19779	.20021	.20541	10.207	11.714	51.405	.23590
#2	.19721	.19999	.20472	10.195	11.660	51.304	.23547

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20310	18.157	.20327	.20147	.20576	.20433	.20316
SDev	.00056	.236	.00062	.00121	.00032	.00062	.00333
%RSD	.27763	1.2977	.30606	.60048	.15775	.30311	1.6392

#1	.20270	17.990	.20371	.20232	.20599	.20477	.20080
#2	.20350	18.323	.20283	.20061	.20553	.20389	.20551

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21087	.20021	.20463	.21714	.20553	.20430	.21427
SDev	.00207	.00939	.00030	.00084	.00054	.00035	.00022
%RSD	.98012	4.6920	.14581	.38688	.26278	.16972	.10453

#1	.21233	.19357	.20442	.21655	.20515	.20406	.21443
#2	.20940	.20685	.20484	.21774	.20591	.20455	.21411

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.20465	.05292
SDev	.00077	.00021
%RSD	.37710	.39143

#1	.20520	.05278
#2	.20411	.05307

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2726	--	--	--	--	--	--
SDev	3.394147	--	--	--	--	--	--
%RSD	.1245193	--	--	--	--	--	--
#1	2728	--	--	--	--	--	--
#2	2723	--	--	--	--	--	--

303/419

Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611133/SD

Operator: SW

Run Time: 03/15/06 19:19:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.574	.21731	.23256	.29750	.20633	78.312	.20160
SDev	.005	.00143	.00075	.00102	.00040	.216	.00004
%RSD	.05182	.65812	.32140	.34393	.19624	.27522	.02142

#1	10.570	.21630	.23309	.29678	.20605	78.160	.20157
#2	10.577	.21832	.23204	.29823	.20662	78.465	.20163

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20019	.20218	.20918	10.335	11.720	52.024	.23838
SDev	.00007	.00032	.00031	.006	.033	.015	.00013
%RSD	.03512	.15671	.14756	.05595	.28254	.02913	.05391

#1	.20024	.20196	.20896	10.330	11.744	52.014	.23848
#2	.20014	.20240	.20940	10.339	11.697	52.035	.23829

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20534	18.167	.20573	.20325	.20868	.20687	.20831
SDev	.00011	.163	.00034	.00125	.00352	.00277	.00037
%RSD	.05479	.89688	.16507	.61523	1.6883	1.3372	.17699

#1	.20542	18.052	.20597	.20237	.20619	.20492	.20857
#2	.20526	18.282	.20549	.20414	.21117	.20883	.20805

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20806	.20169	.21162	.21931	.20975	.20744	.21440
SDev	.00063	.00309	.00210	.00173	.00571	.00024	.00049
%RSD	.30103	1.5298	.99037	.78964	2.7218	.11484	.22791

#1	.20762	.19951	.21310	.21809	.20572	.20761	.21474
#2	.20850	.20387	.21013	.22054	.21379	.20727	.21405

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.20434	.05404
SDev	.00028	.00016
%RSD	.13725	.29841

#1	.20414	.05415
#2	.20454	.05392

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2712	--	--	--	--	--	--
SDev	12.51593	--	--	--	--	--	--
%RSD	.4615273	--	--	--	--	--	--
#1	2721	--	--	--	--	--	--
#2	2703	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611134

Operator: SW

Run Time: 03/15/06 19:24:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14412	-.00050	.02981	.06446	.00008	95.040	.00005
SDev	.00420	.00036	.00088	.00001	.00000	.016	.00011
%RSD	2.9166	71.520	2.9473	.00885	1.5306	.01643	204.98

#1	.14115	-.00076	.03043	.06445	.00008	95.029	-.00002
#2	.14709	-.00025	.02919	.06446	.00008	95.051	.00013

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00025	.00146	-.00106	.12089	.63652	36.436	.00683
SDev	.00015	.00000	.00002	.00060	.00494	.017	.00009
%RSD	57.682	.20474	1.9578	.49578	.77673	.04756	1.2524

#1	.00015	.00145	-.00105	.12132	.64001	36.449	.00689
#2	.00035	.00146	-.00108	.12047	.63302	36.424	.00677

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	4.0612	.00003	.00050	.00078	.00069	-.00072
SDev	.00022	.1776	.00019	.00026	.00062	.00033	.00038
%RSD	318.50	4.3735	624.48	51.322	79.087	47.532	53.269

#1	.00009	4.1868	-.00010	.00068	.00034	.00046	-.00099
#2	-.00023	3.9356	.00016	.00032	.00122	.00092	-.00045

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	.00235	-.00226	.00344	-.00333	.00032	.00271
SDev	.00210	.00348	.00232	.00009	.00328	.00009	.00040
%RSD	1928.7	147.93	102.60	2.7354	98.542	29.280	14.776

#1	-.00138	.00481	-.00390	.00337	-.00101	.00025	.00242
#2	.00160	-.00011	-.00062	.00351	-.00564	.00038	.00299

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00035	.00024
SDev	.00043	.00078
%RSD	124.47	318.39

#1	.00065	.00080
#2	.00004	-.00031

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2723	--	--	--	--	--	--
SDev	5.144133	--	--	--	--	--	--
%RSD	.1888994	--	--	--	--	--	--

#1	2727	--	--	--	--	--	--
#2	2720	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611135

Operator: SW

Run Time: 03/15/06 19:29:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02113	.00316	9.3452	.00881	.00050	578.10	.00008
SDev	.00042	.00152	.0144	.00018	.00000	1.51	.00000
%RSD	2.0033	48.241	.15447	2.0778	.35499	.26162	.70844

#1	.02083	.00208	9.3350	.00894	.00050	579.17	.00008
#2	.02143	.00424	9.3554	.00869	.00050	577.03	.00008

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00035	.00151	-.00038	.52196	34.481	112.18	.02637
SDev	.00028	.00023	.00042	.00098	.079	.11	.00006
%RSD	79.847	15.293	108.76	.18794	.23037	.09877	.23689

#1	.00054	.00167	-.00009	.52265	34.425	112.25	.02633
#2	.00015	.00135	-.00068	.52127	34.537	112.10	.02641

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00132	682.87	.00162	-.00283	.00053	-.00059	-.00259
SDev	.00020	.43	.00040	.00130	.00019	.00030	.00400
%RSD	15.332	.06266	24.804	45.896	36.455	51.573	154.39

#1	.00118	682.57	.00190	-.00191	.00039	-.00037	.00024
#2	.00147	683.17	.00133	-.00375	.00067	-.00080	-.00541

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00050	-.00886	.00055	.00066	-.00679	.00008	.01391
SDev	.00102	.00010	.00591	.00113	.00086	.00010	.00040
%RSD	202.43	1.8348	1082.3	170.89	12.594	128.04	2.9097

#1	-.00022	-.00874	.00473	.00146	-.00740	.00001	.01420
#2	.00123	-.00897	-.00364	-.00014	-.00619	.00015	.01363

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00146	.00017
SDev	.00075	.00048
%RSD	51.041	279.12

#1	.00199	.00051
#2	.00094	-.00017

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2503	--	--	--	--	--	--
SDev	3.871306	--	--	--	--	--	--
%RSD	.1546473	--	--	--	--	--	--
#1	2506	--	--	--	--	--	--
#2	2501	--	--	--	--	--	--

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Analysis Report

QC Standard

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page 1

Method: TRACE2 Sample Name: CCV

Run Time: 03/15/06 19:35:32

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.861	.50636	.50318	.52859	.50703	26.020	.49433
SDev	.003	.00471	.00424	.00141	.00042	.028	.00055
%RSD	.01048	.93059	.84321	.26615	.08347	.10766	.11046

#1	25.863	.50969	.50618	.52759	.50673	26.000	.49395
#2	25.859	.50303	.50018	.52958	.50733	26.040	.49472

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49374	.49536	.53490	24.809	25.637	25.305	.50349
SDev	.00027	.00047	.00023	.023	.039	.033	.00006
%RSD	.05520	.09512	.04401	.09409	.15098	.13058	.01243

#1	.49393	.49502	.53506	24.792	25.664	25.282	.50353
#2	.49354	.49569	.53473	24.825	25.610	25.328	.50344

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50708	26.012	.51152	.49432	.50773	.50327	.51320
SDev	.00369	.186	.00068	.00295	.00042	.00070	.00336
%RSD	.72785	.71361	.13387	.59635	.08265	.13944	.65493

#1	.50447	26.144	.51104	.49641	.50744	.50376	.51558
#2	.50969	25.881	.51201	.49224	.50803	.50277	.51082

Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51578	.51160	.51400	.53583	.52218	.50872	.49459
SDev	.00187	.00835	.00086	.00068	.00568	.00071	.00007
%RSD	.36261	1.6327	.16834	.12627	1.0876	.13853	.01470

#1	.51711	.51751	.51462	.53536	.51816	.50822	.49454
#2	.51446	.50570	.51339	.53631	.52619	.50922	.49464

Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280
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Analysis Report QC Standard 03/15/06 07:40:19 PM page 2

Units	ppm	ppm
Avge	.50423	.51202
SDev	.00113	.00022
%RSD	.22325	.04333

#1	.50343	.51187
#2	.50503	.51218

Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2681	--	--	--	--	--	--
SDev	6.098796	--	--	--	--	--	--
%RSD	.2274641	--	--	--	--	--	--
#1	2677	--	--	--	--	--	--
#2	2686	--	--	--	--	--	--

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Analysis Report Blank Sample 03/15/06 07:45:10 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
 Run Time: 03/15/06 19:40:22
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00946	.00129	.00968	-.00007	.00014	-.00062	.00008
SDev	.00230	.00132	.00069	.00007	.00001	.00050	.00004
%RSD	24.250	102.64	7.1184	96.832	5.5723	81.305	55.226

#1	.00784	.00035	.01016	-.00013	.00013	-.00097	.00011
#2	.01109	.00222	.00919	-.00002	.00014	-.00026	.00005

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00029	-.00108	.01455	-.00562	.00212	.00009
SDev	.00052	.00038	.00029	.00744	.01312	.00016	.00004
%RSD	8712.1	129.33	26.981	51.106	233.51	7.4632	43.388

#1	-.00037	.00002	-.00128	.00930	.00366	.00223	.00006
#2	.00036	.00056	-.00087	.01981	-.01490	.00201	.00012

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00050	-.28214	-.00032	.00035	.00240	.00172	-.00399
SDev	.00055	.09844	.00034	.00260	.00234	.00069	.00284
%RSD	108.60	34.890	105.46	739.98	97.499	40.463	71.000

#1	.00089	-.35175	-.00056	.00219	.00074	.00123	-.00600
#2	.00012	-.21253	-.00008	-.00149	.00405	.00221	-.00199

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00300	-.00565	-.00317	.00004	-.00080	.00026	-.00028
SDev	.00072	.00048	.00450	.00033	.00034	.00056	.00010
%RSD	24.055	8.5576	141.95	913.33	42.438	212.86	35.446

#1	.00249	-.00531	-.00635	.00027	-.00104	-.00013	-.00021
#2	.00352	-.00599	.00001	-.00020	-.00056	.00065	-.00035

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	-.00327	-.00030
SDev	.00183	.00038
%RSD	55.895	125.24

#1	-.00198	-.00003
#2	-.00456	-.00057

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2690	--	--	--	--	--	--
SDev	3.287978	--	--	--	--	--	--
%RSD	.1222387	--	--	--	--	--	--

#1	2687	--	--	--	--	--	--
#2	2692	--	--	--	--	--	--

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Analysis Report 03/15/06 07:50:00 PM page 1

Method: TRACE2 Sample Name: AD611136 Operator: SW
 Run Time: 03/15/06 19:45:13
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24567	.00928	.41068	.01135	.00035	484.69	.00005
SDev	.00112	.00306	.00052	.00000	.00001	1.00	.00018
%RSD	.45626	32.955	.12680	.00152	3.6968	.20590	328.37

#1	.24488	.01144	.41105	.01135	.00036	483.99	-.00007
#2	.24646	.00712	.41032	.01135	.00034	485.40	.00018

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00030	.00083	-.00121	.30540	3.5274	102.01	.11725
SDev	.00012	.00003	.00005	.00496	.0082	.02	.00039
%RSD	37.654	3.8948	4.4640	1.6243	.23159	.01737	.32986

#1	.00022	.00085	-.00125	.30891	3.5332	102.02	.11698
#2	.00039	.00080	-.00117	.30189	3.5217	102.00	.11753

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.04000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00383	33.222	.00025	-.00025	.00119	.00071	-.00165
SDev	.00039	.180	.00011	.00072	.00047	.00008	.00002
%RSD	10.107	.54237	42.337	290.06	39.688	10.656	.97952

#1	.00355	33.350	.00032	-.00076	.00153	.00077	-.00164
#2	.00410	33.095	.00017	.00026	.00086	.00066	-.00167

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00130	-.00526	.00015	.00707	.00037	-.00034	.00496
SDev	.00204	.00046	.00026	.00035	.00223	.00029	.00032
%RSD	156.81	8.8019	174.37	4.9868	602.67	84.821	6.4674

#1	-.00274	-.00558	.00033	.00682	.00195	-.00054	.00519
#2	.00014	-.00493	-.00003	.00731	-.00121	-.00014	.00473

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00269	.00005
SDev	.00188	.00042
%RSD	69.961	899.95

#1	.00401	-.00025
#2	.00136	.00035

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2614	--	--	--	--	--	--
SDev	6.045797	--	--	--	--	--	--
%RSD	.2313008	--	--	--	--	--	--
#1	2610	--	--	--	--	--	--
#2	2618	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611137

Run Time: 03/15/06 19:50:04

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05192	.00211	8.9739	.02059	.00114	H1321.7	.00000
SDev	.00147	.00409	.0047	.00001	.00005	10.6	.00003
%RSD	2.8254	194.35	.05268	.05120	4.0382	.80296	599.07

#1	.05296	-.00079	8.9706	.02060	.00110	H1314.2	.00002
#2	.05089	.00500	8.9773	.02058	.00117	H1329.2	-.00001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00023	.00043	-.00143	1.5986	283.38	188.70	.09919
SDev	.00046	.00003	.00097	.0013	1.02	.59	.00044
%RSD	202.85	7.9045	68.085	.08229	.35907	.31072	.44279

#1	.00010	.00045	-.00074	1.5976	284.10	188.29	.09888
#2	-.00056	.00041	-.00212	1.5995	282.67	189.12	.09950

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00180	H4206.0	.00105	.00459	-.00369	-.00093	-.00484
SDev	.00054	3.3	.00093	.00179	.00381	.00314	.00488
%RSD	30.180	.07776	88.443	38.989	103.28	336.36	100.87

#1	.00142	H4208.3	.00170	.00586	-.00100	.00129	-.00139
#2	.00218	H4203.7	.00039	.00333	-.00639	-.00315	-.00829

Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00237	.00462	-.00957	.00046	.00016	-.00062	.03010
SDev	.00405	.00238	.00851	.00003	.00264	.00000	.00002
%RSD	170.88	51.595	88.980	5.7955	1634.6	.14492	.06264

#1	.00049	.00293	-.00355	.00048	.00202	-.00062	.03011
#2	-.00524	.00630	-.01558	.00044	-.00170	-.00062	.03009

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00429	.00074
SDev	.00041	.00013
%RSD	9.5232	17.972

#1	.00458	.00083
#2	.00400	.00064

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2157	--	--	--	--	--	--
SDev	7.371623	--	--	--	--	--	--
%RSD	.3417832	--	--	--	--	--	--
#1	2162	--	--	--	--	--	--
#2	2152	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611138

Operator: SW

Run Time: 03/15/06 19:54:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.33900	.00306	.02751	.13323	.00018	99.537	.00004
SDev	.00571	.00248	.00147	.00091	.00002	.277	.00012
%RSD	1.6847	80.837	5.3315	.68517	12.819	.27863	296.82

#1	.34304	.00131	.02855	.13388	.00017	99.733	-.00004
#2	.33496	.00481	.02647	.13258	.00020	99.341	.00012

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	.00289	-.00060	.26444	2.3742	50.777	.00740
SDev	.00004	.00016	.00027	.00990	.0232	.091	.00001
%RSD	57.601	5.6830	45.764	3.7432	.97655	.17862	.11356

#1	-.00004	.00277	-.00079	.25744	2.3906	50.842	.00739
#2	-.00009	.00301	-.00041	.27144	2.3578	50.713	.00741

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00072	53.594	.00133	-.00028	.00050	.00024	-.00159
SDev	.00035	.129	.00055	.00350	.00111	.00043	.00136
%RSD	48.688	.24069	41.574	1255.7	220.59	176.57	85.776

#1	.00047	53.685	.00172	.00219	-.00028	.00054	-.00255
#2	.00097	53.502	.00094	-.00275	.00128	-.00006	-.00062

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00105	-.00389	-.00043	.01422	-.00415	.00071	.00651
SDev	.00260	.00162	.00285	.00284	.00005	.00010	.00044
%RSD	248.12	41.629	660.29	19.997	1.2372	14.068	6.7948

#1	.00288	-.00275	-.00245	.01623	-.00412	.00064	.00620
#2	-.00079	-.00504	.00158	.01221	-.00419	.00078	.00683

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	-.00097	.00027
SDev	.00204	.00014
%RSD	211.31	52.909

#1	-.00241	.00037
#2	.00048	.00017

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2705	--	--	--	--	--	--
SDev	17.28873	--	--	--	--	--	--
%RSD	.6392223	--	--	--	--	--	--
#1	2717	--	--	--	--	--	--
#2	2692	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611139

Run Time: 03/15/06 19:59:45

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01070	.00110	.78361	.00954	.00038	H669.04	-.00007
SDev	.00017	.00120	.00067	.00009	.00001	1.72	.00004
%RSD	1.5568	109.16	.08501	.89003	3.7894	.25646	63.139

#1	.01058	.00195	.78408	.00948	.00039	H667.83	-.00004
#2	.01082	.00025	.78314	.00960	.00037	H670.26	-.00010

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00154	.00042	-.00119	1.5729	13.420	53.206	.04771
SDev	.00018	.00022	.00048	.0101	.020	.087	.00013
%RSD	11.820	51.485	40.309	.64276	.14582	.16269	.28129

#1	.00141	.00027	-.00085	1.5658	13.433	53.145	.04761
#2	.00167	.00057	-.00153	1.5800	13.406	53.267	.04780

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.05000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00148	110.79	.00027	.00024	-.00102	-.00060	-.00188
SDev	.00042	.31	.00005	.00026	.00026	.00008	.00300
%RSD	28.365	.27979	17.563	109.49	25.098	14.038	159.66

#1	.00118	110.57	.00024	.00042	-.00120	-.00066	.00024
#2	.00178	111.00	.00030	.00005	-.00084	-.00054	-.00400

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.05000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00197	-.00022	-.00271	-.00005	-.00236	-.00043	.00422
SDev	.00186	.00286	.00593	.00009	.00307	.00000	.00034
%RSD	94.119	1280.7	219.05	201.34	129.78	.20125	7.9665

#1	-.00329	-.00225	.00149	-.00011	-.00453	-.00043	.00446
#2	-.00066	.00180	-.00690	.00002	-.00019	-.00043	.00398

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00104	-.00003
SDev	.00265	.00024
%RSD	254.59	905.77

#1	.00291	-.00019
#2	-.00083	.00014

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2655	--	--	--	--	--	--
SDev	18.40256	--	--	--	--	--	--
%RSD	.6930793	--	--	--	--	--	--
#1	2642	--	--	--	--	--	--
#2	2668	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611340

Run Time: 03/15/06 20:04:36

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.6487	.00490	.37674	.12895	.00001	15.180	.00001
SDev	.0117	.00032	.00141	.00011	.00001	.008	.00007
%RSD	.71130	6.5754	.37498	.08415	44.216	.05458	495.03

#1	1.6570	.00512	.37774	.12902	.00001	15.175	.00006
#2	1.6404	.00467	.37574	.12887	.00002	15.186	-.00003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00031	.00270	.00012	1.2359	15.850	12.700	.01831
SDev	.00013	.00012	.00022	.0151	.024	.010	.00002
%RSD	43.195	4.5428	181.87	1.2242	.15021	.07839	.08542

#1	.00021	.00261	-.00003	1.2252	15.833	12.693	.01830
#2	.00040	.00279	.00028	1.2466	15.867	12.707	.01832

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01535	123.13	.00204	.00221	.00019	.00086	.00001
SDev	.00012	.36	.00059	.00054	.00039	.00008	.00094
%RSD	.76485	.29386	28.863	24.502	208.93	9.2304	14912.

#1	.01527	122.88	.00162	.00260	-.00009	.00080	-.00066
#2	.01543	123.39	.00246	.00183	.00046	.00092	.00067

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00147	.00347	-.00173	.06690	-.00283	.00264	.01370
SDev	.00122	.00038	.00123	.00320	.00074	.00043	.00015
%RSD	83.102	10.869	71.079	4.7834	26.034	16.386	1.1123

#1	.00060	.00320	-.00259	.06464	-.00335	.00294	.01359
#2	.00233	.00374	-.00086	.06917	-.00231	.00233	.01381

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00074	.00005
SDev	.00081	.00099
%RSD	110.16	1911.3

#1	.00016	.00075
#2	.00132	-.00065

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2822	--	--	--	--	--	--
SDev	11.13693	--	--	--	--	--	--
%RSD	.3947062	--	--	--	--	--	--
#1	2829	--	--	--	--	--	--
#2	2814	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611141

Operator: SW

Run Time: 03/15/06 20:09:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03627	.00051	1.9852	.00681	.00054	H944.76	.00000
SDev	.00104	.00173	.0008	.00001	.00000	1.67	.00000
%RSD	2.8682	340.91	.03862	.10115	.33042	.17632	56.332

#1	.03554	-.00072	1.9847	.00682	.00054	H943.58	.00000
#2	.03701	.00173	1.9858	.00681	.00054	H945.94	.00000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00045	.00089	-.00125	4.1969	41.475	79.615	.03516
SDev	.00038	.00075	.00051	.0261	.040	.100	.00006
%RSD	84.556	84.938	40.885	.62102	.09757	.12606	.18177

#1	.00018	.00035	-.00161	4.1785	41.504	79.544	.03511
#2	.00072	.00142	-.00089	4.2153	41.446	79.686	.03520

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00060	758.51	.00074	.00152	.00007	.00055	-.00299
SDev	.00061	.63	.00053	.00312	.00269	.00076	.00311
%RSD	100.83	.08261	72.097	204.49	3793.2	136.04	104.23

#1	.00017	758.07	.00036	.00373	-.00183	.00002	-.00519
#2	.00103	758.95	.00112	-.00068	.00197	.00109	-.00079

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	-.00417	-.00239	.00050	.00011	-.00008	.00434
SDev	.00244	.00125	.00529	.00010	.00123	.00000	.00038
%RSD	352.08	30.002	221.17	19.210	1097.6	2.2687	8.7771

#1	-.00103	-.00329	-.00614	.00043	.00098	-.00008	.00407
#2	.00241	-.00506	.00135	.00057	-.00076	-.00008	.00461

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00128	.00026
SDev	.00020	.00042
%RSD	15.311	165.80

#1	.00114	-.00004
#2	.00142	.00056

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2621	--	--	--	--	--	--
SDev	15.06141	--	--	--	--	--	--
%RSD	.5745723	--	--	--	--	--	--
#1	2611	--	--	--	--	--	--
#2	2632	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611142

Operator: SW

Run Time: 03/15/06 20:14:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03515	.00217	1.9895	.00785	.00051	H940.32	-.00008
SDev	.00094	.00117	.0027	.00001	.00001	2.24	.00001
%RSD	2.6773	54.061	.13784	.12247	2.4597	.23809	16.733

#1	.03449	.00300	1.9875	.00786	.00050	H938.73	-.00009
#2	.03582	.00134	1.9914	.00785	.00052	H941.90	-.00007

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	.00132	-.00090	4.0798	41.393	79.175	.03599
SDev	.00034	.00008	.00072	.0052	.089	.095	.00014
%RSD	216.91	5.8408	80.489	.12765	.21390	.11980	.38049

#1	-.00039	.00126	-.00141	4.0762	41.455	79.108	.03590
#2	.00008	.00137	-.00039	4.0835	41.330	79.242	.03609

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00106	761.16	.00079	.00013	-.00008	-.00001	-.00368
SDev	.00019	1.33	.00013	.00326	.00013	.00100	.00354
%RSD	18.204	.17412	16.310	2499.5	163.20	8998.3	96.193

#1	.00092	760.22	.00088	.00244	-.00018	.00069	-.00118
#2	.00119	762.10	.00070	-.00218	.00001	-.00072	-.00619

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00029	-.00502	-.00302	.00050	-.00317	-.00022	.00522
SDev	.00100	.00517	.00273	.00037	.00010	.00019	.00009
%RSD	343.02	103.04	90.501	74.803	3.0206	87.442	1.7022

#1	.00042	-.00136	-.00109	.00024	-.00310	-.00008	.00528
#2	-.00100	-.00867	-.00494	.00076	-.00324	-.00035	.00515

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00130	-.00003
SDev	.00012	.00027
%RSD	8.8400	1022.5

#1	.00138	.00017
#2	.00122	-.00022

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2647	--	--	--	--	--	--
SDev	5.568466	--	--	--	--	--	--
%RSD	.2103858	--	--	--	--	--	--

#1	2651	--	--	--	--	--	--
#2	2643	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611143

Operator: SW

Run Time: 03/15/06 20:19:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02180	.00049	7.6944	.04702	.00095	H1192.7	-.00013
SDev	.00553	.00039	.0000	.00007	.00001	6.3	.00016
%RSD	25.386	81.256	.00039	.13963	.98831	.52459	120.56

#1	.01788	.00021	7.6944	.04698	.00095	H1188.2	-.00024
#2	.02571	.00076	7.6944	.04707	.00094	H1197.1	-.00002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00051	.00056	-.00217	.22940	256.90	168.38	.04260
SDev	.00077	.00023	.00017	.01719	.77	.62	.00012
%RSD	149.00	41.023	7.7931	7.4943	.29917	.36625	.28137

#1	-.00003	.00040	-.00229	.21724	257.44	167.94	.04252
#2	.00106	.00073	-.00205	.24156	256.36	168.81	.04269

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.05000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00255	H3771.7	.00205	.00103	-.00191	-.00093	-.00296
SDev	.00028	5.8	.00057	.00101	.00003	.00032	.00140
%RSD	11.106	.15326	27.980	97.964	1.4869	34.066	47.305

#1	.00235	H3775.8	.00164	.00174	-.00193	-.00071	-.00395
#2	.00275	H3767.6	.00246	.00032	-.00189	-.00116	-.00197

Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00201	.00479	-.00683	-.00015	-.00343	-.00019	.00937
SDev	.00109	.00758	.00169	.00044	.00320	.00053	.00030
%RSD	54.337	158.31	24.737	288.38	93.186	277.43	3.2230

#1	-.00279	-.00057	-.00564	-.00047	-.00117	-.00057	.00916
#2	-.00124	.01015	-.00803	.00016	-.00019	.00019	.00959

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00238	-.00022
SDev	.00018	.00139
%RSD	7.6630	633.86

#1	.00251	-.00120
#2	.00225	.00076

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2334	--	--	--	--	--	--
SDev	9.811107	--	--	--	--	--	--
%RSD	.4204302	--	--	--	--	--	--
#1	2327	--	--	--	--	--	--
#2	2341	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611144

Operator: SW

Run Time: 03/15/06 20:23:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10830	.00039	2.3472	.00803	.00029	H739.33	.00017
SDev	.00415	.00017	.0014	.00004	.00001	3.06	.00032
%RSD	3.8342	43.684	.06138	.46783	4.9116	.41395	193.08

#1	.11124	.00027	2.3482	.00800	.00030	H741.49	.00039
#2	.10536	.00051	2.3462	.00806	.00028	H737.16	-.00006

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00048	.00124	-.00071	.27189	29.826	62.938	.02114
SDev	.00049	.00038	.00015	.00973	.058	.037	.00002
%RSD	104.00	30.235	21.667	3.5793	.19329	.05869	.10332

#1	.00083	.00151	-.00082	.27877	29.785	62.964	.02112
#2	.00013	.00098	-.00060	.26501	29.867	62.912	.02116

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00084	H880.68	.00148	-.00071	.00045	.00006	-.00587
SDev	.00078	2.38	.00079	.00141	.00247	.00118	.00305
%RSD	93.469	.27077	53.235	199.26	550.44	1854.9	51.915

#1	.00139	H879.00	.00204	-.00170	.00219	.00089	-.00802
#2	.00028	H882.37	.00093	.00029	-.00130	-.00077	-.00371

Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V 2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00053	-.00595	-.00583	.00258	-.00246	.00036	.01630
SDev	.00231	.01379	.00233	.00008	.00130	.00053	.00030
%RSD	434.16	231.90	39.947	3.1884	53.038	148.55	1.8366

#1	.00216	-.01570	-.00418	.00252	-.00338	.00074	.01651
#2	-.00110	.00381	-.00747	.00264	-.00154	-.00002	.01609

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00152	.00010
SDev	.00129	.00021
%RSD	84.565	203.63

#1	.00243	.00025
#2	.00061	-.00004

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2806	--	--	--	--	--	--
SDev	2.174319	--	--	--	--	--	--
%RSD	.0774920	--	--	--	--	--	--

#1	2804	--	--	--	--	--
#2	2807	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611145

Operator: SW

Run Time: 03/15/06 20:28:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.482	.02173	1.6391	.82615	.00585	119.83	.00055
SDev	.693	.00048	.0022	.00268	.00001	.10	.00007
%RSD	1.3211	2.1902	.13191	.32433	.24352	.08477	12.950

#1	52.972	.02207	1.6406	.82804	.00586	119.76	.00050
#2	51.991	.02140	1.6375	.82425	.00584	119.90	.00060

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07003	.09085	.09773	82.419	84.239	60.061	2.3681
SDev	.00034	.00030	.00015	.047	.215	.015	.0012
%RSD	.48345	.32485	.15488	.05686	.25477	.02529	.04962

#1	.07026	.09106	.09762	82.452	84.391	60.050	2.3673
#2	.06979	.09064	.09784	82.386	84.088	60.072	2.3690

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	400.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00502	233.56	.10267	.11419	.11111	.11214	.00389
SDev	.00064	.43	.00115	.00172	.00077	.00006	.00109
%RSD	12.734	.18554	1.1244	1.5085	.69439	.05259	27.927

#1	.00548	233.87	.10349	.11298	.11166	.11210	.00312
#2	.00457	233.25	.10186	.11541	.11057	.11218	.00466

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00168	.00678	.00245	.77230	-.00176	.12754	.32855
SDev	.00130	.00737	.00206	.05625	.00230	.00054	.00027
%RSD	77.151	108.82	83.938	7.2838	130.64	.42109	.08222

#1	.00260	.00156	.00390	.81207	-.00339	.12792	.32875
#2	.00077	.01199	.00100	.73252	-.00013	.12716	.32836

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.02293	.00191
SDev	.00228	.00004
%RSD	9.9466	2.0742

#1	.02454	.00194
#2	.02132	.00188

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3196	--	--	--	--	--	--
SDev	11.34910	--	--	--	--	--	--
%RSD	.3550893	--	--	--	--	--	--
#1	3204	--	--	--	--	--	--
#2	3188	--	--	--	--	--	--

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Analysis Report

QC Standard

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page 1

Method: TRACE2 Sample Name: CCV

Operator: SW

Run Time: 03/15/06 20:35:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.206	.51693	.51114	.53681	.51186	26.552	.50471
SDev	.009	.00263	.00194	.00037	.00042	.041	.00014
%RSD	.03607	.50796	.37894	.06825	.08166	.15426	.02672

#1	26.212	.51879	.50977	.53655	.51156	26.523	.50481
#2	26.199	.51507	.51251	.53707	.51215	26.581	.50462

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50027	.50027	.53837	25.055	26.109	25.816	.50667
SDev	.00023	.00003	.00007	.010	.043	.003	.00024
%RSD	.04668	.00535	.01330	.03965	.16646	.01089	.04717

#1	.50011	.50025	.53842	25.062	26.140	25.814	.50650
#2	.50044	.50029	.53832	25.048	26.078	25.818	.50684

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51440	26.399	.51984	.50581	.51956	.51498	.52376
SDev	.00270	.074	.00120	.00078	.00055	.00011	.00342
%RSD	.52407	.28102	.23085	.15416	.10626	.02108	.65247

#1	.51249	26.452	.51899	.50636	.51916	.51490	.52135
#2	.51631	26.347	.52069	.50526	.51995	.51505	.52618

Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52927	.52138	.52496	.54324	.52824	.51256	.50964
SDev	.00594	.00909	.00058	.00047	.00085	.00147	.00076
%RSD	1.1231	1.7434	.11069	.08611	.16066	.28612	.14899

#1	.52506	.51496	.52455	.54291	.52764	.51360	.50910
#2	.53347	.52781	.52537	.54357	.52884	.51152	.51017

Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280
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Analysis Report QC Standard 03/15/06 08:39:49 PM page 2

Units	ppm	ppm
Avge	.51461	.51338
SDev	.00322	.00040
%RSD	.62645	.07893

#1	.51233	.51366
#2	.51689	.51309

Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3040	--	--	--	--	--	--
SDev	3.341149	--	--	--	--	--	--
%RSD	.1099112	--	--	--	--	--	--
#1	3038	--	--	--	--	--	--
#2	3042	--	--	--	--	--	--

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Analysis Report Blank Sample 03/15/06 08:44:41 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
 Run Time: 03/15/06 20:39:53
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00587	.00096	.00721	-.00003	-.00023	.00024	.00006
SDev	.00180	.00211	.00060	.00006	.00001	.00112	.00003
%RSD	30.585	220.42	8.3711	186.29	4.2666	471.41	47.477

#1	.00714	.00244	.00679	.00001	-.00022	.00103	.00007
#2	.00460	-.00053	.00764	-.00008	-.00023	-.00055	.00004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00056	.00011	-.00202	.00565	-.00149	.00502	.00007
SDev	.00053	.00008	.00056	.00295	.00956	.00013	.00007
%RSD	94.260	70.926	27.609	52.127	640.59	2.6350	106.77

#1	-.00019	.00005	-.00163	.00773	.00527	.00492	.00012
#2	-.00093	.00016	-.00242	.00357	-.00825	.00511	.00002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	.01933	-.00022	.00194	-.00054	.00029	-.00415
SDev	.00050	.05681	.00002	.00240	.00006	.00084	.00059
%RSD	72.071	293.86	7.8538	123.72	10.858	292.68	14.272

#1	.00034	.05950	-.00023	.00024	-.00058	-.00031	-.00373
#2	.00104	-.02084	-.00021	.00363	-.00050	.00088	-.00457

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00229	-.00263	-.00491	.00006	.00023	-.00038	-.00046
SDev	.00212	.00078	.00050	.00003	.00300	.00033	.00044
%RSD	92.573	29.817	10.107	44.616	1299.9	86.838	95.876

#1	.00379	-.00208	-.00456	.00004	-.00189	-.00015	-.00015
#2	.00079	-.00319	-.00526	.00008	.00235	-.00061	-.00077

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	-.00107	-.00025
SDev	.00068	.00057
%RSD	63.363	233.64

#1	-.00059	-.00065
#2	-.00155	.00016

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3023	--	--	--	--	--	--
SDev	1.007662	--	--	--	--	--	--
%RSD	.0333283	--	--	--	--	--	--
#1	3024	--	--	--	--	--	--
#2	3023	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611146 Operator: SW
 Run Time: 03/15/06 20:44:45
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	29.165	.05078	8.8241	1.9158	.00284	24.993	.00534
SDev	.002	.00155	.0151	.0016	.00002	.031	.00009
%RSD	.00836	3.0484	.17087	.08099	.53807	.12518	1.6286

#1	29.164	.05187	8.8134	1.9147	.00283	24.971	.00540
#2	29.167	.04968	8.8347	1.9169	.00285	25.015	.00528

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02828	.19857	.17636	47.454	291.59	4.8564	.82865
SDev	.00048	.00029	.00121	.052	.91	.0053	.00060
%RSD	1.7068	.14598	.68565	.11014	.31054	.11003	.07286

#1	.02794	.19836	.17551	47.417	290.95	4.8602	.82822
#2	.02862	.19877	.17722	47.491	292.23	4.8526	.82907

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.92317	H1512.3	.06992	1.2628	1.2897	1.2807	.00844
SDev	.00588	1.6	.00042	.0016	.0055	.0032	.00054
%RSD	.63665	.10660	.60225	.12472	.42792	.24647	6.3598

#1	.91901	H1511.1	.06962	1.2639	1.2858	1.2785	.00806
#2	.92732	H1513.4	.07022	1.2617	1.2936	1.2829	.00882

Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01860	.01269	.00631	.55075	-.00252	.19467	1.4264
SDev	.00263	.00030	.00095	.00387	.00090	.00036	.0016
%RSD	14.135	2.3501	15.117	.70242	35.891	.18682	.11500

#1	.02046	.01290	.00564	.55348	-.00315	.19441	1.4252
#2	.01674	.01248	.00699	.54801	-.00188	.19493	1.4275

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.25421	.00448
SDev	.00240	.00026
%RSD	.94432	5.8539

#1	.25591	.00430
#2	.25252	.00467

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2925	--	--	--	--	--	--
SDev	10.50043	--	--	--	--	--	--
%RSD	.3589799	--	--	--	--	--	--
#1	2932	--	--	--	--	--	--
#2	2918	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611147

Operator: SW

Run Time: 03/15/06 20:49:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.6479	.01112	.80373	2.1797	.00089	44.482	-.00031
SDev	.0261	.00111	.00082	.0006	.00001	.069	.00005
%RSD	.34138	10.014	.10250	.02929	1.3394	.15575	17.715

#1	7.6295	.01033	.80431	2.1792	.00088	44.433	-.00027
#2	7.6664	.01190	.80315	2.1801	.00090	44.531	-.00034

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02286	.02969	.03116	49.130	14.744	23.130	1.0635
SDev	.00031	.00002	.00028	.053	.002	.014	.0005
%RSD	1.3675	.07787	.91593	.10702	.01459	.05894	.04842

#1	.02308	.02971	.03096	49.092	14.745	23.120	1.0632
#2	.02264	.02967	.03136	49.167	14.742	23.139	1.0639

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.00000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02200	115.94	.01284	.02295	.02185	.02222	-.00066
SDev	.00085	.60	.00066	.00143	.00072	.00001	.00201
%RSD	3.8575	.51788	5.1710	6.2287	3.3003	.02253	304.64

#1	.02260	115.51	.01237	.02396	.02134	.02221	-.00208
#2	.02140	116.36	.01331	.02194	.02236	.02222	.00076

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00220	.00104	-.00151	.19841	-.00010	.03924	.08040
SDev	.00091	.00528	.00037	.00104	.00284	.00023	.00034
%RSD	41.216	508.53	24.825	.52540	2855.7	.57579	.41820

#1	.00284	-.00270	-.00177	.19914	-.00211	.03908	.08064
#2	.00156	.00478	-.00124	.19767	.00191	.03940	.08017

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00456	.00208
SDev	.00148	.00038
%RSD	32.497	18.126

#1	.00561	.00234
#2	.00352	.00181

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3024	--	--	--	--	--	--
SDev	10.76577	--	--	--	--	--	--
%RSD	.3560595	--	--	--	--	--	--
#1	3031	--	--	--	--	--	--
#2	3016	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611148

Operator: SW

Run Time: 03/15/06 20:54:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3602	.00378	1.7530	.51792	-.00006	25.302	-.00001
SDev	.0045	.00006	.0008	.00222	.00002	.032	.00000
%RSD	.19115	1.6640	.04478	.42790	40.163	.12754	26.149

#1	2.3634	.00383	1.7524	.51949	-.00004	25.325	-.00001
#2	2.3571	.00374	1.7535	.51636	-.00008	25.279	-.00001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00129	.00502	.01194	2.2212	38.702	38.035	.08307
SDev	.00003	.00055	.00019	.0049	.018	.024	.00016
%RSD	2.1793	11.021	1.5907	.22020	.04732	.06351	.18748

#1	.00127	.00541	.01207	2.2246	38.689	38.052	.08296
#2	.00131	.00463	.01180	2.2177	38.715	38.018	.08318

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.04000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01983	119.89	.00310	.02907	.02996	.02966	-.00306
SDev	.00082	.00	.00042	.00087	.00076	.00022	.00116
%RSD	4.1131	.00300	13.486	2.9924	2.5296	.72784	37.812

#1	.01925	119.89	.00280	.02968	.02943	.02951	-.00224
#2	.02041	119.89	.00340	.02845	.03050	.02982	-.00388

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00088	-.00317	-.00301	.10774	-.00106	.00459	.04187
SDev	.00231	.00303	.00325	.00324	.00209	.00025	.00007
%RSD	263.30	95.593	108.06	3.0101	196.96	5.4170	.16229

#1	.00251	-.00531	-.00071	.10545	-.00253	.00441	.04182
#2	-.00076	-.00103	-.00531	.11004	.00042	.00477	.04191

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00584	.00024
SDev	.00142	.00015
%RSD	24.334	61.222

#1	.00484	.00014
#2	.00685	.00034

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2976	--	--	--	--	--	--
SDev	1.537992	--	--	--	--	--	--
%RSD	.0516779	--	--	--	--	--	--
#1	2975	--	--	--	--	--	--
#2	2977	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611149

Operator: SW

Run Time: 03/15/06 20:59:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	36.694	.02307	1.0769	.39178	.00324	40.946	-.00060
SDev	.320	.00017	.0048	.00137	.00002	.092	.00013
%RSD	.87296	.75640	.44539	.34997	.51285	.22373	21.620

#1	36.920	.02295	1.0735	.39275	.00323	40.881	-.00069
#2	36.467	.02319	1.0803	.39081	.00325	41.011	-.00051

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03660	.10069	.05334	115.74	43.622	16.233	4.5930
SDev	.00035	.00075	.00014	.11	.117	.022	.0064
%RSD	.95463	.74275	.27028	.09160	.26785	.13696	.13949

#1	.03635	.10121	.05344	115.67	43.704	16.217	4.5884
#2	.03684	.10016	.05324	115.82	43.539	16.249	4.5975

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.00400	-.00400	-.00400	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00482	129.05	.05726	.04270	.04016	.04100	.00236
SDev	.00054	.26	.00010	.00192	.00098	.00002	.00061
%RSD	11.231	.19915	.16964	4.4858	2.4459	.04249	25.878

#1	.00520	129.23	.05733	.04405	.03947	.04099	.00279
#2	.00444	128.87	.05719	.04134	.04085	.04102	.00193

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00081	.00054	.00327	.81022	.00152	.16329	.24982
SDev	.00181	.00097	.00140	.02944	.00201	.00008	.00057
%RSD	223.05	179.67	42.960	3.6335	131.52	.05169	.22786

#1	-.00047	-.00015	.00426	.83103	.00011	.16323	.24942
#2	.00209	.00123	.00227	.78940	.00294	.16335	.25022

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00308	.00083
SDev	.00029	.00006
%RSD	9.4615	7.4678

#1	.00329	.00088
#2	.00288	.00079

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3058	--	--	--	--	--	--
SDev	5.939628	--	--	--	--	--	--
%RSD	.1942293	--	--	--	--	--	--
#1	3062	--	--	--	--	--	--
#2	3054	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611180/PB Operator: SW
 Run Time: 03/15/06 21:04:09
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01857	.00288	.00902	.00001	-.00025	.00965	.00001
SDev	.00334	.00104	.00082	.00003	.00001	.00010	.00011
%RSD	17.983	36.023	9.0996	410.12	5.5221	1.0667	1653.9

#1	.02093	.00215	.00960	.00003	-.00024	.00973	.00009
#2	.01621	.00361	.00844	-.00002	-.00026	.00958	-.00007

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00038	.00053	-.00141	.01544	-.00358	.00238	.00030
SDev	.00009	.00050	.00052	.00215	.02320	.00218	.00013
%RSD	24.354	94.191	36.457	13.959	648.86	91.562	41.350

#1	-.00032	.00089	-.00105	.01391	.01283	.00392	.00039
#2	-.00045	.00018	-.00178	.01696	-.01998	.00084	.00021

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	-.03236	.00033	.00074	.00249	.00191	-.00096
SDev	.00015	.06306	.00076	.00090	.00229	.00123	.00092
%RSD	129.59	194.88	232.93	121.51	91.769	64.205	95.995

#1	.00001	-.07695	.00087	.00010	.00411	.00278	-.00162
#2	.00022	.01223	-.00021	.00138	.00088	.00104	-.00031

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V 2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	-.00043	-.00123	.00004	.00025	.00003	.00152
SDev	.00061	.00185	.00231	.00002	.00179	.00008	.00044
%RSD	259.44	427.44	188.07	33.778	720.12	319.95	29.283

#1	-.00020	.00087	-.00286	.00005	-.00102	-.00003	.00183
#2	.00066	-.00174	.00041	.00003	.00151	.00008	.00121

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00055	.00031
SDev	.00052	.00011
%RSD	95.246	36.055

#1	.00092	.00023
#2	.00018	.00039

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3053	--	--	--	--	--	--
SDev	9.545941	--	--	--	--	--	--
%RSD	.3126792	--	--	--	--	--	--
#1	3046	--	--	--	--	--	--
#2	3060	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611179/FB Operator: SW
 Run Time: 03/15/06 21:09:00
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.225	.20929	.20269	.22172	.20217	10.142	.20185
SDev	.010	.00212	.00243	.00037	.00021	.010	.00001
%RSD	.09458	1.0136	1.1989	.16525	.10241	.09756	.00512

#1	10.232	.21079	.20097	.22146	.20202	10.135	.20184
#2	10.219	.20779	.20441	.22198	.20231	10.149	.20186

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.500	.23000	.23000	.23000	.23000	11.500	.23000
Low	8.5000	.17000	.17000	.17000	.17000	8.5000	.17000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20092	.19832	.20619	9.8966	10.029	10.098	.19675
SDev	.00018	.00038	.00041	.0001	.013	.005	.00013
%RSD	.09217	.18997	.20010	.00102	.13402	.05332	.06330

#1	.20079	.19859	.20649	9.8967	10.039	10.094	.19666
#2	.20105	.19805	.20590	9.8966	10.020	10.102	.19684

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000	.23000	.23000	11.500	11.500	11.500	.23000
Low	.17000	.17000	.17000	8.5000	8.5000	8.5000	.17000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20030	10.829	.20677	.20200	.21063	.20775	.20151
SDev	.00093	.104	.00003	.00258	.00024	.00102	.00061
%RSD	.46547	.95915	.01464	1.2757	.11302	.48946	.30079

#1	.19964	10.902	.20675	.20017	.21046	.20703	.20194
#2	.20096	10.756	.20679	.20382	.21080	.20847	.20108

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.23000	11.500	.23000			.23000	.23000
Low	.17000	8.5000	.17000			.17000	.17000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20671	.19912	.20271	.20765	.20626	.20180	.20894
SDev	.00323	.00533	.00176	.00010	.00285	.00057	.00025
%RSD	1.5632	2.6787	.86712	.04662	1.3823	.28116	.12001

#1	.20443	.20289	.20147	.20772	.20425	.20220	.20876
#2	.20900	.19535	.20395	.20759	.20828	.20140	.20912

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000			.23000	.23000	.23000	.23000
Low	.17000			.17000	.17000	.17000	.17000

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.20357	.05212
SDev	.00031	.00048
%RSD	.15014	.92581

#1	.20379	.05178
#2	.20336	.05246

Errors	LC Pass	LC Pass
High	.23000	.05750
Low	.17000	.04250

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3040	--	--	--	--	--	--
SDev	8.750446	--	--	--	--	--	--
%RSD	.2878566	--	--	--	--	--	--

#1	3046	--	--	--	--	--	--
#2	3034	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611175

Run Time: 03/15/06 21:13:52

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04958	.00305	.03738	.02686	-.00012	40.987	.00012
SDev	.00448	.00072	.00230	.00087	.00010	1.270	.00010
%RSD	9.0428	23.704	6.1588	3.2513	76.944	3.0996	88.644

#1	.05275	.00356	.03901	.02748	-.00006	41.886	.00019
#2	.04641	.00254	.03575	.02625	-.00019	40.089	.00004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00121	.00475	.16658	1.9534	9.8416	.00390
SDev	.00006	.00034	.00011	.00580	.0659	.3081	.00011
%RSD	2954.5	28.130	2.3294	3.4805	3.3717	3.1307	2.7428

#1	-.00004	.00145	.00483	.17068	2.0000	10.059	.00398
#2	.00004	.00097	.00467	.16248	1.9069	9.6237	.00383

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.05000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03940	46.533	.02726	.00351	.00253	.00285	-.00136
SDev	.00165	1.499	.00023	.00145	.00043	.00020	.00007
%RSD	4.1791	3.2209	.84110	41.270	16.876	6.9032	5.3144

#1	.04056	47.592	.02742	.00453	.00223	.00299	-.00131
#2	.03824	45.473	.02710	.00248	.00283	.00271	-.00141

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.05000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00236	-.00233	-.00087	.00062	-.00225	.00023	.02578
SDev	.00048	.00498	.00238	.00005	.00187	.00035	.00043
%RSD	20.458	213.40	274.63	7.8317	83.222	151.30	1.6770

#1	.00202	.00119	-.00255	.00066	-.00093	.00048	.02608
#2	.00270	-.00586	.00082	.00059	-.00357	-.00002	.02547

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00144	.00005
SDev	.00175	.00025
%RSD	121.42	500.13

#1	.00020	-.00013
#2	.00267	.00023

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2958	--	--	--	--	--	--
SDev	78.43585	--	--	--	--	--	--
%RSD	2.651349	--	--	--	--	--	--

#1	2903	--	--	--	--	--
#2	3014	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611175/L (1:5) Operator: SW
 Run Time: 03/15/06 21:18:43
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01302	.00144	.01020	.00513	-.00020	7.8628	-.00005
SDev	.00109	.00104	.00136	.00005	.00001	.0306	.00009
%RSD	8.3340	72.649	13.293	1.0417	7.3325	.38979	157.64

#1	.01225	.00070	.00924	.00509	-.00021	7.8412	-.00012
#2	.01379	.00218	.01116	.00517	-.00019	7.8845	.00001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00014	.00042	-.00084	.03073	.34200	1.9194	.00079
SDev	.00006	.00029	.00010	.01187	.01363	.0017	.00006
%RSD	46.806	67.894	12.351	38.641	3.9846	.08960	7.0815

#1	.00009	.00022	-.00092	.02233	.35164	1.9206	.00075
#2	.00018	.00062	-.00077	.03912	.33237	1.9181	.00082

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00802	9.2197	.00549	.00219	.00177	.00191	-.00061
SDev	.00063	.1151	.00012	.00108	.00011	.00029	.00194
%RSD	7.8433	1.2480	2.2294	49.558	5.9261	15.241	315.39

#1	.00847	9.3011	.00557	.00295	.00170	.00212	-.00198
#2	.00758	9.1383	.00540	.00142	.00185	.00170	.00076

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00073	.00143	-.00164	-.00013	-.00282	.00021	.00512
SDev	.00033	.00185	.00198	.00002	.00102	.00050	.00001
%RSD	45.198	129.05	121.21	15.529	36.194	238.84	.27899

#1	-.00050	.00013	-.00304	-.00012	-.00354	-.00014	.00511
#2	-.00096	.00274	-.00023	-.00015	-.00210	.00056	.00513

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	-.00067	-.00020
SDev	.00115	.00061
%RSD	171.44	300.61

#1	.00014	.00023
#2	-.00149	-.00063

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3017	--	--	--	--	--	--
SDev	7.053459	--	--	--	--	--	--
%RSD	.2337915	--	--	--	--	--	--
#1	3022	--	--	--	--	--	--
#2	3012	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611175/PS

Operator: SW

Run Time: 03/15/06 21:23:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.9149	.20583	.22905	.23644	.19922	48.925	.19769
SDev	.0123	.00063	.00049	.00122	.00014	.010	.00015
%RSD	.12455	.30364	.21200	.51597	.06855	.02022	.07640

#1	9.9062	.20628	.22871	.23730	.19912	48.918	.19779
#2	9.9236	.20539	.22939	.23558	.19931	48.932	.19758

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19348	.19638	.21712	10.037	12.287	19.427	.19639
SDev	.00024	.00094	.00030	.005	.010	.010	.00019
%RSD	.12565	.47939	.13709	.04522	.08025	.05345	.09488

#1	.19365	.19571	.21691	10.034	12.280	19.420	.19626
#2	.19331	.19704	.21733	10.040	12.294	19.435	.19652

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23582	55.061	.22928	.19811	.20341	.20164	.20155
SDev	.00142	.186	.00017	.00057	.00106	.00052	.00266
%RSD	.60161	.33748	.07474	.28927	.52261	.25700	1.3215

#1	.23482	54.930	.22940	.19770	.20416	.20201	.19966
#2	.23683	55.192	.22916	.19851	.20266	.20128	.20343

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19923	.19830	.20317	.20342	.20333	.20019	.21886
SDev	.00400	.00180	.00489	.00040	.00058	.00011	.00023
%RSD	2.0095	.90577	2.4085	.19603	.28540	.05576	.10382

#1	.19640	.19957	.19971	.20314	.20292	.20011	.21902
#2	.20207	.19703	.20663	.20370	.20374	.20027	.21870

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.19846	.02460
SDev	.00181	.00004
%RSD	.91384	.15819

#1	.19975	.02463
#2	.19718	.02457

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2984	--	--	--	--	--	--
SDev	9.121781	--	--	--	--	--	--
%RSD	.3057409	--	--	--	--	--	--
#1	2990	--	--	--	--	--	--
#2	2977	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611176/MS Operator: SW
 Run Time: 03/15/06 21:28:25
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.172	.20959	.22969	.24162	.19972	48.744	.19780
SDev	.014	.00049	.00015	.00057	.00010	.020	.00030
%RSD	.13395	.23218	.06684	.23420	.04927	.04079	.14930

#1	10.162	.20993	.22979	.24122	.19979	48.730	.19759
#2	10.182	.20924	.22958	.24202	.19965	48.758	.19801

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19758	.19636	.20869	9.9164	12.296	19.306	.19894
SDev	.00016	.00085	.00014	.0235	.003	.002	.00007
%RSD	.08174	.43218	.06638	.23740	.02207	.01126	.03578

#1	.19770	.19696	.20859	9.9331	12.298	19.304	.19899
#2	.19747	.19576	.20879	9.8998	12.294	19.307	.19889

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23480	54.407	.22741	.20374	.20705	.20595	.20219
SDev	.00013	.074	.00065	.00089	.00152	.00131	.00477
%RSD	.05613	.13516	.28585	.43886	.73156	.63513	2.3586

#1	.23489	54.459	.22787	.20438	.20812	.20687	.20557
#2	.23471	54.355	.22695	.20311	.20598	.20502	.19882

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20625	.20292	.20183	.20401	.20342	.20017	.22875
SDev	.00018	.01070	.00180	.00043	.00101	.00080	.00049
%RSD	.08549	5.2726	.89376	.21023	.49867	.40142	.21318

#1	.20637	.21048	.20311	.20431	.20270	.20074	.22910
#2	.20612	.19535	.20056	.20371	.20414	.19960	.22841

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.20425	.05205
SDev	.00041	.00038
%RSD	.20116	.72643

#1	.20396	.05231
#2	.20454	.05178

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3017	--	--	--	--	--	--
SDev	14.58408	--	--	--	--	--	--
%RSD	.4833506	--	--	--	--	--	--
#1	3007	--	--	--	--	--	--
#2	3028	--	--	--	--	--	--

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Analysis Report

QC Standard

03/15/06 09:39:24 PM

page 1

Method: TRACE2 Sample Name: CCV

Run Time: 03/15/06 21:34:36

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.055	.51869	.50386	.53430	.50974	26.412	.50280
SDev	.005	.00051	.00327	.00050	.00017	.012	.00012
%RSD	.01755	.09804	.64811	.09347	.03269	.04584	.02293

#1	26.058	.51833	.50155	.53395	.50986	26.403	.50272
#2	26.052	.51905	.50617	.53466	.50962	26.420	.50288

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49950	.49932	.53634	25.015	26.039	25.797	.50651
SDev	.00057	.00072	.00017	.011	.039	.013	.00044
%RSD	.11463	.14464	.03201	.04541	.14919	.05046	.08762

#1	.49909	.49983	.53647	25.007	26.066	25.788	.50682
#2	.49990	.49880	.53622	25.023	26.012	25.807	.50620

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51356	26.382	.51992	.50411	.51634	.51227	.52028
SDev	.00152	.105	.00059	.00458	.00178	.00034	.00164
%RSD	.29672	.39981	.11271	.90860	.34440	.06621	.31478

#1	.51248	26.456	.51951	.50735	.51508	.51251	.51912
#2	.51464	26.307	.52034	.50087	.51760	.51203	.52143

Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.53106	.51647	.52219	.54002	.52557	.51046	.50813
SDev	.00667	.00500	.00004	.00024	.00691	.00013	.00060
%RSD	1.2564	.96841	.00845	.04503	1.3140	.02519	.11757

#1	.52634	.51293	.52222	.54019	.52069	.51037	.50856
#2	.53578	.52000	.52216	.53985	.53045	.51056	.50771

Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280
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Analysis Report QC Standard 03/15/06 09:39:24 PM page 2

Units	ppm	ppm
Avge	.51536	.51205
SDev	.00263	.00006
%RSD	.51047	.01085

#1	.51722	.51209
#2	.51350	.51201

Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3021	--	--	--	--	--	--
SDev	11.45510	--	--	--	--	--	--
%RSD	.3792387	--	--	--	--	--	--
#1	3012	--	--	--	--	--	--
#2	3029	--	--	--	--	--	--

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Analysis Report Blank Sample 03/15/06 09:44:16 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
 Run Time: 03/15/06 21:39:28
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00657	.00098	.00365	-.00005	-.00018	-.00228	.00002
SDev	.00013	.00254	.00126	.00009	.00000	.00031	.00016
%RSD	2.0461	260.32	34.532	174.32	.42008	13.726	1010.0

#1	.00666	-.00082	.00454	-.00011	-.00018	-.00206	-.00010
#2	.00647	.00278	.00276	.00001	-.00018	-.00250	.00013

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	.00010	-.00195	.00459	.00123	.00195	.00008
SDev	.00037	.00014	.00023	.00593	.01349	.00285	.00002
%RSD	485.29	139.47	11.607	129.05	1096.8	146.61	23.207

#1	-.00033	.00000	-.00179	.00040	.01077	.00396	.00009
#2	.00018	.00020	-.00211	.00878	-.00831	-.00007	.00007

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00159	-.05448	-.00068	.00222	-.00064	.00031	-.00284
SDev	.00159	.04828	.00006	.00203	.00088	.00126	.00018
%RSD	99.983	88.620	8.9805	91.481	136.58	407.84	6.2118

#1	.00272	-.08862	-.00064	.00365	-.00002	.00120	-.00272
#2	.00047	-.02034	-.00072	.00078	-.00126	-.00058	-.00296

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V 2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	-.00167	-.00343	-.00009	.00182	.00015	-.00040
SDev	.00268	.00213	.00133	.00009	.00005	.00008	.00018
%RSD	802.67	127.93	38.814	100.93	2.9863	54.573	44.538

#1	-.00156	-.00317	-.00249	-.00015	.00186	.00009	-.00052
#2	.00223	-.00016	-.00437	-.00003	.00178	.00021	-.00027

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	-.00032	.00032
SDev	.00128	.00032
%RSD	399.16	100.91

#1	.00059	.00009
#2	-.00123	.00054

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3008	--	--	--	--	--	--
SDev	10.60660	--	--	--	--	--	--
%RSD	.3526453	--	--	--	--	--	--
#1	3000	--	--	--	--	--	--
#2	3015	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611177/SD Operator: SW
 Run Time: 03/15/06 21:44:20
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.395	.21563	.23255	.25035	.20524	50.091	.20326
SDev	.008	.00265	.00054	.00002	.00002	.012	.00002
%RSD	.07970	1.2265	.23352	.00635	.00908	.02429	.01131

#1	10.389	.21376	.23294	.25034	.20523	50.082	.20325
#2	10.401	.21750	.23217	.25036	.20525	50.099	.20328

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20221	.20123	.21574	10.163	12.532	19.764	.20402
SDev	.00022	.00019	.00008	.002	.011	.004	.00009
%RSD	.10887	.09336	.03628	.02302	.08890	.01774	.04182

#1	.20205	.20136	.21580	10.165	12.540	19.762	.20408
#2	.20237	.20109	.21569	10.162	12.524	19.767	.20395

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24173	55.820	.23432	.20835	.21159	.21051	.20831
SDev	.00183	.158	.00043	.00275	.00004	.00089	.00156
%RSD	.75768	.28236	.18304	1.3177	.01856	.42185	.74723

#1	.24044	55.932	.23401	.21029	.21156	.21114	.20721
#2	.24303	55.709	.23462	.20641	.21162	.20988	.20941

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21430	.20624	.20935	.21096	.20688	.20535	.23680
SDev	.00102	.00413	.00027	.00017	.00390	.00015	.00087
%RSD	.47354	2.0026	.12884	.08067	1.8853	.07282	.36562

#1	.21358	.20332	.20916	.21084	.20413	.20546	.23618
#2	.21501	.20916	.20954	.21108	.20964	.20525	.23741

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.20633	.05286
SDev	.00345	.00014
%RSD	1.6730	.26322

#1	.20389	.05296
#2	.20877	.05276

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3012	--	--	--	--	--	--
SDev	7.053459	--	--	--	--	--	--
%RSD	.2342107	--	--	--	--	--	--
#1	3007	--	--	--	--	--	--
#2	3017	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611178-SD
 Run Time: 03/15/06 21:49:11 Operator: SW
 Comment: *Tues 3/16/06*
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06346	.00339	.03364	.03062	-.00015	47.006	.00018
SDev	.00032	.00139	.00008	.00023	.00000	.183	.00011
%RSD	.49718	41.157	.22818	.75420	.06815	.38919	58.573

#1	.06324	.00437	.03358	.03046	-.00015	46.877	.00011
#2	.06368	.00240	.03369	.03079	-.00015	47.135	.00026

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00014	.00088	.00379	.21588	2.7734	11.014	.00507
SDev	.00017	.00028	.00035	.00006	.0025	.037	.00000
%RSD	117.83	31.571	9.3373	.02734	.09068	.33183	.02187

#1	.00027	.00069	.00404	.21592	2.7752	10.988	.00507
#2	.00002	.00108	.00354	.21583	2.7716	11.040	.00507

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.04000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03842	255.65	.02612	.00195	.00260	.00239	-.00128
SDev	.00022	1.77	.00038	.00150	.00045	.00020	.00228
%RSD	.57614	.69420	1.4364	76.889	17.312	8.3381	178.28

#1	.03857	254.39	.02639	.00089	.00292	.00225	.00033
#2	.03826	256.90	.02586	.00301	.00228	.00253	-.00290

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V 2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00329	.00296	-.00340	.00088	-.00295	.00028	.01901
SDev	.00131	.00047	.00366	.00062	.00212	.00008	.00020
%RSD	39.832	15.926	107.66	70.404	72.038	29.215	1.0812

#1	.00422	.00263	-.00081	.00044	-.00145	.00034	.01915
#2	.00236	.00329	-.00599	.00132	-.00445	.00022	.01886

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00045	.00011
SDev	.00393	.00006
%RSD	876.14	58.359

#1	-.00233	.00016
#2	.00323	.00007

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2976	--	--	--	--	--	--
SDev	9.704937	--	--	--	--	--	--
%RSD	.3261602	--	--	--	--	--	--
#1	2982	--	--	--	--	--	--
#2	2969	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611029/PB

Operator: SW

Run Time: 03/15/06 21:54:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00863	-.00030	.00207	-.00004	-.00025	.01665	.00002
SDev	.00176	.00096	.00006	.00002	.00001	.00100	.00025
%RSD	20.350	318.71	2.7418	60.778	4.1127	5.9818	1538.4

#1	.00987	-.00098	.00203	-.00002	-.00024	.01736	.00019
#2	.00739	.00038	.00211	-.00006	-.00026	.01595	-.00016

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00041	-.00212	.00409	-.01189	.00113	.00010
SDev	.00026	.00017	.00008	.00220	.01641	.00230	.00002
%RSD	14694.	40.649	3.6531	53.962	138.08	203.79	16.632

#1	.00019	.00029	-.00218	.00564	-.00028	.00276	.00009
#2	-.00018	.00053	-.00207	.00253	-.02349	-.00050	.00012

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00028	-.06937	.00008	.00100	-.00117	-.00044	-.00101
SDev	.00026	.00031	.00012	.00142	.00130	.00039	.00002
%RSD	90.595	.44862	146.02	142.60	111.22	87.762	1.8981

#1	.00046	-.06915	.00016	.00200	-.00208	-.00072	-.00103
#2	.00010	-.06959	-.00000	-.00001	-.00025	-.00017	-.00100

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00162	-.00129	-.00088	-.00002	-.00135	.00009	.00179
SDev	.00087	.00335	.00171	.00006	.00078	.00000	.00009
%RSD	53.767	260.23	194.66	262.59	57.741	.89030	5.2525

#1	.00100	.00108	-.00208	.00002	-.00080	.00009	.00185
#2	.00224	-.00366	.00033	-.00007	-.00190	.00009	.00172

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avg	.00050	.00048
SDev	.00203	.00000
%RSD	405.68	.07816

#1	-.00094	.00048
#2	.00194	.00048

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	3031	--	--	--	--	--	--
SDev	6.257964	--	--	--	--	--	--
%RSD	.2064875	--	--	--	--	--	--
#1	3026	--	--	--	--	--	--
#2	3035	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611028/FB Operator: SW
 Run Time: 03/15/06 21:58:54
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.136	.20896	.19770	.21783	.20141	10.062	.20088
SDev	.009	.00351	.00015	.00025	.00033	.003	.00014
%RSD	.08759	1.6803	.07397	.11472	.16287	.02524	.07069

#1	10.142	.21144	.19759	.21801	.20118	10.064	.20099
#2	10.130	.20647	.19780	.21765	.20164	10.060	.20078

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.500	.23000	.23000	.23000	.23000	11.500	.23000
Low	8.5000	.17000	.17000	.17000	.17000	8.5000	.17000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20049	.19899	.20558	9.9168	10.004	10.083	.19730
SDev	.00028	.00046	.00026	.0047	.006	.010	.00000
%RSD	.13706	.23081	.12872	.04712	.06365	.09552	.00033

#1	.20030	.19866	.20540	9.9135	10.008	10.090	.19730
#2	.20068	.19931	.20577	9.9201	9.9991	10.077	.19730

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000	.23000	.23000	11.500	11.500	11.500	.23000
Low	.17000	.17000	.17000	8.5000	8.5000	8.5000	.17000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20024	10.626	.20552	.20465	.20963	.20797	.20241
SDev	.00231	.003	.00072	.00009	.00051	.00031	.00154
%RSD	1.1520	.02872	.35105	.04208	.24320	.14972	.75912

#1	.19861	10.628	.20603	.20471	.20927	.20775	.20132
#2	.20187	10.623	.20501	.20459	.20999	.20819	.20350

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.23000	11.500	.23000			.23000	.23000
Low	.17000	8.5000	.17000			.17000	.17000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V 2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20809	.20256	.20234	.20603	.20738	.20206	.20996
SDev	.00242	.00291	.00085	.00011	.00014	.00036	.00042
%RSD	1.1639	1.4357	.42047	.05521	.06784	.17844	.19970

#1	.20981	.20051	.20173	.20611	.20748	.20181	.21026
#2	.20638	.20462	.20294	.20595	.20728	.20232	.20967

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000			.23000	.23000	.23000	.23000
Low	.17000			.17000	.17000	.17000	.17000

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.20285	.05154
SDev	.00034	.00005
%RSD	.16835	.10126

#1	.20261	.05158
#2	.20309	.05151

Errors	LC Pass	LC Pass
High	.23000	.05750
Low	.17000	.04250

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3009	--	--	--	--	--	--
SDev	1.643989	--	--	--	--	--	--
%RSD	.0546378	--	--	--	--	--	--
#1	3010	--	--	--	--	--	--
#2	3008	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611021

Operator: SW

Run Time: 03/15/06 22:03:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00486	.00293	.01080	.17021	-.00019	68.697	.00003
SDev	.00147	.00153	.00093	.00008	.00002	.059	.00001
%RSD	30.377	52.323	8.5881	.04662	11.955	.08572	16.302

#1	.00381	.00185	.01146	.17027	-.00018	68.655	.00002
#2	.00590	.00402	.01015	.17016	-.00021	68.739	.00003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00099	-.00109	.01138	.58956	14.236	.00728
SDev	.00003	.00014	.00023	.00811	.02621	.016	.00001
%RSD	35.513	14.069	20.791	71.291	4.4462	.10960	.15534

#1	-.00007	.00090	-.00125	.01712	.60809	14.225	.00729
#2	-.00011	.00109	-.00093	.00564	.57102	14.247	.00727

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00145	3.0437	.00052	.00244	.00097	.00146	-.00313
SDev	.00021	.0913	.00013	.00099	.00105	.00103	.00038
%RSD	14.220	3.0010	24.574	40.690	108.69	70.770	12.123

#1	.00160	3.1083	.00060	.00314	.00171	.00218	-.00286
#2	.00131	2.9791	.00043	.00174	.00022	.00073	-.00340

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00054	-.00121	-.00409	-.00008	-.00097	.00003	.00160
SDev	.00027	.00292	.00089	.00028	.00151	.00008	.00000
%RSD	50.030	242.08	21.809	334.69	156.47	286.46	.25496

#1	.00073	.00086	-.00472	.00011	-.00204	-.00003	.00160
#2	.00035	-.00327	-.00346	-.00028	.00010	.00009	.00160

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avg	-.00028	.00013
SDev	.00233	.00030
%RSD	836.23	238.81

#1	.00137	.00034
#2	-.00192	-.00009

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	3025	--	--	--	--	--	--
SDev	4.613803	--	--	--	--	--	--
%RSD	.1525180	--	--	--	--	--	--

#1	3022	--	--	--	--	--
#2	3028	--	--	--	--	--

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Analysis Report

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Method: TRACE2

Sample Name: AD611128/PB

Operator: SW

Run Time: 03/15/06 22:08:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00482	.00297	.00220	-.00011	-.00024	.00577	-.00007
SDev	.00104	.00109	.00108	.00016	.00002	.00128	.00006
%RSD	21.543	36.840	49.137	143.97	8.5413	22.130	98.319

#1	.00409	.00374	.00296	.00000	-.00023	.00668	-.00011
#2	.00556	.00219	.00144	-.00023	-.00026	.00487	-.00002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	.00057	-.00138	.00978	-.00972	-.00116	.00032
SDev	.00027	.00032	.00009	.00149	.02433	.00235	.00003
%RSD	199.44	56.891	6.2084	15.262	250.34	202.66	10.461

#1	-.00032	.00080	-.00144	.01084	.00748	-.00282	.00029
#2	.00005	.00034	-.00132	.00873	-.02692	.00050	.00034

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	.06119	.00029	-.00006	.00026	.00016	-.00364
SDev	.00015	.01375	.00049	.00115	.00081	.00016	.00015
%RSD	79.742	22.462	167.58	2062.0	306.08	100.42	4.2344

#1	-.00029	.05147	.00064	-.00087	.00084	.00027	-.00374
#2	-.00008	.07091	-.00005	.00076	-.00031	.00005	-.00353

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00231	-.00104	-.00494	-.00015	-.00223	.00020	.00389
SDev	.00142	.00065	.00056	.00014	.00100	.00016	.00006
%RSD	61.478	62.492	11.249	90.980	45.022	80.898	1.6297

#1	.00332	-.00058	-.00533	-.00005	-.00152	.00009	.00384
#2	.00131	-.00150	-.00454	-.00025	-.00294	.00031	.00393

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00072	.00049
SDev	.00033	.00030
%RSD	45.511	62.045

#1	.00095	.00070
#2	.00049	.00027

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3044	--	--	--	--	--	--
SDev	16.12207	--	--	--	--	--	--
%RSD	.5297083	--	--	--	--	--	--

#1	3032	--	--	--	--	--	--
#2	3055	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611127/FB Operator: SW
 Run Time: 03/15/06 22:13:28
 Comment:
 Mode: QONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.243	.20962	.19992	.22179	.20250	10.163	.20280
SDev	.015	.00015	.00133	.00025	.00014	.016	.00027
%RSD	.14867	.07330	.66567	.11412	.06791	.15899	.13369

#1	10.233	.20973	.19898	.22161	.20240	10.151	.20261
#2	10.254	.20951	.20086	.22197	.20260	10.174	.20299

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.500	.23000	.23000	.23000	.23000	11.500	.23000
Low	8.5000	.17000	.17000	.17000	.17000	8.5000	.17000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20158	.19954	.20622	9.9474	10.076	10.168	.19787
SDev	.00044	.00040	.00068	.0061	.003	.004	.00007
%RSD	.21667	.20028	.32979	.06145	.03339	.04302	.03486

#1	.20127	.19926	.20574	9.9431	10.073	10.165	.19782
#2	.20189	.19983	.20670	9.9517	10.078	10.171	.19792

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000	.23000	.23000	11.500	11.500	11.500	.23000
Low	.17000	.17000	.17000	8.5000	8.5000	8.5000	.17000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20194	10.773	.20780	.20742	.21180	.21034	.20917
SDev	.00054	.007	.00009	.00300	.00200	.00033	.00452
%RSD	.26755	.06640	.04463	1.4449	.94261	.15861	2.1624

#1	.20156	10.778	.20773	.20954	.21039	.21011	.21237
#2	.20233	10.768	.20786	.20531	.21321	.21058	.20598

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.23000	11.500	.23000			.23000	.23000
Low	.17000	8.5000	.17000			.17000	.17000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20696	.20548	.21103	.20765	.20757	.20237	.21072
SDev	.00052	.01166	.00096	.00003	.00635	.00011	.00014
%RSD	.24864	5.6744	.45262	.01528	3.0575	.05410	.06679

#1	.20659	.21372	.21170	.20763	.20308	.20229	.21082
#2	.20732	.19723	.21035	.20767	.21206	.20245	.21062

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000			.23000	.23000	.23000	.23000
Low	.17000			.17000	.17000	.17000	.17000

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.20570	.05227
SDev	.00116	.00010
%RSD	.56341	.19652

#1	.20488	.05219
#2	.20652	.05234

Errors	LC Pass	LC Pass
High	.23000	.05750
Low	.17000	.04250

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3035	--	--	--	--	--	--
SDev	3.287978	--	--	--	--	--	--
%RSD	.1083425	--	--	--	--	--	--
#1	3032	--	--	--	--	--	--
#2	3037	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611109

Operator: SW

Run Time: 03/15/06 22:18:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9503	.00325	.10342	.03286	-.00011	78.186	-.00011
SDev	.0048	.00026	.00037	.00007	.00000	.092	.00011
%RSD	.24389	7.9142	.36050	.20915	4.0586	.11751	98.926

#1	1.9537	.00306	.10369	.03291	-.00011	78.121	-.00018
#2	1.9470	.00343	.10316	.03281	-.00011	78.251	-.00003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	.03645	.00427	.65590	294.09	.70006	.01766
SDev	.00007	.00005	.00014	.00204	.16	.00032	.00002
%RSD	29.284	.13389	3.2924	.31067	.05599	.04647	.12227

#1	.00018	.03642	.00417	.65734	294.21	.70029	.01764
#2	.00028	.03649	.00437	.65446	293.97	.69983	.01768

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03825	20.096	.00131	.00482	.00443	.00456	.01208
SDev	.00049	.051	.00023	.00254	.00052	.00050	.00030
%RSD	1.2697	.25270	17.562	52.647	11.798	10.893	2.4790

#1	.03790	20.132	.00115	.00303	.00480	.00421	.01229
#2	.03859	20.060	.00148	.00662	.00406	.00491	.01187

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00240	.01440	.01092	.01504	-.00331	.01644	.01617
SDev	.00020	.00223	.00156	.00001	.00313	.00024	.00035
%RSD	8.2203	15.483	14.314	.09319	94.766	1.4523	2.1415

#1	.00254	.01282	.01203	.01505	-.00109	.01627	.01593
#2	.00226	.01597	.00982	.01503	-.00552	.01661	.01642

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00114	.00024
SDev	.00101	.00008
%RSD	88.509	34.062

#1	.00043	.00030
#2	.00185	.00018

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd.	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2970	--	--	--	--	--	--
SDev	2.439484	--	--	--	--	--	--
%RSD	.0821375	--	--	--	--	--	--
#1	2968	--	--	--	--	--	--
#2	2972	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611110

Operator: SW

Run Time: 03/15/06 22:23:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.5578	.00815	.38090	.21290	.00038	309.29	.00021
SDev	.1423	.00097	.00121	.00086	.00003	.18	.00011
%RSD	1.6628	11.843	.31852	.40517	8.7017	.05898	53.123

#1	8.6584	.00747	.38005	.21351	.00040	309.42	.00013
#2	8.4572	.00883	.38176	.21229	.00035	309.16	.00029

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00555	.01755	.06540	19.822	38.342	83.930	1.1576
SDev	.00023	.00047	.00004	.019	.055	.052	.0004
%RSD	4.0825	2.7048	.06616	.09823	.14408	.06247	.03892

#1	.00571	.01788	.06537	19.836	38.381	83.967	1.1579
#2	.00539	.01721	.06543	19.808	38.303	83.893	1.1572

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00513	60.893	.01965	.16970	.17449	.17289	-.00233
SDev	.00039	.029	.00034	.00119	.00232	.00195	.00200
%RSD	7.6113	.04770	1.7345	.70121	1.3317	1.1256	85.801

#1	.00485	60.872	.01990	.17054	.17613	.17427	-.00092
#2	.00540	60.913	.01941	.16886	.17285	.17152	-.00375

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01660	-.00319	-.00190	.26150	-.00232	.01602	.18704
SDev	.00080	.00445	.00078	.01902	.00077	.00041	.00071
%RSD	4.8226	139.22	40.962	7.2728	33.059	2.5607	.38063

#1	.01716	-.00005	-.00135	.27495	-.00177	.01631	.18755
#2	.01603	-.00634	-.00245	.24805	-.00286	.01573	.18654

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.01010	.00060
SDev	.00030	.00039
%RSD	2.9500	65.760

#1	.01031	.00087
#2	.00989	.00032

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2967	--	--	--	--	--	--
SDev	14.15974	--	--	--	--	--	--
%RSD	.4771748	--	--	--	--	--	--
#1	2957	--	--	--	--	--	--
#2	2977	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611110/L (1:5) Operator: SW
 Run Time: 03/15/06 22:28:02
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0873	.00470	.07832	.04434	-.00004	60.286	.00014
SDev	.0043	.00073	.00056	.00047	.00000	.239	.00005
%RSD	.20785	15.628	.72084	1.0500	2.2901	.39562	31.955

#1	2.0904	.00522	.07872	.04467	-.00004	60.455	.00017
#2	2.0843	.00418	.07792	.04401	-.00004	60.117	.00011

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00121	.00409	.01232	4.1428	7.2408	16.855	.23738
SDev	.00020	.00015	.00014	.0071	.0257	.034	.00010
%RSD	16.533	3.5507	1.1685	.17256	.35539	.20402	.04362

#1	.00135	.00398	.01242	4.1378	7.2590	16.879	.23730
#2	.00107	.00419	.01222	4.1479	7.2226	16.830	.23745

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00125	12.081	.00449	.03281	.03587	.03485	-.00150
SDev	.00061	.005	.00032	.00084	.00074	.00022	.00030
%RSD	48.595	.04492	7.0186	2.5436	2.0704	.62405	19.770

#1	.00082	12.085	.00471	.03222	.03640	.03501	-.00129
#2	.00168	12.077	.00427	.03340	.03535	.03470	-.00171

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00162	-.00586	.00068	.08222	-.00083	.00371	.04919
SDev	.00107	.00106	.00008	.00023	.00012	.00008	.00007
%RSD	65.770	18.064	12.404	.27699	14.720	2.2245	.15328

#1	.00087	-.00511	.00062	.08206	-.00091	.00376	.04925
#2	.00238	-.00661	.00074	.08238	-.00074	.00365	.04914

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00115	.00038
SDev	.00098	.00015
%RSD	84.952	38.722

#1	.00184	.00027
#2	.00046	.00048

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2985	--	--	--	--	--	--
SDev	.8484936	--	--	--	--	--	--
%RSD	.0284260	--	--	--	--	--	--
#1	2986	--	--	--	--	--	--
#2	2984	--	--	--	--	--	--

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Analysis Report

QC Standard

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page 1

Method: TRACE2 Sample Name: CCV
Run Time: 03/15/06 22:34:13

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.959	.51089	.49929	.52750	.50750	26.226	.50140
SDev	.013	.00298	.00069	.00127	.00055	.045	.00056
%RSD	.05150	.58231	.13792	.24156	.10884	.17119	.11156

#1	25.968	.50879	.49881	.52660	.50711	26.195	.50100
#2	25.950	.51300	.49978	.52840	.50790	26.258	.50179

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49791	.49845	.53331	24.979	26.041	25.721	.50665
SDev	.00043	.00116	.00006	.022	.019	.032	.00034
%RSD	.08621	.23194	.01114	.08675	.07292	.12502	.06738

#1	.49761	.49763	.53335	24.964	26.055	25.698	.50640
#2	.49822	.49927	.53327	24.994	26.028	25.744	.50689

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51341	26.287	.51607	.50643	.51302	.51082	.51765
SDev	.00357	.131	.00009	.00555	.00035	.00161	.00140
%RSD	.69459	.49676	.01744	1.0954	.06823	.31594	.27066

#1	.51089	26.379	.51601	.51035	.51277	.51197	.51864
#2	.51593	26.194	.51613	.50251	.51327	.50968	.51666

Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52792	.51923	.51686	.53592	.52352	.50778	.50529
SDev	.00362	.00812	.00196	.00065	.00505	.00073	.00141
%RSD	.68652	1.5633	.37862	.12196	.96512	.14420	.27830

#1	.52536	.52497	.51548	.53545	.51995	.50727	.50430
#2	.53048	.51349	.51825	.53638	.52710	.50830	.50628

Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.51333	.50852
SDev	.00019	.00082
%RSD	.03744	.16216

#1	.51347	.50794
#2	.51320	.50911

Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2999	--	--	--	--	--	--
SDev	13.36442	--	--	--	--	--	--
%RSD	.4455810	--	--	--	--	--	--
#1	2990	--	--	--	--	--	--
#2	3009	--	--	--	--	--	--

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Analysis Report Blank Sample 03/15/06 10:43:53 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
 Run Time: 03/15/06 22:39:05
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00671	.00096	.00169	-.00000	-.00017	-.00091	.00006
SDev	.00043	.00028	.00087	.00008	.00001	.00025	.00011
%RSD	6.3502	29.054	51.693	2028.7	6.7601	26.873	186.37

#1	.00701	.00116	.00107	.00005	-.00017	-.00074	.00014
#2	.00641	.00077	.00231	-.00006	-.00018	-.00109	-.00002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.00037	-.00132	.00198	-.00558	-.00058	.00007
SDev	.00016	.00026	.00009	.00370	.02377	.00051	.00000
%RSD	134.11	70.459	6.9006	186.85	425.93	89.375	.09481

#1	-.00001	.00018	-.00125	.00460	.01123	-.00021	.00007
#2	-.00024	.00055	-.00138	-.00064	-.02239	-.00094	.00007

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00136	.00269	-.00040	.00221	.00023	.00088	-.00206
SDev	.00061	.04128	.00027	.00075	.00152	.00077	.00295
%RSD	45.281	1536.9	67.725	33.818	676.44	86.808	143.11

#1	.00179	-.02650	-.00021	.00273	-.00085	.00034	.00002
#2	.00092	.03187	-.00060	.00168	.00130	.00143	-.00415

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00079	-.00495	-.00062	.00001	-.00167	.00003	-.00021
SDev	.00125	.00987	.00051	.00014	.00005	.00042	.00009
%RSD	158.53	199.35	82.543	2653.1	2.7121	1342.3	42.542

#1	-.00010	.00203	-.00098	.00011	-.00163	.00032	-.00027
#2	.00167	-.01194	-.00026	-.00010	-.00170	-.00026	-.00015

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00008	.00033
SDev	.00187	.00008
%RSD	2240.6	24.349

#1	-.00124	.00039
#2	.00141	.00027

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3004	--	--	--	--	--	--
SDev	.9544906	--	--	--	--	--	--
%RSD	.0317687	--	--	--	--	--	--
#1	3004	--	--	--	--	--	--
#2	3005	--	--	--	--	--	--

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Analysis Report 03/15/06 10:48:44 PM page 1

Method: TRACE2 Sample Name: AD611110/PS Operator: SW
 Run Time: 03/15/06 22:43:57
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.509	.21550	.57403	.42261	.19806	312.81	.19585
SDev	.196	.00206	.00111	.00028	.00038	.57	.00021
%RSD	1.0584	.95582	.19384	.06660	.19330	.18165	.10771

#1	18.647	.21696	.57324	.42281	.19779	312.41	.19570
#2	18.370	.21405	.57482	.42241	.19833	313.21	.19600

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19557	.21115	.27582	29.222	48.816	92.355	1.3287
SDev	.00046	.00080	.00067	.006	.160	.059	.0021
%RSD	.23591	.37661	.24437	.02142	.32709	.06389	.15834

#1	.19524	.21172	.27534	29.226	48.929	92.313	1.3272
#2	.19590	.21059	.27630	29.217	48.703	92.396	1.3302

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.04000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20524	70.360	.21695	.36323	.37034	.36797	.20857
SDev	.00083	.072	.00020	.00245	.00068	.00036	.00325
%RSD	.40405	.10264	.09465	.67516	.18510	.09767	1.5601

#1	.20465	70.411	.21710	.36496	.36986	.36823	.20627
#2	.20583	70.309	.21680	.36149	.37083	.36772	.21087

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21787	.20945	.20813	.46507	.20365	.21514	.37004
SDev	.00000	.00226	.00375	.01196	.00422	.00046	.00037
%RSD	.00164	1.0804	1.8015	2.5714	2.0722	.21571	.09937

#1	.21787	.20785	.20548	.47353	.20066	.21481	.36978
#2	.21786	.21105	.21079	.45662	.20663	.21547	.37030

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.21088	.02497
SDev	.00062	.00042
%RSD	.29540	1.6726

#1	.21133	.02527
#2	.21044	.02468

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2935	--	--	--	--	--	--
SDev	5.091134	--	--	--	--	--	--
%RSD	.1734909	--	--	--	--	--	--
#1	2938	--	--	--	--	--	--
#2	2931	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611111

Operator: SW

Run Time: 03/15/06 22:48:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7727	.00802	.37635	.18070	.00026	295.74	.00022
SDev	.1054	.00179	.00118	.00010	.00001	.33	.00000
%RSD	1.8263	22.255	.31350	.05259	2.9556	.11291	1.6068

#1	5.8472	.00929	.37552	.18077	.00027	295.51	.00022
#2	5.6981	.00676	.37719	.18064	.00026	295.98	.00022

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00395	.01161	.04697	14.925	37.585	79.078	1.0465
SDev	.00005	.00016	.00002	.029	.041	.039	.0003
%RSD	1.3010	1.3568	.05042	.19592	.10958	.04955	.03115

#1	.00398	.01172	.04696	14.946	37.615	79.050	1.0463
#2	.00391	.01150	.04699	14.905	37.556	79.106	1.0468

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00531	60.409	.01481	.10336	.10955	.10749	-.00361
SDev	.00056	.179	.00036	.00031	.00045	.00040	.00476
%RSD	10.620	.29640	2.4134	.29988	.40693	.37265	131.82

#1	.00571	60.282	.01506	.10358	.10987	.10778	-.00025
#2	.00491	60.535	.01455	.10314	.10924	.10721	-.00697

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01185	-.00605	-.00239	.18666	.00018	.01021	.12541
SDev	.00150	.00705	.00361	.01000	.00083	.00051	.00051
%RSD	12.651	116.65	150.99	5.3566	453.74	4.9856	.45029

#1	.01291	-.00106	.00016	.19373	-.00041	.01057	.12581
#2	.01079	-.01103	-.00495	.17959	.00077	.00985	.12501

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00612	.00030
SDev	.00037	.00010
%RSD	5.9804	33.386

#1	.00638	.00023
#2	.00586	.00037

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2932	--	--	--	--	--	--
SDev	.3711620	--	--	--	--	--	--
%RSD	.0126583	--	--	--	--	--	--
#1	2932	--	--	--	--	--	--
#2	2932	--	--	--	--	--	--

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Method: TRACE2 Sample Name: AD611112/MS Operator: SW
 Run Time: 03/15/06 22:53:39
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.530	.21590	.60659	.36805	.19818	319.21	.19565
SDev	.003	.00009	.00042	.00011	.00022	.74	.00024
%RSD	.02024	.04038	.06968	.02879	.11199	.23175	.12313

#1	13.532	.21584	.60629	.36797	.19802	318.69	.19548
#2	13.528	.21596	.60689	.36812	.19834	319.73	.19582

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19683	.19959	.23636	20.633	49.326	95.359	1.2259
SDev	.00103	.00036	.00000	.033	.043	.109	.0007
%RSD	.52084	.17790	.00048	.15838	.08742	.11468	.05325

#1	.19611	.19934	.23636	20.610	49.357	95.282	1.2255
#2	.19756	.19984	.23637	20.656	49.296	95.436	1.2264

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20369	74.922	.20863	.25844	.26320	.26162	.20814
SDev	.00184	.088	.00010	.00225	.00444	.00221	.00252
%RSD	.90110	.11780	.04697	.86861	1.6867	.84614	1.2118

#1	.20239	74.859	.20856	.26003	.26007	.26005	.20636
#2	.20499	74.984	.20870	.25685	.26634	.26318	.20993

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21495	.20876	.20784	.31789	.20289	.20596	.26180
SDev	.00280	.00515	.00121	.00823	.00348	.00001	.00004
%RSD	1.3031	2.4645	.58268	2.5896	1.7154	.00553	.01656

#1	.21297	.20512	.20698	.31207	.20043	.20596	.26183
#2	.21693	.21240	.20870	.32371	.20535	.20595	.26177

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.20758	.05285
SDev	.00224	.00016
%RSD	1.0783	.30132

#1	.20599	.05296
#2	.20916	.05274

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2961	--	--	--	--	--	--
SDev	2.545654	--	--	--	--	--	--
%RSD	.0859641	--	--	--	--	--	--
#1	2960	--	--	--	--	--	--
#2	2963	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611113/SD Operator: SW
 Run Time: 03/15/06 22:58:30
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.401	.21511	.58015	.39691	.19709	307.47	.19445
SDev	.038	.00192	.00188	.00208	.00009	.12	.00007
%RSD	.22971	.89377	.32341	.52353	.04460	.03843	.03406

#1	16.428	.21375	.57882	.39838	.19703	307.56	.19440
#2	16.375	.21647	.58147	.39544	.19715	307.39	.19449

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19693	.20469	.25012	25.163	49.711	89.880	1.2585
SDev	.00034	.00016	.00001	.052	.034	.111	.0020
%RSD	.17165	.07774	.00241	.20525	.06749	.12310	.16203

#1	.19669	.20458	.25013	25.127	49.688	89.802	1.2570
#2	.19717	.20480	.25012	25.200	49.735	89.958	1.2599

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.04000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20363	72.330	.21073	.30673	.31569	.31270	.19952
SDev	.00225	.195	.00053	.00200	.00093	.00129	.00125
%RSD	1.1049	.26906	.25344	.65269	.29419	.41129	.62495

#1	.20204	72.193	.21035	.30531	.31503	.31179	.20040
#2	.20522	72.468	.21111	.30814	.31634	.31361	.19863

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21332	.20216	.19820	.38901	.19950	.20949	.33896
SDev	.00118	.00489	.00057	.01255	.00188	.00025	.00132
%RSD	.55229	2.4186	.28975	3.2271	.94346	.12066	.39030

#1	.21415	.20561	.19779	.39789	.19817	.20932	.33990
#2	.21249	.19870	.19860	.38013	.20083	.20967	.33803

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.20322	.05198
SDev	.00080	.00041
%RSD	.39237	.78596

#1	.20266	.05227
#2	.20379	.05169

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2950	--	--	--	--	--	--
SDev	8.379112	--	--	--	--	--	--
%RSD	.2840256	--	--	--	--	--	--

#1	2944	--	--	--	--	--	--
#2	2956	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611114

Operator: SW

Run Time: 03/15/06 23:03:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.908	.04105	.34191	.26242	.00134	303.44	.00009
SDev	.038	.00056	.00155	.00047	.00003	.26	.00002
%RSD	.25786	1.3634	.45311	.17911	2.0779	.08643	22.733

#1	14.881	.04145	.34081	.26209	.00136	303.26	.00008
#2	14.935	.04066	.34301	.26275	.00132	303.63	.00010

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00834	.02169	.03212	19.078	20.709	55.850	1.2200
SDev	.00027	.00034	.00002	.020	.057	.045	.0007
%RSD	3.1920	1.5752	.07462	.10358	.27365	.08031	.06075

#1	.00816	.02193	.03214	19.065	20.669	55.818	1.2195
#2	.00853	.02144	.03211	19.092	20.749	55.881	1.2205

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.50000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00497	18.222	.02080	.09489	.09607	.09568	.00219
SDev	.00078	.098	.00008	.00041	.00016	.00003	.00110
%RSD	15.770	.53837	.37963	.43195	.16814	.03005	50.091

#1	.00552	18.153	.02086	.09518	.09595	.09570	.00141
#2	.00441	18.291	.02074	.09460	.09618	.09566	.00296

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00158	.00940	-.00142	.54873	-.00022	.03402	.36236
SDev	.00213	.00616	.00472	.00449	.00168	.00032	.00006
%RSD	134.85	65.515	332.52	.81888	746.31	.92558	.01738

#1	.00309	.01376	-.00476	.55190	-.00141	.03425	.36241
#2	.00007	.00505	.00192	.54555	.00096	.03380	.36232

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Units	ppm	ppm
Avge	.00359	.00048
SDev	.00007	.00026
%RSD	1.8998	53.643

#1	.00354	.00066
#2	.00363	.00030

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3030	--	--	--	--	--	--
SDev	13.09908	--	--	--	--	--	--
%RSD	.4323505	--	--	--	--	--	--
#1	3020	--	--	--	--	--	--
#2	3039	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611115

Run Time: 03/15/06 23:08:12

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.7823	.01676	.27954	.30611	.00003	229.79	.00072
SDev	.0043	.00072	.00049	.00051	.00001	.24	.00002
%RSD	.24034	4.2919	.17582	.16759	29.376	.10393	2.9456

#1	1.7793	.01625	.27988	.30574	.00003	229.62	.00070
#2	1.7854	.01726	.27919	.30647	.00002	229.96	.00073

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00299	.00717	.08264	12.441	61.326	57.648	.97193
SDev	.00012	.00005	.00038	.004	.158	.098	.00041
%RSD	4.1026	.74115	.46154	.03382	.25750	.17085	.04241

#1	.00290	.00721	.08237	12.444	61.214	57.579	.97164
#2	.00307	.00714	.08291	12.438	61.437	57.718	.97222

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00556	38.260	.00960	.06892	.06926	.06915	.00094
SDev	.00031	.208	.00034	.00066	.00059	.00061	.00137
%RSD	5.4924	.54245	3.5276	.95863	.85097	.88671	146.10

#1	.00535	38.113	.00936	.06845	.06884	.06871	-.00003
#2	.00578	38.406	.00984	.06939	.06968	.06958	.00190

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04093	.00217	.00032	.05885	-.00375	.00502	.16345
SDev	.00176	.00228	.00319	.00014	.00118	.00012	.00046
%RSD	4.2950	105.04	1008.8	.24033	31.454	2.2877	.28146

#1	.04217	.00379	-.00194	.05895	-.00292	.00510	.16313
#2	.03968	.00056	.00257	.05875	-.00458	.00494	.16378

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00206	.00034
SDev	.00015	.00006
%RSD	7.3189	19.051
#1	.00217	.00030
#2	.00196	.00039
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	2953	--	--	--	--	--	--
SDev	16.22807	--	--	--	--	--	--
%RSD	.5496055	--	--	--	--	--	--
#1	2941	--	--	--	--	--	--
#2	2964	--	--	--	--	--	--

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Analysis Report

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Method: TRACE2 Sample Name: AD611116
 Run Time: 03/15/06 23:13:04
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SW

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06354	.00324	.34821	.04023	-.00023	32.599	-.00006
SDev	.00148	.00076	.00080	.00003	.00002	.019	.00003
%RSD	2.3298	23.563	.23024	.06737	10.002	.05945	48.214
#1	.06459	.00270	.34877	.04025	-.00021	32.586	-.00004
#2	.06249	.00378	.34764	.04021	-.00025	32.613	-.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150
Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00037	.00065	.00133	.23059	15.696	5.2599	.00684
SDev	.00007	.00028	.00047	.00307	.024	.0041	.00006
%RSD	18.777	42.845	35.707	1.3303	.14999	.07830	.90923
#1	-.00042	.00046	.00167	.23276	15.713	5.2628	.00688
#2	-.00032	.00085	.00099	.22842	15.680	5.2570	.00679
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300
Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00730	10.910	.00100	-.00077	.00091	.00035	-.00432
SDev	.00019	.011	.00001	.00143	.00000	.00047	.00093
%RSD	2.6742	.10102	1.4079	186.93	.36807	134.82	21.548
#1	.00744	10.902	.00101	-.00178	.00091	.00002	-.00366
#2	.00716	10.918	.00099	.00025	.00091	.00069	-.00498
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000
Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00070	-.00494	-.00402	.00132	-.00210	.00177	.01303
SDev	.00083	.00384	.00052	.00008	.00236	.00026	.00014
%RSD	118.75	77.704	12.999	6.3551	112.50	14.374	1.0854
#1	.00128	-.00223	-.00438	.00138	-.00377	.00195	.01313
#2	.00011	-.00765	-.00365	.00126	-.00043	.00159	.01293
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300
Elem	Sn1899	Ag3280					

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Analysis Report

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Units	ppm	ppm
Avg	.00047	-.00024
SDev	.00049	.00009
%RSD	104.82	38.262

#1	.00012	-.00018
#2	.00082	-.00031

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	3033	--	--	--	--	--	--
SDev	11.61409	--	--	--	--	--	--
%RSD	.3829668	--	--	--	--	--	--
#1	3024	--	--	--	--	--	--
#2	3041	--	--	--	--	--	--

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Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611117

Operator: SW

Run Time: 03/15/06 23:17:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14238	.00128	.02430	.02238	-.00025	34.299	.00005
SDev	.00583	.00038	.00105	.00004	.00000	.009	.00001
%RSD	4.0975	30.114	4.3301	.16257	1.3528	.02488	31.466

#1	.14650	.00155	.02355	.02240	-.00025	34.293	.00004
#2	.13825	.00101	.02504	.02235	-.00024	34.305	.00006

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	.00065	.00374	.13007	1.4559	8.8193	.00264
SDev	.00010	.00026	.00041	.01027	.0178	.0086	.00003
%RSD	59.817	39.627	11.010	7.8986	1.2230	.09700	1.3316

#1	-.00010	.00047	.00403	.13733	1.4685	8.8254	.00262
#2	-.00024	.00083	.00345	.12280	1.4433	8.8133	.00267

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00171	11.639	.00063	.00262	.00007	.00092	-.00181
SDev	.00051	.064	.00020	.00188	.00172	.00053	.00260
%RSD	29.575	.55140	32.478	71.640	2440.4	57.203	143.36

#1	.00207	11.594	.00078	.00394	-.00115	.00055	.00002
#2	.00135	11.684	.00049	.00129	.00129	.00129	-.00365

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00194	.00164	-.00354	.00344	-.00571	.00008	.00521
SDev	.00129	.00614	.00083	.00073	.00110	.00000	.00017
%RSD	66.574	373.64	23.418	21.196	19.193	.30321	3.3621

#1	-.00285	.00599	-.00296	.00293	-.00649	.00008	.00508
#2	-.00103	-.00270	-.00413	.00396	-.00494	.00008	.00533

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	.00167	.00025
SDev	.00039	.00035
%RSD	23.518	139.25

#1	.00140	.00050
#2	.00195	.00000

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3039	--	--	--	--	--	--
SDev	.2121666	--	--	--	--	--	--
%RSD	.0069815	--	--	--	--	--	--
#1	3039	--	--	--	--	--	--
#2	3039	--	--	--	--	--	--

401/419

Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611118

Run Time: 03/15/06 23:22:47

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04155	.00451	.03178	.02530	-.00023	39.306	.00006
SDev	.00171	.00001	.00085	.00004	.00002	.082	.00003
%RSD	4.1256	.30163	2.6850	.15799	7.0765	.20903	50.886

#1	.04277	.00452	.03118	.02533	-.00025	39.248	.00008
#2	.04034	.00450	.03239	.02528	-.00022	39.365	.00004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	.00076	.00497	.13446	1.8896	9.4893	.00366
SDev	.00009	.00019	.00017	.00621	.0120	.0047	.00001
%RSD	38.127	24.680	3.3773	4.6188	.63720	.04960	.17503

#1	-.00031	.00090	.00509	.13007	1.8982	9.4926	.00366
#2	-.00018	.00063	.00485	.13885	1.8811	9.4860	.00365

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03804	44.749	.02609	.00463	.00101	.00222	-.00122
SDev	.00107	.070	.00007	.00117	.00076	.00090	.00391
%RSD	2.8117	.15688	.25749	25.327	75.362	40.526	320.04

#1	.03728	44.699	.02614	.00546	.00155	.00285	-.00398
#2	.03879	44.799	.02604	.00380	.00047	.00158	.00154

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00150	.00417	-.00391	.00033	-.00407	.00039	.02398
SDev	.00173	.00473	.00350	.00001	.00080	.00025	.00007
%RSD	115.65	113.50	89.295	2.1181	19.730	64.106	.30531

#1	.00272	.00082	-.00639	.00032	-.00350	.00021	.02393
#2	.00027	.00751	-.00144	.00033	-.00464	.00056	.02403

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	-.00031	.00032
SDev	.00037	.00003
%RSD	120.05	9.9039

#1	-.00005	.00034
#2	-.00058	.00030

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3058	--	--	--	--	--	--
SDev	9.015612	--	--	--	--	--	--
%RSD	.2948591	--	--	--	--	--	--
#1	3064	--	--	--	--	--	--
#2	3051	--	--	--	--	--	--

403/419

Analysis Report

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page 1

Method: TRACE2 Sample Name: AD611119

Operator: SW

Run Time: 03/15/06 23:27:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03252	.00456	.03024	.02171	-.00021	34.198	-.00002
SDev	.00474	.00143	.00174	.00015	.00001	.033	.00010
%RSD	14.569	31.393	5.7487	.68730	6.6112	.09695	559.85

#1	.03587	.00557	.03147	.02181	-.00020	34.221	-.00009
#2	.02917	.00355	.02901	.02160	-.00022	34.175	.00005

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.00	30.000	50.000	10.000	5.0000	600.00	25.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.00087	.00340	.09338	1.6724	8.3425	.00211
SDev	.00043	.00032	.00012	.00149	.0028	.0000	.00014
%RSD	349.92	37.197	3.4388	1.5950	.16712	.00013	6.7488

#1	.00018	.00110	.00349	.09233	1.6705	8.3425	.00221
#2	-.00042	.00064	.00332	.09444	1.6744	8.3425	.00201

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	400.00	800.00	15.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03619	23.630	.02520	.00251	.00096	.00147	-.00084
SDev	.00051	.048	.00008	.00268	.00040	.00063	.00106
%RSD	1.4211	.20333	.31440	106.83	41.216	42.677	127.05

#1	.03583	23.664	.02515	.00061	.00124	.00103	-.00159
#2	.03656	23.596	.02526	.00440	.00068	.00192	-.00008

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	800.00	25.000			60.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00060	.00391	-.00321	.00007	-.00268	-.00002	.00367
SDev	.00154	.00149	.00085	.00019	.00139	.00017	.00009
%RSD	254.14	38.136	26.429	259.93	51.933	1050.4	2.3934

#1	-.00048	.00285	-.00381	.00021	-.00170	.00010	.00374
#2	.00169	.00496	-.00261	-.00006	-.00366	-.00013	.00361

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	40.000	50.000	14.000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
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Analysis Report

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Units	ppm	ppm
Avge	-.00072	.00009
SDev	.00220	.00067
%RSD	303.10	729.02

#1	.00083	.00057
#2	-.00228	-.00038

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3017	--	--	--	--	--	--
SDev	.3711620	--	--	--	--	--	--
%RSD	.0123024	--	--	--	--	--	--
#1	3017	--	--	--	--	--	--
#2	3017	--	--	--	--	--	--

405/419

Analysis Report

QC Standard

03/15/06 11:38:39 PM

page 1

Method: TRACE2 Sample Name: CCV

Run Time: 03/15/06 23:33:51

Operator: SW

Comment:

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.828	.51094	.49804	.52051	.50470	26.095	.50097
SDev	.045	.00263	.00206	.00036	.00021	.020	.00020
%RSD	.17413	.51516	.41285	.06854	.04160	.07660	.04080

#1	25.796	.50908	.49658	.52026	.50455	26.081	.50082
#2	25.860	.51280	.49949	.52077	.50485	26.110	.50111

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49802	.49678	.52904	24.962	25.984	25.689	.50577
SDev	.00016	.00027	.00057	.026	.048	.003	.00002
%RSD	.03131	.05483	.10762	.10470	.18625	.01336	.00332

#1	.49791	.49659	.52864	24.944	25.950	25.692	.50578
#2	.49813	.49697	.52944	24.981	26.019	25.687	.50576

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51163	26.108	.51557	.50146	.51100	.50782	.51509
SDev	.00242	.048	.00064	.00127	.00191	.00085	.00204
%RSD	.47272	.18363	.12448	.25336	.37332	.16724	.39522

#1	.50992	26.074	.51511	.50236	.50965	.50722	.51365
#2	.51334	26.142	.51602	.50056	.51235	.50842	.51653

Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52539	.51116	.51706	.53148	.52518	.50546	.50535
SDev	.00083	.00458	.00076	.00015	.00680	.00077	.00011
%RSD	.15873	.89542	.14798	.02811	1.2941	.15260	.02068

#1	.52598	.50792	.51652	.53137	.52038	.50492	.50543
#2	.52480	.51440	.51760	.53158	.52999	.50601	.50528

Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem Sn1899 Ag3280

406/419

Analysis Report QC Standard 03/15/06 11:38:39 PM page 2

Units	ppm	ppm
Avge	.51162	.50452
SDev	.00241	.00078
%RSD	.47153	.15481

#1	.50991	.50396
#2	.51332	.50507

Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3072	--	--	--	--	--	--
SDev	2.227490	--	--	--	--	--	--
%RSD	.0725006	--	--	--	--	--	--
#1	3071	--	--	--	--	--	--
#2	3074	--	--	--	--	--	--

407/419

Analysis Report Blank Sample 03/15/06 11:43:31 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
 Run Time: 03/15/06 23:38:43
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00730	.00101	.00215	-.00000	-.00016	.00102	.00005
SDev	.00023	.00130	.00022	.00006	.00001	.00017	.00022
%RSD	3.1315	128.47	10.127	1468.6	4.8734	16.340	484.36

#1	.00746	.00009	.00230	.00004	-.00015	.00091	-.00011
#2	.00714	.00194	.00199	-.00005	-.00016	.00114	.00020

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	.00035	-.00101	.00775	-.00234	.00295	.00018
SDev	.00037	.00005	.00028	.00297	.02014	.00425	.00002
%RSD	331.54	15.205	28.072	38.328	859.29	143.94	10.253

#1	-.00015	.00039	-.00120	.00985	.01190	.00595	.00019
#2	.00037	.00031	-.00081	.00565	-.01659	-.00005	.00017

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00142	-.00144	-.00005	.00122	.00092	.00102	-.00157
SDev	.00068	.02529	.00038	.00058	.00122	.00062	.00129
%RSD	48.059	1759.2	715.19	47.288	132.33	60.755	81.966

#1	.00190	-.01932	-.00032	.00081	.00178	.00146	-.00248
#2	.00094	.01645	.00022	.00163	.00006	.00058	-.00066

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00141	.00026	-.00248	.00015	-.00287	.00015	-.00059
SDev	.00109	.00106	.00246	.00014	.00018	.00025	.00027
%RSD	77.268	408.83	99.108	93.370	6.3732	168.61	45.501

#1	.00064	.00101	-.00422	.00024	-.00300	.00033	-.00078
#2	.00218	-.00049	-.00074	.00005	-.00274	-.00003	-.00040

Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280
------	--------	--------

page 2

Blank Sample

03/15/06 11:43:31 PM

page 2

Units	ppm	ppm
Ave	-.00098	-.00008
SDev	.00060	.00018
%RSD	61.241	223.22

```
#1      -.00055      .00005
#2      -.00140      -.00020
```

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3005	--	--	--	--	--	--
SDev	7.000461	--	--	--	--	--	--
%RSD	.2329643	--	--	--	--	--	--
#1	3000	--	--	--	--	--	--
#2	3010	--	--	--	--	--	--

TL Buffalo
ate: 03/14/2006
ime: 10:04:26

METALS DIGESTION LOG
A6B15136 - 03/14/06 MC/SW TOTAL 30
AQUEOUS

Page: 1
Rept: AN0764

Date	Time	Dig Emp	Jobno	Sample ID	Bot ID	Sample Type	Digest ID	VI	Analysis Type	Initial VI (ml)	Final (ml)	Color Before/After	Clarity Before/After	Textur
03/14/06	08:00	MM	A06-2581	A6258101	A	FS	AD611109	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2581	A6258102	A	FS	AD611110	A	TM	50.00	50.00	BROWN	CLOUDY	PBEC/C
03/14/06	08:00	MM	A06-2581	A6258102FD	A	FD	AD611111	A	TM	50.00	50.00	YELLOW	CLOUDY	PBEC/C
03/14/06	08:00	MM	A06-2581	A6258102MS	A	MS	AD611112	A	TM	50.00	50.00	BROWN	CLOUDY	PBEC/C
03/14/06	08:00	MM	A06-2581	A6258102SD	A	SD	AD611113	A	TM	50.00	50.00	YELLOW	CLOUDY	PBEC/C
03/14/06	08:00	MM	A06-2581	A6258103	A	FS	AD611114	A	TM	50.00	50.00	BROWN	CLOUDY	PBEC/C
03/14/06	08:00	MM	A06-2581	A6258104	A	FS	AD611115	A	TM	50.00	50.00	BROWN	CLOUDY	PBEC/C
03/14/06	08:00	MM	A06-2581	A6258105	A	FS	AD611116	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2589	A6259901	A	FS	AD611117	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2599	A6259902	A	FS	AD611118	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2599	A6259903	A	FS	AD611119	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2599	A6259904	A	FS	AD611120	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2599	A6259905	A	FS	AD611121	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2605	A6260501	A	FS	AD611122	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2605	A6260502	A	FS	AD611123	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2605	A6260503	A	FS	AD611124	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2605	A6260504	A	FS	AD611125	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A06-2606	A6260601	A	FS	AD611126	A	TM	50.00	50.00	BROWN	CLOUDY	NONE
03/14/06	08:00	MM	A6B1513601	A6B1513601	A	ILFB	AD611127	A	TM	50.00	50.00	COLORIES	CLEAR	NONE
03/14/06	08:00	MM	A6B1513602	A6B1513602	A	MLK	AD611128	A	TM	50.00	50.00	COLORIES	CLEAR	NONE

Comments: EPPENDORF'S USED IN PARENTHESIS:
(MDL3) .250ml SN 1853714

(MDL3) .250ml SN 1853714
QUALITY CONTROL ADDITIVES:

QUANTAL CONTROL ADDITIVES:		SPRITES ADDED / EFFENDORF (*)		USED FOR SPTKING	
A- 1	- W1	01-MOL-03	(MOL3)	.25 ml	PER 50ML FIN VOL
2	- W2	01-MOL-02	(MOL3)	.25 ml	PER 50ML FIN VOL
3	- A	MSL0212	(MOL3)	.25 ml	PER 50ML FIN VOL
4	- Sg	MSL0214	(MOL3)	.25 ml	PER 50ML FIN VOL

Color:	Black	Gray	Red	Yellow
	Blue	Green	Violet	Colorless
	Brown	Orange	White	

Clarity:

clear

cloudy

opaque

Texture:

Fine (powdery)
Medium (sand)
Coarse (large crystals)

* Redigestion

409/419

TL Buffalo
ate: 03/14/2006
ime: 10:04:26

METALS DIGESTION LOG
A6B15136 - 03/14/06 MC/SW TOTAL 3005 (Closed)
AQUEOUS

Page: 2
Rept: AN0764

Date	Time	Dig Emp	Jobno	Sample ID	Bot ID	Sample Type	Digest ID	Vl	Analysis Type	Initial Vl (ml)	Final (ml)	Color Before/After	Clarity Before/After	Textur
				CONC. NITRIC ACID	=	03-MDL-16								
				CONC. Hcl ACID	=	03-MDL-02								
				HOT BLOCK TEMPERATURE	=	123								
				SAMPLE TEMPERATURE	=	97								
				BAUCH ENDED	=	03/14/2006								
				DIGESTIVE CUP LOT	=	A509LS114								

Color: Black Gray Red Yellow
Blue Green Violet Colorless
Brown Orange White
* Redigestion

Clarity: Clear
Cloudy
Opaque

Texture: Fine (powdery)
Medium (sand)
Coarse (large crystals or rocks)

410/419

L Buffalo
te: 03/13/2006
ne: 07:56:45

METALS DIGESTION LOG
A6B15110 - 3/13/2006 NON-CLP WATER Hg W1 (Closed)
AQUEOUS

Page: 1
Rept: AN0764

Date	Time	Dig Emp	Jobno	Sample ID	Bot ID	Sample Type	Digest ID	Vl	Analysis Type	Initial Vl (ml)	Final (ml)	Color Before/After	Clarity Before/After	Textur
3/13/06	08:00	LH	A06-2559	A6255901	A	FS	AD610882	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2570	A6257001	A	FS	AD610883	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2575	A6257501	A	FS	AD610884	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2575	A6257502	A	FS	AD610885	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2571	A6257101	A	FS	AD610886	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2593	A6259301	A	FS	AD610887	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2593	A6259302	A	FS	AD610888	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2593	A6259303	A	FS	AD610889	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2593	A6259304	A	FS	AD610890	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2593	A6259305	A	FS	AD610891	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2593	A6259306	A	FS	AD610892	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2581	A6258101	A	FS	AD610893	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2581	A6258102	A	FS	AD610894	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2581	A6258102FD	A	FD	AD610895	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2581	A6258102MS	A	MS	AD610896	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2581	A6258102SD	A	SD	AD610897	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2581	A6258103	A	FS	AD610898	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2581	A6258104	A	FS	AD610899	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2581	A6258105	A	FS	AD610900	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2595	A6259501	A	FS	AD610901	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2595	A6259502	A	FS	AD610902	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH	A06-2595	A6259503	A	FS	AD610903	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH		A6B1511001	A	LCS	AD610904	A	MERCURY	30.00	50.00			
3/13/06	08:00	LH		A6B1511002	A	MBLK	AD610905	A	MERCURY	30.00	50.00			

Comments: EPPENDORF USED TO ADD SPIKES:
HGL-5 2ml; HGL-4 1mL
EPPENDORFS USED TO DISPENSE SET VOLUMES:
HGL-1 .1mL HGL-4 1mL

Color: Black Gray Red Yellow
Blue Green Violet Colorless
Brown Orange White
Redigestion

Clarity: Clear
Cloudy
Opaque

Texture: Fine (powdery)
Medium (sand)
Coarse (large crystals or rocks)

411/419

L. Buffalo
Tel: 03/13/2006
Tel: 07:56:45

METALS DIGESTION LOG
A6B15110 - 3/13/2006 NON-CLP WATER Hg W1 (Closed)
AQUEOUS

Page: 2
Rept: AN0764

Date	Time	Dig Bmp	Jobno	Sample ID	Bot Sample ID Type	Digest ID	Analysis Type	Initial V1 (mL)	Final (mL)	Color Before/After	Clarity Before/After	Textur
------	------	------------	-------	-----------	-----------------------	--------------	------------------	--------------------	---------------	-----------------------	-------------------------	--------

HGL-2 .2mL
HGL-3 .5mL
HGL-6 5mL

MERCURY BATCH ADDITIONS

- 1.) HgICS (W) 1-HGL-17
- 2.) Potassium Persulfate 3-128-R
- 3.) Potassium Permanganate 3-074-Q
- 4.) Stannous Chloride 3-100-U
- 5.) Hydroxylamine Hydrochloride 3-092-S
- 6.) HgICS (S) 7-HGL-1

CONC. NITRIC ACID - J.T. BAKER LOT# B16037

CONC. HCL ACID - MALLINCKRODT LOT# A51A00

CONC. SULFURIC ACID - MALLINCKRODT LOT# 5557 B05H10

HOT BLOCK TEMP FROM DESIGNATED CELL: (95) °C

TEMP CRITERIA: 95 (+/-) 3 DEG C

DIGESTION CUPS ENVIRONMENTAL EXPRESS LOT# A506LP024

412/419

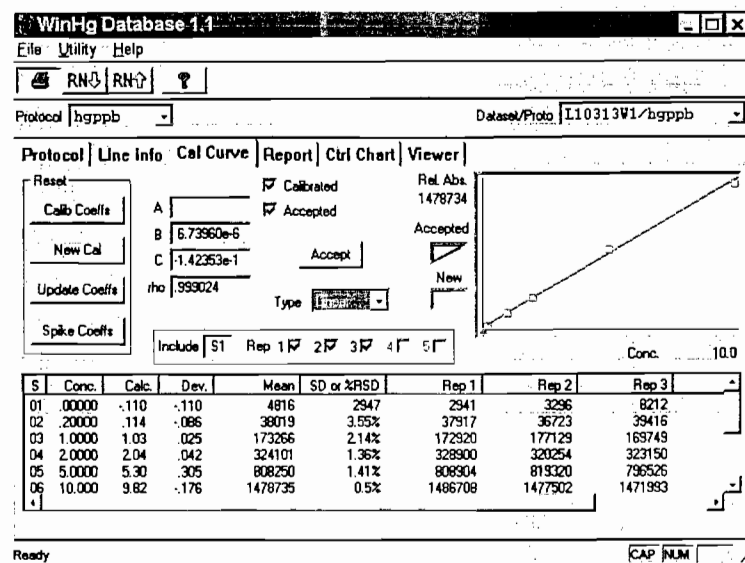
Texture: Fine (powdery)
Medium (sand)
Coarse (large crystals or rocks)

Clarity: Clear
Cloudy
Opaque

Color: Black
Blue
Brown
Orange
Gray
Green
Red
Violet
White
Yellow
Colorless

Redigestion

413/419



CH

3-189-K
-E
-F
-G
-H
-I

Folder: L10313w1
Protocol: hgppb
POST-RUN REPORT

POST-RUN REPORT

	1	2
D		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
------	-------	-------	--------	---	---	---	---	---

Hg	-.128	ppb	.000	-.128
----	-------	-----	------	-------

Folder: L10313w1
Protocol: hgppb
POST-RUN REPORT

POST-RUN REPORT

SD	1	2
----	---	---

Line	Conc.	Units	SD/RSD	1	2	3	4	5
------	-------	-------	--------	---	---	---	---	---

Hg	.022	ppb	.000	.022
----	------	-----	------	------

Folder: L10313W1
Protocol: hgppb
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: AD610900 Seq: 33 12:43:04 13 Mar 06 HG								
Hg	-.137	ppb	.000	-.137				
*** Check Standard: 3 Ck3CCV Seq: 34 12:44:12 13 Mar 06 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		109.	2.18	2.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB Seq: 35 12:45:28 13 Mar 06 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.146	.200	ppb	.000			
*** Sample ID: AD610901 Seq: 36 12:46:35 13 Mar 06 HG								
Hg	-.131	ppb	.000	-.131				
*** Sample ID: AD610902 Seq: 37 12:47:55 13 Mar 06 HG								
Hg	-.118	ppb	.000	-.118				
*** Sample ID: AD610903 Seq: 38 12:49:03 13 Mar 06 HG								
Hg	-.144	ppb	.000	-.144				
*** Sample ID: AD610904 Seq: 39 12:50:19 13 Mar 06 HG								
SPIKED								
Hg	2.17	ppb	.000	2.17				
*** %Rec. ID: AD610904 Seq: 40 12:50:19 13 Mar 06 HG								
	Spike		Spikes =1	Unspiked =0				
Hg	2.00	ppb	%Rcv. 108.	Avg(U) .000	SD(U) .000	Avg(S) 2.17	SD(S) .000	
*** Sample ID: AD610905 Seq: 41 12:51:27 13 Mar 06 HG								
Hg	-.183	ppb	.000	-.183				
*** Sample ID: AD610906 Seq: 42 12:52:44 13 Mar 06 HG								
Hg	-.121	ppb	.000	-.121				
*** Sample ID: AD610907 Seq: 43 12:53:53 13 Mar 06 HG								
Hg	-.130	ppb	.000	-.130				
*** Sample ID: AD610907L Seq: 44 12:55:02 13 Mar 06 HG								
Hg	-.116	ppb	.000	-.116				
*** Sample ID: AD610908 Seq: 45 12:56:24 13 Mar 06 HG								
Hg	4.32	ppb	.000	4.32				

Folder: L10313W1
Protocol: hgppb
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: AD610909 Seq: 46 12:57:32 13 Mar 06 HG								
Hg	4.37	ppb	.000	4.37				
*** Check Standard: 3 Ck3CCV Seq: 47 12:58:50 13 Mar 06 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		106.	2.12	2.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB Seq: 48 12:59:58 13 Mar 06 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.192	.200	ppb	.000			
*** Sample ID: AD610910 Seq: 49 13:01:08 13 Mar 06 HG								
Hg	-.104	ppb	.000	-.104				
*** Sample ID: AD610911 Seq: 50 13:02:16 13 Mar 06 HG								
Hg	-.169	ppb	.000	-.169				
*** Sample ID: AD610912 Seq: 51 13:03:46 13 Mar 06 HG								
Hg	-.130	ppb	.000	-.130				
*** Sample ID: AD610913 Seq: 52 13:05:13 13 Mar 06 HG								
Hg	-.103	ppb	.000	-.103				
*** Sample ID: AD610914 Seq: 53 13:06:18 13 Mar 06 HG								
Hg	-.155	ppb	.000	-.155				
*** Sample ID: AD610915 Seq: 54 13:07:23 13 Mar 06 HG								
Hg	-.128	ppb	.000	-.128				
*** Sample ID: AD610916 Seq: 55 13:08:32 13 Mar 06 HG								
Hg	-.117	ppb	.000	-.117				
*** Sample ID: AD610917 Seq: 56 13:10:10 13 Mar 06 HG								
Hg	-.100	ppb	.000	-.100				
*** Sample ID: AD610918 Seq: 57 13:11:30 13 Mar 06 HG								
Hg	-.123	ppb	.000	-.123				
*** Sample ID: AD610919 Seq: 58 13:12:46 13 Mar 06 HG								
Hg	-.097	ppb	.000	-.097				

Folder: L10313W1
Protocol: hgppb

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 3 Ck3CCV Seq: 59 13:14:02 13 Mar 06 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		106.	2.13	2.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB Seq: 60 13:15:13 13 Mar 06 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.160	.200	ppb	.000			
*** Sample ID: AD610920 Seq: 61 13:16:21 13 Mar 06 HG								
Hg		-.107	ppb	.000	-.107			
*** Sample ID: AD610921 Seq: 62 13:17:28 13 Mar 06 HG								
Hg		-.089	ppb	.000	-.089			
*** Sample ID: AD610922 Seq: 63 13:18:54 13 Mar 06 HG								
Hg		-.124	ppb	.000	-.124			
*** Sample ID: AD610923 Seq: 64 13:20:11 13 Mar 06 HG								
Hg		-.124	ppb	.000	-.124			
*** Sample ID: AD610924 Seq: 65 13:21:18 13 Mar 06 HG								
Hg		-.112	ppb	.000	-.112			
*** Sample ID: AD610925 Seq: 66 13:22:36 13 Mar 06 HG								
Hg		-.112	ppb	.000	-.112			
*** Sample ID: AD610926 Seq: 67 13:23:42 13 Mar 06 HG								
Hg		-.101	ppb	.000	-.101			
*** Sample ID: AD610928 Seq: 68 13:24:47 13 Mar 06 HG								
SPIKED								
Hg		2.13	ppb	.000	2.13			
*** %Rec. ID: AD610928 Seq: 69 13:24:47 13 Mar 06 HG								
Spikes =1 Unspiked =0								
Hg	Spike	%Rcv.	Avg(U)	SD(U)	Avg(S)	SD(S)		
	2.00	106.	.000	.000	2.13	.000		
*** Sample ID: AD610929 Seq: 70 13:25:56 13 Mar 06 HG								
Hg		-.159	ppb	.000	-.159			
*** Check Standard: 3 Ck3CCV Seq: 71 13:27:03 13 Mar 06 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		106.	2.13	2.00	ppb	.000		

Folder: L10313W1
Protocol: hgppb

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 1 Ck1ICB/CCB Seq: 73 13:49:22 13 Mar 06 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.107	.200	ppb	.000			

1/32



STL

STL Buffalo

10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A06-6765

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

Task: Buffalo Outer Harbor

Reviewed and
Approved for use
By: [Signature]

DATE: 3410050323
Hlo - Buffalo Outer Harbor
FM/CCC
WDB

Mr. John Scrabis
MACTEC Engineering&Consulting
700 North Bell Ave. Ste. 200
Pittsburgh, PA 15106

STL Buffalo

[Signature]
Brian J. Fischer
Project Manager

06/27/2006

STL Buffalo Current Certifications

As of 4/10//2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA, ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			DATE	TIME	DATE	TIME
A6676506	GW-18R-0606	WATER	06/13/2006	13:15	06/14/2006	09:30
A6676501	GW-19-0606	WATER	06/13/2006	11:55	06/14/2006	09:30
A6676501MS	GW-19-0606	WATER	06/13/2006	11:55	06/14/2006	09:30
A6676501SD	GW-19-0606	WATER	06/13/2006	11:55	06/14/2006	09:30
A6676502	GW-19D-0606	WATER	06/13/2006	11:55	06/14/2006	09:30
A6676505	GW-21-0606	WATER	06/13/2006	13:10	06/14/2006	09:30
A6676504	GW-22-0606	WATER	06/13/2006	12:50	06/14/2006	09:30
A6676503	GW-23-0606	WATER	06/13/2006	13:30	06/14/2006	09:30

METHODS SUMMARY

Job#: A06-6765

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

PARAMETER	ANALYTICAL METHOD
METHOD 8270 - NITROBENZENE	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A06-6765

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-6765

Sample Cooler(s) were received at the following temperature(s); 2 @ 2.8 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The recoveries of sample GW-19-0606 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Aluminum (ms), Iron (ms), Magnesium (msd) and Manganese (ms). Sample matrix is suspect. However, the LFB (A6B2111801) was acceptable.

The recoveries of sample GW-19-0606 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Calcium and Potassium (ms) and below the quality control limits for Potassium (msd) and Sodium (msd). The sample result is more than four times greater than the spike added. The RPD of sample GW-19-0606 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Calcium, Potassium and Sodium. The LFB (A6B2111801) is acceptable.

The value obtained for Mercury on samples GW-19-0606 and GW-19D-0606 were inconsistent with historical trends. Reanalysis was performed and the values were confirmed. Only the results from the original analyses are provided in this data package.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- ! Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Date: 06/27/2006
Time: 10:02:49

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
METHOD 8270 - NITROBENZENE

Rept: AN0326

Client ID	Lab ID	GW-18R-0606 A06-6765 06/13/2006	A6676506	GW-19-0606 A06-6765 06/13/2006	A6676501	GW-19D-0606 A06-6765 06/13/2006	A6676502	GW-21-0606 A06-6765 06/13/2006	A6676505
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	ND	10	ND	10	ND	10
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	100	50-200	106	50-200	98	50-200	97	50-200
Naphthalene-D8	%	101	50-200	106	50-200	98	50-200	97	50-200
Acenaphthene-D10	%	99	50-200	104	50-200	97	50-200	97	50-200
Phenanthrene-D10	%	112	50-200	117	50-200	108	50-200	108	50-200
Chrysene-D12	%	106	50-200	112	50-200	101	50-200	102	50-200
Perylene-D12	%	101	50-200	107	50-200	99	50-200	98	50-200
Nitrobenzene-D5	%	78	46-120	76	46-120	78	46-120	79	46-120
2-Fluorobiphenyl	%	80	44-120	77	44-120	82	44-120	81	44-120
p-Terphenyl-d14	%	64	23-143	76	23-143	82	23-143	68	23-143

Client ID	Lab ID	GW-22-0606 A06-6765 06/13/2006	A6676504	GW-23-0606 A06-6765 06/13/2006	A6676503				
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	ND	9	NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	105	50-200	98	50-200	NA		NA	
Naphthalene-D8	%	107	50-200	98	50-200	NA		NA	
Acenaphthene-D10	%	106	50-200	98	50-200	NA		NA	
Phenanthrene-D10	%	119	50-200	110	50-200	NA		NA	
Chrysene-D12	%	116	50-200	106	50-200	NA		NA	
Perylene-D12	%	108	50-200	100	50-200	NA		NA	
Nitrobenzene-D5	%	76	46-120	80	46-120	NA		NA	
2-Fluorobiphenyl	%	76	44-120	83	44-120	NA		NA	
p-Terphenyl-d14	%	56	23-143	68	23-143	NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

8/32

Date: 06/27/2006
Time: 10:02:56

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
MACTEC - TAL METALS (23) SWB463-6010/7470 - W

Rept: AN0326

Client ID	Lab ID	GW-18R-C606 A06-6765 06/13/2006	A6676506	GW-19-0606 A06-6765 06/13/2006	A6676501	GW-19D-0606 A06-6765 06/13/2006	A6676502	GW-21-0606 A06-6765 06/13/2006	A6676505
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	15.1	0.20	7.4	0.20	8.6	0.20	ND	0.20
Antimony - Total	MG/L	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Arsenic - Total	MG/L	0.038	0.010	0.026	0.010	0.025	0.010	ND	0.010
Barium - Total	MG/L	0.22	0.0020	0.073	0.0020	0.077	0.0020	0.033	0.0020
Beryllium - Total	MG/L	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Cadmium - Total	MG/L	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Calcium - Total	MG/L	294	0.50	52.7	0.50	53.4	0.50	29.6	0.50
Chromium - Total	MG/L	0.026	0.0040	0.089	0.0040	0.086	0.0040	ND	0.0040
Cobalt - Total	MG/L	0.0087	0.0040	ND	0.0040	ND	0.0040	ND	0.0040
Copper - Total	MG/L	0.035	0.010	0.028	0.010	0.030	0.010	ND	0.010
Iron - Total	MG/L	24.4	0.050	6.9	0.050	8.5	0.050	0.48	0.050
Lead - Total	MG/L	0.11	0.0050	0.080	0.0050	0.079	0.0050	ND	0.0050
Magnesium - Total	MG/L	54.9	0.20	4.5	0.20	4.7	0.20	6.6	0.20
Manganese - Total	MG/L	1.4	0.0030	0.20	0.0030	0.20	0.0030	0.011	0.0030
Mercury - Total	MG/L	ND	0.00020	0.00086	0.00020	0.00086	0.00020	ND	0.00020
Nickel - Total	MG/L	0.022	0.010	0.016	0.010	0.018	0.010	ND	0.010
Potassium - Total	MG/L	26.8	0.50	514	0.50	517	0.50	16.9	0.50
Selenium - Total	MG/L	ND	0.015	0.015	0.015	0.015	0.015	ND	0.015
Silver - Total	MG/L	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030
Sodium - Total	MG/L	19.8	1.0	46.1	1.0	45.4	1.0	11.2	1.0
Thallium - Total	MG/L	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Vanadium - Total	MG/L	0.032	0.0050	0.055	0.0050	0.056	0.0050	ND	0.0050
Zinc - Total	MG/L	0.41	0.010	0.10	0.010	0.11	0.010	0.018	0.010

NA = Not Applicable ND = Not Detected

STL Buffalo

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Date: 06/27/2006
Time: 10:02:56

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level 11 reporting)
MACTEC - TAL METALS (23) SW8463-6010/7470 - W

Rept: AN0326

Client ID		Lab ID		GW-22-0606		GW-23-0606			
Job No				A06-6765		A06-6765			
Sample Date				06/13/2006		06/13/2006			
				A6676504		A6676503			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	7.3	0.20	1.3	0.20	NA		NA	
Antimony - Total	MG/L	ND	0.020	0.044	0.020	NA		NA	
Arsenic - Total	MG/L	ND	0.010	0.048	0.010	NA		NA	
Barium - Total	MG/L	0.24	0.0020	0.36	0.0020	NA		NA	
Beryllium - Total	MG/L	ND	0.0020	ND	0.0020	NA		NA	
Cadmium - Total	MG/L	ND	0.0010	ND	0.0010	NA		NA	
Calcium - Total	MG/L	269	0.50	236	0.50	NA		NA	
Chromium - Total	MG/L	0.014	0.0040	0.0042	0.0040	NA		NA	
Cobalt - Total	MG/L	0.0051	0.0040	ND	0.0040	NA		NA	
Copper - Total	MG/L	0.042	0.010	0.048	0.010	NA		NA	
Iron - Total	MG/L	17.2	0.050	17.8	0.050	NA		NA	
Lead - Total	MG/L	0.14	0.0050	0.039	0.0050	NA		NA	
Magnesium - Total	MG/L	76.7	0.20	34.6	0.20	NA		NA	
Manganese - Total	MG/L	1.0	0.0030	0.64	0.0030	NA		NA	
Mercury - Total	MG/L	ND	0.00020	ND	0.00020	NA		NA	
Nickel - Total	MG/L	0.015	0.010	0.025	0.010	NA		NA	
Potassium - Total	MG/L	36.4	0.50	88.0	0.50	NA		NA	
Selenium - Total	MG/L	ND	0.015	ND	0.015	NA		NA	
Silver - Total	MG/L	ND	0.0030	ND	0.0030	NA		NA	
Sodium - Total	MG/L	51.0	1.0	33.9	1.0	NA		NA	
Thallium - Total	MG/L	ND	0.020	ND	0.020	NA		NA	
Vanadium - Total	MG/L	0.014	0.0050	0.0052	0.0050	NA		NA	
Zinc - Total	MG/L	0.14	0.010	0.058	0.010	NA		NA	

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NA = Not Applicable ND = Not Detected

STL Buffalo

Batch Quality Control Data

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Lab Sample ID: A6676501

A6676501MS

A6676501SD

Analyte	Units of Measure	Sample	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
			Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
MACTEC - TAL METALS (23) SW8463-6010/747												
TOTAL ALUMINUM	MG/L	7.35	21.30	19.18	10.0	10.0	139 *	118	129	16	20.0	75-125
TOTAL ANTIMONY	MG/L	0.00260	0.201	0.201	0.200	0.200	99	99	99	0	20.0	75-125
TOTAL ARSENIC	MG/L	0.0256	0.232	0.227	0.200	0.200	104	101	103	3	20.0	75-125
TOTAL BARIUM	MG/L	0.0729	0.292	0.284	0.200	0.200	110	106	108	4	20.0	75-125
TOTAL BERYLLIUM	MG/L	0.00040	0.201	0.198	0.200	0.200	100	99	100	1	20.0	75-125
TOTAL CADMIUM	MG/L	0.00010	0.203	0.202	0.200	0.200	102	101	102	1	20.0	75-125
TOTAL CALCIUM	MG/L	52.69	70.33	70.33	10.0	10.0	143 *	176 *	160	21 *	20.0	75-125
TOTAL CHROMIUM	MG/L	0.0894	0.307	0.278	0.200	0.200	109	94	102	15	20.0	75-125
TOTAL COBALT	MG/L	0.00310	0.203	0.200	0.200	0.200	100	99	100	1	20.0	75-125
TOTAL COPPER	MG/L	0.0285	0.251	0.244	0.200	0.200	111	108	110	3	20.0	75-125
TOTAL IRON	MG/L	6.90	21.30	19.25	10.0	10.0	144 *	124	134	15	20.0	75-125
TOTAL LEAD	MG/L	0.0802	0.298	0.276	0.200	0.200	109	98	104	11	20.0	75-125
TOTAL MAGNESIUM	MG/L	4.54	16.25	17.19	10.0	10.0	117	126 *	122	7	20.0	75-125
TOTAL MANGANESE	MG/L	0.201	0.459	0.437	0.200	0.200	129 *	118	124	9	20.0	75-125
TOTAL NICKEL	MG/L	0.0164	0.225	0.219	0.200	0.200	105	101	103	4	20.0	75-125
TOTAL POTASSIUM	MG/L	514.1	536.2	497.7	10.0	10.0	221 *	163 *	29	1320 *	20.0	75-125
TOTAL SELENIUM	MG/L	0.0154	0.217	0.211	0.200	0.200	101	98	100	3	20.0	75-125
TOTAL SILVER	MG/L	0	0.0512	0.0511	0.0500	0.0500	102	102	102	0	20.0	75-125
TOTAL SODIUM	MG/L	46.08	57.68	52.72	10.0	10.0	116	66 *	91	55 *	20.0	75-125
TOTAL THALLIUM	MG/L	0.00290	0.200	0.199	0.200	0.200	99	98	99	1	20.0	75-125
TOTAL VANADIUM	MG/L	0.0552	0.261	0.250	0.200	0.200	103	98	101	5	20.0	75-125
TOTAL ZINC	MG/L	0.104	0.349	0.315	0.200	0.200	122	106	114	14	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

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Chronology and QC
Summary Package

13/32

Date: 06/27/2006
Time: 10:03:07

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
METHOD 8270 - NITROBENZENE

Rept: AN0326

Client ID	Lab ID	SBLK							
Job No		A06-6765	A682105602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	ug/L	ND	10	NA		NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	100	50-200	NA		NA		NA	
Naphthalene-D8	%	101	50-200	NA		NA		NA	
Acenaphthene-D10	%	100	50-200	NA		NA		NA	
Phenanthrene-D10	%	108	50-200	NA		NA		NA	
Chrysene-D12	%	98	50-200	NA		NA		NA	
Perylene-D12	%	100	50-200	NA		NA		NA	
Nitrobenzene-D5	%	82	46-120	NA		NA		NA	
2-Fluorobiphenyl	%	83	44-120	NA		NA		NA	
p-Terphenyl-c14	%	89	23-143	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

14/32

Date: 06/27/2006
Time: 10:03:07

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
METHOD 8270 - NITROBENZENE

Rept: AN0326

Client ID	Lab ID	GW-19-0606		GW-19-0606		Matrix Spike Blank			
Job No		A06-6765	A6676501MS	A06-6765	A6676501SD	A06-6765	A682105601		
Sample Date		06/13/2006		06/13/2006					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	ug/L	75	10	81	10	87	10	NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	92	50-200	98	50-200	97	50-200	NA	
Naphthalene-D8	%	95	50-200	100	50-200	100	50-200	NA	
Acenaphthene-D10	%	96	50-200	101	50-200	100	50-200	NA	
Phenanthrene-D10	%	106	50-200	113	50-200	112	50-200	NA	
Chrysene-D12	%	102	50-200	106	50-200	105	50-200	NA	
Perylene-D12	%	94	50-200	99	50-200	98	50-200	NA	
Nitrobenzene-D5	%	75	46-120	80	46-120	82	46-120	NA	
2-Fluorobiphenyl	%	77	44-120	84	44-120	87	44-120	NA	
p-Terphenyl-d14	%	76	23-143	84	23-143	91	23-143	NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

15/32

Date: 06/27/2006
Time: 10:03:15

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
MACTEC - TAL METALS (23) SW8463-6010/7470 - W

Rept: AN0326

Client ID Job No Sample Date		Lab ID		Method Blank A06-6765 A6B2108702		Method Blank A06-6765 A6B2111802			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	NA		ND	0.20	NA		NA	
Magnesium - Total	MG/L	NA		ND	0.20	NA		NA	
Arsenic - Total	MG/L	NA		ND	0.010	NA		NA	
Chromium - Total	MG/L	NA		ND	0.0040	NA		NA	
Copper - Total	MG/L	NA		ND	0.010	NA		NA	
Nickel - Total	MG/L	NA		ND	0.010	NA		NA	
Lead - Total	MG/L	NA		ND	0.0050	NA		NA	
Zinc - Total	MG/L	NA		ND	0.010	NA		NA	
Antimony - Total	MG/L	NA		ND	0.020	NA		NA	
Beryllium - Total	MG/L	NA		ND	0.0020	NA		NA	
Silver - Total	MG/L	NA		ND	0.0030	NA		NA	
Thallium - Total	MG/L	NA		ND	0.020	NA		NA	
Cobalt - Total	MG/L	NA		ND	0.0040	NA		NA	
Barium - Total	MG/L	NA		ND	0.0020	NA		NA	
Cadmium - Total	MG/L	NA		ND	0.0010	NA		NA	
Calcium - Total	MG/L	NA		ND	0.50	NA		NA	
Iron - Total	MG/L	NA		ND	0.050	NA		NA	
Manganese - Total	MG/L	NA		ND	0.0030	NA		NA	
Mercury - Total	MG/L	ND	0.00020	NA		NA		NA	
Potassium - Total	MG/L	NA		ND	0.50	NA		NA	
Selenium - Total	MG/L	NA		ND	0.015	NA		NA	
Sodium - Total	MG/L	NA		ND	1.0	NA		NA	
Vanadium - Total	MG/L	NA		ND	0.0050	NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

16/32

Date: 06/27/2006
Time: 10:03:15

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
MACTEC - TAL METALS (23) SW8463-6010/7470 - W

Rept: AN0326

Client ID Job No Sample Date		Lab ID		GW-19-0606 A06-6765 06/13/2006		GW-19-0606 A06-6765 06/13/2006		LCS A06-6765 A6B2108701		LFB A06-6765 A6B2111801	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	21.3	0.20	19.2	0.20	NA		9.9	0.20		
Antimony - Total	MG/L	0.20	0.020	0.20	0.020	NA		0.20	0.020		
Arsenic - Total	MG/L	0.23	0.010	0.23	0.010	NA		0.20	0.010		
Barium - Total	MG/L	0.29	0.0020	0.28	0.0020	NA		0.20	0.0020		
Beryllium - Total	MG/L	0.20	0.0020	0.20	0.0020	NA		0.20	0.0020		
Cadmium - Total	MG/L	0.20	0.0010	0.20	0.0010	NA		0.20	0.0010		
Calcium - Total	MG/L	67.0	0.50	70.3	0.50	NA		9.8	0.50		
Chromium - Total	MG/L	0.31	0.0040	0.28	0.0040	NA		0.20	0.0040		
Cobalt - Total	MG/L	0.20	0.0040	0.20	0.0040	NA		0.20	0.0040		
Copper - Total	MG/L	0.25	0.010	0.24	0.010	NA		0.21	0.010		
Iron - Total	MG/L	21.3	0.050	19.2	0.050	NA		10	0.050		
Lead - Total	MG/L	0.30	0.0050	0.28	0.0050	NA		0.20	0.0050		
Magnesium - Total	MG/L	16.2	0.20	17.2	0.20	NA		9.9	0.20		
Manganese - Total	MG/L	0.46	0.0030	0.44	0.0030	NA		0.20	0.0030		
Mercury - Total	MG/L	0.0074	0.00020	0.0069	0.00020	0.0032	0.00020	NA			
Nickel - Total	MG/L	0.22	0.010	0.22	0.010	NA		0.20	0.010		
Potassium - Total	MG/L	536	0.50	498	0.50	NA		10.2	0.50		
Selenium - Total	MG/L	0.22	0.015	0.21	0.015	NA		0.20	0.015		
Silver - Total	MG/L	0.051	0.0030	0.051	0.0030	NA		0.051	0.0030		
Sodium - Total	MG/L	57.7	1.0	52.7	1.0	NA		9.9	1.0		
Thallium - Total	MG/L	0.20	0.020	0.20	0.020	NA		0.20	0.020		
Vanadium - Total	MG/L	0.26	0.0050	0.25	0.0050	NA		0.20	0.0050		
Zinc - Total	MG/L	0.35	0.010	0.32	0.010	NA		0.20	0.010		

NA = Not Applicable ND = Not Detected

STL Buffalo

17/32

Date : 06/27/2006 10:03:24

SAMPLE DATE 06/13/2006

Rept: AN0364

Client Sample ID: GW-19-0606
Lab Sample ID: A6676501GW-19-0606
A6676501MSGW-19-0606
A6676501SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
METHOD 8270 - NITROBENZENE Nitrobenzene	UG/L	0	75.3	81.4	95.6	95.6	79	85	82	7	24.0	42-131

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

18/32

Date : 06/27/2006 10:03:24

Rept: AN0364

Client Sample ID: SBLX
Lab Sample ID: A6B2105602Matrix Spike Blank
A6B2105601

Analyte	Units of Measure	Concentration		% Recovery	QC
		Blank Spike	Spike Amount		
METHOD 8270 - NITROBENZENE Nitrobenzene	UG/L	87.2	100	87	42-131

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

19/32

Date : 06/27/2006 10:03:39

SAMPLE DATE 06/13/2006

Rept: AN0364

Client Sample ID: GW-19-0606
Lab Sample ID: A6676501GW-19-0606
A6676501MSGW-19-0606
A6676501SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
MACTEC - TAL METALS (23) SW8463-6010/747												
TOTAL ALUMINUM	MG/L	7.35	21.30	19.18	10.0	10.0	139 *	118	129	16	20.0	75-125
TOTAL ANTIMONY	MG/L	0.00260	0.201	0.201	0.200	0.200	99	99	99	0	20.0	75-125
TOTAL ARSENIC	MG/L	0.0256	0.232	0.227	0.200	0.200	104	101	103	3	20.0	75-125
TOTAL BARIUM	MG/L	0.0729	0.292	0.284	0.200	0.200	110	106	108	4	20.0	75-125
TOTAL BERYLLIUM	MG/L	0.00040	0.201	0.198	0.200	0.200	100	99	100	1	20.0	75-125
TOTAL CADMIUM	MG/L	0.00010	0.203	0.202	0.200	0.200	102	101	102	1	20.0	75-125
TOTAL CALCIUM	MG/L	52.69	67.02	70.33	10.0	10.0	143 *	176 *	160	21 *	20.0	75-125
TOTAL CHROMIUM	MG/L	0.0894	0.307	0.278	0.200	0.200	109	94	102	15	20.0	75-125
TOTAL COBALT	MG/L	0.00310	0.203	0.200	0.200	0.200	100	99	100	1	20.0	75-125
TOTAL COPPER	MG/L	0.0285	0.251	0.244	0.200	0.200	111	108	110	3	20.0	75-125
TOTAL IRON	MG/L	6.90	21.30	19.25	10.0	10.0	144 *	124	134	15	20.0	75-125
TOTAL LEAD	MG/L	0.0802	0.298	0.276	0.200	0.200	109	98	104	11	20.0	75-125
TOTAL MAGNESIUM	MG/L	4.54	16.25	17.19	10.0	10.0	117	126 *	122	7	20.0	75-125
TOTAL MANGANESE	MG/L	0.201	0.459	0.437	0.200	0.200	129 *	118	124	9	20.0	75-125
TOTAL MERCURY	MG/L	0.00086	0.00738	0.00687	0.00666	0.00666	98	90	94	8	20.0	80-120
TOTAL NICKEL	MG/L	0.0164	0.225	0.219	0.200	0.200	105	101	103	4	20.0	75-125
TOTAL POTASSIUM	MG/L	514.1	536.2	497.7	10.0	10.0	221 *	163 *	29	1320 *	20.0	75-125
TOTAL SELENIUM	MG/L	0.0154	0.217	0.211	0.200	0.200	101	98	100	3	20.0	75-125
TOTAL SILVER	MG/L	0	0.0512	0.0511	0.0500	0.0500	102	102	102	0	20.0	75-125
TOTAL SODIUM	MG/L	46.08	57.68	52.72	10.0	10.0	116	66 *	91	55 *	20.0	75-125
TOTAL THALLIUM	MG/L	0.00290	0.200	0.199	0.200	0.200	99	98	99	1	20.0	75-125
TOTAL VANADIUM	MG/L	0.0552	0.261	0.250	0.200	0.200	103	98	101	5	20.0	75-125
TOTAL ZINC	MG/L	0.104	0.349	0.315	0.200	0.200	122	106	114	14	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

20/32

Date : 06/27/2006 10:03:39

Rept: AN0364

Client Sample ID: Method Blank
Lab Sample ID: A682108702LCS
A682108701

Analyte	Units of Measure	Concentration		% Recovery	QC LIMITS
		Blank Spike	Spike Amount		
MACTEC - TAL METALS (23) SW8463-6010/747					
TOTAL MERCURY	MG/L	0.00325	0.00333	98	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

21/32

Client Sample ID: Method Blank
Lab Sample ID: A6B2111802LFB
A6B2111801

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
MACTEC - TAL METALS (23) SW8463-6010/747					
TOTAL ALUMINUM	MG/L	9.86	10.0	98	80-120
TOTAL ANTIMONY	MG/L	0.200	0.200	99	80-120
TOTAL ARSENIC	MG/L	0.199	0.200	100	80-120
TOTAL BARIUM	MG/L	0.196	0.200	98	80-120
TOTAL BERYLLIUM	MG/L	0.199	0.200	100	80-120
TOTAL CADMIUM	MG/L	0.203	0.200	102	80-120
TOTAL CALCIUM	MG/L	9.83	10.0	98	80-120
TOTAL CHROMIUM	MG/L	0.202	0.200	101	80-120
TOTAL COBALT	MG/L	0.197	0.200	99	80-120
TOTAL COPPER	MG/L	0.208	0.200	104	80-120
TOTAL IRON	MG/L	9.97	10.0	100	80-120
TOTAL LEAD	MG/L	0.198	0.200	99	80-120
TOTAL MAGNESIUM	MG/L	9.93	10.0	99	80-120
TOTAL MANGANESE	MG/L	0.195	0.200	98	80-120
TOTAL NICKEL	MG/L	0.204	0.200	102	80-120
TOTAL POTASSIUM	MG/L	10.23	10.0	102	80-120
TOTAL SELENIUM	MG/L	0.200	0.200	100	80-120
TOTAL SILVER	MG/L	0.0507	0.0500	101	80-120
TOTAL SODIUM	MG/L	9.93	10.0	99	80-120
TOTAL THALLIUM	MG/L	0.199	0.200	98	80-120
TOTAL VANADIUM	MG/L	0.197	0.200	98	80-120
TOTAL ZINC	MG/L	0.198	0.200	99	80-120

* Indicates Result is outside QC Limits
 NC = Not Calculated ND = Not Detected

STL Buffalo

22/32

Date: 06/27/2006
Time: 10:03:50MACTEC ENGINEERING & CONSULTANTS
SAMPLE CHRONOLOGYRept: AN0374
Page: 1

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	GW-18R-0606 A06-6765 A6676506	GW-19-0606 A06-6765 A6676501	GW-19D-0606 A06-6765 A6676502	GW-21-0606 A06-6765 A6676505	GW-22-0606 A06-6765 A6676504
Sample Date	06/13/2006 13:15	06/13/2006 11:55	06/13/2006 11:55	06/13/2006 13:10	06/13/2006 12:50
Received Date	06/14/2006 09:30	06/14/2006 09:30	06/14/2006 09:30	06/14/2006 09:30	06/14/2006 09:30
Extraction Date	06/15/2006 07:00	06/15/2006 07:00	06/15/2006 07:00	06/15/2006 07:00	06/15/2006 07:00
Analysis Date	06/19/2006 21:09	06/19/2006 18:15	06/19/2006 19:30	06/19/2006 20:44	06/19/2006 20:19
Extraction HT Met?	YES	YES	YES	YES	YES
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample wt/vol	1.0 LITERS	1.01 LITERS	1.015 LITERS	1.025 LITERS	1.035 LITERS
% Dry					

NA = Not Applicable

STL Buffalo

23/32

Date: 06/27/2006
Time: 10:03:50

MACTEC ENGINEERING & CONSULTANTS
SAMPLE CHRONOLOGY

Rept: AN0374
Page: 2

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	GW-23-0606 A06-6765 A6676503				
Sample Date	06/13/2006 13:30				
Received Date	06/14/2006 09:30				
Extraction Date	06/15/2006 07:00				
Analysis Date	06/19/2006 19:55				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.06 LITERS				
% Dry					

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NA = Not Applicable

STL Buffalo

Date: 06/27/2006
Time: 10:03:50

MACTEC ENGINEERING & CONSULTANTS
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 3

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	GW-19-0606 A06-6765 A6676501MS	GW-19-0606 A06-6765 A6676501SD	Matrix Spike Blank A06-6765 A6B2105601		
Sample Date	06/13/2006 11:55	06/13/2006 11:55			
Received Date	06/14/2006 09:30	06/14/2006 09:30			
Extraction Date	06/15/2006 07:00	06/15/2006 07:00	06/15/2006 07:00		
Analysis Date	06/19/2006 18:40	06/19/2006 19:05	06/19/2006 17:25		
Extraction HT Met?	YES	YES	-		
Analytical HT Met?	YES	YES	-		
Sample Matrix	WATER	WATER	WATER		
Dilution Factor	1.0	1.0	1.0		
Sample wt/vol	1.045 LITERS	1.045 LITERS	1.0 LITERS		
% Dry					

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NA = Not Applicable

STL Buffalo

Date: 06/27/2006
Time: 10:03:50

MACTEC ENGINEERING & CONSULTANTS
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 4

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	SBLK A06-6765 A682105602				
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	06/15/2006 07:00 06/19/2006 17:50 - - WATER 1.0 1.0 LITERS				

NA = Not Applicable

STL Buffalo

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Date: 06/27/2006 10:03:57
Jobno: A06-6765

MACTEC ENGINEERING & CONSULTANTS
SAMPLE CHRONOLOGY

Rept: AN0369

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	HT	Analysis Date	AHT	Matrix
A6676506	GW-18R-0606	MG/L	Aluminum - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Antimony - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Arsenic - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Barium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Beryllium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Calcium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Cobalt - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Copper - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Iron - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Lead - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Magnesium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Manganese - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Mercury - Total	7470	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 14:31	Yes	WATER
		MG/L	Nickel - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Potassium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Silver - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Sodium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Thallium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Vanadium - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
		MG/L	Zinc - Total	6010	1.00	06/13/2006 13:15	06/14 09:30	NA	NA	06/16 20:39	Yes	WATER
A6676501	GW-19-0606	MG/L	Aluminum - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Antimony - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Arsenic - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Barium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Beryllium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Calcium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Cobalt - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Copper - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Iron - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Lead - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Magnesium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Manganese - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Mercury - Total	7470	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 14:18	Yes	WATER
		MG/L	Nickel - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Potassium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Silver - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Sodium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Thallium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Vanadium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
		MG/L	Zinc - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:43	Yes	WATER
A6676502	GW-19D-0606	MG/L	Aluminum - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Antimony - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER

AHT = Analysis Holding Time Met
HT = TCLP Holding Time Met
NA = Not Applicable

STL Buffalo

27/32

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	AHT	Matrix
A6676502	GW-19D-0606	MG/L	Arsenic - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Barium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Beryllium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Calcium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Cobalt - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Copper - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Iron - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Lead - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Magnesium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Manganese - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Mercury - Total	7470	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 14:23	Yes	WATER
		MG/L	Nickel - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Potassium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Silver - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Sodium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Thallium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		MG/L	Vanadium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08	Yes	WATER
		A6676505	GW-21-0606	MG/L	Zinc - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:08
MG/L	Aluminum - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Antimony - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Arsenic - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Barium - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Beryllium - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Cadmium - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Calcium - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Chromium - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Cobalt - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Copper - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Iron - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Lead - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Magnesium - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Manganese - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Mercury - Total			7470	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 14:29	Yes	WATER
MG/L	Nickel - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Potassium - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Selenium - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Silver - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Sodium - Total			6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
MG/L	Thallium - Total	6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER		
MG/L	Vanadium - Total	6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER		
A6676504	GW-22-0606	MG/L	Zinc - Total	6010	1.00	06/13/2006 13:10	06/14 09:30	NA	NA	06/16 20:22	Yes	WATER
		MG/L	Aluminum - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Antimony - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Arsenic - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Barium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER

STL Buffalo

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THI	Analysis Date	AHT	Matrix
A6676504	GW-22-0606	MG/L	Beryllium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Calcium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Cobalt - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Copper - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Iron - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Lead - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Magnesium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Manganese - Total	7470	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Mercury - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/15 14:28	Yes	WATER
		MG/L	Nickel - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Potassium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Silver - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Sodium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Thallium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		MG/L	Vanadium - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17	Yes	WATER
		A6676503	GW-23-0606	MG/L	Zinc - Total	6010	1.00	06/13/2006 12:50	06/14 09:30	NA	NA	06/16 20:17
MG/L	Aluminum - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Antimony - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Arsenic - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Barium - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Beryllium - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Cadmium - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Calcium - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Chromium - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Cobalt - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Copper - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Iron - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Lead - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Magnesium - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Manganese - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Mercury - Total			7470	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/15 14:27	Yes	WATER
MG/L	Nickel - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Potassium - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Selenium - Total			6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER
MG/L	Silver - Total	6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER		
MG/L	Sodium - Total	6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER		
MG/L	Thallium - Total	6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER		
MG/L	Vanadium - Total	6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER		
MG/L	Zinc - Total	6010	1.00	06/13/2006 13:30	06/14 09:30	NA	NA	06/16 20:12	Yes	WATER		

STL Buffalo

Date: 06/27/2006 10:03:57
Jobno: A06-6765

MACTEC ENGINEERING & CONSULTANTS
QC CHRONOLOGY

Rept: AN0369

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THI	Analysis Date	AHT	Matrix
A6676501MS	GW-19-0606	MG/L	Aluminum - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Antimony - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Arsenic - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Barium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Beryllium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Calcium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Cobalt - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Copper - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Iron - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Lead - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Magnesium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Manganese - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Mercury - Total	7470	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/15 14:20	Yes	WATER
		MG/L	Nickel - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Potassium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Silver - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Sodium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Thallium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Vanadium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
		MG/L	Zinc - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 19:58	Yes	WATER
A6676501SD	GW-19-0606	MG/L	Aluminum - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Antimony - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Arsenic - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Barium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Beryllium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Calcium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Cobalt - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Copper - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Iron - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Lead - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Magnesium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Manganese - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/15 14:22	Yes	WATER
		MG/L	Mercury - Total	7470	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Nickel - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Potassium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Silver - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Sodium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
A6B2108702	Method Blank	MG/L	Thallium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
		MG/L	Vanadium - Total	6010	1.00	06/13/2006 11:55	06/14 09:30	NA	NA	06/16 20:03	Yes	WATER
A6B2111802	Method Blank	MG/L	Zinc - Total	7470	1.00	-	- 09:30	NA	NA	06/15 14:35	Yes	WATER
A6B2111802	Method Blank	MG/L	Aluminum - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER

AHT = Analysis Holding Time Met
THI = TCLP Holding Time Met
NA = Not Applicable

STL Buffalo

Date: 06/27/2006 10:03:57
Jobno: A06-6765

MACTEC ENGINEERING & CONSULTANTS
QC CHRONOLOGY

Rept: AN0369

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THI	Analysis Date	AHT	Matrix
A6B2111802	Method Blank	MG/L	Antimony - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Arsenic - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Barium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Beryllium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Calcium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Cobalt - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Copper - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Iron - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Lead - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Magnesium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Manganese - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Nickel - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Potassium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Silver - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Sodium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Thallium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Vanadium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
		MG/L	Zinc - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:22	Yes	WATER
A6B2108701	LCS	MG/L	Mercury - Total	7470	1.00	-	- 09:30	NA	NA	06/15 14:33	Yes	WATER
		MG/L	Aluminum - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
A6B2111801	LFB	MG/L	Antimony - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Arsenic - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Barium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Beryllium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Calcium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Cobalt - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Copper - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Iron - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Lead - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Magnesium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Manganese - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Nickel - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Potassium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Silver - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Sodium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Thallium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Vanadium - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER
		MG/L	Zinc - Total	6010	1.00	-	- 09:30	NA	NA	06/16 19:38	Yes	WATER

AHT = Analysis Holding Time Met
THI = TCLP Holding Time Met
NA = Not Applicable

STL Buffalo

**Chain of
Custody Record**

**SEVERN
TRENT** **STL®**
Severn Trent Laboratories, Inc.

STL 4124 (0901)

Client MACTEC		Project Manager John Scrabis		Date 6/13/06	Chain of Custody Number 285684
Address 700 N. Bell Ave. Suite 200		Telephone Number (Area Code)/Fax Number (412) 279-6661		Lab Number	Page 1 of 1
City Pittsburgh	State PA	Zip Code 15106	Site Contact Roy Orloski	Lab Contact Brian Fischer	Analysis (Attach list if more space is needed)
Project Name and Location (State) Honeywell - Buffalo Outer Harbor			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					Containers & Preservatives										Special Instructions/ Conditions of Receipt
			As	Ag	Se	Sl	Un	MSD	MSD	MSD	MSD	MSD	MSD	MSD	MSD	MSD	MSD	
GW-19-0606	6/13/06	1155	X					2	1					X	X			EDDs in Honeywell Format. This is a Honeywell project w/ Honeywell procedures
GW-19D-0606		1155	X					2	1					X	X			
GW-19MS-0606		1155	X					2	1					X	X			
GW- ~~19MS~~ -19MSD-0606		1155	X					2	1					X	X			
GW-23-0606		1330	X					2	1					X	X			
GW-22-0606		1250	X					2	1					X	X			
GW-21-0606		1310	X					2	1					X	X			
GW-18R-0606		1315	X					2	1					X	X			Sample GW-18R- 0606 has only one Nitrobenzene bottle, we got break

Possible Hazard Identification		Sample Disposal		OC Requirements (Specify)	
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☒ Unknown	☐ Return To Client
Turn Around Time Required		☒ Other standard		☒ Disposal By Lab	
☐ 24 Hours	☐ 48 Hours	☐ 7 Days	☐ 14 Days	☐ 21 Days	☐ Archive For _____ Months
1. Relinquished By William Dore		Date 6/13/06	Time 1135	1. Received By Ed Ex	
2. Relinquished By		Date	Time	2. Received By	
3. Relinquished By		Date	Time	3. Received By	

Comments: **202.8°C**

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

**SEVERN
TRENT**

STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A06-6765

STL Project#: NY5A9518
Site Name: MACTEC - Honeywell Buffalo Outer Harbor
Task: Buffalo Outer Harbor

Reviewed and
Approved for use
By: WDF

PROJECT # 3410050323
CLIENT Hw - Buffalo Outer Harbor
CATEGORY FN/COC
SUBMITTED BY WDF

Mr. John Scrabis
MACTEC Engineering&Consulting
700 North Bell Ave. Ste. 200
Pittsburgh, PA 15106

STL Buffalo


Brian J. Fischer
Project Manager

06/27/2006

STL Buffalo
Current Certifications

As of 4/10/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA, ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA	998310390

METHODS SUMMARY

Job#: A06-6765

STL Project#: NY5A9518

Site Name: MACTEC - Honeywell Buffalo Outer Harbor

PARAMETER	ANALYTICAL METHOD
METHOD 8270 - NITROBENZENE	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The value obtained for Mercury on samples GW-19-0606 and GW-19D-0606 were inconsistent with historical trends. Reanalysis was performed and the values were confirmed. Only the results from the original analyses are provided in this data package.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Date: 06/27/2006
Time: 10:02:49

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
METHOD 8270 - NITROBENZENE

Rept: AN0326

Client ID	Lab ID	GW-18R-0606 A06-6765 06/13/2006	A6676506	GW-19-0606 A06-6765 06/13/2006	A6676501	GW-19D-0606 A06-6765 06/13/2006	A6676502	GW-21-0606 A06-6765 06/13/2006	A6676505
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	ND	10	ND	10	ND	10
-Is/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	100	50-200	106	50-200	98	50-200	97	50-200
Naphthalene-D8	%	101	50-200	106	50-200	98	50-200	97	50-200
Acenaphthene-D10	%	99	50-200	104	50-200	97	50-200	97	50-200
Phenanthrene-D10	%	112	50-200	117	50-200	108	50-200	108	50-200
Chrysene-D12	%	106	50-200	112	50-200	101	50-200	102	50-200
Perylene-D12	%	101	50-200	107	50-200	99	50-200	98	50-200
Nitrobenzene-D5	%	78	46-120	76	46-120	78	46-120	79	46-120
2-Fluorobiphenyl	%	80	44-120	77	44-120	82	44-120	81	44-120
p-Terphenyl-d14	%	64	23-143	76	23-143	82	23-143	68	23-143

Client ID	Lab ID	GW-22-0606 A06-6765 06/13/2006	A6676504	GW-23-0606 A06-6765 06/13/2006	A6676503				
Analyte	units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Nitrobenzene	UG/L	ND	10	ND	9	NA		NA	
-Is/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	105	50-200	98	50-200	NA		NA	
Naphthalene-D8	%	107	50-200	98	50-200	NA		NA	
Acenaphthene-D10	%	106	50-200	98	50-200	NA		NA	
Phenanthrene-D10	%	119	50-200	110	50-200	NA		NA	
Chrysene-D12	%	116	50-200	106	50-200	NA		NA	
Perylene-D12	%	108	50-200	100	50-200	NA		NA	
Nitrobenzene-D5	%	76	46-120	80	46-120	NA		NA	
2-Fluorobiphenyl	%	76	44-120	83	44-120	NA		NA	
p-Terphenyl-d14	%	56	23-143	68	23-143	NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

8/32

Date: 06/27/2006
Time: 10:02:56

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
MACTEC - TAL METALS (23) SW8463-6010/7470 - W

Rept: AN0326

Client ID	Lab ID	GW-22-0606 A06-6765 06/13/2006	A6676504	GW-23-0606 A06-6765 06/13/2006	A6676503				
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	7.3	0.20	1.3	0.20	NA		NA	
Antimony - Total	MG/L	ND	0.020	0.044	0.020	NA		NA	
Arsenic - Total	MG/L	ND	0.010	0.048	0.010	NA		NA	
Barium - Total	MG/L	0.24	0.0020	0.36	0.0020	NA		NA	
Beryllium - Total	MG/L	ND	0.0020	ND	0.0020	NA		NA	
Cadmium - Total	MG/L	ND	0.0010	ND	0.0010	NA		NA	
Calcium - Total	MG/L	269	0.50	236	0.50	NA		NA	
Chromium - Total	MG/L	0.014	0.0040	0.0042	0.0040	NA		NA	
Cobalt - Total	MG/L	0.0051	0.0040	ND	0.0040	NA		NA	
Copper - Total	MG/L	0.042	0.010	0.048	0.010	NA		NA	
Iron - Total	MG/L	17.2	0.050	17.8	0.050	NA		NA	
Lead - Total	MG/L	0.14	0.0050	0.039	0.0050	NA		NA	
Magnesium - Total	MG/L	76.7	0.20	34.6	0.20	NA		NA	
Manganese - Total	MG/L	1.0	0.0030	0.64	0.0030	NA		NA	
Mercury - Total	MG/L	ND	0.00020	ND	0.00020	NA		NA	
Nickel - Total	MG/L	0.015	0.010	0.025	0.010	NA		NA	
Potassium - Total	MG/L	36.4	0.50	88.0	0.50	NA		NA	
Selenium - Total	MG/L	ND	0.015	ND	0.015	NA		NA	
Silver - Total	MG/L	ND	0.0030	ND	0.0030	NA		NA	
Sodium - Total	MG/L	51.0	1.0	33.9	1.0	NA		NA	
Thallium - Total	MG/L	ND	0.020	ND	0.020	NA		NA	
Vanadium - Total	MG/L	0.014	0.0050	0.0052	0.0050	NA		NA	
Zinc - Total	MG/L	0.14	0.010	0.058	0.010	NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

10/32

Lab Sample ID: A6676501

A6676501MS

A6676501SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			X RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
MACTEC - TAL METALS (23) SW8463-6010/747												
TOTAL ALUMINUM	MG/L	7.35	21.30	19.18	10.0	10.0	139 *	118	129	16	20.0	75-125
TOTAL ANTIMONY	MG/L	0.00260	0.201	0.201	0.200	0.200	99	99	99	0	20.0	75-125
TOTAL ARSENIC	MG/L	0.0256	0.232	0.227	0.200	0.200	104	101	103	3	20.0	75-125
TOTAL BARIUM	MG/L	0.0729	0.292	0.284	0.200	0.200	110	106	108	4	20.0	75-125
TOTAL BERYLLIUM	MG/L	0.00040	0.201	0.198	0.200	0.200	100	99	100	1	20.0	75-125
TOTAL CADMIUM	MG/L	0.00010	0.203	0.202	0.200	0.200	102	101	102	1	20.0	75-125
TOTAL CALCIUM	MG/L	52.69	67.02	70.33	10.0	10.0	143 *	176 *	160	21 *	20.0	75-125
TOTAL CHROMIUM	MG/L	0.0894	0.307	0.278	0.200	0.200	109	94	102	15	20.0	75-125
TOTAL COBALT	MG/L	0.00310	0.203	0.200	0.200	0.200	100	99	100	1	20.0	75-125
TOTAL COPPER	MG/L	0.0285	0.251	0.244	0.200	0.200	111	108	110	3	20.0	75-125
TOTAL IRON	MG/L	6.90	21.30	19.25	10.0	10.0	144 *	124	134	15	20.0	75-125
TOTAL LEAD	MG/L	0.0802	0.298	0.276	0.200	0.200	109	98	104	11	20.0	75-125
TOTAL MAGNESIUM	MG/L	4.54	16.25	17.19	10.0	10.0	117	126 *	122	7	20.0	75-125
TOTAL MANGANESE	MG/L	0.201	0.459	0.437	0.200	0.200	129 *	118	124	9	20.0	75-125
TOTAL NICKEL	MG/L	0.0164	0.225	0.219	0.200	0.200	105	101	103	4	20.0	75-125
TOTAL POTASSIUM	MG/L	514.1	536.2	497.7	10.0	10.0	221 *	-163 *	29	1320 *	20.0	75-125
TOTAL SELENIUM	MG/L	0.0154	0.217	0.211	0.200	0.200	101	98	100	3	20.0	75-125
TOTAL SILVER	MG/L	0	0.0512	0.0511	0.0500	0.0500	102	102	102	0	20.0	75-125
TOTAL SODIUM	MG/L	46.08	57.68	52.72	10.0	10.0	116	66 *	91	55 *	20.0	75-125
TOTAL THALLIUM	MG/L	0.00290	0.200	0.199	0.200	0.200	99	98	99	1	20.0	75-125
TOTAL VANADIUM	MG/L	0.0552	0.261	0.250	0.200	0.200	103	98	101	5	20.0	75-125
TOTAL ZINC	MG/L	0.104	0.349	0.315	0.200	0.200	122	106	114	14	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

12/32

Date: 06/27/2006
Time: 10:03:07MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
METHOD 8270 - NITROBENZENE

Rept: AN0326

Client ID	Lab ID	SBLX								
Job No		A06-6765	A682105602							
Sample Date										
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	
Nitrobenzene	UG/L	ND	10	NA		NA		NA		
IS/SURROGATE(S)										
1,4-Dichlorobenzene-D4	X	100	50-200	NA		NA		NA		
Naphthalene-D8	X	101	50-200	NA		NA		NA		
Acenaphthene-D10	X	100	50-200	NA		NA		NA		
Phenanthrene-D10	X	108	50-200	NA		NA		NA		
Chrysene-D12	X	98	50-200	NA		NA		NA		
Perylene-D12	X	100	50-200	NA		NA		NA		
Nitrobenzene-D5	X	82	46-120	NA		NA		NA		
2-Fluorobiphenyl	X	83	44-120	NA		NA		NA		
p-Terphenyl-D14	X	89	23-143	NA		NA		NA		

NA = Not Applicable ND = Not Detected

STL Buffalo

14/32

Date: 06/27/2006
Time: 10:03:15

MACTEC - Honeywell Buffalo Outer Harbor
Buffalo Outer Harbor (Level II reporting)
MACTEC - TAL METALS (23) SW8463-6010/7470 - W

Rept: AN0326

Client ID Job No Sample Date		Method Blank A06-6765 A682108702		Method Blank A06-6765 A682111802					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/L	NA		ND	0.20	NA		NA	
Magnesium - Total	MG/L	NA		ND	0.20	NA		NA	
Arsenic - Total	MG/L	NA		ND	0.010	NA		NA	
Chromium - Total	MG/L	NA		ND	0.0040	NA		NA	
Copper - Total	MG/L	NA		ND	0.010	NA		NA	
Nickel - Total	MG/L	NA		ND	0.010	NA		NA	
Lead - Total	MG/L	NA		ND	0.0050	NA		NA	
Zinc - Total	MG/L	NA		ND	0.010	NA		NA	
Antimony - Total	MG/L	NA		ND	0.020	NA		NA	
Beryllium - Total	MG/L	NA		ND	0.0020	NA		NA	
Silver - Total	MG/L	NA		ND	0.0030	NA		NA	
Thallium - Total	MG/L	NA		ND	0.020	NA		NA	
Cobalt - Total	MG/L	NA		ND	0.0040	NA		NA	
Barium - Total	MG/L	NA		ND	0.0020	NA		NA	
Cadmium - Total	MG/L	NA		ND	0.0010	NA		NA	
Calcium - Total	MG/L	NA		ND	0.50	NA		NA	
Iron - Total	MG/L	NA		ND	0.050	NA		NA	
Manganese - Total	MG/L	NA		ND	0.0030	NA		NA	
Mercury - Total	MG/L	ND	0.00020	NA		NA		NA	
Potassium - Total	MG/L	NA		ND	0.50	NA		NA	
Selenium - Total	MG/L	NA		ND	0.015	NA		NA	
Sodium - Total	MG/L	NA		ND	1.0	NA		NA	
Vanadium - Total	MG/L	NA		ND	0.0050	NA		NA	

16/32

NA = Not Applicable ND = Not Detected

STL Buffalo

Date : 06/27/2006 10:03:24

SAMPLE DATE 06/13/2006

Rept: AN0364

Client Sample ID: GW-19-0606
Lab Sample ID: A6676501

GW-19-0606
A6676501MS

GW-19-0606
A6676501SD

Analyte	Units of Measure	Sample	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
			Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
METHOD 8270 - NITROBENZENE Nitrobenzene	UG/L	0	75.3	81.4	95.6	95.6	79	85	82	7	24.0	42-131

18/32

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

Client Sample ID: GW-19-0606
Lab Sample ID: A6676501GW-19-0606
A6676501MSGW-19-0606
A6676501SD

Analyte	Units of Measure	Concentration			Spike Amount		X Recovery			X RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
MACTEC - TAL METALS (23) SW8463-6010/747												
TOTAL ALUMINUM	MG/L	7.35	21.30	19.18	10.0	10.0	139 *	118	129	16	20.0	75-125
TOTAL ANTIMONY	MG/L	0.00260	0.201	0.201	0.200	0.200	99	99	99	0	20.0	75-125
TOTAL ARSENIC	MG/L	0.0256	0.232	0.227	0.200	0.200	104	101	103	3	20.0	75-125
TOTAL BARIUM	MG/L	0.0729	0.292	0.284	0.200	0.200	110	106	108	4	20.0	75-125
TOTAL BERYLLIUM	MG/L	0.00040	0.201	0.198	0.200	0.200	100	99	100	1	20.0	75-125
TOTAL CADMIUM	MG/L	0.00010	0.203	0.202	0.200	0.200	102	101	102	1	20.0	75-125
TOTAL CALCIUM	MG/L	52.69	67.02	70.33	10.0	10.0	143 *	176 *	160	21 *	20.0	75-125
TOTAL CHROMIUM	MG/L	0.0894	0.307	0.278	0.200	0.200	109	94	102	15	20.0	75-125
TOTAL COBALT	MG/L	0.00310	0.203	0.200	0.200	0.200	100	99	100	1	20.0	75-125
TOTAL COPPER	MG/L	0.0285	0.251	0.244	0.200	0.200	111	108	110	3	20.0	75-125
TOTAL IRON	MG/L	6.90	21.30	19.25	10.0	10.0	144 *	124	134	15	20.0	75-125
TOTAL LEAD	MG/L	0.0802	0.298	0.276	0.200	0.200	109	98	104	11	20.0	75-125
TOTAL MAGNESIUM	MG/L	4.54	16.25	17.19	10.0	10.0	117	126 *	122	7	20.0	75-125
TOTAL MANGANESE	MG/L	0.201	0.459	0.437	0.200	0.200	129 *	118	124	9	20.0	75-125
TOTAL MERCURY	MG/L	0.00086	0.00738	0.00687	0.00666	0.00666	98	90	94	8	20.0	80-120
TOTAL NICKEL	MG/L	0.0164	0.225	0.219	0.200	0.200	105	101	103	4	20.0	75-125
TOTAL POTASSIUM	MG/L	514.1	536.2	497.7	10.0	10.0	221 *	-163 *	29	1320 *	20.0	75-125
TOTAL SELENIUM	MG/L	0.0154	0.217	0.211	0.200	0.200	101	98	100	3	20.0	75-125
TOTAL SILVER	MG/L	0	0.0512	0.0511	0.0500	0.0500	102	102	102	0	20.0	75-125
TOTAL SODIUM	MG/L	46.08	57.68	52.72	10.0	10.0	116	66 *	91	55 *	20.0	75-125
TOTAL THALLIUM	MG/L	0.00290	0.200	0.199	0.200	0.200	99	98	99	1	20.0	75-125
TOTAL VANADIUM	MG/L	0.0552	0.261	0.250	0.200	0.200	103	98	101	5	20.0	75-125
TOTAL ZINC	MG/L	0.104	0.349	0.315	0.200	0.200	122	106	114	14	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

20/32

Client Sample ID: Method Blank
Lab Sample ID: A68211802LFB
A68211801

Analyte	Units of Measure	Concentration		X Recovery	QC LIMITS
		Blank Spike	Spike Amount		
MACTEC - TAL METALS (23) SW8463-6010/747					
TOTAL ALUMINUM	MG/L	9.86	10.0	98	80-120
TOTAL ANTIMONY	MG/L	0.200	0.200	99	80-120
TOTAL ARSENIC	MG/L	0.199	0.200	100	80-120
TOTAL BARIUM	MG/L	0.196	0.200	98	80-120
TOTAL BERYLLIUM	MG/L	0.199	0.200	100	80-120
TOTAL CADMIUM	MG/L	0.203	0.200	102	80-120
TOTAL CALCIUM	MG/L	9.83	10.0	98	80-120
TOTAL CHROMIUM	MG/L	0.202	0.200	101	80-120
TOTAL COBALT	MG/L	0.197	0.200	99	80-120
TOTAL COPPER	MG/L	0.208	0.200	104	80-120
TOTAL IRON	MG/L	9.97	10.0	100	80-120
TOTAL LEAD	MG/L	0.198	0.200	99	80-120
TOTAL MAGNESIUM	MG/L	9.93	10.0	99	80-120
TOTAL MANGANESE	MG/L	0.195	0.200	98	80-120
TOTAL NICKEL	MG/L	0.204	0.200	102	80-120
TOTAL POTASSIUM	MG/L	10.23	10.0	102	80-120
TOTAL SELENIUM	MG/L	0.200	0.200	100	80-120
TOTAL SILVER	MG/L	0.0507	0.0500	101	80-120
TOTAL SODIUM	MG/L	9.93	10.0	99	80-120
TOTAL THALLIUM	MG/L	0.199	0.200	98	80-120
TOTAL VANADIUM	MG/L	0.197	0.200	98	80-120
TOTAL ZINC	MG/L	0.198	0.200	99	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

22/32

Date: 06/27/2006
Time: 10:03:50

MACTEC ENGINEERING & CONSULTANTS
SAMPLE CHRONOLOGY

Rept: AN0374
Page: 2

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	GW-23-0606 A06-6765 A6676503				
Sample Date	06/13/2006 13:30				
Received Date	06/14/2006 09:30				
Extraction Date	06/15/2006 07:00				
Analysis Date	06/19/2006 19:55				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.06 LITERS				
% Dry					

24/32

NA = Not Applicable

STL Buffalo

Date: 06/27/2006
Time: 10:03:50

MACTEC ENGINEERING & CONSULTANTS
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 4

METHOD 8270 - NITROBENZENE

Client Sample ID Job No & Lab Sample ID	SBLK A06-6765 A6B2105602				
Sample Date					
Received Date	06/15/2006 07:00				
Extraction Date	06/19/2006 17:50				
Analysis Date	-				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

26/32

NA = Not Applicable

STL Buffalo

STL BuffaloSTL Buffalo

**Chain of
Custody Record**

**SEVERN
TRENT** **STL®**
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client MACTEC		Project Manager John Scrabish		Date 6/13/06	Chain of Custody Number 285684
Address 700 N. Bell Ave. Suite 200		Telephone Number (Area Code)/Fax Number (412) 279-6661		Lab Number	Page 1 of 1
City Pittsburgh	State PA	Zip Code 15106	Site Contact Ray Orloski	Lab Contact Brian Fischer	

Project Name and Location (State) Honeywell - Buffalo Outer Harbor		Contract/Purchase Order/Quote No.	Analysis (Attach list if more space is needed) Method 8270 Nitrogen TAL Metals (23) 50343- 606/74	Special Instructions/ Conditions of Receipt
--	--	-----------------------------------	---	--

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives										Special Instructions/ Conditions of Receipt
			2	3	4	5	6	7	8	9	10	11	12	13	14	
GW-19-0606	6/13/06	1155	X													EDDs in Honeywell
GW-19D-0606		1155	X													Formet. This is
GW-19MS-0606		1155	X													a Honeywell
GW-19MSD-0606		1155	X													project w/
GW-23-0606		1330	X													Honeywell procedures
GW-22-0606		1250	X													
GW-21-0606		1310	X													Sample GW-18R
GW-18R-0606		1315	X													0606 has only
																one Nitrogen
																bottle, the get
																break

Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☒ Unknown	☐ Return To Client
Turn Around Time Required		Disposal By Lab		Archive For _____ Months	
☐ 24 Hours	☐ 48 Hours	☐ 7 Days	☐ 14 Days	☐ 21 Days	☒ Other: Standard
1. Relinquished By Wesley Vose		Date 6/13/06	Time 1735	QC Requirements (Specify)	
2. Relinquished By		Date	Time	1. Received By For Ex 8434 4099 5585	
3. Relinquished By		Date	Time	2. Received By DC	
		Date	Time	3. Received By	

Comments: **202.8°C**

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

33/32

ATTACHMENT B
DATA VALIDATION SUMMARY REPORTS

**DATA VALIDATION SUMMARY REPORT
SEPTEMBER AND DECEMBER 2005 GROUNDWATER SAMPLES
HONEYWELL - BUFFALO OUTER HARBOR
BUFFALO, NEW YORK**

1.0 INTRODUCTION:

Data validation was completed on groundwater samples collected during sampling completed by MACTEC in September and December 2005. A summary of samples included in this review is presented below. Samples were analyzed by Severn Trent Laboratories (STL) in Buffalo, New York and reported in sample delivery groups (SDGs) A05-A153 and A05-D818. The following U.S. Environmental Protection Agency (USEPA) SW-846 (USEPA, 1996) analytical methods were performed:

- Nitrobenzene by USEPA Method 8270C.
- Selected metals and elements by USEPA Method 6010 and 7470.

Field Sample ID	Sample Type	SDG	Date Sampled	Filtered	Validation Level
SEPTEMBER					
GW-18R-0905	REG	A05-A153	9/15/2005	N	II
GW-22-0905	REG	A05-A153	9/15/2005	N	II
GW-23-0905	REG	A05-A153	9/15/2005	N	II
GW-21-0905	REG	A05-A153	9/15/2005	N	II
GW-19-0905	REG	A05-A153	9/15/2005	N	II
GW-23D-0905	FD	A05-A153	9/15/2005	N	II
GW-23D-0905	MS	A05-A153	9/15/2005	N	II
GW-23D-0905	MSD	A05-A153	9/15/2005	N	II
DECEMBER					
MW-18R 12/05/2005	REG	A05-D818	12/5/2005	N	II
MW-19 12/05/2005	REG	A05-D818	12/5/2005	N	II
MW-19 12/05/2005	MS	A05-D818	12/5/2005	N	II
MW-19 12/05/2005	MSD	A05-D818	12/5/2005	N	II
MW-19D 12/05/2005	FD	A05-D818	12/5/2005	N	II
MW-21 12/05/2005	REG	A05-D818	12/5/2005	N	II
MW-22 12/05/2005	REG	A05-D818	12/5/2005	N	II
MW-23 12/05/2005	REG	A05-D818	12/5/2005	N	II

Data validation was completed by the MACTEC project chemist using Level II procedures described for Honeywell projects. During the Level II review the following data quality indicators were reviewed:

- Case Narrative
- Sample Collection and Holding Times
- QC Blanks
- Laboratory Control Samples (LCS)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Surrogate Spikes
- Field Duplicates
- Reporting Limits
- Electronic Data Verification

Data quality reviews were completed using general procedures described in USEPA data validation guidance documents (USEPA, 1999; USEPA, 2004). Data qualifications were completed if necessary in accordance with the guidelines and professional judgment using the following qualifiers:

U = The target compound was not detected at concentrations greater than the associated quantitation limit

J = The reported concentration is considered an estimated value

A summary of final target compound results for field samples and QC blanks is provided in Attachment A.

2.0 DATA VALIDATION ACTIONS AND OBSERVATIONS

With the exception of the items discussed below, QC parameters and measurements checked during validation met requirements in the analytical method, validation guidelines, and quality control (QA) goals. Unless specified below, results are usable without qualification.

2.1 Nitrobenzene

For the September samples reported in data set A153, the laboratory did not include nitrobenzene in the laboratory control sample (LCS) or matrix spike (MS/MSD) analyses run with this sample batch. They used a spike mix that contained only spike compounds from the USEPA Contract Laboratory Program (CLP). Therefore, no nitrobenzene spike recovery data were available for review. Recovery of the EPA list base/neutral compounds in the LCS ranged from 68 to 114 percent indicating good recoveries were obtained during the September analysis. Good recovery was also reported for surrogate nitrobenzene-d5 for all the samples indicating good recovery would be expected for nitrobenzene. Nitrobenzene recovery of 89% was reported in the LCS from the December data set D818. No other data quality issues were identified regarding available QC data reported with the nitrobenzene analyses and results are reported without qualification.

2.2 Metals

September SDG A153

In the MS/MSD analysis of sample GW-23 recovery of iron in the MS was 64 percent. This fell below the QC limit of 75 percent. The relative percent difference (RPD) between the MS and MSD recovery was 33, and this exceeded the QC limit of 20. Results for iron were qualified estimated (J) for all samples in this data set.

December SDG D818

In the MS/MSD of sample MW-19 recovery of sodium (125 - 132 %) exceeded the upper QC limit of 125 percent. Results for sodium in all samples in this set were qualified estimated (J) and may be biased high.

In the MS/MSD of sample MW-19 the RPD for manganese (23) exceeded the QC limit of 20. Results for manganese in all samples in the set were qualified estimated (J).

In the field duplicate samples MW-19 and MW-19 D differences greater than the project RPD goal of 50 were reported for aluminum, iron, lead, magnesium, and manganese. Results for these elements in all samples were qualified estimated (J). Duplicate results are summarized below.

	MW-19		MW-19 D		RPD	
Aluminum - Total	2.2		1.3		51	*
Antimony - Total	0.02	U	0.02	U		
Arsenic - Total	0.01	U	0.01	U		
Barium - Total	0.03		0.03		0	
Beryllium - Total	0.002	U	0.002	U		
Cadmium - Total	0.001	U	0.001	U		
Calcium - Total	91.8		109		-17	
Chromium - Total	0.04		0.04		0	
Cobalt - Total	0.004	U	0.004	U		
Copper - Total	0.01		0.01	U	0	
Iron - Total	1.4		0.05	U	186	*
Lead - Total	0.01		0.005	U	67	*
Magnesium - Total	1.4		0.2	U	150	*
Manganese - Total	0.03	J	0.003	UJ	164	*
Nickel - Total	0.01	U	0.01	U		
Potassium - Total	257		176		37	
Selenium - Total	0.01		0.01	U	0	
Silver - Total	0.003	U	0.003	U		
Sodium - Total	20.1	J	12.2	J	49	
Thallium - Total	0.02	U	0.02	U		
Vanadium - Total	0.01		0.01		0	
Zinc - Total	0.02		0.02	U	0	

References:

U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 -December 1996.

U.S. Environmental Protection Agency (USEPA), 1999. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review"; Office of Emergency and Remedial Response; EPA-540/R-99/008; October 1999.

U.S. Environmental Protection Agency (USEPA), 2004. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review"; Office of Superfund Remediation and Technology Innovation; EPA-540-R-04-004; October 2004.

**DATA VALIDATION SUMMARY REPORT
MARCH 2006 GROUNDWATER SAMPLES
HONEYWELL - BUFFALO OUTER HARBOR
BUFFALO, NEW YORK**

1.0 INTRODUCTION:

Data validation was completed on groundwater samples collected during sampling completed by MACTEC in March 2006. A summary of samples included in this review is presented below. Samples were analyzed by Severn Trent Laboratories (STL) in Buffalo, New York and reported in sample delivery group (SDG) A06-2581. The following U.S. Environmental Protection Agency (USEPA) SW-846 (USEPA, 1996) analytical methods were performed:

- Nitrobenzene by USEPA Method 8270C.
- Selected metals and elements by USEPA Method 6010B and 7470A.

Field Sample ID	Lab Sample ID	Date Sampled	Validation Level
GW-18R-0306	A6258103	3/9/2006	II
GW-19-0306	A6258101	3/9/2006	II
GW-21-0306	A6258105	3/9/2006	II
GW-22-0306	A6258102	3/9/2006	II
GW-22D-0306	A6258102FD	3/9/2006	II
GW-22MS-0306	A6258102MS	3/9/2006	II
GW-22MSD-0306	A6258102MSD	3/9/2006	II
GW-23-0306	A6258104	3/9/2006	II

Data validation was completed by the MACTEC project chemist using Level II procedures described for Honeywell projects. During the Level II review the following data quality indicators were reviewed:

- Case Narrative
- Sample Collection and Holding Times
- QC Blanks
- Laboratory Control Samples (LCS)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Surrogate Spikes
- Field Duplicates
- Reporting Limits
- Electronic Data Verification

Data quality reviews were completed using general procedures described in USEPA data validation guidance documents (USEPA, 1999; USEPA, 2004). Data qualifications were completed if necessary in accordance with the guidelines and professional judgment using the following qualifiers:

U = The target compound was not detected at concentrations greater than the associated quantitation limit

J = The reported concentration is considered an estimated value

A summary of final target compound results for field samples and QC blanks is provided in Attachment A.

2.0 DATA VALIDATION ACTIONS AND OBSERVATIONS

With the exception of the items discussed below, QC parameters and measurements checked during validation met requirements in the analytical method, validation guidelines, and quality control (QA) goals. Unless specified below, results are usable without qualification.

2.1 Nitrobenzene

No data quality issues were identified and results are interpreted to be usable as reported by the lab.

2.2 Metals

The MS/MSD percent recoveries were below the laboratory QC limits (75-125) for aluminum (50), iron (8/53), lead (44/70) and zinc (37) and the relative percent difference (RPD) was greater than 20 for zinc (26). Post digestion recoveries for aluminum, iron, lead and zinc were within the QC limits indicating that there were matrix effects causing possible low bias. Results for aluminum, iron, lead and zinc in all samples were qualified as estimated (J/UJ).

References:

U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 -December 1996.

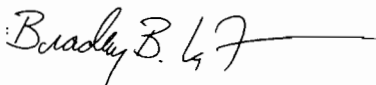
U.S. Environmental Protection Agency (USEPA), 1999. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review"; Office of Emergency and Remedial Response; EPA-540/R-99/008; October 1999.

U.S. Environmental Protection Agency (USEPA), 2004. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review"; Office of Superfund Remediation and Technology Innovation; EPA-540-R-04-004; October 2004.

Data Validator: Bradley B. LaForest, NRCC-EAC

Signature_

Reviewed by Chris Ricardi, NRCC-EAC
5/2/06



Date April 10, 2006

**DATA VALIDATION SUMMARY REPORT
JUNE 2006 GROUNDWATER SAMPLES
HONEYWELL - BUFFALO OUTER HARBOR
BUFFALO, NEW YORK**

1.0 INTRODUCTION:

Data validation was completed on groundwater samples collected during sampling completed by MACTEC in June 2006. A summary of samples included in this review is presented below. Samples were analyzed by Severn Trent Laboratories (STL) in Buffalo, New York and reported in sample delivery group (SDG) A06-6765. The following U.S. Environmental Protection Agency (USEPA) SW-846 (USEPA, 1996) analytical methods were performed:

- Nitrobenzene by USEPA Method 8270C.
- Selected metals and elements by USEPA Method 6010B and 7470A.

Field Sample ID	Lab Sample ID	Date Sampled	Validation Level
GW-18R-0606	A6676506	6/13/2006	II
GW-19-0606	A6676501	6/13/2006	II
GW-19MS-0606	A6676501MS	6/13/2006	II
GW-19MSD-0606	A6676501MSD	6/13/2006	II
GW-19D-0606	A6676502	6/13/2006	II
GW-21-0606	A6676505	6/13/2006	II
GW-22-0606	A6676504	6/13/2006	II
GW-23-0606	A6676503	6/13/2006	II

Data validation was completed by the MACTEC project chemist using Level II procedures described for Honeywell projects. During the Level II review the following data quality indicators were reviewed:

- Case Narrative
- Sample Collection and Holding Times
- QC Blanks
- Laboratory Control Samples (LCS)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Surrogate Spikes
- Field Duplicates
- Reporting Limits
- Electronic Data Verification

Data quality reviews were completed using general procedures described in USEPA data validation guidance documents (USEPA, 1999; USEPA, 2004). Data qualifications were completed if necessary in accordance with the guidelines and professional judgment using the following qualifiers:

U = The target compound was not detected at concentrations greater than the associated quantitation limit

J = The reported concentration is considered an estimated value

A summary of final target compound results for field samples and quality control (QC) blanks is provided in Attachment A.

2.0 DATA VALIDATION ACTIONS AND OBSERVATIONS

With the exception of the items discussed below, QC parameters and measurements checked during validation met requirements in the analytical method, validation guidelines, and QC goals. Unless specified below, results are usable without qualification.

2.1 Nitrobenzene

No data quality issues were identified and results are interpreted to be usable as reported by the lab.

2.2 Metals

The MS/MSD percent recoveries were above the laboratory QC limits (75-125) for aluminum (139), iron (144), magnesium (126) and manganese (129). Detections of aluminum, iron, magnesium and manganese were qualified as estimated (J).

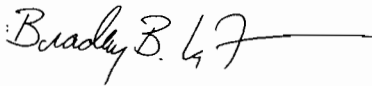
References:

U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 -December 1996.

U.S. Environmental Protection Agency (USEPA), 1999. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review"; Office of Emergency and Remedial Response; EPA-540/R-99/008; October 1999.

U.S. Environmental Protection Agency (USEPA), 2004. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review"; Office of Superfund Remediation and Technology Innovation; EPA-540-R-04-004; October 2004.

Data Validator: Bradley B. LaForest, NRCC-EAC

Signature 

Reviewed by: Wolfgang D. Calicchio, 7/5/06

Date July 5, 2006

ATTACHMENT C

DATA SUMMARY TABLES
(2003 GROUNDWATER DATA)

Table 3. Summary of Nitrobenzene Data Detected in Groundwater, Honeywell Water Harbor, Buffalo, New York

Sample Designation	NYSDEC AWQSGVs PQL UNITS				Sample Date						
					6/26/2003	7/29/2003	8/23/2003	9/25/2003	11/14/2003	12/3/2003	12/16/2003
GW-18R	Nitrobenzene	0.4	5	ug/l	4.7U	5.1U					
			0.2	ug/L			0.22	0.20U	0.20U	0.21U	0.19U
GW-19	Nitrobenzene	0.4	5	ug/l	5U	5.1U					
			0.2	ug/L			0.21	0.20U	0.20U	0.21U	0.23U
GW-21	Nitrobenzene	0.4	5	ug/l	5U	4.9U					
			0.2	ug/L			0.19U	0.21U	0.20U	0.20U	0.19U
GW-22	Nitrobenzene	0.4	5	ug/l	5U	5U					
			0.2	ug/L			0.33	0.23U	0.21U	0.21U	0.20U
GW-23	Nitrobenzene	0.4	5	ug/l	5U	4.9U					
			0.2	ug/L			0.73	0.19U	0.19U	0.11U	0.20U

Notes:

ug/l - micrograms per liter

U-Not detected; detection limits shown

NA-Not analyzed

NYSDEC AWQSGVs-New York State Department of Environmental Conservation Ambient Water-Quality Standards and Guidance Values, June 1998

PQL-Practical Quantitation Limit

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 4. Summary of Target Analyte List Metals Detected in Groundwater, Honeywell Outer Harbor, Buffalo, New York

Sample Designation:				GW-18R						
Sample Date:				6/26/2003	7/29/2003	8/23/2003	9/25/2003	11/14/2003	12/3/2003	12/16/2003
PARAMETERS	NYSDEC AWQSGVs	PQL	UNITS							
Aluminum	--	100	ug/l	3,710	15,100	38,700	14,300	15,100	20,100	11,300
Antimony	3	60	ug/l	60U	60U	60U	60U	60U	3.1U	3.2
Arsenic	25	10	ug/l	84.8	34.1	84	21.6	34.9	52.4U	33.1
Barium	1,000	20	ug/l	109	247	479	242	284	350	235
Beryllium	--	5	ug/l	5U	5U	5U	5U	5U	0.13U	0.130U
Cadmium	5	5	ug/l	5U	5U	5U	5U	5U	0.3	0.56
Calcium	--	500	ug/l	286,000	433,000	478,000	384,000	482,000	426,000	445,000
Chromium	50	10	ug/l	10U	25.9	59.3	17.9	26.4	33.4	20.2
Cobalt	--	50	ug/l	50U	50U	50U	50U	50U	13.2	7.8
Copper	200	20	ug/l	20U	46.3	69.1	23.1	23	37.4	15.6
Iron	300	100	ug/l	11,800	28,600	53,900	26,100	29,200	35,300	23,300
Lead	25	5	ug/l	26.9	150	246	87	101	121	91.7
Magnesium	--	500	ug/l	50,500	80,000	92,800	71,700	95,800	85,800	91,100
Manganese	300	10	ug/l	1,710	1,800	2,820	1,670	2,240	1,890	2,420
Mercury	0.7	0.2	ug/l	0.2U	0.21	0.5	0.51	0.2U	0.22	0.14
Nickel	100	40	ug/l	40U	40U	48.4	40U	40U	35.1	22.5
Potassium	--	2,000	ug/l	15,200	19,300	28,700	25,300	40,500	30,300	26000
Selenium	10	5	ug/l	5U	5U	5U	5U	5U	3.5U	3.46U
Silver	50	10	ug/l	10U	10U	10U	10U	10U	0.53U	0.53U
Sodium	20,000	500	ug/l	24,700	26,300	32,700	30,700	45,500	37,700	37,500
Thallium	--	10	ug/l	10U	20U	30U	10U	20U	4U	7.94U
Vanadium	--	50	ug/l	50U	50U	80.6	50U	50U	50.4	27.1
Zinc	--	20	ug/l	44.4	272	390	149	162	323	203

Notes:

ug/l - micrograms per liter

U-Not detected; detection limits shown

NA-Not analyzed

NYSDEC AWQSGVs-New York State Department of Environmental
Conservation Ambient Water-Quality Standards and Guidance Values, June 1998

PQL-Practical Quantitation Limit

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

-- Not available

Table 4. Summary of Target Analyte List Metals Detected in Groundwater, Honeywell Outer Harbor, Buffalo, New York

Sample Designation:				GW-19						
Sample Date:				6/26/2003	7/29/2003	8/23/2003	9/25/2003	11/14/2003	12/3/2003	12/16/2003
PARAMETERS	NYSDEC AWQSGVs	PQL	UNITS							
Aluminum	--	100	ug/l	2,960	860	3,310	1190	1,460	1,390	1,960
Antimony	3	60	ug/l	60U	60U	60U	60U	60U	3.1U	3.07U
Arsenic	25	10	ug/l	10U	68.8	10U	34	54.6	4.6	3.2
Barium	1,000	20	ug/l	29.1	24.5	32.2	20U	21.2	34.6	30
Beryllium	--	5	ug/l	5U	5U	5U	5U	5U	0.13U	0.130U
Cadmium	5	5	ug/l	5U	5U	5U	5U	5U	0.15U	0.17
Calcium	--	500	ug/l	52,900	25,900	63,500	23600	24,200	104,000	81,900
Chromium	50	10	ug/l	56.1	16.4	59.6	10U	62	47.2	59.9
Cobalt	--	50	ug/l	50U	50U	50U	50U	50U	1.2	0.640U
Copper	200	20	ug/l	20U	135	20U	59.9	46.1	5.6	2.28U
Iron	300	100	ug/l	100U	407	122	427	608	136	312
Lead	25	5	ug/l	5U	26.1	5U	13.2	16.6	1.5	1.5
Magnesium	--	500	ug/l	500U	500U	500U	500U	500U	157	383
Manganese	300	10	ug/l	10U	12.4	10U	11	17.9	3.3	8.3
Mercury	0.7	0.2	ug/l	0.2U	1.3	0.2U	0.68	0.95	0.03U	0.06
Nickel	100	40	ug/l	40U	40U	40U	40U	40U	1.1	2
Potassium	--	2,000	ug/l	540,000	1,110,000	427,000	825000	938,000	191,000	328,000
Selenium	10	5	ug/l	19.2	32.6	16.8	27	28.8	15.3	13.6
Silver	50	10	ug/l	10U	10U	10U	10U	10U	0.53U	0.530U
Sodium	20,000	500	ug/l	37,100	84,100	29,500	60,900	73,700	12,600	21,700
Thallium	--	10	ug/l	10U	10U	10U	10U	20U	4.0U	3.97U
Vanadium	--	50	ug/l	50U	103	50U	70.9	67.5	14.1	18.4
Zinc	--	20	ug/l	20U	77.1	20U	20U	20U	3.7	7

Notes:

ug/l - micrograms per liter

U-Not detected; detection limits shown

NA-Not analyzed

NYSDEC AWQSGVs-New York State Department of Environmental
Conservation Ambient Water-Quality Standards and Guidance Values, June 1998

PQL-Practical Quantitation Limit

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

-- Not available

Table 4. Summary of Target Analyte List Metals Detected in Groundwater, Honeywell Outer Harbor, Buffalo, New York

Sample Designation:				GW-21						
Sample Date:				6/26/2003	7/29/2003	8/23/2003	9/25/2003	11/14/2003	12/3/2003	12/16/2003
PARAMETERS	NYSDEC AWQSGVs	PQL	UNITS							
Aluminum	--	100	ug/l	100U	100U	100U	100U	100U	48	43.1
Antimony	3	60	ug/l	60U	60U	60U	60U	60U	3.1U	3.07U
Arsenic	25	10	ug/l	10U	10U	10U	10U	10U	5.8	2.49U
Barium	1,000	20	ug/l	51.8	55.4	51.9	51.2	53.4	49.8	55.5
Beryllium	--	5	ug/l	5U	5U	5U	5U	5U	0.13U	0.13U
Cadmium	5	5	ug/l	5U	5U	5U	5U	5U	0.15U	0.15U
Calcium	--	500	ug/l	43,600	4,720	47,100	48,000	53,500	50,600	49,900
Chromium	50	10	ug/l	10U	10U	10U	10U	10U	0.21U	1.1
Cobalt	--	50	ug/l	50U	50U	50U	50U	50U	0.83	0.64U
Copper	200	20	ug/l	20U	20U	20U	20U	20U	4	2.28U
Iron	300	100	ug/l	100U	149	135	100U	127	44	28.4
Lead	25	5	ug/l	5U	5U	5U	5U	5U	1.3U	1.8
Magnesium	--	500	ug/l	7,740	4,190	3,320	3,630	2,110	2,740	5,650
Manganese	300	10	ug/l	10U	10U	10U	10U	10U	2	2.8
Mercury	0.7	0.2	ug/l	0.2U	0.2U	0.2U	0.2U	0.2U	0.03U	0.04
Nickel	100	40	ug/l	40U	40U	40U	40U	40U	1.1U	1.15U
Potassium	--	2,000	ug/l	20,700	27,400	22,000	23,900	21,800	19,400	21,100
Selenium	10	5	ug/l	5U	5U	5U	5U	5U	3.5U	3.46U
Silver	50	10	ug/l	10U	10U	10U	10U	10U	0.53U	0.53U
Sodium	20,000	500	ug/l	13,100	15,200	14,300	15,700	14,300	12,700	14,000
Thallium	--	10	ug/l	10U	10U	10U	10U	20U	4.0U	3.97U
Vanadium	--	50	ug/l	50U	50U	50U	50U	50U	2.8	2.7
Zinc	--	20	ug/l	20U	83.1	20U	20U	20U	3.5	3.2

Notes:

ug/l - micrograms per liter

U-Not detected; detection limits shown

NA-Not analyzed

NYSDEC AWQSGVs-New York State Department of Environmental
Conservation Ambient Water-Quality Standards and Guidance Values, June 1998
PQL-Practical Quantitation Limit

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

-- Not available

Table 4. Summary of Target Analyte List Metals Detected in Groundwater, Honeywell Outer Harbor, Buffalo, New York

Sample Designation:				GW-22						
Sample Date:				6/26/2003	7/29/2003	8/23/2003	9/25/2003	11/14/2003	12/3/2003	12/16/2003
PARAMETERS	NYSDEC AWQSGVs	PQL	UNITS							
Aluminum	--	100	ug/l	550	18000	86,500	467	2,040	1,380	1,420
Antimony	3	60	ug/l	60U	60U	79.4	60U	60U	4.2	7.7
Arsenic	25	10	ug/l	10U	13.3	44.3	10U	10U	4.6	2.49U
Barium	1,000	20	ug/l	50.5	254	878	85.1	90.9	86.4	94.2
Beryllium	--	5	ug/l	5U	5U	5U	5U	5U	0.13U	0.130U
Cadmium	5	5	ug/l	5U	5U	5U	5U	5U	1.7	2.1
Calcium	--	500	ug/l	269,000	312,000	658,000	307,000	379,000	364,000	370,000
Chromium	50	10	ug/l	10U	36.4	165	10U	10U	3.9	5.7
Cobalt	--	50	ug/l	50U	50U	50U	50U	50U	4	2.3
Copper	200	20	ug/l	20.2	114	411	20U	32.2	26.6	17.3
Iron	300	100	ug/l	4,010	28,900	120,000	5,920	16,000	16,200	17,300
Lead	25	5	ug/l	9.6	325	1260	13.9	37.2	26.2	27.9
Magnesium	--	500	ug/l	81,900	109,000	201,000	90,400	126,000	111,000	111,000
Manganese	300	10	ug/l	1,150	1,660	4,270	1,210	1,270	1,220	1,240
Mercury	0.7	0.2	ug/l	0.2U	0.68	2.1	0.2U	0.2U	0.03	0.07
Nickel	100	40	ug/l	40U	40U	115	40U	40U	17.9	17.7
Potassium	--	2,000	ug/l	16,500	21,400	42,200	21,300	21,800	23,400	28,100
Selenium	10	5	ug/l	5U	5U	5U	5U	5U	3.5U	3.46U
Silver	50	10	ug/l	10U	10U	10U	10U	10U	0.53U	0.53U
Sodium	20,000	500	ug/l	30,700	37,000	49,200	33,200	66,000	53,700	51,200
Thallium	--	10	ug/l	10U	20U	50U	10U	20U	4.0U	3.97U
Vanadium	--	50	ug/l	50U	50U	169	50U	50U	4.2	4.1
Zinc	--	20	ug/l	20U	358	1170	20U	35.7	28.3	32

Notes:

ug/l - micrograms per liter

U-Not detected; detection limits shown

NA-Not analyzed

NYSDEC AWQSGVs-New York State Department of Environmental
Conservation Ambient Water-Quality Standards and Guidance Values, June 1998

PQL-Practical Quantitation Limit

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-- Not available

Table 4. Summary of Target Analyte List Metals Detected in Groundwater, Honeywell Outer Harbor, Buffalo, New York

Sample Designation:				GW-23						
Sample Date:				6/26/2003	7/29/2003	8/23/2003	9/25/2003	11/14/2003	12/3/2003	12/16/2003
PARAMETERS	NYSDEC AWQSGVs	PQL	UNITS							
Aluminum	--	100	ug/l	100U	197	532	661	178	55	312
Antimony	3	60	ug/l	60U	60U	60U	60U	78.9	14.7	25.4
Arsenic	25	10	ug/l	10U	10U	10.5	10U	10.4	8.2	4.9
Barium	1,000	20	ug/l	93	120	343	370	345	260	220
Beryllium	--	5	ug/l	5U	5U	5U	5U	5U	0.13U	0.130U
Cadmium	5	5	ug/l	5U	5U	5U	5U	5U	1.4	0.75
Calcium	--	500	ug/l	266,000	301,000	254,000	187,000	272,000	325,000	284,000
Chromium	50	10	ug/l	10U	10U	10U	10U	10U	0.92	3.6
Cobalt	--	50	ug/l	50U	50U	50U	50U	50U	5.3	1.9
Copper	200	20	ug/l	20U	20U	21.5	20U	20U	11.3	2.28
Iron	300	100	ug/l	897	3,940	7,900	6270	3,470	11,900	5,600
Lead	25	5	ug/l	5U	6.1	15.9	17.1	10	19	11.2
Magnesium	--	500	ug/l	49,800	65,400	82,500	102,000	97,300	64,600	75,800
Manganese	300	10	ug/l	706	1,200	720	451	864	1,500	918
Mercury	0.7	0.2	ug/l	0.2U	0.2U	0.2U	0.2U	0.2U	0.03U	0.04
Nickel	100	40	ug/l	40U	40U	40U	40U	40U	16.5	10.2
Potassium	--	2,000	ug/l	9,810	15,100	32,500	20,700	49,300	69,200	45,600
Selenium	10	5	ug/l	5U	5U	5U	5U	5U	3.5U	3.46U
Silver	50	10	ug/l	10U	10U	10U	10U	10U	0.53U	0.53U
Sodium	20,000	500	ug/l	17,100	24,900	58,000	83,900	80,600	49,700	48,100
Thallium	--	10	ug/l	10U	10U	10U	10U	20U	4.0U	3.97U
Vanadium	--	50	ug/l	50U	50U	50U	50U	50U	1.7	1.9
Zinc	--	20	ug/l	20U	28.8	23.7	20U	20U	11.2	6.7

Notes:

ug/l - micrograms per liter

U-Not detected; detection limits shown

NA-Not analyzed

NYSDEC AWQSGVs-New York State Department of Environmental
Conservation Ambient Water-Quality Standards and Guidance Values, June 1998

PQL-Practical Quantitation Limit

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-- Not available