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November 9, 2009

Mr. Lawrence J. Alden, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

**Subject: Results of May & August 2009 Water Quality Monitoring Program
Ward Products Site, 61 Edson Street, Amsterdam, NY
NYSDEC Site ID #429004**

Dear Mr. Alden,

This letter provides a summary of the results from the groundwater quality samples collected from the Ward Products Site (the Site) in May 2009 and August 2009.

On May 19, 20 and 21, 2009, groundwater quality samples were collected by AECOM Environment from 20 of the 22 monitoring wells installed at or around the Site. Samples from wells MW-3 and MW-11 are only collected in odd years during the August sampling round. Water quality samples were also collected from the former water supply wells FGI-1 and FGI-2 located on the Fiber Glass Industries (FGI) property east of the Site.

On August 11, 12 and 13, 2009, groundwater quality samples were collected by AECOM Environment from all of the 22 monitoring wells installed at or around the Site. Samples were also collected from the former water supply well FGI-1. During the August field event, FGI-2 could not be located due to construction activities at the FGI plant. After conferring with FGI management, well FGI-2 was located and subsequently sampled on September 29, 2009.

Results for the primary constituents of interest are summarized on Table 1. The methods used to collect the samples and the sampling results are discussed in the following sections.

1.0 Measurement of Groundwater Levels

Prior to sampling the wells, depth to groundwater was measured using a water level indicator. The depth to groundwater and the elevation of groundwater in each of the wells for the May and August sampling events are summarized in Tables 2 and 3, respectively. Elevation contours of the bedrock aquifer based on May and August measurements are shown in Figures 1 and 2, respectively.

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2.0 Water Quality Sampling

All wells (except FGI-1 and FGI-2) were purged and sampled with a submersible pump using methods specified by the USEPA for low flow/low stress sampling [USEPA, 1996]. FGI-1 and FGI-2 were sampled with bailers (as consistent with previous events).

For each well, the intake of the pump was lowered to the middle of the screened interval and water was then pumped at a low flow rate to match the well infiltration rate, with a maximum flow rate of 0.5 liters per minute. Purge water was pumped through an in-line water quality meter to establish that stabilization of the groundwater had occurred prior to sample collection. Water readings were documented approximately every five minutes. Stabilization parameters included pH, specific conductivity, temperature, dissolved oxygen (DO), and oxidation reduction potential (ORP). The specific conductivity recorded on the field sheets is in milliohms/cm and was converted to uohms/cm for Tables 2 and 3.

All samples from the May and August sampling events were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B. Twelve of the samples collected from wells in May 2009 were analyzed for chromium (hexavalent and total), and samples from both FGI wells were also analyzed for dissolved chromium. Fourteen of the samples collected from wells in August 2009 were analyzed for chromium (hexavalent and total).

During the May 2009 sampling event, a duplicate sample (DUP) was collected from monitoring well FGI 1 for quality assurance/quality control (QA/QC). In the August sampling event, a duplicate sample was collected from monitoring well MW-17. Trip blanks were also submitted during both sampling events for analysis of VOCs.

3.0 Water Quality Results

A summary of the May 2009 and August 2009 concentrations of trichloroethylene (TCE) and total and hexavalent chromium (the primary constituents of concern) are provided in Table 1. Field water quality data are summarized in Tables 2 and 3. The results of laboratory analyses (over time) are summarized in Table 4. The Form 1 laboratory data sheets for the August event are also attached (the May lab reports were submitted to NYSDEC on July 20, 2009). TCE isoconcentration contours of the bedrock aquifer based on May and August measurements are shown in Figures 3 and 4, respectively.

3.1 Volatile Organic Compounds

May 2009

VOCs were detected in 18 of the 22 wells sampled. TCE continues to be the predominant VOC detected in the groundwater both on- and off-site. Acetone, cis-1,2-dichloroethene, methylene chloride and 1,1,2-trichloro-1,2,2-trifluoroethane were detected infrequently and at low concentrations.

The highest TCE concentrations continue to be detected in the on-site monitoring wells. The highest concentration of TCE during this sampling event (45,000 µg/L) was detected in the sample

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collected from monitoring well MW-4R. On-site concentrations at MW-1, MW-1R, MW-4, and MW-5 have decreased from the previous sampling events.

TCE was detected in five of the off-site down gradient monitoring wells (MW-12, MW-13, MW-17, MW 18, and MW-19) at concentrations greater than the New York State Department of Environmental Conservation (NYSDEC) Groundwater Quality Standard (GQS) of 5 µg/L. Well MW-19 had a TCE concentration of 14 µg/L from the May event, but had previously been non-detect and was non-detect in the August 2009 event.

TCE was not detected in down gradient wells MW-14, MW-15, and MW-20 or in samples from the FGI-1 and FGI-2 former water supply wells.

August 2009

VOCs were detected in 18 of the 24 wells sampled. TCE continues to be the predominant VOC detected in the groundwater both on and off-site. Acetone, 1,1,2-trichloro-1,2,2-trifluoroethane, carbon tetrachloride, cis-1,2-dichloroethene, and tetrachloroethene were detected infrequently and at low concentrations. Methylene chloride was detected in a number of the samples but it was also detected in the associated method blank, and methylene chloride is a common lab contaminant.

The highest TCE concentrations continue to be detected in the on-site monitoring wells. The highest concentration of TCE during this sampling event (10,000 µg/L) was detected in the sample collected from monitoring well MW-4R. On-site concentrations at MW-2, MW-4R, MW-6, MW-7, MW-8, MW-9, and MW-10 have decreased from the previous sampling events.

TCE was detected in four of the off-site down gradient monitoring wells (MW-12, MW-13, MW-17, and MW-18) at concentrations greater than the NYSDEC GQS of 5 µg/L.

TCE was not detected in off-site down gradient wells MW-16 and MW-19, which had concentrations of 3.3 µg/L and 14 µg/L, respectively, during the last sampling round. In the August event, TCE was also not detected in down gradient wells MW-14, MW-15, MW-16, MW-19, and MW-20 or in samples from the FGI-1 and FGI-2 former water supply wells.

3.2 Chromium

May 2009

Hexavalent and total chromium were tested for in 12 of the wells. Hexavalent chromium was detected at a concentration greater than the NYSDEC GQS of 0.05 mg/L in wells MW-1R and MW-6. The concentration of hexavalent chromium at both MW-1R and MW-6 was 0.06 mg/L during this event.

Total chromium was detected at a concentration greater than the NYSDEC GQS of 0.05 mg/L in samples from MW 1R, MW-1, and MW-6. Total chromium concentrations at MW-1R, MW-1, and MW-6 were 0.0557 mg/L, 0.14 mg/L and 0.0546 mg/L, respectively.

Chromium (hexavalent and total) was not detected in any of the off-site wells at concentrations above the NYSDEC GQS.

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August 2009

Hexavalent and total chromium were tested for in 14 of the wells. Hexavalent chromium was detected at a concentration greater than the NYSDEC GQS in a single well (MW-1R) at a concentration of 0.11 mg/L.

Total chromium was detected at a concentration greater than the NYSDEC GQS in a single well (MW-1R) at a concentration of 0.122 mg/L.

Chromium (hexavalent and total) was not detected in any of the off-site wells at concentrations above the NYSDEC GQS.

4.0 Conclusions

TCE continues to be detected in the monitoring wells located both on and off-site at concentrations that exceed the NYSDEC GQS. Based on the 2009 TCE concentration contours in Figures 3 and 4 and the historic data in Table 4, the TCE plume appears to be stable and not increasing in size.

In June 2009, AECOM performed the first in situ chemical oxidation (ISCO) injection in four wells at the site (locations shown on the figures). The TCE data from the August event, approximately 2 months after the ISCO event, appears to show decreasing TCE concentrations in the immediate area of the injection wells from the May to the August event, as seen in the following wells: MW-4R (45,000 µg/L to 10,000 µg/L), MW-6 (6,400 µg/L to 4,000 µg/L), MW-7 (1,700 µg/L to 390 µg/L), and MW-10 (5,900 µg/L to 3,400 µg/L). While these trends are preliminary, they appear to indicate that the ISCO injections are having some effect on on-site TCE concentrations.

Minor changes from previous concentrations of hexavalent and total chromium were detected in these rounds of sampling. We believe, however, that no action is required at this time, because of the small area involved on-site, and no conclusion should be drawn based on the limited information available about these anomalies at this time.

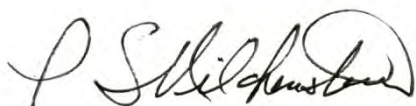
5.0 Recommendations

AECOM recommends that groundwater monitoring continue per the approved program in May 2010. We will also be submitting a request under separate cover to remove the two former production wells on the FGI property (FGI-1 and FGI-2) from the groundwater monitoring program and to permanently close them. TCE concentrations in these two wells have been non-detect from the recent sampling events (Table 4). Given these data trends and the discontinuation of use of these wells by FGI, AECOM proposes to remove these wells from the groundwater monitoring program.

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If you have any questions regarding this letter, please feel free to contact me at 603.228.5312 or by e-mail at paul.kilchenstein@aecom.com.

Yours sincerely,



Paul S. Kilchenstein
Project Manager

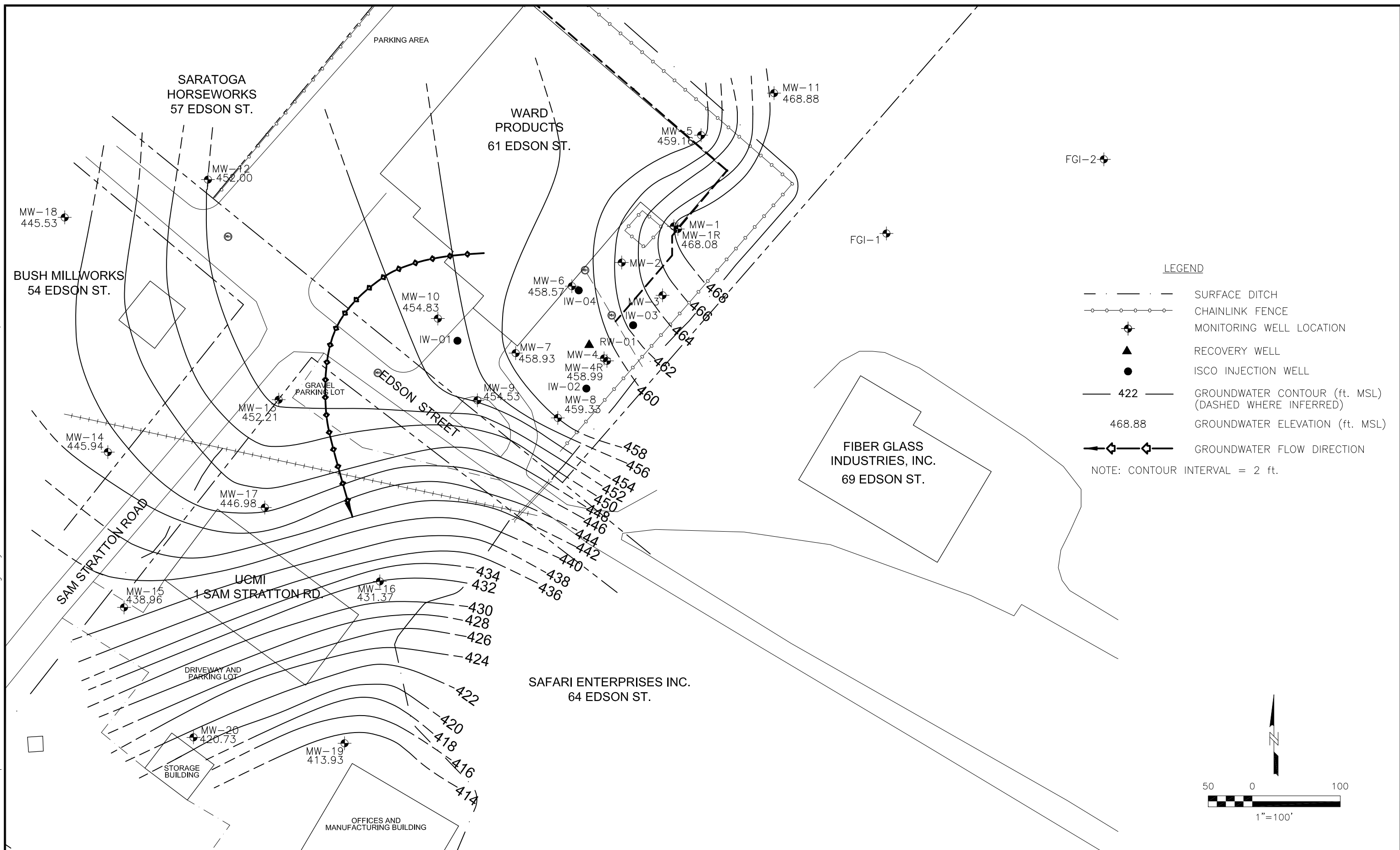
Attachments: Figure 1 – Bedrock Groundwater Elevations May 2009
Figure 2 – Bedrock Groundwater Elevations August 2009
Figure 3 – Bedrock TCE Concentrations May 2009
Figure 4 – Bedrock TCE Concentrations August 2009
Table 1 – Summary of Primary Constituents
Table 2 – Summary of Field Measurements May 2009
Table 3 – Summary of Field Measurements August 2009
Table 4 – Summary of Relevant Analytical Results
August 2009 Laboratory Results *(The original of this letter has an attached CD with the ASP Category B data package)*

cc: G. Litwin – NYSDOH
M. Lesser, Esq. – NYSDEC
B. Bush - Bush Millworks
S. Chapman – UCMI
R. Conway, Jr., Esq. - Schenck, Price, Smith & King
Y. Farhan – EMGI
M. Libertucci - Saratoga Horseworks
C. Brannon – FGI
B. Littleton - New Water Realty
F. Valiante – AIDA
J. Atkins – AECOM
File: 12518-002

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Figures

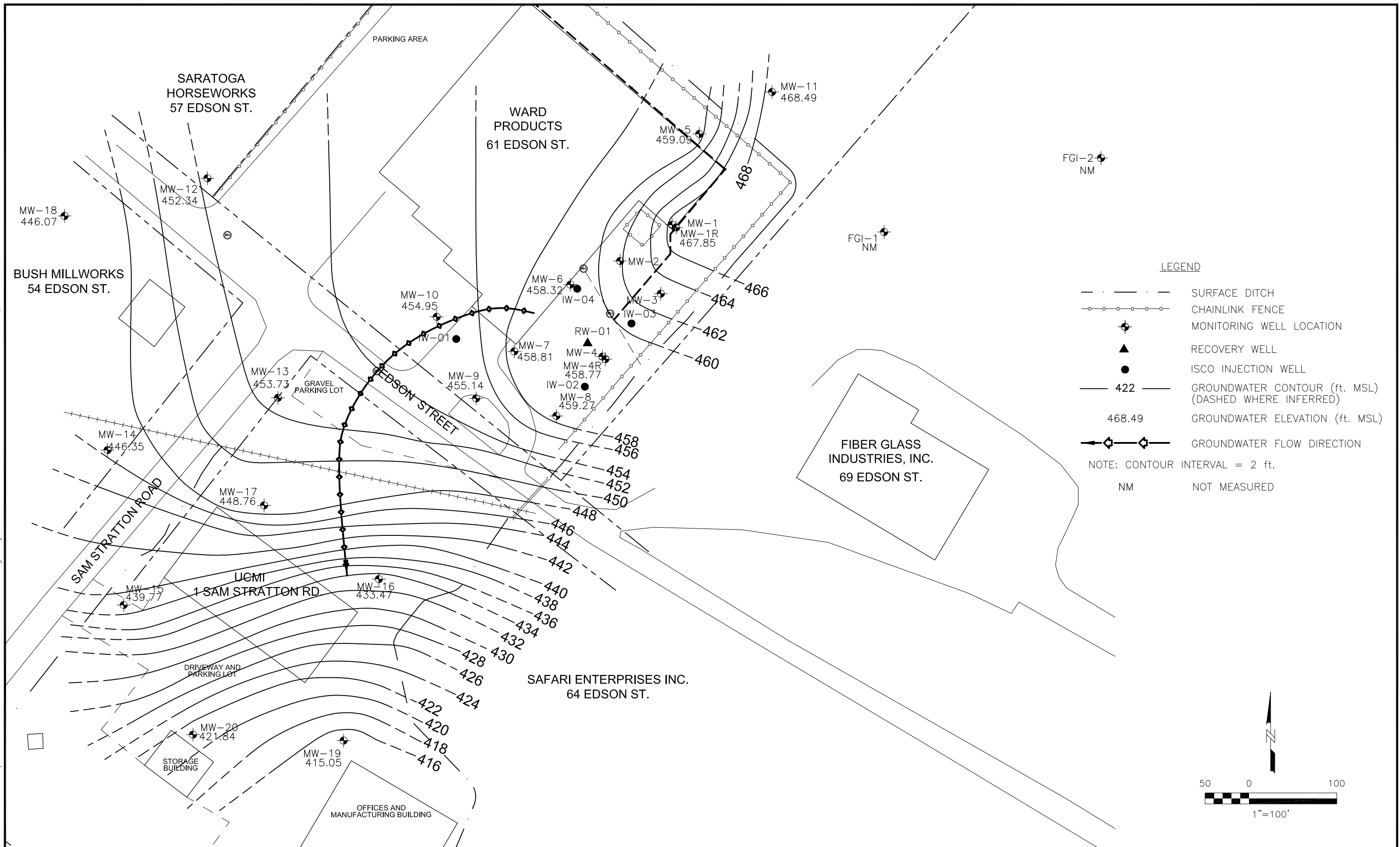
File: F:\12518_002_Ward Products\FIGURE 1_BEDROCK CONTOURS.MAY 2009.dwg Layout: ANSL_BVI-LJ User: SilvermanD Plotted: Nov 10, 2009 - 8:18am Xref's:



- NOTES:
- MW-1, MW-2, MW-3 AND MW-4 ARE OVERBURDEN WELLS AND ARE NOT USED TO CONTOUR.
 - FGI-1 AND FGI-2 ARE DEEP BEDROCK WELLS AND ARE NOT USED TO CONTOUR.

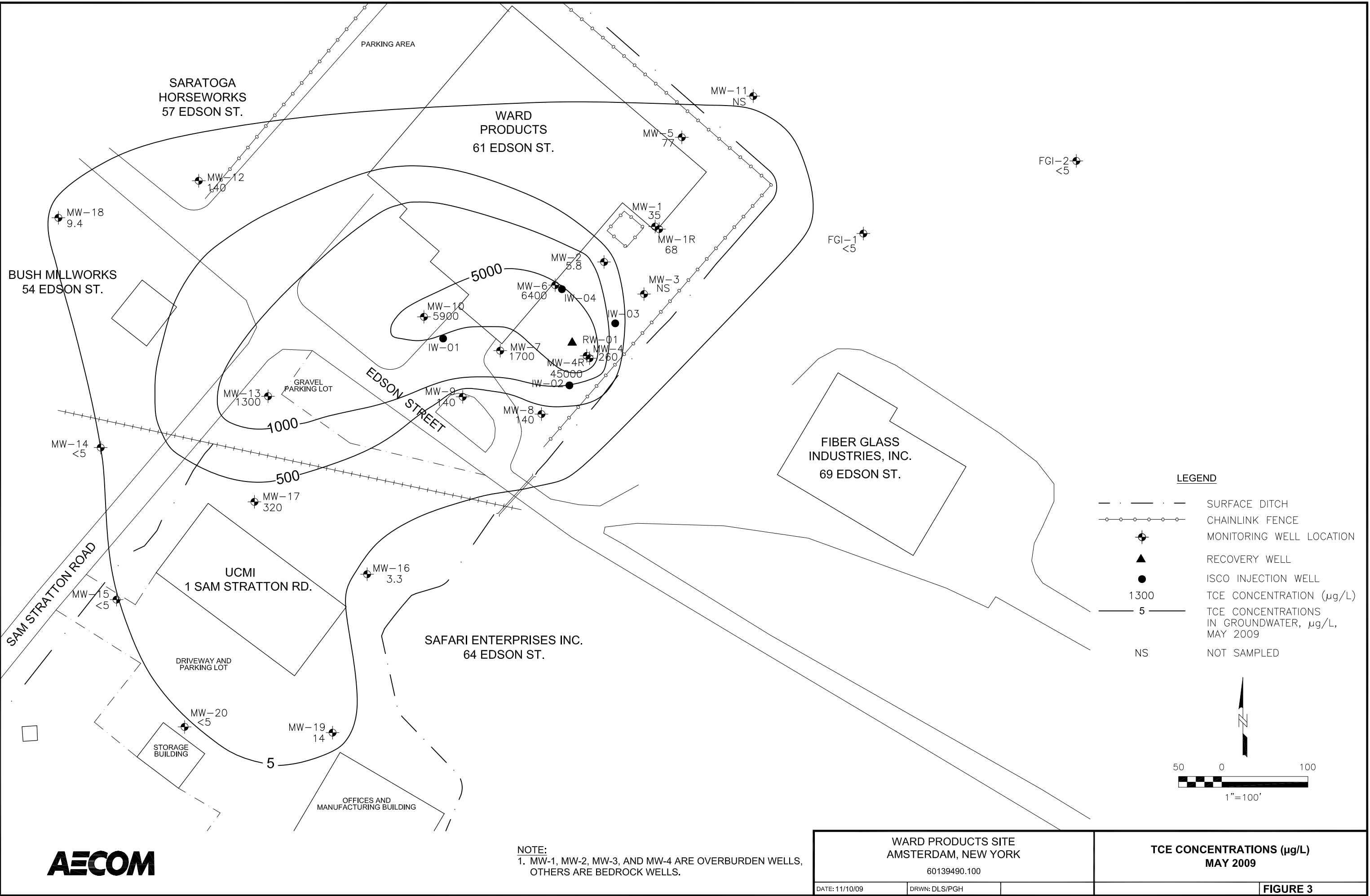
WARD PRODUCTS SITE AMSTERDAM, NEW YORK 60139490.100			BEDROCK GROUNDWATER ELEVATIONS MAY 2009	
DATE: 11/10/09	DRWN: DLS/PGH		FIGURE 1	

File: F:\12518_002_Ward Products\FIGURE 2_BEDROCK CONTOURS_AUGUST 2009.dwg Layout: ANSL_BW-LU User: SilvermanD Plotted: Nov 10, 2009 - 8:17am Xref's:

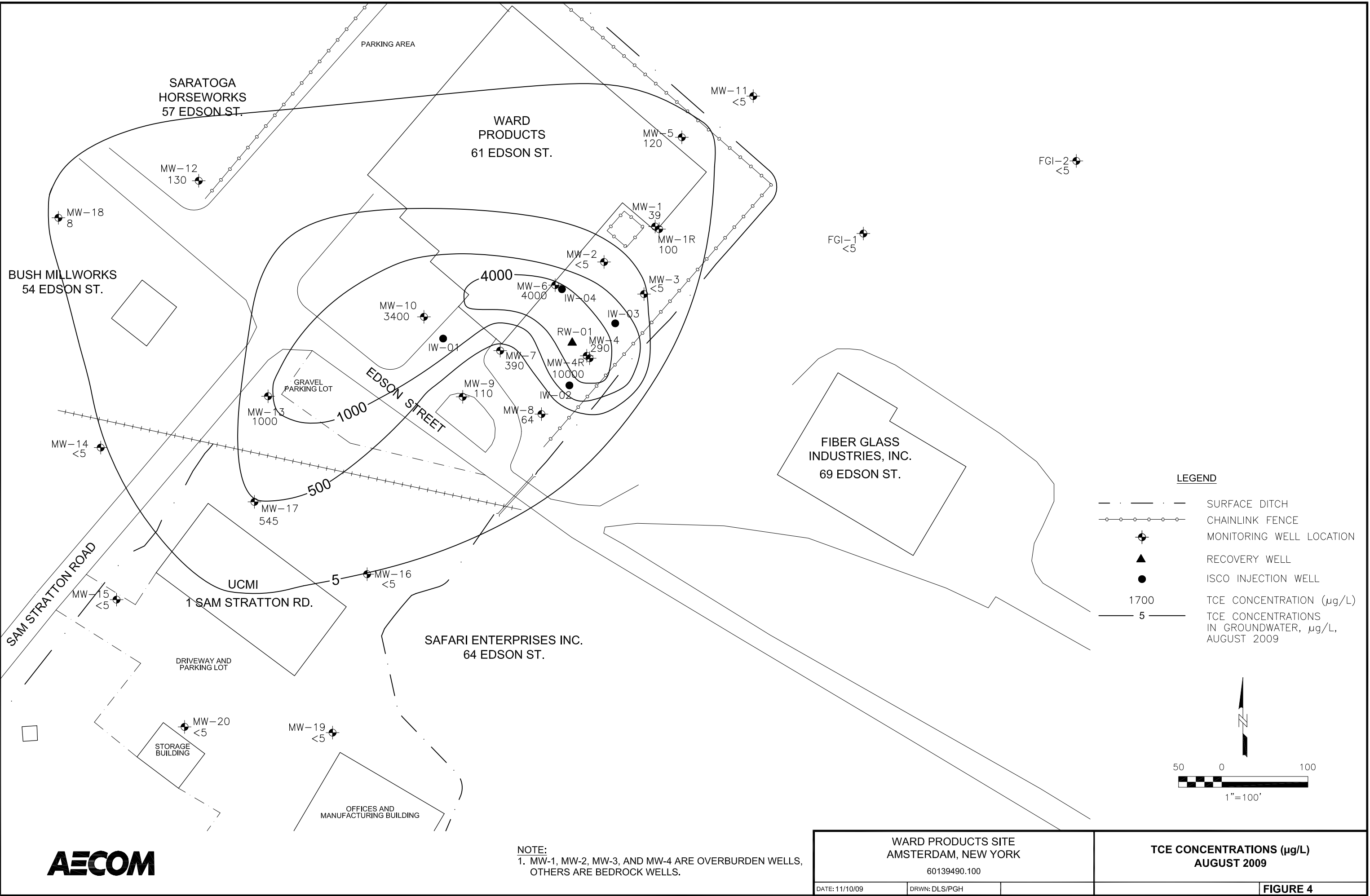


WARD PRODUCTS SITE AMSTERDAM, NEW YORK 60139490.100			BEDROCK GROUNDWATER ELEVATIONS AUGUST 2009	
DATE: 11/10/09	DRWN: DLS/PGH		FIGURE 2	

File: F:\12518_002_Ward_Products\FIGURE 3_TCE_MAY 2009.dwg Layout: ANSL_BVI-LU User: SilvermanD Plotted: Nov 10, 2009 - 8:18am Xref's:



File: F:\12518_002_Ward_Products\FIGURE 4_TCE_AUGUST 2009.dwg Layout: ANSL_BVI-LJ User: SilvermanD Plotted: Nov 10, 2009 - 8:28am Xref's:



Tables

Table 1
Summary of Primary Constituents
 61 Edson Street, Amsterdam, NY
 NYSDEC Site #4-029-004

Sampling Date: **May 19-21, 2009**

Well Number	Trichloroethene ug/L	Total Chromium mg/L	Hexavalent Chromium mg/L
NYSDEC GQS	5	0.05	0.05
MW-1	35	0.14	0.02
MW-1R	68	0.0557	0.06
MW-2	5.8	0.0138	<0.02
MW-3	NS	NS	NS
MW-4	260	0.029	0.03
MW-4R	45000	0.0276	0.05
MW-5	77	NS	NS
MW-6	6400	0.0546	0.06
MW-7	1700	0.0266	<0.02
MW-8	140	NS	NS
MW-9	140	<0.0052	<0.02
MW-10	5900	0.0095	<0.02
MW-11	NS	NS	NS
MW-12	140	NS	NS
MW-13	1300	0.0074	<0.02
MW-14	<5	NS	NS
MW-15	<5	NS	NS
MW-16	3.3 J	NS	NS
MW-17	320	NS	NS
MW-18	9.4	NS	NS
MW-19	14	NS	NS
MW-20	<5	NS	NS
FGI-1*	<5	<0.0052	<0.02
FGI-2	<5	<0.0052	<0.02

Sampling Date: **August 11-13, 2009**

Well Number	Trichloroethene ug/L	Total Chromium mg/L	Hexavalent Chromium mg/L
NYSDEC GQS	5	0.05	0.05
MW-1	39	0.0145	<0.02
MW-1R	100	0.122	0.11
MW-2	<5	0.007	<0.02
MW-3	<5	<0.0052	<0.02
MW-4	290	0.0296	0.03
MW-4R	10000	0.0341	0.02
MW-5	120	NS	NS
MW-6	4000	0.0475	0.05
MW-7	390	0.0242	0.03
MW-8	64	NS	NS
MW-9	110	<0.0052	<0.02
MW-10	3400	<0.0052	<0.02
MW-11	<5	<0.0052	<0.02
MW-12	130	NS	NS
MW-13	1000	0.0199	<0.02
MW-14	<5	NS	NS
MW-15	<5	NS	NS
MW-16	<5	<0.0052	<0.02
MW-17*	545	<0.0052	<0.02
MW-18	8	NS	NS
MW-19	<5	NS	NS
MW-20	<5	NS	NS
FGI-1	<5	NS	NS
FGI-2**	<5	NS	NS

Notes:

NS - Not Sampled

BOLD values are greater than NYSDEC Groundwater Quality Standards

NYSDEC GQS - New York State Department of Environmental Conservation Groundwater Quality Standard

* Average of primary and duplicate sample results.

** FGI-2 was inaccessible in August 2009 and was sampled on September 29, 2009.

Table 2
Summary of Field Measurements from May 2009
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

Sampling Date: May 19 & 20, 2009

Monitoring Well	Top of Casing Elevation (Ft)	Depth to Water (Ft)	Water Elevation (Ft)	pH (SU)	Conductivity (uohms/cm)	Temperature (C)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)
MW-1	471.55	2.88	468.67	7.04	0.456	12.10	2.69	5.41	162.1
MW-1R	471.46	3.38	468.08	7.06	0.543	11.26	2.76	19.1	165.1
MW-2	471.20	4.19	467.01	7.43	0.335	12.87	0.69	49.3	18.7
MW-3	473.03	4.21	468.82	NS	NS	NS	NS	NS	NS
MW-4	470.17	5.51	464.66	7.42	0.450	10.49	6.40	7.79	128.0
MW-4R	470.29	11.30	458.99	7.30	1.205	11.64	2.01	1.63	88.8
MW-5	475.62	16.46	459.16	7.38	0.563	13.05	9.36	2.43	56.7
MW-6	470.97	12.40	458.57	7.29	0.996	12.50	1.41	6.16	47.2
MW-7	469.14	10.21	458.93	7.26	0.871	12.65	2.29	1.77	111.1
MW-8	467.38	8.05	459.33	7.05	1.780	10.45	2.31	2.89	180.6
MW-9	465.43	10.90	454.53	7.14	1.409	12.49	0.28	4.16	10.4
MW-10	466.77	11.94	454.83	7.15	1.019	12.57	0.48	2.50	79.8
MW-11	485.37	16.49	468.88	NS	NS	NS	NS	NS	NS
MW-12	468.18	16.18	452.00	7.16	0.631	11.57	1.73	4.32	71.2
MW-13	462.12	9.91	452.21	7.07	0.736	13.49	0.91	38.4	115.4
MW-14	453.66	7.72	445.94	7.82	0.703	11.49	4.01	3.24	86.3
MW-15	445.20	6.24	438.96	7.14	0.721	13.20	0.15	9.30	-50.1
MW-16	449.50	18.13	431.37	7.32	0.276	11.24	2.96	92.1	108.6
MW-17	450.84	3.86	446.98	7.08	0.416	14.55	0.33	6.68	86.0
MW-18	463.76	18.23	445.53	7.24	0.648	11.65	0.76	22.7	-5.0
MW-19	441.64	27.71	413.93	7.39	0.861	12.09	5.29	27.5	126.8
MW-20	442.38	21.65	420.73	7.22	2.069	12.37	0.41	42.2	43.0
FGI-1	481.72	24.51	457.21	NM	NM	NM	NM	NM	NM
FGI-2	484.86	29.13	455.73	NM	NM	NM	NM	NM	NM

Notes:

NM - Not Measured

NS - Not Sampled

Table 3
Summary of Field Measurements from August 2009 Sampling
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

Sampling Date: August 11-13, 2009

Monitoring Well	Top of Casing Elevation (Ft)	Depth to Water (Ft)	Water Elevation (Ft)	pH (SU)	Conductivity (uohms/cm)	Temperature (C)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)
MW-1	471.55	3.11	468.44	6.99	0.611	20.42	0.37	0.88	-51.1
MW-1R	471.46	3.61	467.85	7.12	0.577	20.08	0.95	4.01	124
MW-2	471.20	3.51	467.69	6.82	0.262	19.01	0.14	36.0	-53.8
MW-3	473.03	4.61	468.42	7.12	0.579	16.27	0.47	22.1	-99
MW-4	470.17	5.59	464.58	7.20	0.479	16.87	4.96	2.23	8.9
MW-4R	470.29	11.52	458.77	7.19	1.214	12.02	2.07	3.28	9.0
MW-5	475.62	16.53	459.09	7.38	0.527	20.87	3.44	9.7	151.7
MW-6	470.97	12.65	458.32	7.12	0.999	12.79	0.61	11.4	359
MW-7	469.14	10.33	458.81	7.05	1.100	12.68	3.73	0.21	48.6
MW-8	467.38	8.11	459.27	7.08	1.534	12.58	1.80	0.94	51.9
MW-9	465.43	10.29	455.14	7.15	1.429	13.11	1.08	3.38	0.573
MW-10	466.77	11.82	454.95	7.17	0.996	14.08	1.19	2.24	-4.6
MW-11	485.37	16.88	468.49	7.30	0.443	13.54	1.10	9.74	150
MW-12	468.18	15.84	452.34	7.17	0.692	13.34	1.64	3.89	2.9
MW-13	462.12	8.39	453.73	7.13	0.745	17.11	1.76	42.9	3.71
MW-14	453.66	7.31	446.35	7.61	0.721	13.44	3.19	3.12	71.5
MW-15	445.20	5.43	439.77	7.18	0.943	15.01	1.03	14.1	-140
MW-16	449.50	16.03	433.47	7.25	0.320	11.72	1.75	16.1	22.9
MW-17	450.84	2.08	448.76	7.02	0.685	13.78	0.86	5.87	-12.3
MW-18	463.76	17.69	446.07	7.25	0.477	11.96	2.19	7.63	3.6
MW-19	441.64	26.59	415.05	7.02	0.912	15.88	2.28	12.8	287
MW-20	442.38	20.54	421.84	7.36	0.680	13.88	0.50	155	204
FGI-1	481.72	NM	NM	NM	NM	NM	NM	NM	NM
FGI-2 *	484.86	NM	NM	NM	NM	NM	NM	NM	NM

Notes:

NM - Not Measured

NS - Not Sampled

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

	MW-1																												NYSDEC	
METALS (mg/L)	8/22/96	5/22/97	9/5/97	11/3/97	5/8/98	8/26/98	11/17/98	5/24/99	8/24/99	11/15/99	5/23/00	8/23/00	5/22/01	8/29/01	6/17/02	9/16/02	9/10/03	5/19/04	8/18/04	5/11/05	9/22/05	5/22/06	8/23/06	5/30/07	8/6/07	6/25/08	8/25/08	5/19/09	8/12/09	STANDARD
Cadmium	<0.010	<0.010	<0.0031	<0.0031	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	0.005
Hexavalent Chromium	1.7	0.58	19.8	36.6J	3.2	NS	19.0	1.3	0.15	1.20	0.69	0.46	0.37	1.08	0.39	NS	0.27	0.24	0.230	0.140	NS	0.130	0.380	0.094	NS	0.10	0.03	0.02	<0.02	0.05
Total Chromium	1.58	NA	19J	33.1	3.3	NS	16.1	1.0	11.2	0.985	0.60	0.520	0.34	0.85	0.434	NS	0.232	0.256	0.241	0.129	NS	0.143	0.462	0.092	NS	0.063	0.049	0.14	0.0145	0.05
Iron	NA	<0.10	0.330	1.51J	NA	NS	NA	0.29	1.13	0.60	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	0.30
Lead	<0.10	<0.10	<0.021	<0.021	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	0.025
Manganese	NA	<0.010	0.033J	0.106J	NA	NS	NA	ND	0.19	0.05	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	0.30
Nickel	<0.050	<0.050	<0.0078	0.0074	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	0.10
Zinc	<0.025	<0.025	<0.0090	0.0184J	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	None Set
NONMETALS (mg/L)																														
Chloride	NA	NA	NA	NA	NA	NS	NA	7.2	8.6	4.4	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	250
Cyanide, total	0.012	0.0053	0.0573	0.0881	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	0.20
Ammonia Nitrogen	NA	0.074	0.09	0.14	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	2
Nitrate Nitrogen	NA	0.37	1.16J	1.29	NA	NS	NA	0.47	2.8	0.48	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	10
Nitrite Nitrogen	NA	<0.020	0.021	<0.015	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	1
Sulfate	NA	45.0	81.9J	121	NA	NS	NA	49	64	52	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	250
Total Suspended Solids	NA	NA	14J	251	36	NS	602	42	238	40	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	None Set
Turbidity (NTU)	NA	NA	79J	200	45.0	NS	600	52	460	140	37	126	35	42	37	NS	8.7	39	30	25	NS	78	560	NA	NS	NA	NA	NA	NA	5
VOCs (ug/L)																														
Acrylonitrile	<50	<50	<10	<20	<25	NS	<250	<25	<125	<25	<25	<25	<25	<25	<25	NS	<25	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	5
Carbon Tetrachloride	20	<5	30	24	<5	NS	70	<5	300	<5	<5	<5	14	29	<5	NS	6.3	<5	<10	2J	NS	<10	8J	<10.0	NS	<10	<5	<5	<5	5
Chlorobenzene	<5	<5	<1	<2	<5	NS	<50	<5	<25	<5	<5	<5	<5	<5	<5	NS	<5	<5	<10	<10	NS	<10	<10	<10.0	NS	<10	<5	<5	<5	5
Chloroform	<5	<5	7	6J	<5	NS	90	<5	40	<5	<5	<5	<5	6.0	<5	NS	<5	<5	<10	<10	NS	<10	<10	<10.0	NS	<10	<5	<5	<5	7
Dichlorodifluoromethane	NA	NA	NA	NA	<5	NS	<100	<10	<50	<10	<10	<10	<10	<10	<10	NS	<10	NA	NA	<10	NS	<10	<10	<10.0	NS	<10	<5	<10	<10	5
1,1-Dichloroethene	<5	<5	<1	<4	<5	NS	<50	<5	<25	<5	<5	<5	<5	<5	<5	NS	<5	<5	<10	<10	NS	<10	<10	<10.0	NS	<10	<5	<5	<5	5
cis-1,2-Dichloroethene	47	<5	45	36	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	<5	<5	<10	0.7J	NS	<10	9J	<10.0	NS	<10	<5	<5	<5	5
trans-1,2-Dichloroethene	<5	<5	<2	<4	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	<5	<5	<10	<10	NS	<10	<10	<10.0	NS	<10	<5	<5	<5	5
1,2-Dichloroethene, Total	NA	NA	NA	NA	<5	NS	60	<5	170	<5	<5	<5	8	38	<5	NS	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	None Set
Tetrachloroethene	<5	<5	3J	3J	<5	NS	<50	<5	<25	<5	<5	<5	<5	<5	<5	NS	<5	<5	<10	<10	NS	<10	<10	<10.0	NS	<10	<5	<5	<5	5
Trichloroethene	440	140	670	940	180	NS	700	18	1400	190	110	100	98	220	66	NS	96	65	100	50	NS	53	120	56	NS	51	46	35	39	5
Vinyl Chloride	<5	<5	<2	<4	<10	NS	<100	<10	<50	<10	<10	<10	<10	<10	<10	NS	<10	<10	<10	<10	NS	<10	<10	<10.0	NS	<10	<10	<10	<10	2

	MW-1R																												NYSDEC	
METALS (mg/L)			9/5/97	11/3/97	5/8/98	8/26/98	11/17/98	5/24/99	8/24/99	11/15/99	5/23/00	8/23/00	5/22/01	8/29/01	6/17/02	9/16/02	9/10/03	5/19/04	8/18/04	5/11/05	9/22/05	5/23/06	9/22/05	5/30/07	8/6/07	6/25/08	8/25/08	5/19/09	8/12/09	STANDARD
Cadmium			<0.0031	<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005
Hexavalent Chromium			6.77	12.0	0.89	1.20	6.40	0.55	1.99	0.68	0.30	0.41	0.26	0.43	0.16	0.16	0.25	0.14	0.200	0.120	0.030	0.130	0.260	0.119	<.02	0.083	0.09	0.06	0.11	0.05
Total Chromium			7.16J	11.5	1.48	0.99	5.71	0.451	1.87	0.50	0.32	0.349	0.26	0.365	0.216	0.16	0.220	0.139	0.214	0.124	0.319	0.132	0.241	0.117	0.019	0.08	0.135	0.0557	0.122	0.05
Iron			<0.015	0.092J	NA	NA	NA	<0.05	0.18	0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Lead			<0.021	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025
Manganese			0.026J	0.03J	NA	NA	NA	<0.02	0.05	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Nickel			0.0078	0.0044J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10
Zinc			<0.0090	<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
NONMETALS (mg/L)																														
Chloride			NA	NA	NA	NA	NA	3.4	4.0	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Cyanide, total			0.0367	0.0366	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
Ammonia Nitrogen			0.075	0.078J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
Nitrate Nitrogen			0.64J	0.57	NA	NA	NA	0.35	0.76	0.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
Nitrite Nitrogen			0.023	<0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
Sulfate			50.9J	66.1	NA	NA	NA	34	40	38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Total Suspended Solids			<3.4	30.8	1.5	2.5	52	1.5	<1	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Turbidity (NTU)			1.06J	27.2	5.4	8.5	41.0	2.5	7.0	21	2.6	37.0	4.6	5.5	16.0	5.4	2.7	3.5	3.8	21	16	27	2.1	NA	50	NA	NA	NA	NA	5
VOCs (ug/L)																														
Acrylonitrile			<10	<10	<25	<25	<120	<25	<50	<25	<50	<25	<50	<50	<25	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5
Carbon Tetrachloride			14	33	<5	11	65	<5	48	36	<10	10	10	11	<5	<10	17	<5	<10	4J	10J	5J	9J	<10.0	<5	<10	<5	<5	5.3	5
Chlorobenzene			<1	<1	<5	<5	<25	<5	<10	<5	<10	<5	<10	<10	<5	<10	<10	<10	<5	<10	<10	<10	<10	<10.0	<5	<10	<5	<5	<5	5
Chloroform			4J	6	<5	<5	30	<5	<10	<5	<10	<5	<10	<10	<5	<10	<10	<5	<10	<10	2J	6J	<10	<10.0	<5	<10	<5	<5	<5	7
Dichlorodifluoromethane			NA	NA	<10	<10	<50	<10	<20	<10	<20	<10	<20	<10	<10	<20	<20	NA	NA	<10	<10	<10	<10	<10.0	<10	<10	<10	<10	<10	5
1,1-Dichloroethene			<2	<2	<5	<5	<25	<5	<10	<5	<10	<5	<10	<10	<5	<10	<10	<5	<10	<10	<10	<10	<10.0	<5	<10	<5	<5	<5	<5	5
cis-1,2-Dichloroethene			36	34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	<5	<10	2J	14	4J	7J	<10.0	<5	<10	<5	<5	<5	5
trans-1,2-Dichloroethene			<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	<5	<10	<10	<10	<10	<10	<10.0	<5	<10	<5	<5	<5	5
1,2-Dichloroethene, Total			NA	NA	7	29	50	7	50	16	<10	14	<10	16	<5	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Tetrachloroethene			3J	4J	<5	<5	<25	<5	<10	<5	<10	<5	<10	<10	<5	<10	<10	<5	<10	<10	2J	<10	<10	<10.0	<5	<10	<5	<5	<5	5
Trichloroethene			410	690	180	280	550	100	420	280	160	170	140	170	62	110	180	96	180	94	200E	110	150	68	<5	59	95	68	100	5
Vinyl Chloride			<2	<2	<10	<10	<50	<10	<20	<10	<20	<10	<20	<20	<10	<20	<20	<10	<10	<10	<10	<10	<10	<10.0	<10	<10	<10	<10	<10	2

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

	MW-2																												NYSDEC		
METALS (mg/L)	8/22/96	5/22/97	9/5/97	11/3/97	5/8/98	8/26/98	11/17/98	5/24/99	8/24/99	11/15/99	5/23/00	8/23/00	5/22/01	8/29/01	6/18/02	9/17/02	9/10/03	5/19/04	8/18/04	5/11/05	9/22/05	9/22/05	8/23/06	5/30/07	8/6/07	6/25/08	8/25/08	5/20/09	8/12/09	STANDARD	
Cadmium	<0.010	<0.010	<0.0031	<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005	
Hexavalent Chromium	0.38	1.42	0.17	0.338J	0.81	0.78	1.70	0.84	0.22	0.78	0.19	0.15	0.11	0.98	0.09	<0.02	<0.02	<0.02	<0.020	<0.020	<0.020	0.020	<0.020	<0.020	0.240	<0.02	<0.02	<0.02	<0.02	0.05	
Total Chromium	0.24	NA	0.306J	0.54	1.81	0.72	1.54	0.788	0.939	0.699	0.190	0.134	0.13	0.528	0.078	0.037	0.010	0.006	0.0037B	0.030	0.317	0.059	0.178	0.027	0.241	0.009	<0.005	0.0138	0.007	0.05	
Iron	NA	4.64	1.10	0.73J	NA	NA	NA	0.12	0.28	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30	
Lead	<0.10	<0.10	<0.021	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025	
Manganese	NA	0.084	0.046J	0.041J	NA	NA	NA	<0.02	<0.02	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30	
Nickel	<0.050	<0.050	<0.0078	<0.0016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10	
Zinc	<0.025	<0.025	<0.0090	<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set	
NONMETALS (mg/L)																															
Chloride	NA	NA	NA	NA	NA	NA	NA	4.0	4.1	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250	
Cyanide, total	<0.005	<0.0050	<0.0040	<0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20	
Ammonia Nitrogen	NA	<0.050	0.053	<0.030	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	
Nitrate Nitrogen	NA	0.317	<0.030	0.13	NA	NA	NA	0.11	0.21	0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	
Nitrite Nitrogen	NA	<0.020	0.02J	<0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	
Sulfate	NA	51.0	58.8J	53.3	NA	NA	NA	38	39	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250	
Total Suspended Solids	NA	NA	54J	<3.4	2.0	36	139	2.0	52	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set	
Turbidity (NTU)	NA	NA	43.2J	4.1	5.8	68	140	1.8	160	7	20	43	220	520	6.5	260	13	76	6	41.0	68	36	55	NA	8.1	NA	NA	NA	NA	5	
VOCs (u g/L)																															
Acrylonitrile	<50	<50	<10	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	
Carbon Tetrachloride	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10.0	<5	<10	<5	<5	5	
Chlorobenzene	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10.0	<5	<10	<5	<5	<5	5	
Chloroform	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	5	<10	<10.0	<5	<10	<5	<5	<5	7	
Dichlorodifluoromethane	NA	NA	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	NA	<10	<10	<10	<10	<10.0	<10	<10	<10	<10	<10	5	
1,1-Dichloroethene	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10.0	<5	<10	<5	<5	<5	5	
cis-1,2-Dichloroethene	<5	<5	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	<5	<10	<10	<10	<10	<10	<10.0	6.2	<10	<5	<5	<5	5	
trans-1,2-Dichloroethene	<5	<5	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	<5	<10	<10	<10	<10	<10	<10.0	<5	<10	<5	<5	<5	5	
1,2-Dichloroethene, Total	NA	NA	NA	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set	
Tetrachloroethene	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10.0	<5	<10	<5	<5	<5	5	
Trichloroethene	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<10.0	72	130	<10	<5	5.8	<5	5
Vinyl Chloride	<5	<5	<2	<2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10.0	<10	<10	<10	<10	<10	2	

	MW-3																												NYSDEC		
METALS (mg/L)	8/22/96	5/22/97	9/5/97	11/3/97	5/8/98	8/26/98	11/17/98	5/24/99	8/23/99	11/15/99	5/23/00	8/23/00	5/23/01	8/29/01	6/17/02	9/16/02	9/11/03	5/19/04	8/18/04	5/11/05	9/22/05	5/22/06	8/23/06	5/30/07	8/6/07	6/25/08	8/25/08	5/20/09	8/13/09	STANDARD	
Cadmium	<0.010	<0.010	<0.0031	<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	0.005
Hexavalent Chromium	<0.01	<0.010	0.004J	<0.0004	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS	<0.02	NS	NS	NS	NA	NS	NS	NS	NS	<0.02	NS	NS	NS	NS	0.05
Total Chromium	<0.030	NA	<0.0066	<0.0066	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.010	0.005	<0.005	<0.005	<0.005	NS	<0.005	NS	NS	NS	NA	NS	NS	NS	NS	<0.005	NS	NS	NS	NS	0.05
Iron	NA	4.39	NA	1.66J	NA	NA	NA	0.11	NA	0.23	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	0.30
Lead	<0.10	<0.10	<0.021	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	0.025
Manganese	NA	0.152	NA	0.088	NA	NA	NA	<0.02	NA	ND	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	0.30
Nickel	<0.050	<0.050	<0.0078	0.0028J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	0.10
Zinc	<0.025	0.038	<0.0090	0.015J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	None Set
NONMETALS (mg/L)																															
Chloride	NA	NA	NA	NA	NA	NA	NA	<1	NA	ND	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	250
Cyanide, total	<0.005	<0.0050	<0.0040	<0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	0.20
Ammonia Nitrogen	NA	<0.050	NA	<0.030	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	2
Nitrate Nitrogen	NA	0.27	NA	0.23	NA	NA	NA	0.19	NA	0.25	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	10
Nitrite Nitrogen	NA	<0.020	NA	<0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	1
Sulfate	NA	<8.0	NA	25.7	NA	NA	NA	13	NA	14	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	250
Total Suspended Solids	NA	NA	27.6J	4.4J	7.0	93	NA	1.0	123	2.5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NA	None Set
Turbidity (NTU)	NA	NA	15.9J	4.9	12	75	NA	1.5	680	19	6.1	6	82	300	7.7	NS	5.7	NS	NS	NS	NA	NS	NS	NS	NS	220	NS	NS	NS	NA	5
VOCs (ug/L)																															
Acrylonitrile	<50	<50	<10	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	<10	NS	NS	NS	NS	NA	NS	NS	NS	NA	5
Carbon Tetrachloride	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	NS	<5	NS	NS	NS	<5	5
Chlorobenzene	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	NS	<5	NS	NS	NS	<5	5
Chloroform	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	NS	<5	NS	NS	NS	<5	7
Dichlorodifluoromethane	NA	NA	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS	NS	<10	NS	NS	NS	NS	<10	NS	NS	NS	<10	5
1,1-Dichloroethene	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	NS	<5	NS	NS	NS	<5	5
cis-1,2-Dichloroethene	<5	<5	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NS	NS	NS	<10	NS	NS	NS	NS	<5	NS	NS	NS	<5	5
trans-1,2-Dichloroethene	<5	<5	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NS	NS	NS	<10	NS	NS	NS	NS	<5	NS	NS	NS	<5	5
1,2-Dichloroethene, Total	NA	NA	NA	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NS	NS	NS	<10	NS	NS	NS	NS	NA	NS	NS	NS	NA	None Set
Tetrachloroethene	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	NS	<5	NS	NS	NS	<5	5
Trichloroethene	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	NS	<5	NS	NS	NS	<5	5
Vinyl Chloride	<5	<5	<2	<2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS	NS	<10	NS	NS	NS	NS	<10	NS	NS	NS	<10	2

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

	MW-4																												NYSDEC	
METALS (mg/L)	8/22/96	5/22/97	9/5/97	11/3/97	5/8/98	8/26/98	11/17/98	5/24/99	8/24/99	11/15/99	5/23/00	8/23/00	5/22/01	8/30/01	6/18/02	9/17/02	9/11/03	5/19/04	8/18/04	5/11/05	9/22/05	5/22/06	8/23/06	5/30/07	8/6/07	6/25/08	8/26/08	5/19/09	8/11/09	STANDARD
Cadmium	<0.010	<0.010	<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.04	0.04	0.05	0.06	0.040	0.050	0.030	0.030	0.040	<0.020	<.02	<0.02	<0.02	0.03	0.03	0.005
Hexavalent Chromium	0.07	0.086	0.082	0.027J	0.10	0.10	0.06	0.08	0.08	0.10	0.08	0.07	0.04	0.04	0.05	0.04	0.05	0.06	0.040	0.050	0.030	0.030	0.040	<0.020	<.02	<0.02	<0.02	0.03	0.03	0.05
Total Chromium	0.09	NA	0.078J	NA	0.11	0.070	0.068	0.080	0.064	0.066	0.079	0.068	0.037	0.043	0.052	0.039	<0.005	0.045	0.057	0.044	0.029	0.029	0.029	0.016	0.022	0.018	0.018	0.029	0.0296	0.05
Iron	NA	0.39	0.50	NA	NA	NA	NA	0.08	NA	0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Lead	<0.10	<0.10	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025
Manganese	NA	0.023	0.016J	NA	NA	NA	NA	<0.02	NA	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Nickel	<0.050	<0.050	<0.0078	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10
Zinc	<0.025	<0.025	<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
NONMETALS (mg/L)																														
Chloride	NA	NA	NA	NA	NA	NA	NA	1.9	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Cyanide, total	<0.005	<0.005	<0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
Ammonia Nitrogen	NA	<0.050	0.045J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
Nitrate Nitrogen	NA	0.479	0.39J	NA	NA	NA	NA	0.64	NA	0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
Nitrite Nitrogen	NA	<0.020	<0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
Sulfate	NA	16.5	12.1J	NA	NA	NA	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Total Suspended Solids	NA	NA	8.8J	NA	5.0	10	39	1.0	31	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Turbidity (NTU)	NA	NA	9.92J	NA	7.1	9.3	27	2.5	24	19	2.2	10	25	5.1	2.0	5.3	7.8	16	1.2	24.0	79	18	4.7	NA	9	NA	NA	NA	NA	5
VOCs (ug/L)																														
Acrylonitrile	<50	<50	<10	<10	<25	<62	<500	<125	<125	<125	<125	<125	<50	<50	<63	<1250	<62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5
Carbon Tetrachloride	<5	<5	<1	<1	<5	<12	<100	<25	<25	<25	<25	<25	<10	<125	<13	<250	<12	<10	<20	<20	<1000	<20	<50	<10.0	<250	<20	<10	<10	<10	5
Chlorobenzene	<5	<5	<1	<1	<5	<12	<100	<25	<25	<25	<25	<25	<10	<25	<13	<250	<12	<10	<20	<20	<1000	<20	<50	<10.0	<250	<20	<10	<10	<10	5
Chloroform	<5	<5	1J	1J	<5	<12	<100	<25	<25	<25	<25	<25	<10	<25	<13	<250	<12	<10	<20	<20	<1000	<20	<50	<10.0	<250	<20	<10	<10	<10	7
Dichlorodifluoromethane	NA	NA	NA	NA	<10	<25	<200	<50	<50	<50	<50	<50	<20	<20	<25	<500	<25	NA	NA	<20	<1000	<20	<50	<10.0	<500	<20	<20	<20	<20	5
1,1-Dichloroethene	<5	<5	<1	<1	<5	<12	<100	<25	<25	<25	<25	<25	<10	<25	<13	<250	<12	<10	<20	<20	<1000	<20	<50	<10.0	<250	<20	<10	<10	<10	5
cis-1,2-Dichloroethene	<5	<5	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<12	<10	<20	<20	<1000	<20	<50	<10.0	<250	<20	<10	<10	<10	5
trans-1,2-Dichloroethene	<5	<5	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<12	<10	<20	<20	<1000	<20	<50	<10.0	<250	<20	<10	<10	<10	5
1,2-Dichloroethene, Total	NA	NA	NA	NA	<5	<12	<100	<25	<25	<25	<25	<25	<10	<25	<13	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Tetrachloroethene	<5	<5	<1	<1	<5	<12	<100	<25	<25	<25	<25	<25	<10	<25	<13	<250	<12	<10	<20	<20	<1000	<20	<50	<10.0	<250	<20	<10	<10	<10	5
Trichloroethene	540	330	330	540	300	400	3200	800	760	920	460	470	240	300	300	6000	430	330	390	340	20000E	300	690	190	6600	250	360	260	290	5
Vinyl Chloride	<5	<5	<2	<2	<10	<25	<200	<50	<50	<50	<50	<50	<20	<50	<25	<500	<25	<20	<20	<20	<1000	<20	<50	<10.0	<500	<20	<20	<20	<20	2

	MW-4R																												NYSDEC		
METALS (mg/L)		9/4/97	11/3/97	1/22/98	5/8/98	8/26/98	11/16/98	5/24/99	8/24/99	11/15/99	5/23/00	8/23/00	5/22/01	8/30/01	6/18/02	9/17/02	9/11/03	5/19/04	8/18/04	5/11/05	9/22/05	5/22/06	8/23/06	5/30/07	8/6/07	6/25/08	8/25/08	5/19/09	8/11/09	STANDARD	
Cadmium		<0.010	NS	<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005
Hexavalent Chromium		0.016	NS	0.0052	0.03	0.03	0.03	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<.02	0.03	0.03	0.05	0.02	0.05	
Total Chromium		<0.030	NS	0.0092J	0.03	0.005	0.015	0.006	0.008	<0.005	0.017	0.006	0.012	0.009	0.008	0.005	0.006	<0.005	0.0071B	0.0076B	0.0047B	0.0071B	0.014	0.022	<.005	0.036	0.026	0.0276	0.0347	0.05	
Iron		0.95	NS	NA	NA	NA	NA	0.49	0.31	0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Lead		<0.010	NS	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025
Manganese		0.074J	NS	NA	NA	NA	NA	0.06	0.05	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Nickel		<0.050	NS	0.0056	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10
Zinc		<0.025	NS	0.093	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
NONMETALS (mg/L)																															
Chloride		NA	NS	NA	NA	NA	NA	86	120	89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Cyanide, total		<0.0050	NS	<0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
Ammonia Nitrogen		<0.050	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
Nitrate Nitrogen		0.61J	NS	NA	NA	NA	NA	1.3	1.7	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
Nitrite Nitrogen		<0.020	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
Sulfate		46.4J	NS	NA	NA	NA	NA	84	102	97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Total Suspended Solids		<9.0	NS	39.2	29	119	37	34	38	41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Turbidity (NTU)		50.1J	NS	21.8	34	180	32	44	28	38	7.2	28	17	62	17	16	5.5	4.8	49	17	12	41	160	NA	8.7	NA	NA	NA	NA	NA	5
VOCs (ug/L)																															
Acrylonitrile		<5000	NS	<200	<2500	<2500	<6200	6200	<2500	<6250	<2500	<2500	<13000	<6250	<2500	<1250	<2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5
Carbon Tetrachloride		<500	NS	<20	<500	<500	<1200	<1200	<500	<1250	<500	<500	<2500	<1250	<500	<250	<500	<1000	<2000	<20000	<5000	<2000	<1000	<5000	<250	<2500	<1200	<1200	<500	5	
Chlorobenzene		<500	NS	<20	<500	<500	<1200	<1200	<500	<1250	<500	<500	<2500	<1250	<500	<250	<500	<1000	<2000	<20000	<5000	<2000	<1000	<5000	<250	<2500	<1200	<1200	<500	5	
Chloroform		<500	NS	<20	<500	<500	<1200	<1200	<500	<1250	<500	<500	<2500	<1250	<500	<250	<500	<1000	<2000	<20000	<5000	<2000	<1000	<5000	<250	<2500	<1200	<1200	<500	7	
Dichlorodifluoromethane		NA	NS	NA	<1000	<1000	<2500	<2500	<1000	<2500	<1000	<1000	<2500	<2500	<1000	<500	<1000	NA	NA	<20000	<5000	<2000	<1000	<5000	<250	<2500	<2500	<2500	<1000	5	
1,1-Dichloroethene		<500	NS	<20	<500	<500	<1200	<1200	<500	<1250	<500	<500	<2500	<1250	<500	<250	<1000	<2000	<20000	<5000	<2000	<1000	<5000	<250	<2500	<1200	<1200	<500	5		
cis-1,2-Dichloroethene		<500	NS	80J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<500	<1000	<2000	<20000	<5000	<2000	<1000	<5000	<250	<2500	<1200	<1200	<500	5	
trans-1,2-Dichloroethene		<500	NS	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<500	<1000	<2000	<20000	<5000	<2000	<1000	<5000	<250	<2500	<1200	<1200	<500	5		
1,2-Dichloroethene, Total		NA	NS	NA	<500	<500	<1200	<1200	<500	<1250	<500	<500	<2500	<1250	<500	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Tetrachloroethene		1000	NS	210	<500	<500	<1200	<1200	<500	<1250	<500	<500	<2500	<1250	<500	<250	<500	<1000	<2000	<20000	<5000	<2000	<1000	<5000	<250	<2500	<1200	<1200	<500	5	
Trichloroethene		140000	NS	28000	22000	17000	28000	52000	14000	25000	20000	19000	45000	13000	14000	7500	19000	49000	28000	180000	70000	24000	21000E	59000	7400	47000	28000	45000	10000	5	
Vinyl Chloride		<500	NS	ND	<1000	<1000	<2500	<2500	<1000	<2500	<2500	<2500	<5000	<2500	<1000	<500	<1000	<2000	<2000	<20000	<5000	<2000	<1000	<5000	<500	<2500	<2500	<2500	<1000	2	

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

			MW-5																										NYSDEC		
METALS (mg/L)			9/5/97	11/3/97	5/7/98	8/25/98	11/17/98	5/24/99	8/23/99	11/15/99	5/23/00	8/23/00	5/22/01	8/30/01	6/18/02	9/16/02	9/11/03	5/19/04	8/17/04	5/11/05	9/22/05	5/22/06	8/23/06	5/30/07	8/6/07	6/25/08	8/26/08	5/20/09	8/12/09	STANDARD	
Cadmium			<0.0031	<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005
Hexavalent Chromium			0.007	0.004J	<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	NA	NA	NA	<0.020	<0.020	NA	NA	NA	NA	NA	NA	NA	NA	0.05
Total Chromium			<0.0066	<0.0060	<0.005	<0.005	0.006	<0.005	0.013	<0.005	0.006	<0.005	<0.005	0.008	0.005	0.006	0.005	NA	NA	NA	0.0059B	<0.0023	NA	NA	NA	NA	NA	NA	NA	NA	0.05
Iron			0.22	0.74J	NA	NA	NA	<0.05	0.16	0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Lead			<0.021	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025
Manganese			0.011J	0.008J	NA	NA	NA	<0.02	<0.02	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Nickel			<0.0078	<0.0016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10
Zinc			0.01J	0.029J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
NONMETALS (mg/L)																															
Chloride			NA	NA	NA	NA	NA	2.2	2.6	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Cyanide, total			<0.0040	<0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
Ammonia Nitrogen			<0.040	<0.030	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
Nitrate Nitrogen			<0.030	0.032J	NA	NA	NA	0.07	0.02	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
Nitrite Nitrogen			<0.015	<0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
Sulfate			20.5J	20.7	NA	NA	NA	16	20	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Total Suspended Solids			7.2J	15.6	5.0	32	28	2.0	32	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Turbidity (NTU)			6.29J	12.1	7.8	30	31	22	17	38	3.0	15	30	29	0.9	8.9	34	NA	NA	NA	24	16	NA	NA	NA	NA	NA	NA	NA	NA	5
VOCs (ug/L)																															
Acrylonitrile			<25	<25	<120	<25	<125	<50	<50	<125	<50	<75	<25	<50	<62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5
Carbon Tetrachloride			<5	<5	<25	<5	<25	<10	<10	<25	<10	<15	<5	<10	<12	<5	<20	<20	<50	<20	<50	<10	<20	<10.0	<5	<10	<25	<5	<5	5	
Chlorobenzene			<5	<5	<25	<5	<25	<10	<10	<25	<10	<15	<5	<10	<12	<5	<20	<20	<50	<20	<50	<10	<20	<10.0	<5	<10	<25	<5	<5	5	
Chloroform			10	<5	<25	<5	<25	<10	<10	<25	<10	<15	<5	<10	<12	<5	<20	<20	5J	<20	5J	<10	<20	<10.0	<5	<10	<25	<5	<5	7	
Dichlorodifluoromethane			<10	<10	<50	<10	<50	<20	<20	<50	<20	<30	<10	<20	<25	NA	NA	<20	<50	<20	<50	<10	<20	<10.0	<10	<10	<50	<10	<10	5	
1,1-Dichloroethene			<5	<5	<25	<5	<25	<10	<10	<25	<10	<15	<5	<10	<12	<5	<20	<20	<50	<20	<50	<10	<20	<10.0	<5	<10	<25	<5	<5	5	
cis-1,2-Dichloroethene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<12	6.3	<20	7J	16J	7J	16J	6J	9J	<10.0	6.2	<10	<25	<5	7	5	
trans-1,2-Dichloroethene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<12	<5	<20	<20	<50	<20	<50	<10	<20	<10.0	<5	<10	<25	<5	<5	5	
1,2-Dichloroethene, Total			<5	38	100	11	90	30	14	<25	<10	32	6	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Tetrachloroethene			<5	<5	<25	<5	<25	<10	<10	<25	<10	<15	<5	<10	<12	<5	<20	<20	<50	<20	<50	<10	<20	<10.0	<5	<10	<25	<5	<5	5	
Trichloroethene			180	290	460	210	440	280	280	300	280	270	110	250	190	120	260	250	480	250	480	210E	230	120	140	68	650	77	120	5	
Vinyl Chloride			<10	<10	<50	<10	<50	<20	<20	<50	<20	<30	<10	<20	<25	<10	<20	<20	<50	<20	<50	<20	<20	<10.0	<10	<10	<50	<10	<10	2	

	MW-6																													NYSDEC
METALS (mg/L)			9/4/97	11/3/97	5/7/98	8/26/98	11/17/98	5/24/99	8/24/99	11/15/99	5/23/00	8/23/00	5/21/01	8/29/01	6/18/02	9/16/02	9/10/03	5/19/04	8/18/04	5/11/05	9/22/05	5/22/06	8/23/06	5/30/07	8/6/07	6/25/08	8/26/08	5/20/09	8/11/09	STANDARD
Cadmium			<0.010	<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005
Hexavalent Chromium			0.0187	<0.00040	0.26	0.18	0.10	0.23	0.17	0.20	0.28	0.27	0.12	0.08	0.14	0.08	0.14	0.14	0.140	0.130	0.040	0.110	0.070	0.041	0.040	0.04	0.04	0.06	0.05	0.05
Total Chromium			<0.030	<0.0066	0.290	0.140	0.108	0.212	0.159	0.129	0.271	0.237	0.104	0.150	0.136	0.096	0.112	0.145	0.152	0.135	0.0434	0.105	0.067	0.091	0.044	0.01	0.038	0.0546	0.0475	0.05
Iron			<0.10	0.32J	NA	NA	NA	0.12	0.27	0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Lead			<0.10	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025
Manganese			0.038J	0.246J	NA	NA	NA	<0.02	<0.02	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Nickel			<0.050	0.004J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10
Zinc			<0.025	0.047J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
NONMETALS (mg/L)																														
Chloride			NA	NA	NA	NA	NA	54	78	65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Cyanide, total			<0.0050	<0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
Ammonia Nitrogen			<0.050	0.03J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
Nitrate Nitrogen			0.47J	<0.030	NA	NA	NA	0.78	0.97	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
Nitrite Nitrogen			<0.020	<0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
Sulfate			42.5J	62.0	NA	NA	NA	58	72	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Total Suspended Solids			<9.0	18.4	7.5	120	14	4.5	74	7.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Turbidity (NTU)			12.4J	40.3	11.0	150	12	6	33	10	45	67	2.4	29	1.8	93	7.0	62	49	4	57	46	76	NA	2.4	NA	NA	NA	NA	5
VOCs (u g/L)																														
Acrylonitrile			<250	<50	<500	<2500	<2500	<2500	<1250	<1250	<1250	<2500	<1250	<500	<2500	<500	<500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.00
Carbon Tetrachloride			<25	<5	<100	<500	<500	<500	<250	<250	<250	<500	<250	<100	<500	<100	<100	<250	<100	<200	<1000	<200	<200	<200	<100	<200	<250	<250	<100	5.00
Chlorobenzene			<25	<5	<100	<500	<500	<500	<250	<250	<250	<500	<250	<100	<500	<100	<100	<250	<100	<200	<1000	<200	<200	<200	<100	<200	<250	<250	<100	5.00
Chloroform			<25	<5	<100	<500	<500	<500	<250	<250	<250	<500	<250	<100	<500	<100	<100	<250	<100	<200	<1000	<200	<200	<200	<100	<200	<250	<250	<100	7.00
Dichlorodifluoromethane			NA	NA	<200	<1000	<1000	1000.00	<500	<500	<500	<1000	<500	<200	<1000	<200	<200	<200	NA	<200	<1000	<200	<200	<200	<200	<200	<500	<500	<200	5.00
1,1-Dichloroethene			<25	<5	<100	<500	<500	<500	<250	<250	<250	<500	<250	<100	<500	<100	<100	<250	<100	<200	<1000	<200	<200	<200	<100	<200	<250	<250	<100	5.00
cis-1,2-Dichloroethene			<25	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	<250	<100	<200	<1000	<200	<200	<200	<100	<200	<250	<250	<100	5.00
trans-1,2-Dichloroethene			<25	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	<250	<100	<200	<1000	<200	<200	<200	<100	<200	<250	<250	<100	5.00
1,2-Dichloroethene, Total			NA	NA	<100	<500	<500	<500	<250	<250	<250	<500	<250	<100	<500	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Tetrachloroethene			48.00	22J	<100	<500	<500	<500	<250	<250	<250	<500	<250	<100	<500	<100	<100	<250	34J	<200	<1000	48J	<200	<200	<100	<200	<250	<250	71J	5.00
Trichloroethene			4900	3200	11000	14000	10000	12000	5700	5400	7000	3500	6000	3000	3000	1700	2800	3500	1700	3400	19000	3700	3800	2400	4000	3600	5700	6400	4000	5.00
Vinyl Chloride			<25	<10	<200	<1000	<1000	<1000	<500	<500	<500	<1000	<500	<200	<1000	<200	<200	<500	<100	<200	<1000	<200	<200	<200	<200	<200	<500	<500	<200	2.00

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

		MW-7																												NYSDEC
METALS (mg/L)			9/4/97	11/4/97	5/7/98	8/25/98	11/16/98	5/25/99	8/23/99	11/15/99	5/23/00	8/23/00	5/21/01	8/29/01	6/18/02	9/16/02	9/10/03	5/19/04	8/18/04	5/11/05	9/22/05	5/22/06	8/23/06	5/30/07	8/6/07	6/25/08	8/26/08	5/21/09	8/11/09	STANDARD
Cadmium			<0.010	<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005
Hexavalent Chromium			0.018	0.0065	0.18	0.08	0.07	0.13	0.04	0.07	0.17	0.07	0.12	<0.02	0.07	0.04	0.06	0.04	<0.020	<0.020	<0.020	0.05	0.04	0.046	0.02	<0.02	0.02	<0.02	0.03	0.05
Total Chromium			<0.030	0.0077J	0.188	0.057	0.079	0.087	0.041	0.039	0.154	0.066	0.127	0.068	0.068	0.048	0.057	0.025	0.0232	0.0397	0.0232	0.105	0.044	0.046	0.02	0.017	0.022	0.0266	0.0242	0.05
Iron			1.97	<0.015	NA	NA	NA	0.08	1.87	0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Lead			<0.10	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025
Manganese			0.031J	0.0096J	NA	NA	NA	<0.02	0.19	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Nickel			<0.050	0.0081	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10
Zinc			<0.025	0.0191J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
NONMETALS (mg/L)																														
Chloride			NA	NA	NA	NA	NA	62	81	76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Cyanide, total			<0.0050	<0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
Ammonia Nitrogen			<0.050	<0.030	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
Nitrate Nitrogen			0.27J	0.18	NA	NA	NA	1.3	1.32	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
Nitrite Nitrogen			<0.020	<0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
Sulfate			72.7J	71.8	NA	NA	NA	83	95	111	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Total Suspended Solids			33.2J	<3.4	9.0	840	65	20	490	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Turbidity (NTU)			36.8J	3.7	7.5	590	56	12	470	23	93	170	285	83	69	390	140	14	26	86	140	87	140	NA	4.7	NA	NA	NA	NA	5
VOCs (ug/L)																														
Acrylonitrile			<50	<10	<250	<125	<120	<120	<125	<125	<125	<250	<500	<250	<125	<50	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.00
Carbon Tetrachloride			<5	<1	<50	<25	<25	<25	<25	<25	<25	<50	<100	<50	<25	<10	<25	<10	<20	<20	<50	<100	<50	<100	<25	<50	<50	<50	<10	5.00
Chlorobenzene			<5	<1	<50	<25	<25	<25	<25	<25	<25	<50	<100	<50	<25	<10	<25	<10	<20	<20	<50	<100	<50	<100	<25	<50	<50	<50	<10	5.00
Chloroform			<5	<1	<50	<25	<25	<25	<25	<25	<25	<50	<100	<50	<25	<10	<25	<10	<20	<20	<50	<100	<50	<100	<25	<50	<50	<50	<10	7.00
Dichlorodifluoromethane			NA	NA	<100	<50	<50	<50	<50	<50	<50	<100	<200	<100	<50	<20	<50	NA	NA	<20	<50	<100	<50	<100	<50	<50	<100	<100	<20	5.00
1,1-Dichloroethene			<5	<1	<50	<25	<25	<25	<25	<25	<25	<50	<100	<50	<25	<10	<25	<10	<20	<20	<50	<100	<50	<100	<25	<50	<50	<50	<10	5.00
cis-1,2-Dichloroethene			<5	3J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<25	<10	<20	<20	<50	<100	<50	<100	<25	<50	<50	<50	<10	5.00
trans-1,2-Dichloroethene			<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<25	<10	<20	<20	<50	<100	<50	<100	<25	<50	<50	<50	<10	5.00
1,2-Dichloroethene, Total			NA	NA	<50	<25	<25	<25	<25	<25	<25	<50	<100	<50	<25	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
Tetrachloroethene			<5	1J	<50	<25	<25	<25	<25	<25	<25	<50	<100	<50	<25	<10	<25	<10	<20	<20	<50	<100	<50	<100	<25	<50	<50	<50	<10	5.00
Trichloroethene			450	450	730	800	360	1300	420	650	1800	680	2200	600	600	280	750	210	250	270	790	1500	990	1900	530	730	1200	1700	390	5.00
Vinyl Chloride			<5	<2	<100	<50	<50	<50	<50	<50	<50	<100	<200	<100	<50	<20	<50	<20	<20	<20	<50	<100	<50	<100	<50	<50	<100	<100	<20	2.00

		MW-8																												NYSDEC
METALS (mg/L)			9/4/97	11/4/97	5/7/98	8/25/98	11/16/98	5/24/99	8/23/99	11/15/99	5/23/00	8/23/00	5/21/01	8/29/01	6/18/02	9/17/02	9/10/03	5/18/04	8/17/04	5/11/05	9/22/05	5/22/06	8/23/06	5/30/07	8/6/07	6/25/08	8/26/08	5/19/09	8/12/09	STANDARD
Cadmium			<0.010	<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005
Hexavalent Chromium			<0.0050	<0.0040	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NA	NA	NA	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	0.05
Total Chromium			<0.030	<0.0066	<0.005	<0.005	0.021	0.005	0.009	0.005	0.019	0.006	0.007	0.009	<0.005	<0.005	<0.005	NA	NA	NA	0.0083B	NA	NA	NA	NA	NA	NA	NA	NA	0.05
Iron			3.07	1.98J	NA	NA	NA	1.88	0.72	1.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Lead			<0.10	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025
Manganese			0.053J	0.044J	NA	NA	NA	0.14	0.05	0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
Nickel			<0.050	0.0036J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10
Zinc			0.078J	0.084J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
NONMETALS (mg/L)																														
Chloride			NA	NA	NA	NA	NA	87	136	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Cyanide, total			<0.0050	<0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
Ammonia Nitrogen			<0.050	0.030J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA															

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

		MW-11																												NYSDEC		
METALS (mg/L)					1/22/98	5/8/98	8/25/98	11/17/98	5/24/99	8/23/99	11/15/99	5/23/00	8/22/00	5/21/01	8/29/01	6/17/02	9/16/02	9/10/03	5/19/04	8/18/04	5/12/05	9/22/05	5/23/06	8/24/06	5/30/07	8/6/07	6/25/08	8/25/08	5/20/09	8/12/09	STANDARD	
	Cadmium				<0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	0.005
	Hexavalent Chromium				<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	NS	NS	NS	<0.02	NS	NS	NS	<0.02	NS	NS	NS	NS	<0.02	0.05
	Total Chromium				<0.0066	<0.005	<0.005	0.006	<0.005	0.006	<0.005	0.008	0.007	<0.005	0.007	<0.005	<0.005	<0.005	NS	NS	NS	0.0050B	NS	NS	NS	<0.005	NS	NS	NS	NS	<0.0052	0.05
	Iron				NA	NA	NA	NA	0.19	1.29	1.55	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	0.30
	Lead				<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	0.025
	Manganese				NA	NA	NA	NA	0.06	0.09	0.09	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	0.30
	Nickel				<0.0016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	0.10
	Zinc				0.0104J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	None Set
NONMETALS (mg/L)																																
	Chloride				ND	NA	NA	NA	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	250
	Cyanide, total				ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	0.20
	Ammonia Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	2
	Nitrate Nitrogen				NA	NA	NA	NA	0.02	<0.02	<0.02	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	10
	Nitrite Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	1
	Sulfate				NA	NA	NA	NA	37	36	41	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	250
	Total Suspended Solids				4.4J	3.5	31	21	5.5	71	25	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	NS	NA	None Set
	Turbidity (NTU)				35.8	6.5	35	31	14	25	120	6.4	98	58	260	155	32	61	NS	NS	NS	96	NS	NS	NS	NA	NS	NS	NS	NS	NA	5
VOCs (ug/L)																																
	Acrylonitrile				<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	<10	NS	NS	NS	NA	NS	NS	NS	NS	NA	5.00
	Carbon Tetrachloride				<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	<5	NS	NS	NS	NS	<5	5.00
	Chlorobenzene				<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	<5	NS	NS	NS	NS	<5	5.00
	Chloroform				<1	<5	<5	<5	<5	<5	<5	<5	6.00	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	<5	NS	NS	NS	NS	<5	7.00
	Dichlorodifluoromethane				NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS	NS	<10	NS	NS	NS	<10	NS	NS	NS	NS	<10	5.00	
	1,1-Dichloroethene				<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	<5	NS	NS	NS	NS	<5	5.00	
	cis-1,2-Dichloroethene				<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NS	NS	NS	<10	NS	NS	NS	<5	NS	NS	NS	NS	<5	5.00
	trans-1,2-Dichloroethene				<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NS	NS	NS	<10	NS	NS	NS	<5	NS	NS	NS	NS	<5	5.00
	1,2-Dichloroethene, Total				NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NS	NS	NS	<10	NS	NS	NS	NA	NS	NS	NS	NS	NA	None Set	
	Tetrachloroethene				<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	<10	NS	NS	NS	<5	NS	NS	NS	NS	<5	5.00	
	Trichloroethene				<1	<5	<5	180.00	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	3J	NS	NS	NS	<5	NS	NS	NS	NS	<5	5.00
	Vinyl Chloride				<2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS	NS	<10	NS	NS	NS	<10	NS	NS	NS	NS	<10	2.00

		MW-12																												NYSDEC		
METALS (mg/L)										8/23/99	11/16/99	5/24/00	8/22/00	5/21/01	8/30/01	6/19/02	9/17/02	9/11/03	5/18/04	8/17/04	5/12/05	9/23/05	5/23/06	8/24/06	5/30/07	8/6/07	6/25/08	8/25/08	5/20/09	8/13/09	STANDARD	
	Cadmium									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005
	Hexavalent Chromium									<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05
	Total Chromium									0.008	0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05
	Iron									0.11	0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
	Lead									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025
	Manganese									0.13	0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30
	Nickel									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10
	Zinc									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	None Set
NONMETALS (mg/L)																																
	Chloride									47	41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
	Cyanide, total									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20
	Ammonia Nitrogen									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
	Nitrate Nitrogen									<0.02	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
	Nitrite Nitrogen									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
	Sulfate																															

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

		MW-15																												NYSDEC		
METALS (mg/L)																																STANDARD
Cadmium																																0.005
Hexavalent Chromium																																0.05
Total Chromium																																0.05
Iron																																0.30
Lead																																0.025
Manganese																																0.30
Nickel																																0.10
Zinc																																None Set
NONMETALS (mg/L)																																
Chloride																																250
Cyanide, total																																0.20
Ammonia Nitrogen																																2
Nitrate Nitrogen																																10
Nitrite Nitrogen																																1
Sulfate																																250
Total Suspended Solids																																None Set
Turbidity (NTU)																																5
VOCs (ug/L)																																
Acrylonitrile																																5.00
Carbon Tetrachloride																																5.00
Chlorobenzene																																5.00
Chloroform																																7.00
Dichlorodifluoromethane																																5.00
1,1-Dichloroethene																																5.00
cis-1,2-Dichloroethene																																5.00
trans-1,2-Dichloroethene																																5.00
1,2-Dichloroethene, Total																																None Set
Tetrachloroethene																																5.00
Trichloroethene																																5.00
Vinyl Chloride																																2.00

		MW-16																												NYSDEC		
METALS (mg/L)																																STANDARD
Cadmium																																0.005
Hexavalent Chromium																																0.05
Total Chromium																																0.05
Iron																																0.30
Lead																																0.025
Manganese																																0.30
Nickel																																

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

METALS (mg/L)	MW-17																				NYSDEC STANDARD
Cadmium																					0.005
Hexavalent Chromium																					0.05
Total Chromium																					0.05
Iron																					0.30
Lead																					0.025
Manganese																					0.30
Nickel																					0.10
Zinc																					None Set
NONMETALS (mg/L)																					
Chloride																					250
Cyanide, total																					0.20
Ammonia Nitrogen																					2
Nitrate Nitrogen																					10
Nitrite Nitrogen																					1
Sulfate																					250
Total Suspended Solids																					None Set
Turbidity (NTU)																					5
VOCs (ug/L)																					
Acrylonitrile																					5.00
Carbon Tetrachloride																					5.00
Chlorobenzene																					5.00
Chloroform																					7.00
Dichlorodifluoromethane																					5.00
1,1-Dichloroethene																					5.00
cis-1,2-Dichloroethene																					5.00
trans-1,2-Dichloroethene																					5.00
1,2-Dichloroethene, Total																					None Set
Tetrachloroethene																					5.00
Trichloroethene																					5.00
Vinyl Chloride																					2.00

METALS (mg/L)	MW-18																				NYSDEC STANDARD
Cadmium																					0.005
Hexavalent Chromium																					0.05
Total Chromium																					0.05
Iron																					0.30
Lead																					0.025
Manganese																					0.30
Nickel																					0.10
Zinc																					None Set
NONMETALS (mg/L)																					
Chloride																					250
Cyanide, total																					0.20
Ammonia Nitrogen																					2
Nitrate Nitrogen																					10
Nitrite Nitrogen																					1
Sulfate																					250
Total Suspended Solids																					None Set
Turbidity (NTU)																					5
VOCs (ug/L)																					
Acrylonitrile																					5.00
Carbon Tetrachloride																					5.00
Chlorobenzene																					5.00
Chloroform																					7.00
Dichlorodifluoromethane																					5.00
1,1-Dichloroethene																					5.00
cis-1,2-Dichloroethene																					5.00
trans-1,2-Dichloroethene																					5.00
1,2-Dichloroethene, Total																					None Set
Tetrachloroethene																					5.00
Trichloroethene																					5.00
Vinyl Chloride																					2.00

Notes:
NA - not analyzed
NS - not sampled
J - estimated value
BOLD values exceed the NYSDEC Standard

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

MW-19																							NYSDEC
METALS (mg/L)																							STANDARD
Cadmium																							0.005
Hexavalent Chromium																							0.05
Total Chromium																							0.05
Iron																							0.30
Lead																							0.025
Manganese																							0.30
Nickel																							0.10
Zinc																							None Set
NONMETALS (mg/L)																							
Chloride																							250
Cyanide, total																							0.20
Ammonia Nitrogen																							2
Nitrate Nitrogen																							10
Nitrite Nitrogen																							1
Sulfate																							250
Total Suspended Solids																							None Set
Turbidity (NTU)																							5
VOCs (ug/L)																							
Acrylonitrile																							5.00
Carbon Tetrachloride																							5.00
Chlorobenzene																							5.00
Chloroform																							7.00
Dichlorodifluoromethane																							5.00
1,1-Dichloroethene																							5.00
cis-1,2-Dichloroethene																							5.00
trans-1,2-Dichloroethene																							5.00
1,2-Dichloroethene, Total																							None Set
Tetrachloroethene																							5.00
Trichloroethene																							5.00
Vinyl Chloride																							2.00

MW-20																							NYSDEC
METALS (mg/L)																							STANDARD
Cadmium																							0.005
Hexavalent Chromium																							0.05
Total Chromium																							0.05
Iron																							0.30
Lead																							0.025
Manganese																							0.30
Nickel																							0.10
Zinc																							None Set
NONMETALS (mg/L)																							
Chloride																							250
Cyanide, total																							0.20
Ammonia Nitrogen																							2
Nitrate Nitrogen																							10
Nitrite Nitrogen																							1
Sulfate																							250
Total Suspended Solids																							None Set
Turbidity (NTU)																							5
VOCs (ug/L)																							
Acrylonitrile																							5.00
Carbon Tetrachloride																							5.00
Chlorobenzene																							5.00
Chloroform																							7.00
Dichlorodifluoromethane																							5.00
1,1-Dichloroethene																							5.00
cis-1,2-Dichloroethene																							5.00
trans-1,2-Dichloroethene																							5.00
1,2-Dichloroethene, Total																							None Set
Tetrachloroethene																							5.00
Trichloroethene																							5.00
Vinyl Chloride																							2.00

Notes:
NA - not analyzed
NS - not sampled
J - estimated value
BOLD values exceed the NYSDEC Standard

Table 4
Relevant Groundwater Analytical Results
61 Edson Street, Amsterdam, NY
NYSDEC Site #4-029-004

FGI-1																							NYSDEC
METALS (mg/L)																							STANDARD
Cadmium																							0.005
Hexavalent Chromium																							0.05
Total Chromium																							0.05
Dissolved Chromium																							0.05
Iron																							0.30
Lead																							0.025
Manganese																							0.30
Nickel																							0.10
Zinc																							None Set
NONMETALS (mg/L)																							NYSDEC
Chloride																							250
Cyanide, total																							0.20
Ammonia Nitrogen																							2
Nitrate Nitrogen																							10
Nitrite Nitrogen																							1
Sulfate																							250
Total Suspended Solids																							None Set
Turbidity (NTU)																							5
VOCs (ug/L)																							NYSDEC
Acrylonitrile																							5.00
Carbon Tetrachloride																							5.00
Chlorobenzene																							5.00
Chloroform																							7.00
Dichlorodifluoromethane																							5.00
1,1-Dichloroethene																							5.00
cis-1,2-Dichloroethene																							5.00
trans-1,2-Dichloroethene																							5.00
1,2-Dichloroethene, Total																							None Set
Tetrachloroethene																							5.00
Trichloroethene																							5.00
Vinyl Chloride																							2.00

FGI-2																							NYSDEC
METALS (mg/L)																							STANDARD
Cadmium																							0.005
Hexavalent Chromium																							0.05
Total Chromium																							0.05
Dissolved Chromium																							0.05
Iron																							0.30
Lead																							0.025
Manganese																							0.30
Nickel																							0.10
Zinc																							None Set
NONMETALS (mg/L)																							NYSDEC
Chloride																							250
Cyanide, total																							0.20
Ammonia Nitrogen																							2
Nitrate Nitrogen																							10
Nitrite Nitrogen																							1
Sulfate																							250
Total Suspended Solids																							None Set
Turbidity (NTU)																							5
VOCs (ug/L)																							NYSDEC
Acrylonitrile																							5.00
Carbon Tetrachloride																							5.00
Chlorobenzene																							5.00
Chloroform																							7.00
Dichlorodifluoromethane																							5.00
1,1-Dichloroethene																							5.00
cis-1,2-Dichloroethene																							5.00
trans-1,2-Dichloroethene																							5.00
1,2-Dichloroethene, Total																							None Set
Tetrachloroethene																							5.00
Trichloroethene																							5.00
Vinyl Chloride																							2.00

Notes:
NA - not analyzed
NS - not sampled
J - estimated value
BOLD values exceed the NYSDEC Standard

**August 2009
Laboratory Results
(CD-ROM)**



Experience is the solution

314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

October 06, 2009

Jennifer Atkins
AECOM Environment
2 Technology Park Drive
Westford, MA 01886

Work Order No: 090929055

TEL: (978) 589-3000

FAX: (978) 589-3100

RE: Ward Products Amsterdam

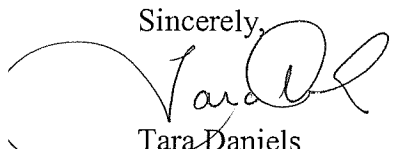
Dear Jennifer Atkins:

Adirondack Environmental Services, Inc received 1 sample on 9/29/2009 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Tara Daniels
Laboratory Manager

ELAP#: 10709
AIHA#: 100307

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentitively Identified Compound-Estimated Conc.
	X - Value exceeds Maximum Contaminant Level	E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: 06-Oct-09

CLIENT: AECOM Environment

Client Sample ID: FGI-2

Work Order: 090929055

Collection Date: 9/29/2009

Reference: Ward Products Amsterdam /

Lab Sample ID: 090929055-001

PO#:

Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: ML
Chloromethane	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
Bromomethane	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
Vinyl chloride	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
Chloroethane	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Acetone	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Chloroform	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
2-Butanone	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Benzene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Bromoform	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
2-Hexanone	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Toluene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Styrene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

T - Tentatively Identified Compound-Estimated Conc.

X - Value exceeds Maximum Contaminant Level

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: 06-Oct-09

CLIENT: AECOM Environment

Client Sample ID: FGI-2

Work Order: 090929055

Collection Date: 9/29/2009

Reference: Ward Products Amsterdam /

Lab Sample ID: 090929055-001

PO#:

Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: ML
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Cyclohexane	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	10/5/2009 7:21:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	10/5/2009 7:21:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range



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CHAIN OF CUSTODY RECORD

AES Work Order #

090929055

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Client Name: AECOM		Address: 40 BRITISH AMERICAN BLD. LATHAM NY 12110					
Send Report To: JENNIFER ATKINS		Project Name (Location): WARD PRODUCTS AMSTERDAM NY			Samplers: (Names): BRYON BLAYDES		
Client Phone No: 978 589 3000		Client Fax No: 978 589 3100		PO Number: 2074914		Samplers: (Signature): <i>[Signature]</i>	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
001	FG1-2	9/29/09 11:00	A	W		X	Z	8260+
			P					
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			P					
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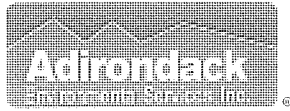
Shipment Arrived Via: FedEx UPS <input checked="" type="checkbox"/> Client AES Other: <u>DROP OFF</u>		CC Report To / Special Instructions/Remarks:	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) Date/Time	
Relinquished by: (Signature)		Received by: (Signature) Date/Time	
Relinquished by: (Signature)		Received for Laboratory by: <i>[Signature]</i> Date/Time 9/29/09 4:28	
TEMPERATURE Ambient or <input checked="" type="checkbox"/> Chilled Notes: <u>90</u>		PROPERLY PRESERVED <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Notes:	
		RECEIVED WITHIN HOLDING TIMES <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Notes:	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc



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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.**'s performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.
- (g) Payments by credit card are subject to a 3% additional charge.



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AECOM
2 Technology Park Drive
Westford, Massachusetts 01886

Attention: Jennifer Atkins



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TITLE PAGE

On August 11, 2009 five water samples were received by Adirondack Environmental Services, Inc. from AECOM-Westford from the Ward Products site. On August 12, 2009 thirteen water samples were received by Adirondack Environmental Services, Inc. from AECOM-Westford from the Ward Products site. On August 13, 2009 one water sample was received by Adirondack Environmental Services, Inc. from AECOM-Westford from the Ward Products site. These samples were analyzed for Volatile Organics, Chromium, Hexavalent Chromium and pH as specified by the contract. The project was completed on September 15, 2009.


Laboratory Manager

Date: 9/15/09



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SAMPLE DATA
SUMMARY PACKAGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	*VOA GC/MS Method	*BNA GC/MS Method	*PCB GC Method	*Pest GC Method	*Metals	*Other CN
MW-4R	090812001-001	X				X	X
MW-7	090812001-002	X				X	X
MW-4	090812001-003	X				X	X
MW-6	090812001-004	X				X	X
Trip Blank	090812001-005	X					
MW-10	090813001-005	X				X	X
MW-9	090813001-006	X				X	X
MW-13	090813001-007	X				X	X
MW-16	090813001-008	X				X	X
DUP 1	090813001-009	X				X	X
MW-17	090813001-010	X				X	X
MW-11	090813001-011	X				X	X
MW-1	090813001-013	X				X	X
MW-1R	090813001-014	X				X	X
MW-2	090813001-015	X				X	X
Trip Blank	090813001-016	X					
Influent	090813001-017	X				X	X
Effluent	090813001-018	X				X	X
MW-3	090813037-004	X				X	X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

VOLATILE (VOA)

ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
090812001-001	WATER	8/11/09	8/11/09	N/A	8/14/09
090812001-002	WATER	8/11/09	8/11/09	N/A	8/14/09
090812001-003	WATER	8/11/09	8/11/09	N/A	8/14/09
090812001-004	WATER	8/11/09	8/11/09	N/A	8/14/09
090812001-005	WATER	8/11/09	8/11/09	N/A	8/14/09
090813001-005	WATER	8/12/09	8/12/09	N/A	8/17/09
090813001-006	WATER	8/12/09	8/12/09	N/A	8/17/09
090813001-007	WATER	8/12/09	8/12/09	N/A	8/17/09
090813001-008	WATER	8/12/09	8/12/09	N/A	8/17/09
090813001-009	WATER	8/12/09	8/12/09	N/A	8/17/09
090813001-010	WATER	8/12/09	8/12/09	N/A	8/17/09
090813001-011	WATER	8/12/09	8/12/09	N/A	8/14/09
090813001-013	WATER	8/12/09	8/12/09	N/A	8/17/09
090813001-014	WATER	8/12/09	8/12/09	N/A	8/17/09
090813001-015	WATER	8/12/09	8/12/09	N/A	8/20/09
090813001-016	WATER	8/12/09	8/12/09	N/A	8/17/09
090813001-017	WATER	8/12/09	8/12/09	N/A	8/20/09
090813001-018	WATER	8/12/09	8/12/09	N/A	8/20/09
090813037-004	WATER	8/13/09	8/13/09	N/A	8/17/09

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Prepared	Date Analyzed
090812001-001	WATER	ICP: Cr	8/11/09	8/24/09	8/25/09
		Hexavalent Chromium	8/11/09		8/12/09
090812001-002	WATER	ICP: Cr	8/11/09	8/24/09	8/25/09
		Hexavalent Chromium	8/11/09		8/12/09
090812001-003	WATER	ICP: Cr	8/11/09	8/24/09	8/25/09
		Hexavalent Chromium	8/11/09		8/12/09
090812001-004	WATER	ICP: Cr	8/11/09	8/24/09	8/25/09
		Hexavalent Chromium	8/11/09		8/12/09
090813001-005	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09
090813001-006	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09
090813001-007	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09
090813001-008	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09
090813001-009	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09
090813001-010	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09
090813001-011	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Prepared	Date Analyzed
090813001-013	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09
090813001-014	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09
090813001-015	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		Hexavalent Chromium	8/12/09		8/13/09
090813001-017	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		pH	8/12/09		8/13/09
090813001-018	WATER	ICP: Cr	8/12/09	8/24/09	8/25/09
		pH	8/12/09		8/13/09
090813037-004	WATER	ICP: Cr	8/13/09	8/24/09	8/25/09
		Hexavalent Chromium	8/13/09		8/13/09



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Case Narrative

Client: AECOM/Westford – Ward Products

Case: EN 0904

SDG: Effluent

<u>Sample ID</u>	<u>Laboratory Sample ID</u>	<u>Date Received</u>	<u>VTSR</u>	<u>Matrix</u>
MW-4R	090812001-001	08/11/09	18:15	Water
MW-7	090812001-002	08/11/09	18:15	Water
MW-4	090812001-003	08/11/09	18:15	Water
MW-6	090812001-004	08/11/09	18:15	Water
Trip Blank	090812001-005	08/11/09	18:15	Water
MW-10	090813001-005	08/12/09	17:50	Water
MW-9	090813001-006	08/12/09	17:50	Water
MW-13	090813001-007	08/12/09	17:50	Water
MW-16	090813001-008	08/12/09	17:50	Water
DUP 1	090813001-009	08/12/09	17:50	Water
MW-17	090813001-010	08/12/09	17:50	Water
MW-11	090813001-011	08/12/09	17:50	Water
MW-1	090813001-013	08/12/09	17:50	Water
MW-1R	090813001-014	08/12/09	17:50	Water
MW-2	090813001-015	08/12/09	17:50	Water
Trip Blank	090813001-016	08/12/09	17:50	Water
Influent	090813001-017	08/12/09	17:50	Water
Effluent	090813001-018	08/12/09	17:50	Water
MW-3	090813037-004	08/13/09	12:01	Water

Volatile Organics

- 1) The samples were analyzed using EPA Method 8260 following the criteria for NYSDEC ASP.
- 2) The samples received on 8/11/09 had a temperature of 2 °C. The samples received on 8/12/09 had a temperature of 3 °C. The sample received on 8/13/09 had a temperature of 2 °C.
- 3) The water samples were preserved with HCl to a pH of less than 2. All samples were analyzed within the required holding times.



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- 4) The %RSD for the compound 1,2,4-Trichlorobenzene in the initial calibration analyzed on 8/11/09 was outside the criteria established by the method. The %RSD for this compound was 23.8 %. The RRF for the compound 1,2,4-Trichlorobenzene in the initial calibration analyzed on 8/11/09 was outside the criteria established by the method. The RRF for this compound was 0.192. According to the protocol, two volatile organic compounds may exceed the %RSD limit of 20.5 % as long as the %RSD is less than 40 % and the RRF is above 0.010. The %RSD was less than 40 % and the RRF was greater than 0.010 for this compound.
- 5) The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/14/09 was outside the criteria established by the method. The RRF for this compound was 0.161. According to the protocol, two volatile organic compounds may exceed the %D limit of 25.0 % as long as the %D is less than 40 % and the RRF is above 0.010. The %D was less than 40 % and the RRF was greater than 0.010 for this compound.
- 6) The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/17/09 was outside the criteria established by the method. The RRF for this compound was 0.167. According to the protocol, two volatile organic compounds may exceed the %D limit of 25.0 % as long as the %D is less than 40 % and the RRF is above 0.010. The %D was less than 40 % and the RRF was greater than 0.010 for these compounds.
- 7) The %D for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/20/09 was outside the criteria established by the method. The %D for this compound was 43.23 %. The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/20/09 was outside the criteria established by the method. The RRF for this compound was 0.109. According to the protocol, two volatile organic compounds may exceed the %RSD limit of 20.5 % as long as the %RSD is less than 40 % and the RRF is above 0.010. This compound was not present in any of the samples analyzed on this day.
- 8) Sample MW-3 (AES sample number 090813037-004) was used for the water matrix spike and the matrix spike duplicate analysis. All recoveries were within acceptable limits.
- 9) The surrogate recovery for Bromofluorobenzene for sample MW-3 MSD (AES sample number 090813037-004 MSD) was outside specified limits. According to the protocol, the matrix spike, matrix spike duplicate and matrix spike blank are not re-analyzed for surrogate recoveries outside specified limits. No further action is necessary.
- 10) The surrogate recovery for 1,2-Dichloroethane-d4 for sample MW-9 (AES sample number 090813001-006) was outside specified limits. According to the protocol, the sample should be re-analyzed. This sample was not re-analyzed due to an oversight. The recovery for this surrogate was just above the specified limit.



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- 11) The following samples were diluted prior to analysis due to the high levels of compounds present.

<u>Client ID</u>	<u>Laboratory ID</u>	<u>Final Dilution</u>
MW-4R	090812001-001	1:100
MW-7	090812001-002	1:2
MW-4	090812001-003	1:2
MW-6	090812001-004	1:20
MW-10	090813001-005	1:20
MW-13	090813001-007	1:10
DUP 1	090813001-009	1:5
MW-17	090813001-010	1:5
Influent	090813001-017	1:50
Effluent	090813001-018	1:5

- 12) The compound Methylene Chloride was present in the method blanks analyzed on 8/17/09 and 8/20/09. The levels of this compound are within the protocol specified limits. Samples with this compound present that are associated with this blank are flagged with a "B" as required by the protocol.
- 13) The column used in Instrument C for analysis was a DB-624, 20 meters long with an internal diameter of 0.18 mm. The trap used for this instrument is a VOCARB 4000 with Carbopack C&B / Carboxen 1000 & 1001.

Inorganics – Total Metals

- 1) The samples were analyzed for Total Chromium only.
- 2) The recovery for Aluminum, Calcium and Iron in the ICSA and the ICSAB check standards may be outside the required limit. The required concentration for these analytes in the check standards is 500,000 ug/L and 200,000 ug/L, respectively. The linear range on this instrument for Aluminum, Calcium and Iron is 250,000 ug/L, 200,000 ug/L and 80,000 ug/L, respectively. At this level accurate recovery of Aluminum, Calcium and Iron in the check standards is not possible. No further action is required.
- 3) Sample MW-10 (AES sample number 090813001-005) was used as the matrix spike and duplicate sample. All the recoveries were within acceptable limits.



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Conventionals

- 1) The samples were analyzed for Hexavalent Chromium only. Samples Influent and Effluent (AES sample numbers 090813001-017 and 090813001-018) were analyzed for pH only.
- 2) Sample MW-4R (AES sample number 090812001-001) was used as the matrix spike sample for Hexavalent Chromium. All the recoveries were within acceptable limits.
- 3) Sample MW-4R (AES sample number 090812001-001) was used as the duplicate sample for Hexavalent Chromium. All the recoveries were within acceptable limits.

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



Laboratory Manager

Date: 9/15/09

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Effluent

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-018A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3190.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 5.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	50	U	
74-87-3	Chloromethane	50	U	
75-01-4	Vinyl chloride	50	U	
74-83-9	Bromomethane	50	U	
75-00-3	Chloroethane	50	U	
75-69-4	Trichlorofluoromethane	25	U	
75-35-4	1,1-Dichloroethene	25	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	25	U	
75-15-0	Carbon disulfide	25	U	
67-64-1	Acetone	50	U	
79-20-9	Methyl Acetate	25	U	
75-09-2	Methylene Chloride	25	U	
156-60-5	trans-1,2-Dichloroethene	25	U	
1634-04-4	Methyl tert-butyl Ether	25	U	
75-34-3	1,1-Dichloroethane	25	U	
156-59-2	cis-1,2-Dichloroethene	25	U	
74-97-5	Bromochloromethane	25	U	
67-66-3	Chloroform	25	U	
110-82-7	Cyclohexane	25	U	
107-06-2	1,2-Dichloroethane	25	U	
78-93-3	2-Butanone	50	U	
108-87-2	Methyl Cyclohexane	25	U	
71-55-6	1,1,1-Trichloroethane	25	U	
56-23-5	Carbon Tetrachloride	25	U	
71-43-2	Benzene	25	U	
79-01-6	Trichloroethene	700		
78-87-5	1,2-Dichloropropane	25	U	
75-27-4	Bromodichloromethane	25	U	
10061-01-5	cis-1,3-Dichloropropene	25	U	
10061-02-6	trans-1,3-Dichloropropene	25	U	
79-00-5	1,1,2-Trichloroethane	25	U	
124-48-1	Dibromochloromethane	25	U	
106-93-4	1,2-Dibromoethane	25	U	
75-25-2	Bromoform	25	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Effluent

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-018A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3190.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 5.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	50	U	
108-88-3	Toluene	25	U	
127-18-4	Tetrachloroethene	25	U	
591-78-6	2-Hexanone	50	U	
108-90-7	Chlorobenzene	25	U	
100-41-4	Ethyl Benzene	25	U	
126777-61-2	m,p-Xylenes	25	U	
95-47-6	o-Xylene	25	U	
100-42-5	Styrene	25	U	
98-82-8	Isopropylbenzene	25	U	
79-34-5	1,1,2,2-Tetrachloroethane	25	U	
541-73-1	1,3-Dichlorobenzene	25	U	
106-46-7	1,4-Dichlorobenzene	25	U	
95-50-1	1,2-Dichlorobenzene	25	U	
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	
120-82-1	1,2,4-Trichlorobenzene	25	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Influent

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813001-017A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3201.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 50.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		500	U
74-87-3	Chloromethane		500	U
75-01-4	Vinyl chloride		500	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		500	U
75-69-4	Trichlorofluoromethane		250	U
75-35-4	1,1-Dichloroethene		250	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		250	U
75-15-0	Carbon disulfide		250	U
67-64-1	Acetone		500	U
79-20-9	Methyl Acetate		250	U
75-09-2	Methylene Chloride		250	U
156-60-5	trans-1,2-Dichloroethene		250	U
1634-04-4	Methyl tert-butyl Ether		250	U
75-34-3	1,1-Dichloroethane		250	U
156-59-2	cis-1,2-Dichloroethene		250	U
74-97-5	Bromochloromethane		250	U
67-66-3	Chloroform		250	U
110-82-7	Cyclohexane		250	U
107-06-2	1,2-Dichloroethane		250	U
78-93-3	2-Butanone		500	U
108-87-2	Methyl Cyclohexane		250	U
71-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		250	U
71-43-2	Benzene		250	U
79-01-6	Trichloroethene		6600	
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
10061-01-5	cis-1,3-Dichloropropene		250	U
10061-02-6	trans-1,3-Dichloropropene		250	U
79-00-5	1,1,2-Trichloroethane		250	U
124-48-1	Dibromochloromethane		250	U
106-93-4	1,2-Dibromoethane		250	U
75-25-2	Bromoform		250	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Influent

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-017A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3201.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 50.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	500	U	
108-88-3	Toluene	250	U	
127-18-4	Tetrachloroethene	250	U	
591-78-6	2-Hexanone	500	U	
108-90-7	Chlorobenzene	250	U	
100-41-4	Ethyl Benzene	250	U	
126777-61-2	m,p-Xylenes	250	U	
95-47-6	o-Xylene	250	U	
100-42-5	Styrene	250	U	
98-82-8	Isopropylbenzene	250	U	
79-34-5	1,1,2,2-Tetrachloroethane	250	U	
541-73-1	1,3-Dichlorobenzene	250	U	
106-46-7	1,4-Dichlorobenzene	250	U	
95-50-1	1,2-Dichlorobenzene	250	U	
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	
120-82-1	1,2,4-Trichlorobenzene	250	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813001-013A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3144.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	10	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	39		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090813001-013ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3144.D

Level (low/med): _____

Date Received: 8/12/09% Moisture: not dec. 100Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1R

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813001-014A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3145.D

Level (low/med):

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624

ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	7.4	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.3		
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	100		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1R

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-014A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3145.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-015A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3188.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: AES, Inc. Contract: ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent
 Matrix (soil/water): WATER Lab Sample ID: 090813001-015A
 Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3188.D
 Level (low/med): _____ Date Received: 8/12/09
 % Moisture: not dec. 100 Date Analyzed: 8/20/09
 GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813037-004A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3142.D

Level (low/med): Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	11	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813037-004A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3142.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-003A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3106.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	20	U	
74-87-3	Chloromethane	20	U	
75-01-4	Vinyl chloride	20	U	
74-83-9	Bromomethane	20	U	
75-00-3	Chloroethane	20	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	10	U	
75-15-0	Carbon disulfide	10	U	
67-64-1	Acetone	20	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
74-97-5	Bromochloromethane	10	U	
67-66-3	Chloroform	10	U	
110-82-7	Cyclohexane	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	20	U	
108-87-2	Methyl Cyclohexane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
79-01-6	Trichloroethene	290		
78-87-5	1,2-Dichloropropane	10	U	
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
124-48-1	Dibromochloromethane	10	U	
106-93-4	1,2-Dibromoethane	10	U	
75-25-2	Bromoform	10	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-003A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3106.D

Level (low/med): Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	20	U	
108-88-3	Toluene	10	U	
127-18-4	Tetrachloroethene	10	U	
591-78-6	2-Hexanone	20	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethyl Benzene	10	U	
126777-61-2	m,p-Xylenes	10	U	
95-47-6	o-Xylene	10	U	
100-42-5	Styrene	10	U	
98-82-8	Isopropylbenzene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
541-73-1	1,3-Dichlorobenzene	10	U	
106-46-7	1,4-Dichlorobenzene	10	U	
95-50-1	1,2-Dichlorobenzene	10	U	
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	
120-82-1	1,2,4-Trichlorobenzene	10	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4R

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090812001-001ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3120.D

Level (low/med): _____

Date Received: 8/11/09% Moisture: not dec. 100Date Analyzed: 8/14/09GC Column: DB624ID: 0.18 (mm)Dilution Factor: 100.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		1000	U
75-01-4	Vinyl chloride		1000	U
74-83-9	Bromomethane		1000	U
75-00-3	Chloroethane		1000	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		500	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		500	U
75-15-0	Carbon disulfide		500	U
67-64-1	Acetone		1000	U
79-20-9	Methyl Acetate		500	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
1634-04-4	Methyl tert-butyl Ether		500	U
75-34-3	1,1-Dichloroethane		500	U
156-59-2	cis-1,2-Dichloroethene		500	U
74-97-5	Bromochloromethane		500	U
67-66-3	Chloroform		500	U
110-82-7	Cyclohexane		500	U
107-06-2	1,2-Dichloroethane		500	U
78-93-3	2-Butanone		1000	U
108-87-2	Methyl Cyclohexane		500	U
71-55-6	1,1,1-Trichloroethane		500	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		500	U
79-01-6	Trichloroethene		10000	
78-87-5	1,2-Dichloropropane		500	U
75-27-4	Bromodichloromethane		500	U
10061-01-5	cis-1,3-Dichloropropene		500	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
124-48-1	Dibromochloromethane		500	U
106-93-4	1,2-Dibromoethane		500	U
75-25-2	Bromoform		500	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4R

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090812001-001A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3120.D

Level (low/med): _____

Date Received: 8/11/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 100.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		1000	U
108-88-3	Toluene		500	U
127-18-4	Tetrachloroethene		500	U
591-78-6	2-Hexanone		1000	U
108-90-7	Chlorobenzene		500	U
100-41-4	Ethyl Benzene		500	U
126777-61-2	m,p-Xylenes		500	U
95-47-6	o-Xylene		500	U
100-42-5	Styrene		500	U
98-82-8	Isopropylbenzene		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U
541-73-1	1,3-Dichlorobenzene		500	U
106-46-7	1,4-Dichlorobenzene		500	U
95-50-1	1,2-Dichlorobenzene		500	U
96-12-8	1,2-Dibromo-3-Chloropropane		1000	U
120-82-1	1,2,4-Trichlorobenzene		500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-004A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3107.D

Level (low/med): Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 20.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	200	U	
74-87-3	Chloromethane	200	U	
75-01-4	Vinyl chloride	200	U	
74-83-9	Bromomethane	200	U	
75-00-3	Chloroethane	200	U	
75-69-4	Trichlorofluoromethane	100	U	
75-35-4	1,1-Dichloroethene	100	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	100	U	
75-15-0	Carbon disulfide	100	U	
67-64-1	Acetone	260		
79-20-9	Methyl Acetate	100	U	
75-09-2	Methylene Chloride	100		
156-60-5	trans-1,2-Dichloroethene	100	U	
1634-04-4	Methyl tert-butyl Ether	100	U	
75-34-3	1,1-Dichloroethane	100	U	
156-59-2	cis-1,2-Dichloroethene	100	U	
74-97-5	Bromochloromethane	100	U	
67-66-3	Chloroform	100	U	
110-82-7	Cyclohexane	100	U	
107-06-2	1,2-Dichloroethane	100	U	
78-93-3	2-Butanone	200	U	
108-87-2	Methyl Cyclohexane	100	U	
71-55-6	1,1,1-Trichloroethane	100	U	
56-23-5	Carbon Tetrachloride	100	U	
71-43-2	Benzene	100	U	
79-01-6	Trichloroethene	4000		
78-87-5	1,2-Dichloropropane	100	U	
75-27-4	Bromodichloromethane	100	U	
10061-01-5	cis-1,3-Dichloropropene	100	U	
10061-02-6	trans-1,3-Dichloropropene	100	U	
79-00-5	1,1,2-Trichloroethane	100	U	
124-48-1	Dibromochloromethane	100	U	
106-93-4	1,2-Dibromoethane	100	U	
75-25-2	Bromoform	100	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090812001-004A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3107.D

Level (low/med): _____

Date Received: 8/11/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 20.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	200	U	
108-88-3	Toluene	100	U	
127-18-4	Tetrachloroethene	71	J	
591-78-6	2-Hexanone	200	U	
108-90-7	Chlorobenzene	100	U	
100-41-4	Ethyl Benzene	100	U	
126777-61-2	m,p-Xylenes	100	U	
95-47-6	o-Xylene	100	U	
100-42-5	Styrene	100	U	
98-82-8	Isopropylbenzene	100	U	
79-34-5	1,1,2,2-Tetrachloroethane	100	U	
541-73-1	1,3-Dichlorobenzene	100	U	
106-46-7	1,4-Dichlorobenzene	100	U	
95-50-1	1,2-Dichlorobenzene	100	U	
96-12-8	1,2-Dibromo-3-Chloropropane	200	U	
120-82-1	1,2,4-Trichlorobenzene	100	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-002A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3109.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	20	U	
74-87-3	Chloromethane	20	U	
75-01-4	Vinyl chloride	20	U	
74-83-9	Bromomethane	20	U	
75-00-3	Chloroethane	20	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	10	U	
75-15-0	Carbon disulfide	10	U	
67-64-1	Acetone	20	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
74-97-5	Bromochloromethane	10	U	
67-66-3	Chloroform	10	U	
110-82-7	Cyclohexane	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	20	U	
108-87-2	Methyl Cyclohexane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
79-01-6	Trichloroethene	390		
78-87-5	1,2-Dichloropropane	10	U	
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
124-48-1	Dibromochloromethane	10	U	
106-93-4	1,2-Dibromoethane	10	U	
75-25-2	Bromoform	10	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090812001-002A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3109.D

Level (low/med):

Date Received: 8/11/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 2.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	20	U	
108-88-3	Toluene	10	U	
127-18-4	Tetrachloroethene	10	U	
591-78-6	2-Hexanone	20	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethyl Benzene	10	U	
126777-61-2	m,p-Xylenes	10	U	
95-47-6	o-Xylene	10	U	
100-42-5	Styrene	10	U	
98-82-8	Isopropylbenzene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
541-73-1	1,3-Dichlorobenzene	10	U	
106-46-7	1,4-Dichlorobenzene	10	U	
95-50-1	1,2-Dichlorobenzene	10	U	
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	
120-82-1	1,2,4-Trichlorobenzene	10	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813001-006A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3125.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		11	B
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		110	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-006A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3125.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.:

EN0904

SAS No.:

SDG No.:

Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813001-005A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3124.D

Level (low/med):

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624

ID: 0.18

(mm)

Dilution Factor: 20.0

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	200	U	
74-87-3	Chloromethane	200	U	
75-01-4	Vinyl chloride	200	U	
74-83-9	Bromomethane	200	U	
75-00-3	Chloroethane	200	U	
75-69-4	Trichlorofluoromethane	100	U	
75-35-4	1,1-Dichloroethene	100	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	100	U	
75-15-0	Carbon disulfide	100	U	
67-64-1	Acetone	200	U	
79-20-9	Methyl Acetate	100	U	
75-09-2	Methylene Chloride	240	B	
156-60-5	trans-1,2-Dichloroethene	100	U	
1634-04-4	Methyl tert-butyl Ether	100	U	
75-34-3	1,1-Dichloroethane	100	U	
156-59-2	cis-1,2-Dichloroethene	100	U	
74-97-5	Bromochloromethane	100	U	
67-66-3	Chloroform	100	U	
110-82-7	Cyclohexane	100	U	
107-06-2	1,2-Dichloroethane	100	U	
78-93-3	2-Butanone	200	U	
108-87-2	Methyl Cyclohexane	100	U	
71-55-6	1,1,1-Trichloroethane	100	U	
56-23-5	Carbon Tetrachloride	100	U	
71-43-2	Benzene	100	U	
79-01-6	Trichloroethene	3400		
78-87-5	1,2-Dichloropropane	100	U	
75-27-4	Bromodichloromethane	100	U	
10061-01-5	cis-1,3-Dichloropropene	100	U	
10061-02-6	trans-1,3-Dichloropropene	100	U	
79-00-5	1,1,2-Trichloroethane	100	U	
124-48-1	Dibromochloromethane	100	U	
106-93-4	1,2-Dibromoethane	100	U	
75-25-2	Bromoform	100	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090813001-005ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3124.D

Level (low/med): _____

Date Received: 8/12/09% Moisture: not dec. 100Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm)Dilution Factor: 20.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	200	U	
108-88-3	Toluene	100	U	
127-18-4	Tetrachloroethene	100	U	
591-78-6	2-Hexanone	200	U	
108-90-7	Chlorobenzene	100	U	
100-41-4	Ethyl Benzene	100	U	
126777-61-2	m,p-Xylenes	100	U	
95-47-6	o-Xylene	100	U	
100-42-5	Styrene	100	U	
98-82-8	Isopropylbenzene	100	U	
79-34-5	1,1,2,2-Tetrachloroethane	100	U	
541-73-1	1,3-Dichlorobenzene	100	U	
106-46-7	1,4-Dichlorobenzene	100	U	
95-50-1	1,2-Dichlorobenzene	100	U	
96-12-8	1,2-Dibromo-3-Chloropropane	200	U	
120-82-1	1,2,4-Trichlorobenzene	100	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-011A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3121.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-011A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3121.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813001-007A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3126.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 10.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	100	U	
74-87-3	Chloromethane	100	U	
75-01-4	Vinyl chloride	100	U	
74-83-9	Bromomethane	100	U	
75-00-3	Chloroethane	100	U	
75-69-4	Trichlorofluoromethane	50	U	
75-35-4	1,1-Dichloroethene	50	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	50	U	
75-15-0	Carbon disulfide	50	U	
67-64-1	Acetone	100	U	
79-20-9	Methyl Acetate	50	U	
75-09-2	Methylene Chloride	73	B	
156-60-5	trans-1,2-Dichloroethene	50	U	
1634-04-4	Methyl tert-butyl Ether	50	U	
75-34-3	1,1-Dichloroethane	50	U	
156-59-2	cis-1,2-Dichloroethene	66		
74-97-5	Bromochloromethane	50	U	
67-66-3	Chloroform	50	U	
110-82-7	Cyclohexane	50	U	
107-06-2	1,2-Dichloroethane	50	U	
78-93-3	2-Butanone	100	U	
108-87-2	Methyl Cyclohexane	50	U	
71-55-6	1,1,1-Trichloroethane	50	U	
56-23-5	Carbon Tetrachloride	50	U	
71-43-2	Benzene	50	U	
79-01-6	Trichloroethene	1000		
78-87-5	1,2-Dichloropropane	50	U	
75-27-4	Bromodichloromethane	50	U	
10061-01-5	cis-1,3-Dichloropropene	50	U	
10061-02-6	trans-1,3-Dichloropropene	50	U	
79-00-5	1,1,2-Trichloroethane	50	U	
124-48-1	Dibromochloromethane	50	U	
106-93-4	1,2-Dibromoethane	50	U	
75-25-2	Bromoform	50	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-007A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3126.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 10.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	100	U	
108-88-3	Toluene	50	U	
127-18-4	Tetrachloroethene	50	U	
591-78-6	2-Hexanone	100	U	
108-90-7	Chlorobenzene	50	U	
100-41-4	Ethyl Benzene	50	U	
126777-61-2	m,p-Xylenes	50	U	
95-47-6	o-Xylene	50	U	
100-42-5	Styrene	50	U	
98-82-8	Isopropylbenzene	50	U	
79-34-5	1,1,2,2-Tetrachloroethane	50	U	
541-73-1	1,3-Dichlorobenzene	50	U	
106-46-7	1,4-Dichlorobenzene	50	U	
95-50-1	1,2-Dichlorobenzene	50	U	
96-12-8	1,2-Dibromo-3-Chloropropane	100	U	
120-82-1	1,2,4-Trichlorobenzene	50	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-16

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-008A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3127.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.2	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-16

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-008A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3127.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-17

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090813001-010ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3129.D

Level (low/med): _____

Date Received: 8/12/09% Moisture: not dec. 100Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm)Dilution Factor: 5.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	50	U	
74-87-3	Chloromethane	50	U	
75-01-4	Vinyl chloride	50	U	
74-83-9	Bromomethane	50	U	
75-00-3	Chloroethane	50	U	
75-69-4	Trichlorofluoromethane	25	U	
75-35-4	1,1-Dichloroethene	25	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	25	U	
75-15-0	Carbon disulfide	25	U	
67-64-1	Acetone	50	U	
79-20-9	Methyl Acetate	25	U	
75-09-2	Methylene Chloride	30	B	
156-60-5	trans-1,2-Dichloroethene	25	U	
1634-04-4	Methyl tert-butyl Ether	25	U	
75-34-3	1,1-Dichloroethane	25	U	
156-59-2	cis-1,2-Dichloroethene	48		
74-97-5	Bromochloromethane	25	U	
67-66-3	Chloroform	25	U	
110-82-7	Cyclohexane	25	U	
107-06-2	1,2-Dichloroethane	25	U	
78-93-3	2-Butanone	50	U	
108-87-2	Methyl Cyclohexane	25	U	
71-55-6	1,1,1-Trichloroethane	25	U	
56-23-5	Carbon Tetrachloride	25	U	
71-43-2	Benzene	25	U	
79-01-6	Trichloroethene	600		
78-87-5	1,2-Dichloropropane	25	U	
75-27-4	Bromodichloromethane	25	U	
10061-01-5	cis-1,3-Dichloropropene	25	U	
10061-02-6	trans-1,3-Dichloropropene	25	U	
79-00-5	1,1,2-Trichloroethane	25	U	
124-48-1	Dibromochloromethane	25	U	
106-93-4	1,2-Dibromoethane	25	U	
75-25-2	Bromoform	25	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-17

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090813001-010ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3129.D

Level (low/med): _____

Date Received: 8/12/09% Moisture: not dec. 100Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm)Dilution Factor: 5.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		50	U
108-88-3	Toluene		25	U
127-18-4	Tetrachloroethene		25	U
591-78-6	2-Hexanone		50	U
108-90-7	Chlorobenzene		25	U
100-41-4	Ethyl Benzene		25	U
126777-61-2	m,p-Xylenes		25	U
95-47-6	o-Xylene		25	U
100-42-5	Styrene		25	U
98-82-8	Isopropylbenzene		25	U
79-34-5	1,1,2,2-Tetrachloroethane		25	U
541-73-1	1,3-Dichlorobenzene		25	U
106-46-7	1,4-Dichlorobenzene		25	U
95-50-1	1,2-Dichlorobenzene		25	U
96-12-8	1,2-Dibromo-3-Chloropropane		50	U
120-82-1	1,2,4-Trichlorobenzene		25	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP 1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-009A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3128.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 5.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	50	U	
74-87-3	Chloromethane	50	U	
75-01-4	Vinyl chloride	50	U	
74-83-9	Bromomethane	50	U	
75-00-3	Chloroethane	50	U	
75-69-4	Trichlorofluoromethane	25	U	
75-35-4	1,1-Dichloroethene	25	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	25	U	
75-15-0	Carbon disulfide	25	U	
67-64-1	Acetone	50	U	
79-20-9	Methyl Acetate	25	U	
75-09-2	Methylene Chloride	28	B	
156-60-5	trans-1,2-Dichloroethene	25	U	
1634-04-4	Methyl tert-butyl Ether	25	U	
75-34-3	1,1-Dichloroethane	25	U	
156-59-2	cis-1,2-Dichloroethene	32		
74-97-5	Bromochloromethane	25	U	
67-66-3	Chloroform	25	U	
110-82-7	Cyclohexane	25	U	
107-06-2	1,2-Dichloroethane	25	U	
78-93-3	2-Butanone	50	U	
108-87-2	Methyl Cyclohexane	25	U	
71-55-6	1,1,1-Trichloroethane	25	U	
56-23-5	Carbon Tetrachloride	25	U	
71-43-2	Benzene	25	U	
79-01-6	Trichloroethene	490		
78-87-5	1,2-Dichloropropane	25	U	
75-27-4	Bromodichloromethane	25	U	
10061-01-5	cis-1,3-Dichloropropene	25	U	
10061-02-6	trans-1,3-Dichloropropene	25	U	
79-00-5	1,1,2-Trichloroethane	25	U	
124-48-1	Dibromochloromethane	25	U	
106-93-4	1,2-Dibromoethane	25	U	
75-25-2	Bromoform	25	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP 1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-009A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3128.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 5.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	50	U	
108-88-3	Toluene	25	U	
127-18-4	Tetrachloroethene	25	U	
591-78-6	2-Hexanone	50	U	
108-90-7	Chlorobenzene	25	U	
100-41-4	Ethyl Benzene	25	U	
126777-61-2	m,p-Xylenes	25	U	
95-47-6	o-Xylene	25	U	
100-42-5	Styrene	25	U	
98-82-8	Isopropylbenzene	25	U	
79-34-5	1,1,2,2-Tetrachloroethane	25	U	
541-73-1	1,3-Dichlorobenzene	25	U	
106-46-7	1,4-Dichlorobenzene	25	U	
95-50-1	1,2-Dichlorobenzene	25	U	
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	
120-82-1	1,2,4-Trichlorobenzene	25	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-005A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3100.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-005A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3100.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-016A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3133.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.6	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-016A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3133.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Effluent

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-018B
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	71.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Influent

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-017B
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	67.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-013C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	14.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-1R

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Matrix (soil/water): WATER Lab Sample ID: 090813001-014C
 Level (low/med): LOW Date Received: 8/13/2009
 % Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	122			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-015C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	7.0	B		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813037-004C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

MW-4

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	29.6			P

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-4R

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090812001-001B
Level (low/med): LOW Date Received: 8/12/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	34.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090812001-004B
Level (low/med): LOW Date Received: 8/12/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	47.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090812001-002B
Level (low/med): LOW Date Received: 8/12/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	24.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-006C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: Clarity Before: Texture:
Color After: Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Matrix (soil/water): WATER Lab Sample ID: 090813001-005C
 Level (low/med): LOW Date Received: 8/13/2009
 % Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
 Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Matrix (soil/water): WATER Lab Sample ID: 090813001-011C
 Level (low/med): LOW Date Received: 8/13/2009
 % Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Matrix (soil/water): WATER Lab Sample ID: 090813001-007C
 Level (low/med): LOW Date Received: 8/13/2009
 % Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	19.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-16

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Matrix (soil/water): WATER Lab Sample ID: 090813001-008C
 Level (low/med): LOW Date Received: 8/13/2009
 % Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-17

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-010C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DUP 1

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Matrix (soil/water): WATER Lab Sample ID: 090813001-009C
 Level (low/med): LOW Date Received: 8/13/2009
 % Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

Effluent

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-018

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH	8.1			SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium				SM 3500 CR D

Comments

FORM I - CONV

: 00064

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

Influent

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-017

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH	7.5			SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium				SM 3500 CR D

Comments

FORM I - CONV

: 00065

U.S. EPA - CLP

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CONVENTIONALS ANALYSIS DATA SHEET

MW-1

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-013

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

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CONVENTIONALS ANALYSIS DATA SHEET

MW-1R

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-014

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	110			SM 3500 CR D

Comments

FORM I - CONV

: 00067

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-2

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-015

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

FORM I - CONV

: 00058

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-3

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813037-004

Level (Low/Med): Low

Date Received: 8/13/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

FORM I - CONV

: 00069

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-4

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090812001-003

Level (Low/Med): Low

Date Received: 8/11/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	30			SM 3500 CR D

Comments

FORM I - CONV

: 00070

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-4R

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090812001-001

Level (Low/Med): Low

Date Received: 8/11/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20			SM 3500 CR D

Comments

FORM I - CONV

: 00071

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-6

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090812001-004

Level (Low/Med): Low

Date Received: 8/11/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	50			SM 3500 CR D

Comments

FORM I - CONV

: 00072

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-7

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090812001-002

Level (Low/Med): Low

Date Received: 8/11/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	30			SM 3500 CR D

Comments

FORM I - CONV

: 00073

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-9

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-006

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

FORM I - CONV

: 00074

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-10

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-005

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

FORM I - CONV

: 00075

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-11

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-011

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

FORM I - CONV

: 00076

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-13

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-007

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

FORM I - CONV

: 00077

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-16

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-008

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

FORM I - CONV

: 00078

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-17

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-010

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

FORM I - CONV

: 00079

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

DUP 1

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-009

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AES, Inc. Contract: ENSR-Ward Products
 Lab Code: AES CASE No.: EN0904 SAS No.: _____ SDG NO.: Effluent

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	SMC4	TOT OUT
01	VBLK01	113	102	107		0
02	Trip Blank	111	99	103		0
03	MW-4	114	101	107		0
04	MW-6	111	98	105		0
05	MW-7	112	97	105		0
06	MW-4R	113	103	106		0
07	MW-11	114	104	111		0
08	VBLK02	112	90	100		0
09	MW-10	112	100	106		0
10	MW-9	118 *	101	108		1
11	MW-13	106	90	99		0
12	MW-16	110	104	108		0
13	DUP 1	113	97	102		0
14	MW-17	114	100	102		0
15	Trip Blank	112	109	114		0
16	MW-3	110	106	112		0
17	MW-1	113	100	106		0
18	MW-1R	113	105	113		0
19	VBLK03	113	103	115		0
20	MW-2	112	110	113		0
21	Effluent	113	110	113		0
22	MW-3MS	100	105	112		0
23	MW-3MSD	106	105	118 *		1
24	VMSE	103	104	112		0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (76-114)
 SMC2 (TOL) = Toluene-d8 (88-110)
 SMC3 (BFB) = Bromofluorobenzene (86-115)

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

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES CASE No.: EN0904 SAS No.: _____ SDG NO.: Effluent

25

EPA Sample NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	SMC4	TOT OUT
Influent	113	109	113		0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (76-114)
 SMC2 (TOL) = Toluene-d8 (88-110)
 SMC3 (BFB) = Bromofluorobenzene (86-115)

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

Contract: ENSR-Ward Products

Matrix Spike - EPA Sample No: MW-3

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
1,1-Dichloroethene	50	55	110	10	14	(61-145)
Benzene	50	57	114	5	11	(76-127)
Trichloroethene	50	55	110	6	14	(71-120)
Toluene	50	53	106	4	13	(76-125)
Chlorobenzene	50	55	110	6	13	(75-130)

Comments:

Contract: ENSR-Ward Products

Laboratory Control Spike - EPA Sample No: VM5B

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
1,1-Dichloroethene	50		57	114	(61-145)
Benzene	50		57	114	(76-127)
Trichloroethene	50		53	106	(71-120)
Toluene	50		51	102	(76-125)
Chlorobenzene	50		54	108	(75-130)

Comments:

DUPLICATES

SAMPLE NO.

MW-10DP

Lab Name: Adirondack Environmental Contract: Ward Products

Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent

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
Chromium		5.2100	U	5.2100	U			P

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DUPLICATES

MW-4R

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

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 % R	Sample (S)	C	Duplicate (D)	C	% R	Q	M
TKN as N								
Ammonia, as N								
Nitrate								
COD								
BOD 5								
TOC								
TDS								
Sulfate								
Alkalinity								
Total Phenols								
Chloride								
Bromide								
Eh								
Specific Conductance								
Cyanide								
pH								
Turbidity								
Color								
Hexavalent Chromium	20	227		223		1.8		

Comments Hexavalent Chromium duplicate from MS/MSD

FORM VI - CONV

: 000000

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-10MS

Lab Name: Adirondack Environmental Contract: Ward ProductsLab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATER Level (low/med): LOW% Solids for Sample: 0.0Concentration 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
Chromium	75 - 125	201.6644	5.2100 U	200.00	100.8		P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-10A

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
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
Chromium		422.51	5.21 U	400.0	105.6		P

Comments: _____

U.S. EPA - CLP

5

SPIKE SAMPLE RECOVERY

MW-4R

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904 SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Level (Low/Med): Low

% Solids: 0.0

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

Analyte	Control	Spiked		Sample		Spike	% R	Q	M
	Limit % R	Result (SSR)	C	Result (SR)	C	Added (SA)			
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC									
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium	75-125	227		20		200	104		

Comments

FORM V (Part 1) - CONV

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904

SAS No.: _____ SDG NO.: Effluent

Lab File ID: CB209.D

Lab Sample ID: VBLK01

Date Analyzed: 8/14/2009

Time Analyzed: 10:43

GC Column: DB624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
Trip Blank	090812001-005A	C3100.D	11:11
MW-4	090812001-003A	C3106.D	14:01
MW-6	090812001-004A	C3107.D	14:30
MW-7	090812001-002A	C3109.D	15:27
MW-4R	090812001-001A	C3120.D	20:37
MW-11	090813001-011A	C3121.D	21:05

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

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

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB209.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc. Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: SDG No.: EffluentMatrix (soil/water): WATER Lab Sample ID: VBLK01Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB209.DLevel (low/med): Date Received: % Moisture: not dec. 100 Date Analyzed: 8/14/09GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904

SAS No.: _____ SDG NO.: Effluent

Lab File ID: CB210.D

Lab Sample ID: VBLK02

Date Analyzed: 8/17/2009

Time Analyzed: 12:43

GC Column: DB624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
MW-10	090813001-005A	C3124.D	13:12
MW-9	090813001-006A	C3125.D	13:40
MW-13	090813001-007A	C3126.D	14:08
MW-16	090813001-008A	C3127.D	14:37
DUP 1	090813001-009A	C3128.D	15:05
MW-17	090813001-010A	C3129.D	15:34
Trip Blank	090813001-016A	C3133.D	17:27
MW-3	090813037-004A	C3142.D	21:44
MW-1	090813001-013A	C3144.D	22:40
MW-1R	090813001-014A	C3145.D	23:09

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: VBLK02

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB210.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	6.8		
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: AES, Inc. Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: VBLK02Sample wt/vol: 5.0 (g/mL) mlLab File ID: CB210.DLevel (low/med): Date Received: % Moisture: not dec. 100Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm)Dilution Factor: 1.0Soil Extract Volume: (uL)Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK03

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904

SAS No.: _____ SDG NO.: Effluent

Lab File ID: CB217.D

Lab Sample ID: VBLK03

Date Analyzed: 8/20/2009

Time Analyzed: 13:22

GC Column: DB624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
MW-2	090813001-015A	C3188.D	13:51
Effluent	090813001-018A	C3190.D	14:48
MW-3MS	090813037-004AMS	C3191.D	15:16
MW-3MSD	090813037-004AMSD	C3192.D	15:44
VMSB	VMSB	C3193.D	16:12
Influent	090813001-017A	C3201.D	19:58

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: VBLK03

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB217.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	8.5		
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: AES, Inc. Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: SDG No.: EffluentMatrix (soil/water): WATER Lab Sample ID: VBLK03Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB217.DLevel (low/med): Date Received: % Moisture: not dec. 100 Date Analyzed: 8/20/09GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

BLANKS

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 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	
		1	2	3					
		C	C	C	C	C	C	C	M
Chromium	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.210 U	U	P

BLANKS

Lab Name: Adirondack Environmental Contract: Ward Products

Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent

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			
Chromium		5.2	U							P

U.S. EPA - CLP

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BLANKS

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Preparation Blank Matrix: Water

Preparation Blank Concentration Units: ug/L

Analyte	Initial Calib. Blank(ug/L)	C	Continuing Calibration						Prep. Blank C	Method
			1	C	2	C	3	C		
TKN as N										SM 4500 NH3 C
Ammonia, as N										EPA 350.1
Nitrate										EPA 300.0
COD										EPA 410.4
BOD 5										SM 5210B
TOC										SM 5310C
TDS										SM 2540C
Sulfate										EPA 300.0
Alkalinity										SM 2320B
Total Phenols										EPA 420.1
Chloride										EPA 300.0
Bromide										EPA 300.0
Eh										
Specific Conductance										EPA 120.1
Cyanide										EPA 335.4
pH										SM 4500 H+ B
Turbidity										EPA 180.1
Color										SM 2120B
Hexavalent Chromium	20	U	20	U	20	U			20	U SM 3500 CR D

Comments

FORM III - CONV

: 00101

U.S. EPA - CLP

3

BLANKS

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Preparation Blank Matrix:

Water

Preparation Blank Concentration Units: ug/L

Analyte	Initial Calib. Blank(ug/L)	C	Continuing Calibration						Prep. Blank		Method
			1	C	2	C	3	C	C	C	
TKN as N											SM 4500 NH3 C
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											SM 5210B
TOC											SM 5310C
TDS											SM 2540C
Sulfate											EPA 300.0
Alkalinity											SM 2320B
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.4
pH											SM 4500 H+ B
Turbidity											EPA 180.1
Color											SM 2120B
Hexavalent Chromium	20	U	20	U	20	U			20	U	SM 3500 CR D

Comments

FORM III - CONV

00102

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent
 Lab File ID: CS209.D Date Analyzed: 8/14/2009
 Instrument ID: MSVOAC Time Analyzed: 10:15
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1145582	5.29	461551	9.74	424402	12.79
UPPER LIMIT	2291164	5.79	923102	10.24	848804	13.29
LOWER LIMIT	572791	4.79	230776	9.24	212201	12.29
SAMPLE NO.						
VSTD050	1145582	5.29	461551	9.74	424402	12.79
VBLK01	1327267	5.29	567977	9.74	577658	12.79
Trip Blank	1414445	5.28	593984	9.73	599947	12.79
MW-4	1333266	5.29	571540	9.74	563746	12.79
MW-6	1395576	5.29	570883	9.74	571675	12.79
MW-7	1327671	5.28	568438	9.74	556021	12.79
MW-4R	1328686	5.30	571823	9.74	578686	12.79
MW-11	1323199	5.29	559434	9.74	549728	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: _____ Effluent _____
 Lab File ID: CS210.D Date Analyzed: 8/17/2009
 Instrument ID: MSVOAC Time Analyzed: 12:14
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1032647	5.30	466124	9.74	435096	12.80
UPPER LIMIT	2065294	5.80	932248	10.24	870192	13.30
LOWER LIMIT	516324	4.80	233062	9.24	217548	12.30
SAMPLE NO.						
VSTD050	1032647	5.30	466124	9.74	435096	12.80
VBLK02	1352320	5.29	597271	9.74	590672	12.79
MW-10	1405658	5.29	605344	9.74	612390	12.79
MW-9	1362843	5.29	581012	9.74	599582	12.79
MW-13	1504018	5.29	619984	9.74	610772	12.79
MW-16	1283224	5.29	536196	9.74	549508	12.79
DUP 1	1416839	5.29	591173	9.75	601796	12.79
MW-17	1375466	5.29	581309	9.74	591606	12.79
Trip Blank	1315531	5.30	560038	9.75	564519	12.79
MW-3	1281038	5.29	555799	9.74	561302	12.80
MW-1	1316107	5.29	571234	9.74	581927	12.79
MW-1R	1373895	5.29	583135	9.74	589656	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent
 Lab File ID: CS217.D Date Analyzed: 8/20/2009
 Instrument ID: MSVOAC Time Analyzed: 12:54
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1316173	5.30	546048	9.77	463422	12.81
UPPER LIMIT	2632346	5.80	1092096	10.27	926844	13.31
LOWER LIMIT	658087	4.80	273024	9.27	231711	12.31
SAMPLE NO.						
VSTD050	1316173	5.30	546048	9.77	463422	12.81
VBLK03	1407285	5.31	600644	9.76	533643	12.80
MW-2	1358470	5.30	564473	9.76	505655	12.81
Effluent	1414853	5.31	577297	9.76	514896	12.81
MW-3MS	1496271	5.30	600418	9.76	575407	12.81
MW-3MSD	1551040	5.31	636367	9.76	610280	12.81
VMSB	1456357	5.31	601877	9.76	585244	12.82
Influent	1330068	5.31	542680	9.76	489619	12.81

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SAMPLE DATA

PACKAGE



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Case Narrative

Client: AECOM/Westford – Ward Products

Case: EN 0904

SDG: Effluent

<u>Sample ID</u>	<u>Laboratory Sample ID</u>	<u>Date Received</u>	<u>VTSR</u>	<u>Matrix</u>
MW-4R	090812001-001	08/11/09	18:15	Water
MW-7	090812001-002	08/11/09	18:15	Water
MW-4	090812001-003	08/11/09	18:15	Water
MW-6	090812001-004	08/11/09	18:15	Water
Trip Blank	090812001-005	08/11/09	18:15	Water
MW-10	090813001-005	08/12/09	17:50	Water
MW-9	090813001-006	08/12/09	17:50	Water
MW-13	090813001-007	08/12/09	17:50	Water
MW-16	090813001-008	08/12/09	17:50	Water
DUP 1	090813001-009	08/12/09	17:50	Water
MW-17	090813001-010	08/12/09	17:50	Water
MW-11	090813001-011	08/12/09	17:50	Water
MW-1	090813001-013	08/12/09	17:50	Water
MW-1R	090813001-014	08/12/09	17:50	Water
MW-2	090813001-015	08/12/09	17:50	Water
Trip Blank	090813001-016	08/12/09	17:50	Water
Influent	090813001-017	08/12/09	17:50	Water
Effluent	090813001-018	08/12/09	17:50	Water
MW-3	090813037-004	08/13/09	12:01	Water

Volatile Organics

- 1) The samples were analyzed using EPA Method 8260 following the criteria for NYSDEC ASP.
- 2) The samples received on 8/11/09 had a temperature of 2 °C. The samples received on 8/12/09 had a temperature of 3 °C. The sample received on 8/13/09 had a temperature of 2 °C.
- 3) The water samples were preserved with HCl to a pH of less than 2. All samples were analyzed within the required holding times.



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- 4) The %RSD for the compound 1,2,4-Trichlorobenzene in the initial calibration analyzed on 8/11/09 was outside the criteria established by the method. The %RSD for this compound was 23.8 %. The RRF for the compound 1,2,4-Trichlorobenzene in the initial calibration analyzed on 8/11/09 was outside the criteria established by the method. The RRF for this compound was 0.192. According to the protocol, two volatile organic compounds may exceed the %RSD limit of 20.5 % as long as the %RSD is less than 40 % and the RRF is above 0.010. The %RSD was less than 40 % and the RRF was greater than 0.010 for this compound.
- 5) The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/14/09 was outside the criteria established by the method. The RRF for this compound was 0.161. According to the protocol, two volatile organic compounds may exceed the %D limit of 25.0 % as long as the %D is less than 40 % and the RRF is above 0.010. The %D was less than 40 % and the RRF was greater than 0.010 for this compound.
- 6) The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/17/09 was outside the criteria established by the method. The RRF for this compound was 0.167. According to the protocol, two volatile organic compounds may exceed the %D limit of 25.0 % as long as the %D is less than 40 % and the RRF is above 0.010. The %D was less than 40 % and the RRF was greater than 0.010 for these compounds.
- 7) The %D for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/20/09 was outside the criteria established by the method. The %D for this compound was 43.23 %. The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/20/09 was outside the criteria established by the method. The RRF for this compound was 0.109. According to the protocol, two volatile organic compounds may exceed the %RSD limit of 20.5 % as long as the %RSD is less than 40 % and the RRF is above 0.010. This compound was not present in any of the samples analyzed on this day.
- 8) Sample MW-3 (AES sample number 090813037-004) was used for the water matrix spike and the matrix spike duplicate analysis. All recoveries were within acceptable limits.
- 9) The surrogate recovery for Bromofluorobenzene for sample MW-3 MSD (AES sample number 090813037-004 MSD) was outside specified limits. According to the protocol, the matrix spike, matrix spike duplicate and matrix spike blank are not re-analyzed for surrogate recoveries outside specified limits. No further action is necessary.
- 10) The surrogate recovery for 1,2-Dichloroethane-d4 for sample MW-9 (AES sample number 090813001-006) was outside specified limits. According to the protocol, the sample should be re-analyzed. This sample was not re-analyzed due to an oversight. The recovery for this surrogate was just above the specified limit.



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- 11) The following samples were diluted prior to analysis due to the high levels of compounds present.

<u>Client ID</u>	<u>Laboratory ID</u>	<u>Final Dilution</u>
MW-4R	090812001-001	1:100
MW-7	090812001-002	1:2
MW-4	090812001-003	1:2
MW-6	090812001-004	1:20
MW-10	090813001-005	1:20
MW-13	090813001-007	1:10
DUP 1	090813001-009	1:5
MW-17	090813001-010	1:5
Influent	090813001-017	1:50
Effluent	090813001-018	1:5

- 12) The compound Methylene Chloride was present in the method blanks analyzed on 8/17/09 and 8/20/09. The levels of this compound are within the protocol specified limits. Samples with this compound present that are associated with this blank are flagged with a "B" as required by the protocol.
- 13) The column used in Instrument C for analysis was a DB-624, 20 meters long with an internal diameter of 0.18 mm. The trap used for this instrument is a VOCARB 4000 with Carbopack C&B / Carboxen 1000 & 1001.

Inorganics – Total Metals

- 1) The samples were analyzed for Total Chromium only.
- 2) The recovery for Aluminum, Calcium and Iron in the ICSA and the ICSAB check standards may be outside the required limit. The required concentration for these analytes in the check standards is 500,000 ug/L and 200,000 ug/L, respectively. The linear range on this instrument for Aluminum, Calcium and Iron is 250,000 ug/L, 200,000 ug/L and 80,000 ug/L, respectively. At this level accurate recovery of Aluminum, Calcium and Iron in the check standards is not possible. No further action is required.
- 3) Sample MW-10 (AES sample number 090813001-005) was used as the matrix spike and duplicate sample. All the recoveries were within acceptable limits.



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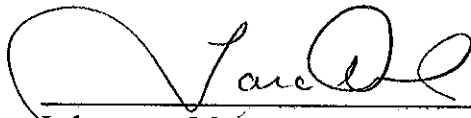
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Conventionals

- 1) The samples were analyzed for Hexavalent Chromium only. Samples Influent and Effluent (AES sample numbers 090813001-017 and 090813001-018) were analyzed for pH only.
- 2) Sample MW-4R (AES sample number 090812001-001) was used as the matrix spike sample for Hexavalent Chromium. All the recoveries were within acceptable limits.
- 3) Sample MW-4R (AES sample number 090812001-001) was used as the duplicate sample for Hexavalent Chromium. All the recoveries were within acceptable limits.

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



Laboratory Manager

Date: 9/15/09



090812001

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CHAIN OF CUSTODY RECORD

AES Work Order #

090813001

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Client Name: AECOM		Address: 2 Technology Dr. Westford MA 01886	
Send Report To: Paul Kilchenstein		Project Name (Location): Amsterdam NY	
Client Phone No: 603-224-3917		Client Fax No:	
PO Number:		Samplers: (Names) Eddie Zygarowski - Brendan Maye	
		Samplers: (Signature) Eddie Zygarowski	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Vols	Totaler Analysis Required	Hex Cr
				Matrix	Comp	Grab				
001	MW-14	8/11/09	6:15	A P GW			2	✓		
002	MW-15	8/11/09	7:16	A P GW			2	✓		
003	MW-19	8/11/09	5:43	A P GW			2	✓		
004	MW-20	8/11/09	7:14	A P GW			2	✓		
005	MW-10	8/12/09	3:36	A P GW			4	✓	✓	✓
006	MW-9	8/12/09	2:32	A P GW			4	✓	✓	✓
007	MW-13	8/12/09	1:22	A P GW			4	✓	✓	✓
008	MW-16	8/12/09	11:25	A P GW			4	✓	✓	✓
009	Dup. 2	8/12/09		A P GW			4	✓	✓	✓
010	MW-17	8/12/09	9:45	A P GW			4	✓	✓	✓
011	MW-11	8/12/09	10:46	A P GW			4	✓	✓	✓
012	MW-5	8/12/09	12:34	A P GW			2	✓		
013	MW-1	8/12/09	1:55	A P GW			4	✓	✓	✓
014	MW-1A	8/12/09	1:05	A P GW			4	✓	✓	✓

Shipment Arrived Via: FedEx UPS Client AES Other:		CC Report To / Special Instructions/Remarks: VOCs - 8260B Total Cr-6010B Hex Cr SM 3500-Cr-d	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) Eddie Zygarowski		Received by: (Signature) B.S. Yant	
Relinquished by: (Signature)		Received by: (Signature)	
Relinquished by: (Signature)		Received for Laboratory by: B.S. Yant	
Relinquished by: (Signature)		Received by: (Signature)	
Temperature: Ambient or Chilled Notes: 3°C		PROPERLY PRESERVED <input checked="" type="radio"/> Y <input type="radio"/> N Notes:	
		RECEIVED WITHIN HOLDING TIMES <input checked="" type="radio"/> Y <input type="radio"/> N Notes:	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

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• **RESEARCH** •



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CHAIN OF CUSTODY RECORD

AES Work Order #

090813037

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Client Name: AECOM		Address: 2 Technology Park Dr Westford MA, 01886	
Send Report To: Paul Kilchenstein		Project Name (Location): Amsterdam NY	
Client Phone No: 603-224-3917		Client Fax No:	
PO Number:		Samplers: (Names) Eddie Zygorovsk & Brandon Maye	
		Samplers: (Signature) Eddie Zygorovsk	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Yes	Total Cr	Hex Cr
				Matrix	Comp	Grab				
001	FGI-1	8/12/09	7:06	A	GW		2	✓		
002	MW-8	8/12/09	5:17	A	GW		2	✓		
003	MW-18	8/12/09	6:16	A	GW		2	✓		
004	MW-3	8/13/09	9:20	A	GW		4	✓	✓	✓
005	MW-12	8/13/09	7:59	A	GW		2	✓		
				A						
				P						
				A						
				P						
				A						
				P						
				A						
				P						
				A						
				P						
				A						
				P						
				A						
				P						
				A						
				P						

Shipment Arrived Via: FedEx UPS <input checked="" type="checkbox"/> Client AES Other: _____		CC Report To / Special Instructions/Remarks: VOCs = (8260B) Total Cr = (6010B) Hex Cr = (SM 3500-CRD)	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) Eddie Zygorovsk		Received by: (Signature) _____	
Relinquished by: (Signature) _____		Received by: (Signature) _____	
Relinquished by: (Signature) _____		Received for Laboratory by: J. Michael	
		Date/Time 8/13/09 9:12:01 PM	
TEMPERATURE Ambient or <input checked="" type="checkbox"/> Chilled		PROPERLY PRESERVED <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Notes: _____		RECEIVED WITHIN HOLDING TIMES <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Notes: _____		Notes: _____	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.

090813037

Sample ID:	Action:	ActionDate:	ID:	NewLocation:	Purpose:
090812001-001A	Receiving	8/12/2009 8:11:24 AM	Log In	Ref MS#1	
090812001-001A	Receiving	8/12/2009 8:20:13 AM	Log In	Ref MS#1	
090812001-001A	Receiving	8/12/2009 8:31:47 AM	Log In	Ref MS#1	
090812001-001A	Logout	8/14/2009 8:37:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090812001-001B	Receiving	8/12/2009 8:20:31 AM	Log In	Ref MS#1	
090812001-001B	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090812001-001C	Receiving	8/12/2009 8:20:45 AM	Log In	Metals Bench	
090812001-001C	Logout	8/12/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090812001-002A	Receiving	8/12/2009 8:32:44 AM	Log In	Ref MS#1	
090812001-002A	Logout	8/14/2009 3:27:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090812001-002B	Receiving	8/12/2009 8:32:44 AM	Log In	Metals Bench	
090812001-002B	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090812001-002C	Receiving	8/12/2009 8:32:44 AM	Log In	SampleLogin	
090812001-002C	Logout	8/12/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090812001-003A	Receiving	8/12/2009 8:32:44 AM	Log In	Ref MS#1	
090812001-003A	Logout	8/14/2009 2:01:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090812001-003B	Receiving	8/12/2009 8:32:44 AM	Log In	Metals Bench	
090812001-003B	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090812001-003C	Receiving	8/12/2009 8:32:44 AM	Log In	SampleLogin	
090812001-003C	Logout	8/12/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090812001-004A	Receiving	8/12/2009 8:32:44 AM	Log In	Ref MS#1	
090812001-004A	Logout	8/14/2009 2:30:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090812001-004B	Receiving	8/12/2009 8:32:44 AM	Log In	Metals Bench	
090812001-004B	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090812001-004C	Receiving	8/12/2009 8:32:44 AM	Log In	SampleLogin	
090812001-004C	Logout	8/12/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090812001-005A	Receiving	8/12/2009 8:32:58 AM	Log In	SampleLogin	
090812001-005A	Logout	8/14/2009 11:11:00 AM	ML	Michele LaPierre	EPA_8260_WATE

Sample ID:	Action:	ActionDate:	ID:	NewLocation:	Purpose:
090813001-001A	Receiving	8/13/2009 8:11:09 AM	Log In	Ref MS#1	
090813001-001A	Receiving	8/13/2009 8:14:05 AM	Log In	Ref MS#1	
090813001-001A	Logout	8/14/2009 3:55:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-002A	Receiving	8/13/2009 8:15:49 AM	Log In	Ref MS#1	
090813001-002A	Logout	8/14/2009 4:23:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-003A	Receiving	8/13/2009 8:15:49 AM	Log In	Ref MS#1	
090813001-003A	Logout	8/14/2009 4:51:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-004A	Receiving	8/13/2009 8:15:49 AM	Log In	Ref MS#1	
090813001-004A	Logout	8/14/2009 5:20:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-005A	Receiving	8/13/2009 8:15:49 AM	Log In	Ref MS#1	
090813001-005A	Logout	8/17/2009 1:12:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-005B	Receiving	8/13/2009 8:16:13 AM	Log In	Ref MS#1	
090813001-005B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-005C	Receiving	8/13/2009 8:16:25 AM	Log In	SampleLogIn	
090813001-005C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-006A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-006A	Logout	8/17/2009 1:40:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-006B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-006B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-006C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-006C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-007A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-007A	Logout	8/17/2009 2:08:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-007B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-007B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-007C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-007C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-008A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-008A	Logout	8/17/2009 2:37:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-008B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-008B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-008C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-008C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-009A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-009A	Logout	8/17/2009 3:05:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-009B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-009B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-009C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-009C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-010A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-010A	Logout	8/17/2009 3:34:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-010B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-010B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-010C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-010C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-011A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-011A	Logout	8/14/2009 9:05:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-011B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-011B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-011C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-011C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-012A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-012A	Logout	8/14/2009 9:34:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-013A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-013A	Logout	8/17/2009 10:40:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-013B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	

Sample ID:	Action:	ActionDate:	ID:	NewLocation:	Purpose:
090813001-013B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-013C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-013C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-014A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-014A	Logout	8/17/2009 11:09:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-014B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-014B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-014C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-014C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-015A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-015A	Logout	8/20/2009 1:51:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-015B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-015B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-015C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-015C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-016A	Receiving	8/13/2009 8:19:33 AM	Log In	SampleLogin	
090813001-016A	Logout	8/17/2009 5:27:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-017A	Receiving	8/13/2009 8:19:51 AM	Log In	SampleLogin	
090813001-017A	Logout	8/20/2009 7:58:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-017B	Receiving	8/13/2009 8:20:11 AM	Log In	Ref MS#1	
090813001-017B	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-017C	Receiving	8/13/2009 8:20:25 AM	Log In	SampleLogin	
090813001-017C	Logout	8/13/2009 9:55:00 AM	TG	Tara Gleason	PH_W
090813001-018A	Receiving	8/13/2009 8:21:09 AM	Log In	Ref MS#1	
090813001-018A	Logout	8/20/2009 2:48:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-018B	Receiving	8/13/2009 8:21:09 AM	Log In	SampleLogin	
090813001-018B	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-018C	Receiving	8/13/2009 8:21:09 AM	Log In	SampleLogin	
090813001-018C	Logout	8/13/2009 9:55:00 AM	TG	Tara Gleason	PH_W

Sample ID:	Action:	ActionDate:	ID:	NewLocation:	Purpose:
090813037-001A	Receiving	8/13/2009 12:10:57 PM	Log In	Ref MS#1	
090813037-001A	Receiving	8/13/2009 12:11:41 PM	Log In	Ref MS#1	
090813037-001A	Logout	8/17/2009 8:18:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813037-002A	Receiving	8/13/2009 12:13:01 PM	Log In	Ref MS#1	
090813037-002A	Logout	8/17/2009 8:47:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813037-003A	Receiving	8/13/2009 12:13:01 PM	Log In	Ref MS#1	
090813037-003A	Logout	8/17/2009 9:15:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813037-004A	Receiving	8/13/2009 12:13:01 PM	Log In	Ref MS#1	
090813037-004A	Logout	8/17/2009 9:44:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813037-004B	Receiving	8/13/2009 12:13:06 PM	Log In	Ref MS#1	
090813037-004B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813037-004C	Receiving	8/13/2009 12:13:12 PM	Log In	SampleLogin	
090813037-004C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813037-005A	Receiving	8/13/2009 12:13:01 PM	Log In	Ref MS#1	
090813037-005A	Logout	8/17/2009 10:12:00 PM	ML	Michele LaPierre	EPA_8260_WATE

VOLATILE ORGANICS

ANALYSIS

QC
SUMMARY

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES

CASE No.: EN0904

SAS No.: _____

SDG No.: Effluent

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	SMC4	TOT OUT
01	VBLK01	113	102	107		0
02	Trip Blank	111	99	103		0
03	MW-4	114	101	107		0
04	MW-6	111	98	105		0
05	MW-7	112	97	105		0
06	MW-4R	113	103	106		0
07	MW-11	114	104	111		0
08	VBLK02	112	90	100		0
09	MW-10	112	100	106		0
10	MW-9	118 *	101	108		1
11	MW-13	106	90	99		0
12	MW-16	110	104	108		0
13	DUP 1	113	97	102		0
14	MW-17	114	100	102		0
15	Trip Blank	112	109	114		0
16	MW-3	110	106	112		0
17	MW-1	113	100	106		0
18	MW-1R	113	105	113		0
19	VBLK03	113	103	115		0
20	MW-2	112	110	113		0
21	Effluent	113	110	113		0
22	MW-3MS	100	105	112		0
23	MW-3MSD	106	105	118 *		1
24	VMSB	103	104	112		0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (76-114)
 SMC2 (TOL) = Toluene-d8 (88-110)
 SMC3 (BFB) = Bromofluorobenzene (86-115)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AESCASE No.: EN0904

SAS No.: _____

SDG NO.: Effluent

25

EPA Sample NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	SMC4	TOT OUT
Influent	113	109	113		0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4

(76-114)

SMC2 (TOL) = Toluene-d8

(88-110)

SMC3 (BFB) = Bromofluorobenzene

(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix Spike - EPA Sample No: MW-3

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMIT REC
1,1-Dichloroethene	50	0	50	100	(61-145)
Benzene	50	0	54	108	(76-127)
Trichloroethene	50	0	52	104	(71-120)
Toluene	50	0	51	102	(76-125)
Chlorobenzene	50	0	52	104	(75-130)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	% REC #	% RPD #	QC LIMITS RPD	REC
1,1-Dichloroethene	50	55	110	10	14	(61-145)
Benzene	50	57	114	5	11	(76-127)
Trichloroethene	50	55	110	6	14	(71-120)
Toluene	50	53	106	4	13	(76-125)
Chlorobenzene	50	55	110	6	13	(75-130)

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

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

Comments: _____

WATER VOLATILE LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: AES, Inc. Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: SDG No.: EffluentLaboratory Control Spike - EPA Sample No: VMSB

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS & REC#	QC LIMIT REC
1,1-Dichloroethene	50		57	114	(61-145)
Benzene	50		57	114	(76-127)
Trichloroethene	50		53	106	(71-120)
Toluene	50		51	102	(76-125)
Chlorobenzene	50		54	108	(75-130)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limitsRPD: 0 out of 0 outside limitsSpike Recovery: 0 out of 5 outside limitsComments:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904

SAS No.: _____ SDG NO.: Effluent

Lab File ID: CB209.D

Lab Sample ID: VBLK01

Date Analyzed: 8/14/2009

Time Analyzed: 10:43

GC Column: DB624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
Trip Blank	090812001-005A	C3100.D	11:11
MW-4	090812001-003A	C3106.D	14:01
MW-6	090812001-004A	C3107.D	14:30
MW-7	090812001-002A	C3109.D	15:27
MW-4R	090812001-001A	C3120.D	20:37
MW-11	090813001-011A	C3121.D	21:05

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG NO.: Effluent

Lab File ID: CB210.D Lab Sample ID: VBLK02

Date Analyzed: 8/17/2009 Time Analyzed: 12:43

GC Column: DB624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
MW-10	090813001-005A	C3124.D	13:12
MW-9	090813001-006A	C3125.D	13:40
MW-13	090813001-007A	C3126.D	14:08
MW-16	090813001-008A	C3127.D	14:37
DUP 1	090813001-009A	C3128.D	15:05
MW-17	090813001-010A	C3129.D	15:34
Trip Blank	090813001-016A	C3133.D	17:27
MW-3	090813037-004A	C3142.D	21:44
MW-1	090813001-013A	C3144.D	22:40
MW-1R	090813001-014A	C3145.D	23:09

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK03

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904

SAS No.: _____ SDG NO.: Effluent

Lab File ID: CB217.D

Lab Sample ID: VBLK03

Date Analyzed: 8/20/2009

Time Analyzed: 13:22

GC Column: DB624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
MW-2	090813001-015A	C3188.D	13:51
Effluent	090813001-018A	C3190.D	14:48
MW-3MS	090813037-004AMS	C3191.D	15:16
MW-3MSD	090813037-004AMSD	C3192.D	15:44
VMSB	VMSB	C3193.D	16:12
Influent	090813001-017A	C3201.D	19:58

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904SAS No.: _____ SDG NO.: EffluenLab File ID: CT202.DBFB Injection Date: 8/11/2009Instrument ID: MSVOACBFB Injection Time: 10:05GC Column: DB624 ID: 0.18 (mm)Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.4
75	30.0 - 60.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	69.0
175	5.0 - 9.0% of mass 174	5.6 (8.2) 1
176	95.0 - 101.0% of mass 174	68.9 (99.8) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD200	VSTD200	CS202.D	8/11/2009	10:29
VSTD100	VSTD100	CS203.D	8/11/2009	10:57
VSTD050	VSTD050	CS204.D	8/11/2009	11:26
VSTD010	VSTD010	CS205.D	8/11/2009	11:55
VSTD005	VSTD005	CS206.D	8/11/2009	12:23

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG NO.: Effluen

Lab File ID: CT209.D BFB Injection Date: 8/14/2009

Instrument ID: MSVOAC BFB Injection Time: 09:53

GC Column: DB624 ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.3
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	87.4
175	5.0 - 9.0% of mass 174	4.4 (5.0) 1
176	95.0 - 101.0% of mass 174	86.7 (99.2) 1
177	5.0 - 9.0% of mass 176	5.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	VSTD050	CS209.D	8/14/2009	10:15
VBLK01	VBLK01	CB209.D	8/14/2009	10:43
Trip Blank	090812001-005A	C3100.D	8/14/2009	11:11
MW-4	090812001-003A	C3106.D	8/14/2009	14:01
MW-6	090812001-004A	C3107.D	8/14/2009	14:30
MW-7	090812001-002A	C3109.D	8/14/2009	15:27
MW-4R	090812001-001A	C3120.D	8/14/2009	20:37
MW-11	090813001-011A	C3121.D	8/14/2009	21:05

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904SAS No.: _____ SDG NO.: EffluenLab File ID: CT210.DBFB Injection Date: 8/17/2009Instrument ID: MSVOACBFB Injection Time: 11:53GC Column: DB624 ID: 0.18 (mm)Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	42.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.0
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.6 (7.9) 1
176	95.0 - 101.0% of mass 174	81.8 (98.2) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	VSTD050	CS210.D	8/17/2009	12:14
VBLK02	VBLK02	CB210.D	8/17/2009	12:43
MW-10	090813001-005A	C3124.D	8/17/2009	13:12
MW-9	090813001-006A	C3125.D	8/17/2009	13:40
MW-13	090813001-007A	C3126.D	8/17/2009	14:08
MW-16	090813001-008A	C3127.D	8/17/2009	14:37
DUP 1	090813001-009A	C3128.D	8/17/2009	15:05
MW-17	090813001-010A	C3129.D	8/17/2009	15:34
Trip Blank	090813001-016A	C3133.D	8/17/2009	17:27
MW-3	090813037-004A	C3142.D	8/17/2009	21:44
MW-1	090813001-013A	C3144.D	8/17/2009	22:40
MW-1R	090813001-014A	C3145.D	8/17/2009	23:09

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904SAS No.: SDG NO.: EffluenLab File ID: CT217.DBFB Injection Date: 8/20/2009Instrument ID: MSVOACBFB Injection Time: 12:26GC Column: DB624 ID: 0.18 (mm)Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	41.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	80.2
175	5.0 - 9.0% of mass 174	6.6 (8.3) 1
176	95.0 - 101.0% of mass 174	80.8 (100.7) 1
177	5.0 - 9.0% of mass 176	6.3 (7.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	VSTD050	CS217.D	8/20/2009	12:54
VBLK03	VBLK03	CB217.D	8/20/2009	13:22
MW-2	090813001-015A	C3188.D	8/20/2009	13:51
Effluent	090813001-018A	C3190.D	8/20/2009	14:48
MW-3MS	090813037-004AMS	C3191.D	8/20/2009	15:16
MW-3MSD	090813037-004AMSD	C3192.D	8/20/2009	15:44
VMSB	VMSB	C3193.D	8/20/2009	16:12
Influent	090813001-017A	C3201.D	8/20/2009	19:58

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent
 Lab File ID: CS209.D Date Analyzed: 8/14/2009
 Instrument ID: MSVOAC Time Analyzed: 10:15
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1145582	5.29	461551	9.74	424402	12.79
UPPER LIMIT	2291164	5.79	923102	10.24	848804	13.29
LOWER LIMIT	572791	4.79	230776	9.24	212201	12.29
SAMPLE NO.						
VSTD050	1145582	5.29	461551	9.74	424402	12.79
VBLK01	1327267	5.29	567977	9.74	577658	12.79
Trip Blank	1414445	5.28	593984	9.73	599947	12.79
MW-4	1333266	5.29	571540	9.74	563746	12.79
MW-6	1395576	5.29	570883	9.74	571675	12.79
MW-7	1327671	5.28	568438	9.74	556021	12.79
MW-4R	1328686	5.30	571823	9.74	578686	12.79
MW-11	1323199	5.29	559434	9.74	549728	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent
 Lab File ID: CS210.D Date Analyzed: 8/17/2009
 Instrument ID: MSVOAC Time Analyzed: 12:14
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1032647	5.30	466124	9.74	435096	12.80
UPPER LIMIT	2065294	5.80	932248	10.24	870192	13.30
LOWER LIMIT	516324	4.80	233062	9.24	217548	12.30
SAMPLE NO.						
VSTD050	1032647	5.30	466124	9.74	435096	12.80
VBLK02	1352320	5.29	597271	9.74	590672	12.79
MW-10	1405658	5.29	605344	9.74	612390	12.79
MW-9	1362843	5.29	581012	9.74	599582	12.79
MW-13	1504018	5.29	619984	9.74	610772	12.79
MW-16	1283224	5.29	536196	9.74	549508	12.79
DUP 1	1416839	5.29	591173	9.75	601796	12.79
MW-17	1375466	5.29	581309	9.74	591606	12.79
Trip Blank	1315531	5.30	560038	9.75	564519	12.79
MW-3	1281038	5.29	555799	9.74	561302	12.80
MW-1	1316107	5.29	571234	9.74	581927	12.79
MW-1R	1373895	5.29	583135	9.74	589656	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent
 Lab File ID: CS217.D Date Analyzed: 8/20/2009
 Instrument ID: MSVOAC Time Analyzed: 12:54
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1316173	5.30	546048	9.77	463422	12.81
UPPER LIMIT	2632346	5.80	1092096	10.27	926844	13.31
LOWER LIMIT	658087	4.80	273024	9.27	231711	12.31
SAMPLE NO.						
VSTD050	1316173	5.30	546048	9.77	463422	12.81
VBLK03	1407285	5.31	600644	9.76	533643	12.80
MW-2	1358470	5.30	564473	9.76	505655	12.81
Effluent	1414853	5.31	577297	9.76	514896	12.81
MW-3MS	1496271	5.30	600418	9.76	575407	12.81
MW-3MSD	1551040	5.31	636367	9.76	610280	12.81
VMSB	1456357	5.31	601877	9.76	585244	12.82
Influent	1330068	5.31	542680	9.76	489619	12.81

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

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

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

Volatile Organics Water MDL - Instrument C

Date Performed:

1/13/2009

Analyte	Conc 1	Conc 2	Conc 3	Conc 4	Conc 5	Conc 6	Conc 7	Std Dev	IDL
Chloromethane	18.02	15.95	16.26	16.14	16.94	14.47	16.76	1.0840	3.41
Bromomethane	28.75	24.20	28.21	28.38	29.25	26.21	28.27	1.7779	5.59
Vinyl chloride	19.92	18.09	17.73	17.69	18.40	16.93	18.21	0.9200	2.89
Chloroethane	38.23	30.77	35.78	39.78	36.41	39.33	35.08	3.0858	9.70
Methylene chloride	23.07	22.75	22.96	23.72	24.54	20.13	21.54	1.4479	4.55
Acetone	28.87	26.83	25.15	24.81	23.67	28.70	23.95	2.1597	6.79
Carbon disulfide	20.61	19.09	20.77	19.88	19.58	18.87	20.51	0.7586	2.38
1,1-Dichloroethene	21.11	22.65	21.04	20.21	22.54	19.55	23.23	1.3677	4.30
1,1-Dichloroethane	23.40	20.93	20.77	21.09	21.37	19.32	21.58	1.2122	3.81
trans-1,2-Dichloroethene	21.60	19.74	21.15	19.56	19.95	18.49	22.25	1.3176	4.14
cis-1,2-Dichloroethene	21.28	18.87	19.37	19.38	19.29	17.09	20.89	1.3763	4.33
Chloroform	23.17	21.01	21.03	21.44	21.61	19.77	21.71	1.0182	3.20
1,2-Dichloroethane	21.52	21.79	21.59	21.05	21.23	19.73	22.27	0.8005	2.52
2-Butanone	14.99	19.34	18.04	17.61	17.13	16.92	16.89	1.3215	4.15
1,1,1-Trichloroethane	21.95	19.86	19.56	20.10	20.30	18.35	19.95	1.0677	3.36
Carbon tetrachloride	21.90	19.62	19.58	19.75	19.96	18.29	19.19	1.0922	3.43
Bromodichloromethane	20.56	19.09	18.24	19.24	19.12	17.57	18.72	0.9295	2.92
1,2-Dichloropropane	19.35	18.28	18.03	18.67	18.64	16.56	17.94	0.8688	2.73
cis-1,3-Dichloropropene	19.93	19.13	18.28	18.82	18.20	17.05	18.19	0.9018	2.83
Trichloroethene	20.57	18.17	18.07	18.85	19.00	17.03	18.62	1.0826	3.40
Dibromochloromethane	19.68	18.73	18.19	18.68	18.76	16.75	18.65	0.8875	2.79
1,1,2-Trichloroethane	18.85	20.51	17.86	20.33	18.54	16.69	17.89	1.3769	4.33
Benzene	19.98	18.44	18.15	18.80	18.61	16.79	17.98	0.9603	3.02
trans-1,3-Dichloropropene	19.71	18.98	18.30	19.16	18.96	17.04	18.43	0.8516	2.68
Bromoform	17.50	17.32	17.38	17.89	17.37	15.93	16.53	0.6672	2.10
4-Methyl-2-pentanone	17.89	19.95	20.33	19.59	18.97	19.16	18.37	0.8610	2.71
2-Hexanone	15.91	17.66	17.46	17.42	16.80	16.66	16.33	0.6498	2.04
Tetrachloroethene	21.37	19.82	19.50	19.54	19.81	18.53	19.68	0.8399	2.64
1,1,2,2-Tetrachloroethane	18.27	19.40	18.54	18.15	18.80	17.71	19.10	0.5816	1.83
Toluene	20.73	19.48	19.03	19.35	19.54	17.63	19.25	0.9129	2.87
Chlorobenzene	20.92	19.49	18.47	19.07	19.49	17.62	19.40	1.0175	3.20
Ethylbenzene	21.30	19.67	18.92	19.21	19.50	17.69	19.74	1.0795	3.39
Styrene	21.13	19.42	18.82	18.99	19.56	17.56	19.31	1.0623	3.34
m,p-Xylene	41.72	41.92	40.99	41.83	42.77	39.55	42.01	1.0212	3.21
o-Xylene	20.96	19.37	18.92	19.08	19.48	17.22	19.50	1.1035	3.47
Methyl tert-butyl ether	42.08	41.66	42.59	42.08	43.30	39.76	42.92	1.1553	3.63
Dichlorodifluoromethane	13.42	11.96	12.29	11.97	12.56	10.41	12.11	0.9021	2.84
Methyl Acetate	18.04	21.02	17.48	19.83	18.49	17.40	18.53	1.3130	4.13
1,1,2-Trichloro-1,2,2-trifluoroethane	22.63	18.89	19.73	20.34	21.03	19.40	21.63	1.3236	4.16
Cyclohexane	19.93	17.13	17.88	19.14	18.30	17.28	18.80	1.0149	3.19
Trichlorofluoromethane	27.21	22.85	23.45	23.76	24.69	21.57	24.25	1.7523	5.51
Methyl Cyclohexane	20.01	17.60	18.23	19.64	18.21	17.22	18.70	1.0184	3.20
1,2-Dibromoethane	19.67	19.72	18.80	19.54	19.67	18.09	18.56	0.6598	2.07
1,3-Dichlorobenzene	21.05	20.02	19.24	20.09	20.14	17.95	20.23	0.9772	3.07
Isopropylbenzene	22.40	20.66	19.69	20.03	20.51	18.47	20.76	1.1947	3.75
1,2-Dichlorobenzene	21.17	20.94	20.24	20.59	20.86	19.04	20.75	0.7119	2.24
1,4-Dichlorobenzene	21.31	20.54	19.58	20.34	20.38	18.58	19.93	0.8567	2.69
1,2-Dibromo-3-chloropropane	15.43	22.35	20.99	21.31	21.81	18.24	19.79	2.4331	7.65

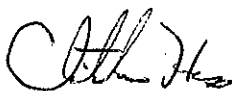
Volatile Organics Water MDL - Instrument C

Date Performed:

1/13/2009

Analyte	Conc 1	Conc 2	Conc 3	Conc 4	Conc 5	Conc 6	Conc 7	Std Dev	IDL
1,2,4-Trichlorobenzene	21.72	21.19	19.15	20.61	19.83	18.81	20.25	1.0511	3.30
1,1,1,2-Tetrachloroethane	21.09	20.04	18.80	18.77	19.77	17.67	19.98	1.1161	3.51
1,2,3-Trichlorobenzene	23.53	19.06	18.99	19.55	19.08	19.02	18.68	1.7074	5.37
1,2,3-Trichloropropane	18.90	19.68	19.03	19.02	18.80	17.21	17.99	0.8099	2.55
1,2,4-Trimethylbenzene	21.96	20.79	19.70	20.01	20.49	18.17	20.67	1.1645	3.66
1,3,5-Trimethylbenzene	22.17	20.80	19.60	20.28	20.40	17.93	20.47	1.2822	4.03
1,3-Dichloropropane	18.73	18.08	17.44	18.23	18.08	17.20	17.80	0.5106	1.60
1,4-Dioxane	244.51	292.86	260.39	240.41	232.52	295.31	214.55	30.4110	95.58
2,2-Dichloropropane	23.66	20.42	20.18	20.56	20.54	18.55	20.70	1.5147	4.76
2-Chloroethyl vinyl ether	18.98	17.66	16.21	16.46	15.98	14.79	15.69	1.3797	4.34
4-Isopropyltoluene	22.40	20.93	19.51	20.63	20.63	18.23	20.97	1.3024	4.09
Acetonitrile	198.44	199.08	209.47	204.87	202.27	189.56	201.67	6.1848	19.44
Acrolein	59.22	59.60	55.65	59.04	56.27	53.95	54.79	2.3223	7.30
Acrylonitrile	82.39	82.50	77.31	81.54	79.71	78.22	81.30	2.0515	6.45
Allyl chloride	20.96	20.75	20.50	21.51	21.77	19.72	22.41	0.8887	2.79
Bromochloromethane	18.73	17.58	17.25	20.00	21.60	16.19	16.20	2.0168	6.34
Dibromomethane	19.19	18.38	18.53	18.41	17.19	16.31	18.22	0.9629	3.03
Ethyl methacrylate	17.87	18.74	19.19	19.46	18.50	18.44	18.73	0.5191	1.63
Hexachlorobutadiene	22.18	23.75	20.17	22.63	21.82	20.05	21.65	1.3141	4.13
Iodomethane	21.62	21.32	22.87	22.89	23.06	20.99	23.31	0.9495	2.98
Isobutyl Alcohol	285.16	308.06	274.81	310.38	243.54	272.38	255.29	24.9882	78.54
Methacrylonitrile	174.38	185.30	198.64	183.06	190.62	183.72	180.76	7.6765	24.13
Methyl methacrylate	16.97	18.71	18.58	18.48	18.15	17.59	17.61	0.6420	2.02
Naphthalene	21.48	20.87	20.99	20.15	20.56	20.84	21.36	0.4543	1.43
n-Butylbenzene	22.81	21.66	19.88	20.95	20.76	18.11	21.29	1.4789	4.65
n-Propylbenzene	23.69	20.77	19.85	21.37	22.29	19.68	20.79	1.4085	4.43
Propionitrile	163.43	187.32	182.66	175.17	164.48	170.21	166.68	9.2631	29.11
sec-Butylbenzene	22.17	20.83	19.28	20.26	20.23	17.64	20.66	1.4070	4.42
tert-Butylbenzene	20.93	19.80	18.75	19.53	19.45	17.20	19.78	1.1481	3.61
Vinyl acetate	21.15	20.52	22.79	23.53	23.71	20.19	22.09	1.4193	4.46

Reviewed by QA Manager:



Date:

1/15/09

SAMPLE

DATA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Effluent

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-018A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3190.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 5.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	50	U	
74-87-3	Chloromethane	50	U	
75-01-4	Vinyl chloride	50	U	
74-83-9	Bromomethane	50	U	
75-00-3	Chloroethane	50	U	
75-69-4	Trichlorofluoromethane	25	U	
75-35-4	1,1-Dichloroethene	25	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	25	U	
75-15-0	Carbon disulfide	25	U	
67-64-1	Acetone	50	U	
79-20-9	Methyl Acetate	25	U	
75-09-2	Methylene Chloride	25	U	
156-60-5	trans-1,2-Dichloroethene	25	U	
1634-04-4	Methyl tert-butyl Ether	25	U	
75-34-3	1,1-Dichloroethane	25	U	
156-59-2	cis-1,2-Dichloroethene	25	U	
74-97-5	Bromochloromethane	25	U	
67-66-3	Chloroform	25	U	
110-82-7	Cyclohexane	25	U	
107-06-2	1,2-Dichloroethane	25	U	
78-93-3	2-Butanone	50	U	
108-87-2	Methyl Cyclohexane	25	U	
71-55-6	1,1,1-Trichloroethane	25	U	
56-23-5	Carbon Tetrachloride	25	U	
71-43-2	Benzene	25	U	
79-01-6	Trichloroethene	700		
78-87-5	1,2-Dichloropropane	25	U	
75-27-4	Bromodichloromethane	25	U	
10061-01-5	cis-1,3-Dichloropropene	25	U	
10061-02-6	trans-1,3-Dichloropropene	25	U	
79-00-5	1,1,2-Trichloroethane	25	U	
124-48-1	Dibromochloromethane	25	U	
106-93-4	1,2-Dibromoethane	25	U	
75-25-2	Bromoform	25	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Effluent

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-018A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3190.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 5.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		50	U
108-88-3	Toluene		25	U
127-18-4	Tetrachloroethene		25	U
591-78-6	2-Hexanone		50	U
108-90-7	Chlorobenzene		25	U
100-41-4	Ethyl Benzene		25	U
126777-61-2	m,p-Xylenes		25	U
95-47-6	o-Xylene		25	U
100-42-5	Styrene		25	U
98-82-8	Isopropylbenzene		25	U
79-34-5	1,1,2,2-Tetrachloroethane		25	U
541-73-1	1,3-Dichlorobenzene		25	U
106-46-7	1,4-Dichlorobenzene		25	U
95-50-1	1,2-Dichlorobenzene		25	U
96-12-8	1,2-Dibromo-3-Chloropropane		50	U
120-82-1	1,2,4-Trichlorobenzene		25	U

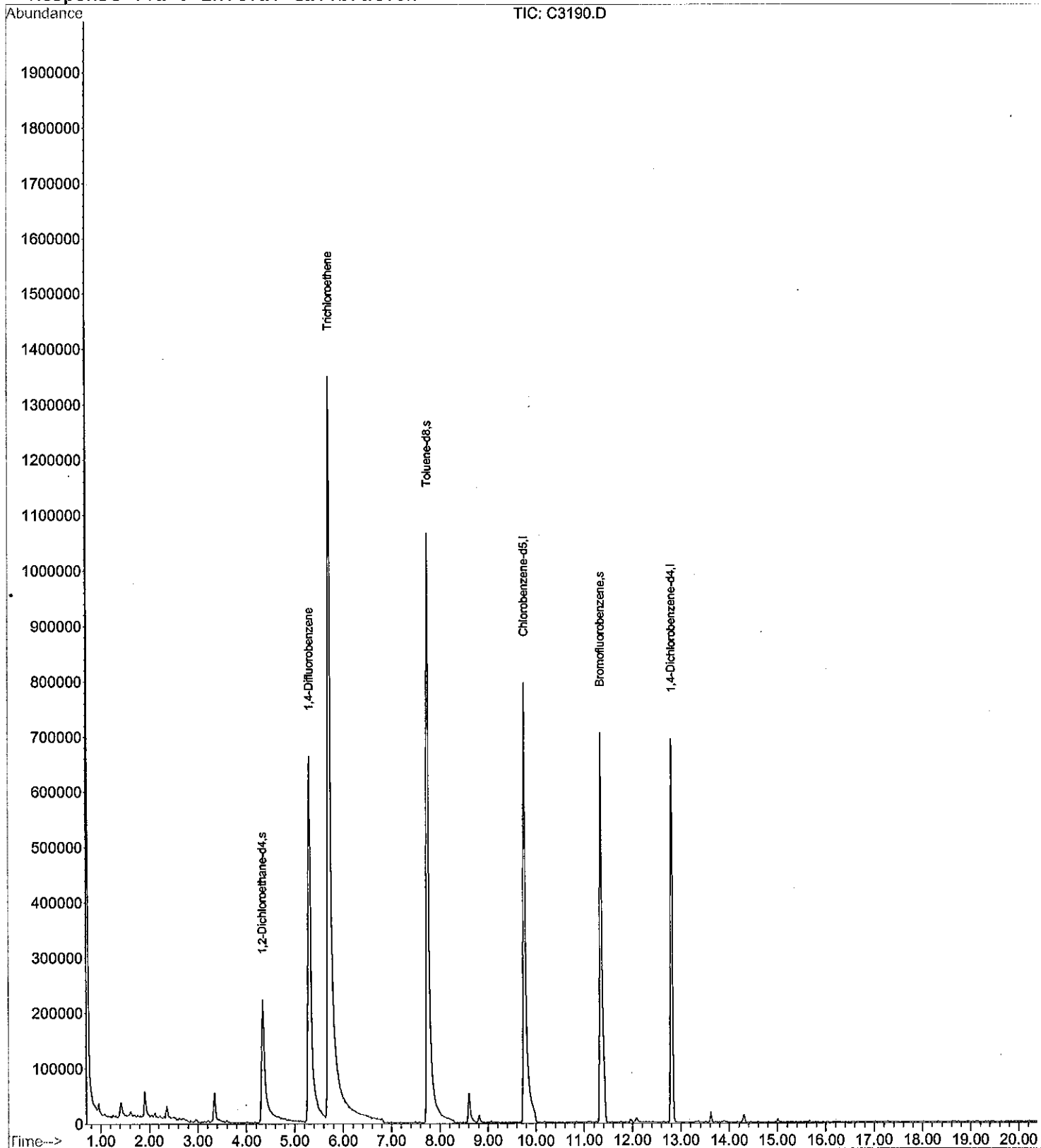
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090820\C3190.D
 Acq On : 20 Aug 2009 2:48 pm
 Sample : 090813001-018A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 21 11:18 2009

Vial: 12
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

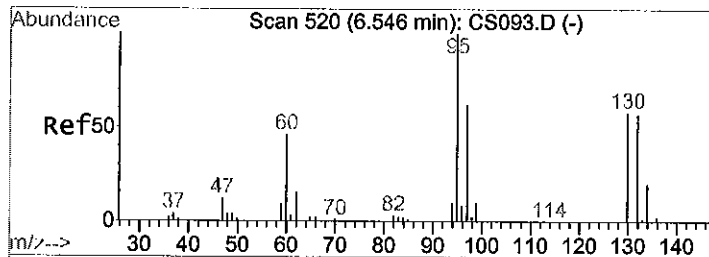
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 Acq On : 20 Aug 2009 2:48 pm
 Sample : 090813001-018A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 21 11:18 2009

Vial: 12
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa-NBL-Plus Calibration
 Last Update : Tue Aug 18 10:05:55 2009
 Response via : Initial Calibration
 DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.31	114	1414853	50.00	ug	0.00
36) Chlorobenzene-d5	9.76	82	577297	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.81	150	514896	50.00	ug	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.34	65	441659m	56.66	ug	0.00
57) Toluene-d8	7.75	98	1534767	54.82	ug	0.00
72) Bromofluorobenzene	11.34	95	447957m	56.46	ug	0.00
Target Compounds						
43) Trichloroethene	5.71	130	1254518	140.80	ug	Qvalue # 70



#43

Trichloroethene

Concen: 140.80 ug

RT: 5.71 min Scan# 445

Delta R.T. -0.01 min

Lab File: C3190.D

Acq: 20 Aug 2009 2:48 pm

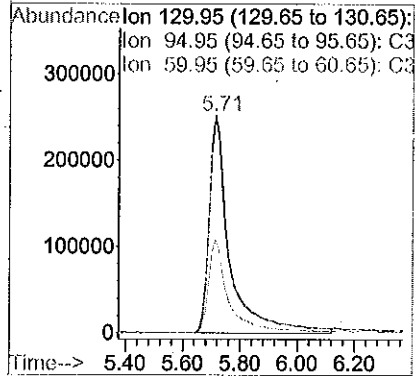
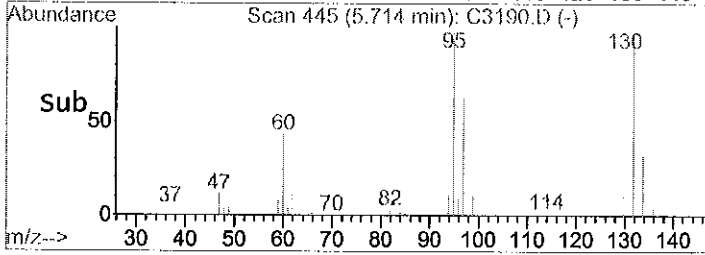
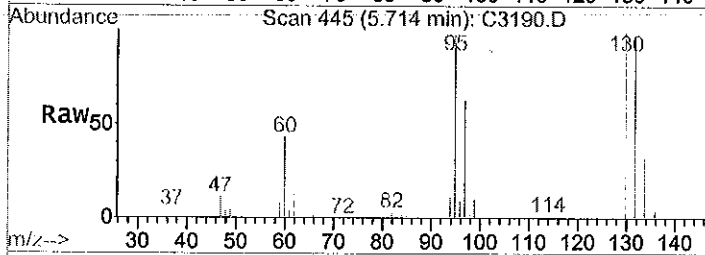
Tgt Ion:130 Resp: 1254518

Ion Ratio Lower Upper

130 100

95 100.6 112.9 169.3#

60 42.8 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Influent

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-017A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3201.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 50.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	500	U	
74-87-3	Chloromethane	500	U	
75-01-4	Vinyl chloride	500	U	
74-83-9	Bromomethane	500	U	
75-00-3	Chloroethane	500	U	
75-69-4	Trichlorofluoromethane	250	U	
75-35-4	1,1-Dichloroethene	250	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	250	U	
75-15-0	Carbon disulfide	250	U	
67-64-1	Acetone	500	U	
79-20-9	Methyl Acetate	250	U	
75-09-2	Methylene Chloride	250	U	
156-60-5	trans-1,2-Dichloroethene	250	U	
1634-04-4	Methyl tert-butyl Ether	250	U	
75-34-3	1,1-Dichloroethane	250	U	
156-59-2	cis-1,2-Dichloroethene	250	U	
74-97-5	Bromochloromethane	250	U	
67-66-3	Chloroform	250	U	
110-82-7	Cyclohexane	250	U	
107-06-2	1,2-Dichloroethane	250	U	
78-93-3	2-Butanone	500	U	
108-87-2	Methyl Cyclohexane	250	U	
71-55-6	1,1,1-Trichloroethane	250	U	
56-23-5	Carbon Tetrachloride	250	U	
71-43-2	Benzene	250	U	
79-01-6	Trichloroethene	6600		
78-87-5	1,2-Dichloropropane	250	U	
75-27-4	Bromodichloromethane	250	U	
10061-01-5	cis-1,3-Dichloropropene	250	U	
10061-02-6	trans-1,3-Dichloropropene	250	U	
79-00-5	1,1,2-Trichloroethane	250	U	
124-48-1	Dibromochloromethane	250	U	
106-93-4	1,2-Dibromoethane	250	U	
75-25-2	Bromoform	250	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Influent

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-017A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3201.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 50.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethyl Benzene		250	U
126777-61-2	m,p-Xylenes		250	U
95-47-6	o-Xylene		250	U
100-42-5	Styrene		250	U
98-82-8	Isopropylbenzene		250	U
79-34-5	1,1,2,2-Tetrachloroethane		250	U
541-73-1	1,3-Dichlorobenzene		250	U
106-46-7	1,4-Dichlorobenzene		250	U
95-50-1	1,2-Dichlorobenzene		250	U
96-12-8	1,2-Dibromo-3-Chloropropane		500	U
120-82-1	1,2,4-Trichlorobenzene		250	U

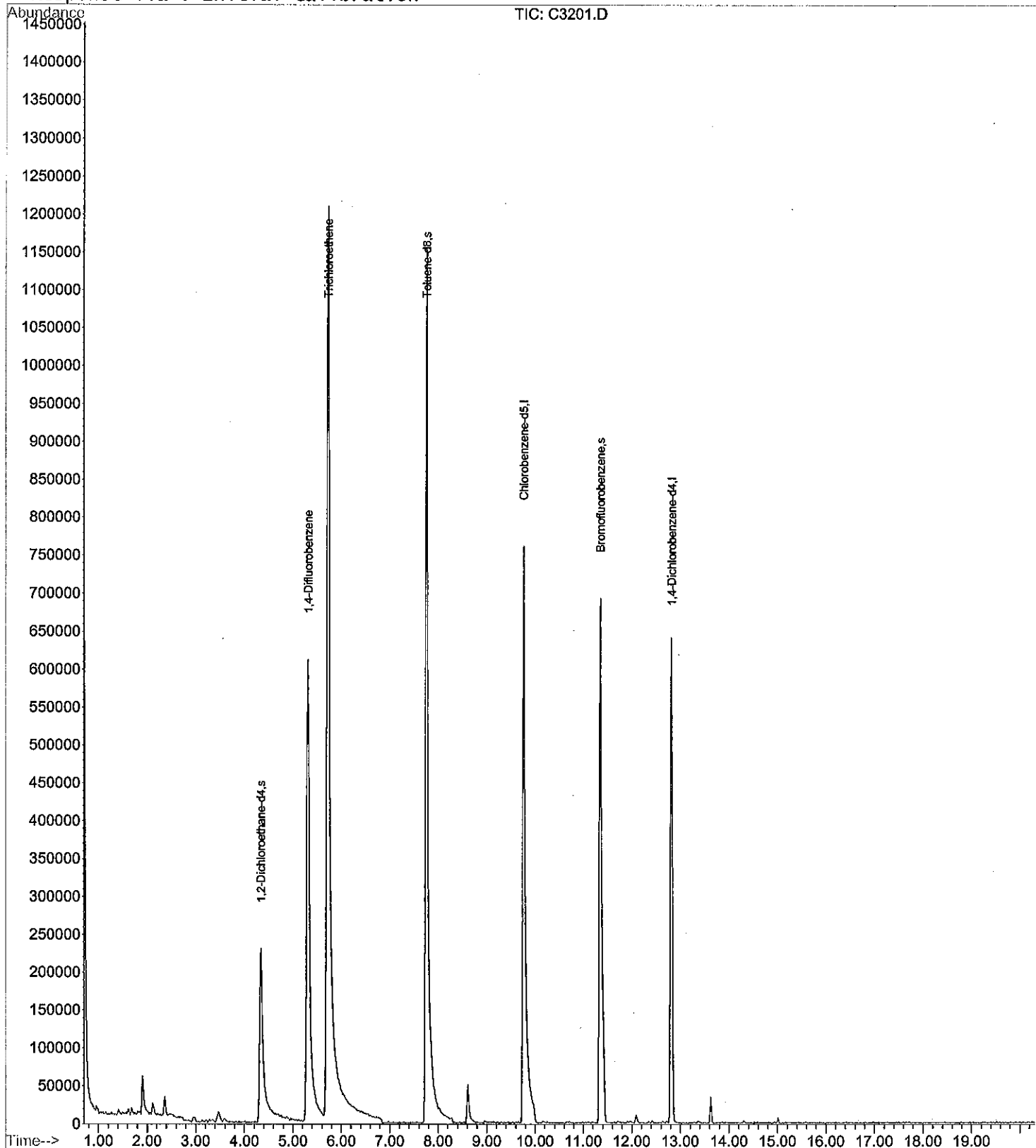
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090820\C3201.D
 Acq On : 20 Aug 2009 7:58 pm
 Sample : 090813001-017A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 21 11:27 2009

Vial: 23
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa-NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

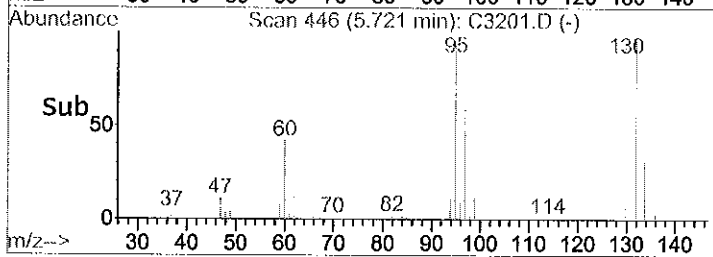
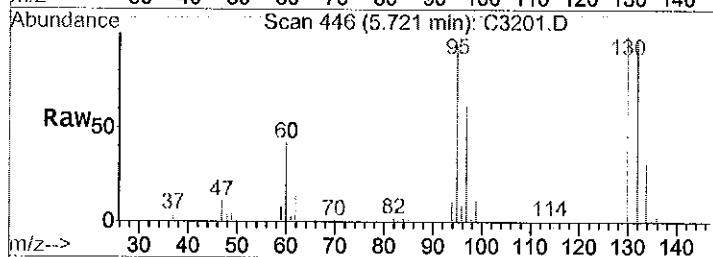
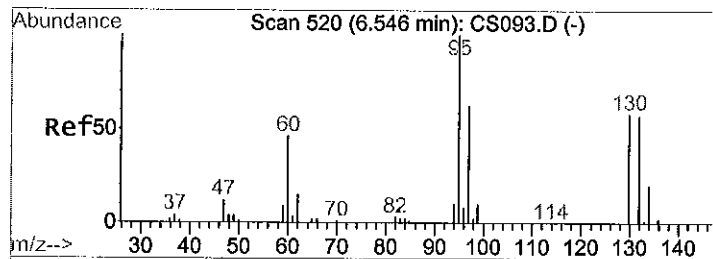
Data File : C:\HPCHEM\1\DATA\090820\C3201.D
 Acq On : 20 Aug 2009 7:58 pm
 Sample : 090813001-017A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 21 11:27 2009

Vial: 23
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Tue Aug 18 10:05:55 2009
 Response via : Initial Calibration
 DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.31	114	1330068	50.00	ug	0.00
36) Chlorobenzene-d5	9.76	82	542680	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.81	150	489619	50.00	ug	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.34	65	414101m	56.51	ug	0.00
57) Toluene-d8	7.75	98	1437506m	54.62	ug	0.00
72) Bromofluorobenzene	11.35	95	428068m	56.74	ug	0.00
Target Compounds						
43) Trichloroethene	5.72	130	1113100	132.90	ug	Qvalue # 67



#43

Trichloroethene

Concen: 132.90 ug

RT: 5.72 min Scan# 446

Delta R.T. 0.00 min

Lab File: C3201.D

Acq: 20 Aug 2009 7:58 pm

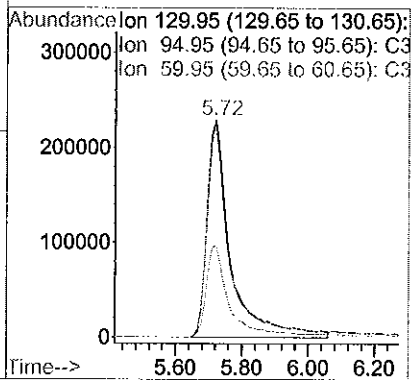
Tgt Ion:130 Resp: 1113100

Ion Ratio Lower Upper

130 100

95 96.1 112.9 169.3#

60 41.7 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-013A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3144.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	10	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	39		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-013A

Sample wt/vol: 5.0 (g/mL) m1 Lab File ID: C3144.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

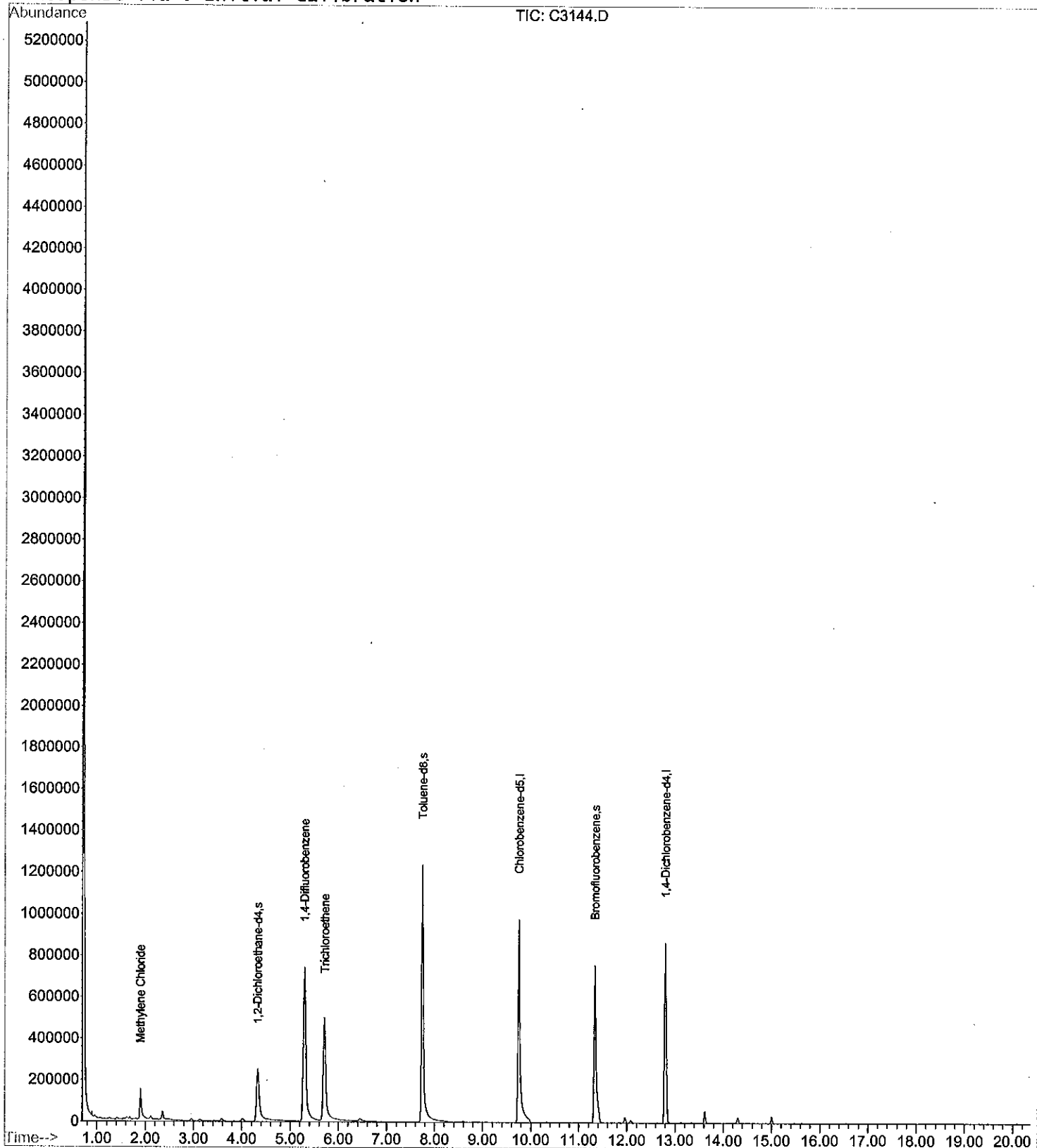
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3144.D
 Acq On : 17 Aug 2009 10:40 pm
 Sample : 090813001-013A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:59 2009

Vial: 24
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

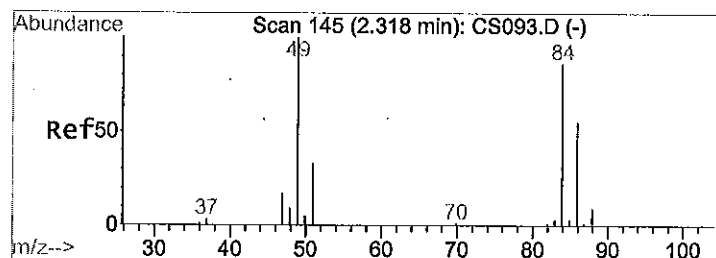
Data File : C:\HPCHEM\1\DATA\090817\C3144.D
 Acq On : 17 Aug 2009 10:40 pm
 Sample : 090813001-013A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:59 2009

Vial: 24
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

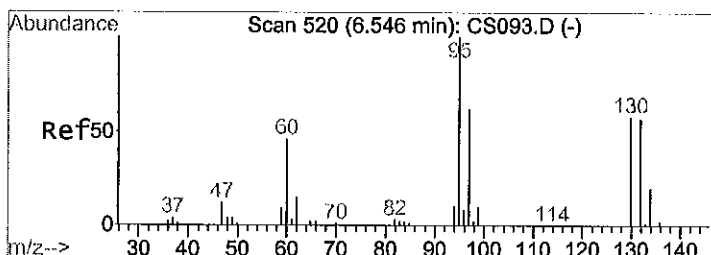
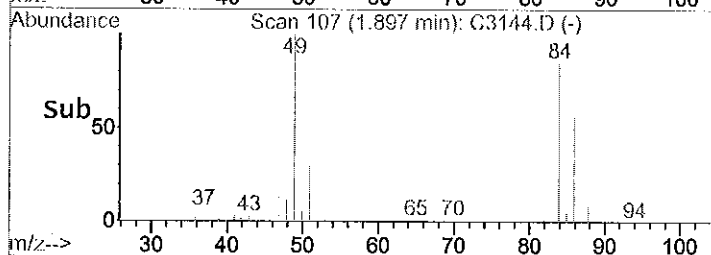
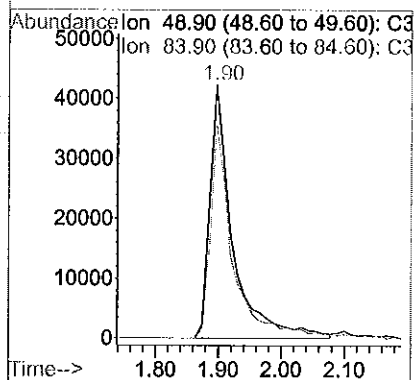
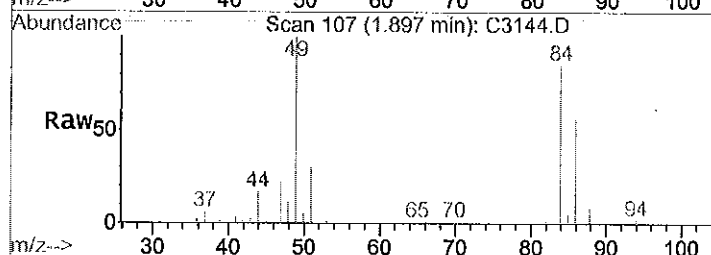
Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa-NBL Plus Calibration
 Last Update : Wed Aug 12 11:23:26 2009
 Response via : Initial Calibration
 DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1316107	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	571234	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	581927	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	410049m	56.55	ug	-0.02
57) Toluene-d8	7.74	98	1381447	49.87	ug	-0.01
72) Bromofluorobenzene	11.32	95	477113	53.21	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	106669	10.32	ug	Qvalue 89
43) Trichloroethene	5.71	130	344682	39.10	ug	# 74



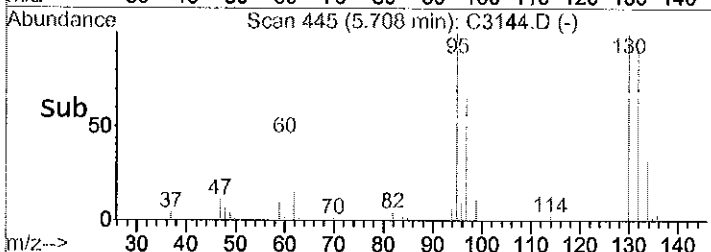
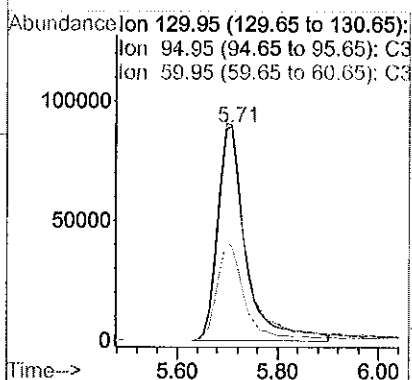
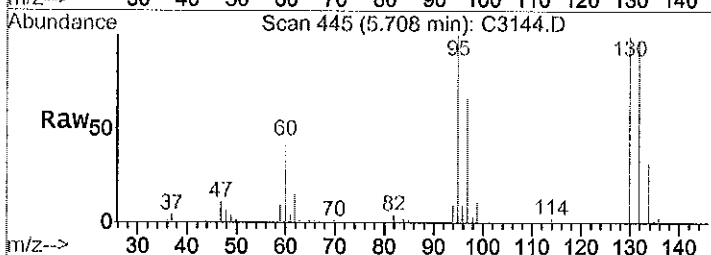
#16
Methylene Chloride
Concen: 10.32 ug
RT: 1.90 min Scan# 107
Delta R.T. 0.00 min
Lab File: C3144.D
Acq: 17 Aug 2009 10:40 pm

Tgt Ion: 49 Resp: 106669
Ion Ratio Lower Upper
49 100
84 84.9 76.7 115.1



#43
Trichloroethene
Concen: 39.10 ug
RT: 5.71 min Scan# 445
Delta R.T. -0.01 min
Lab File: C3144.D
Acq: 17 Aug 2009 10:40 pm

Tgt Ion: 130 Resp: 344682
Ion Ratio Lower Upper
130 100
95 106.2 112.9 169.3#
60 45.6 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1R

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813001-014A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3145.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	7.4	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.3		
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	100		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1R

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-014A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3145.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

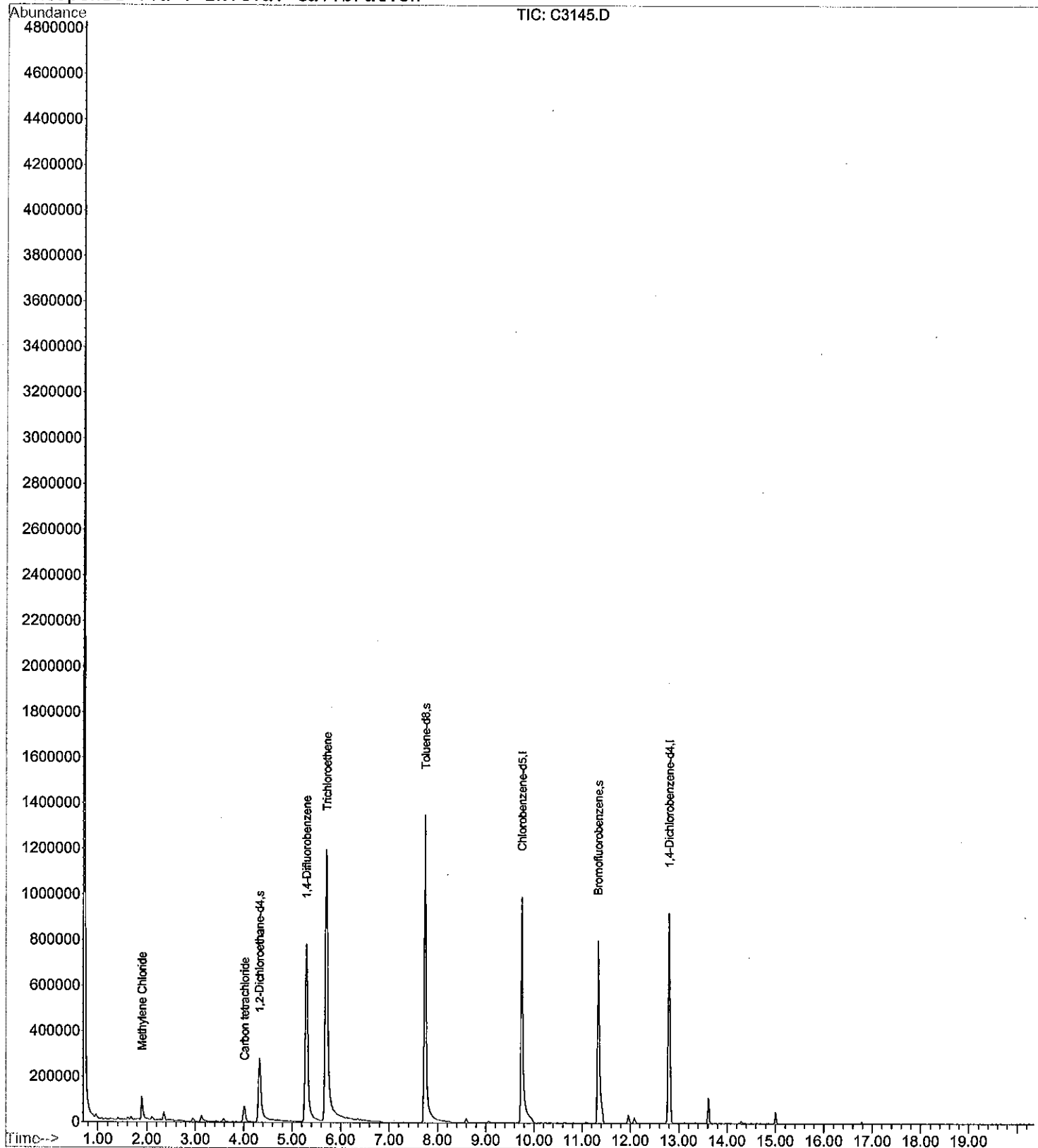
CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3145.D Vial: 25
 Acq On : 17 Aug 2009 11:09 pm Operator:
 Sample : 090813001-014A Inst : GCMS-C
 Misc : SAMP EPA_8260_WATER Multiplr: 1.00
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 10:00 2009 Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090817\C3145.D
 Acq On : 17 Aug 2009 11:09 pm
 Sample : 090813001-014A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 10:00 2009

Vial: 25
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

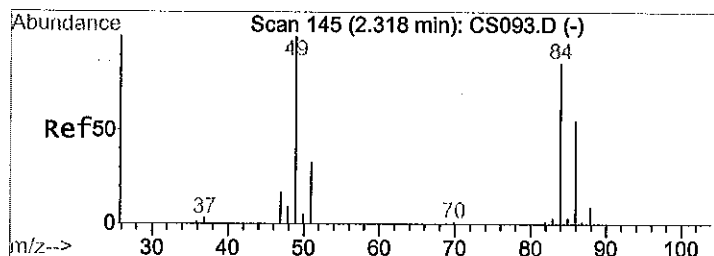
Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

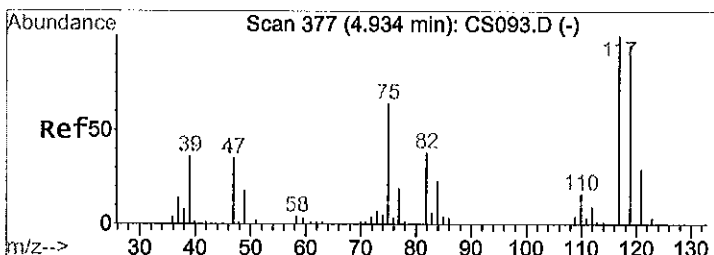
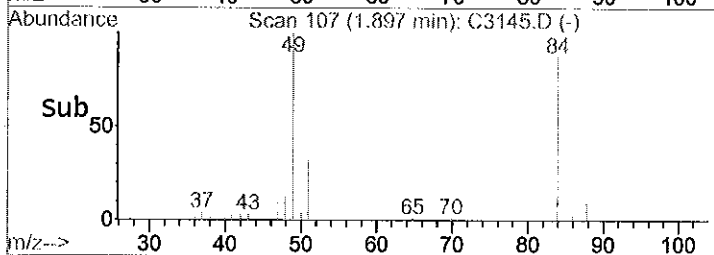
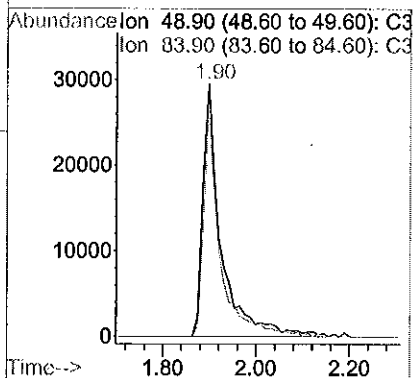
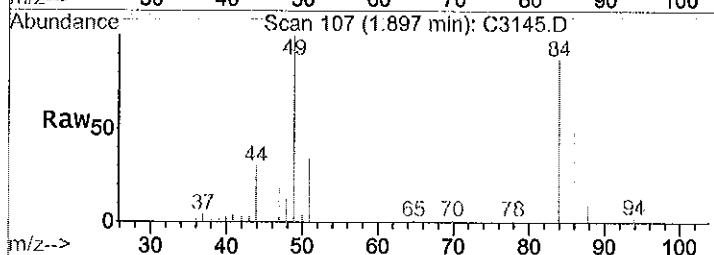
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1373895	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	583135	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	589656	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	427094m	56.42	ug	-0.02
57) Toluene-d8	7.74	98	1477758	52.26	ug	-0.01
72) Bromofluorobenzene	11.32	95	511566	56.30	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	79818	7.40	ug	Qvalue 84
39) Carbon tetrachloride	4.02	117	77018	5.34	ug	90
43) Trichloroethene	5.71	130	931614	103.51	ug	# 67



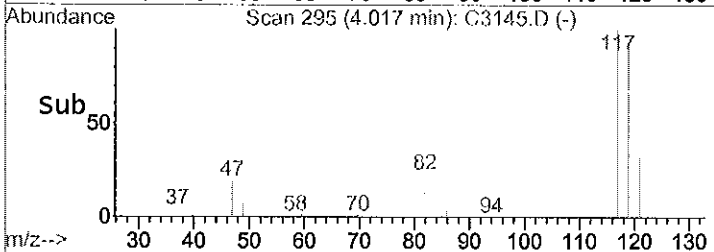
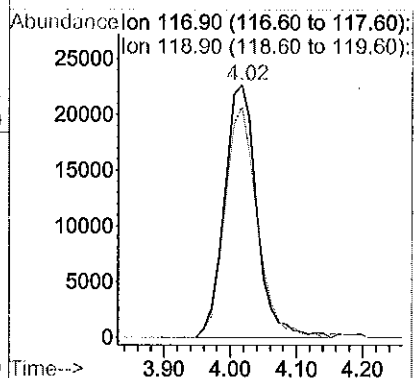
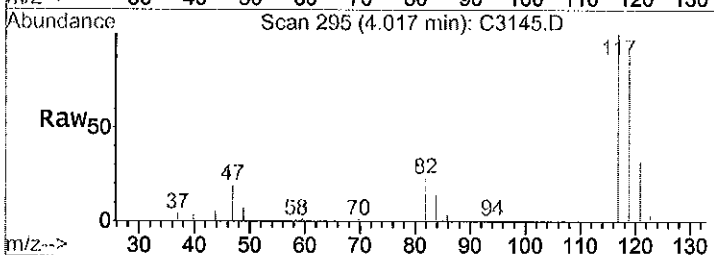
#16
Methylene chloride
Concen: 7.40 ug
RT: 1.90 min Scan# 107
Delta R.T. 0.00 min
Lab File: C3145.D
Acq: 17 Aug 2009 11:09 pm

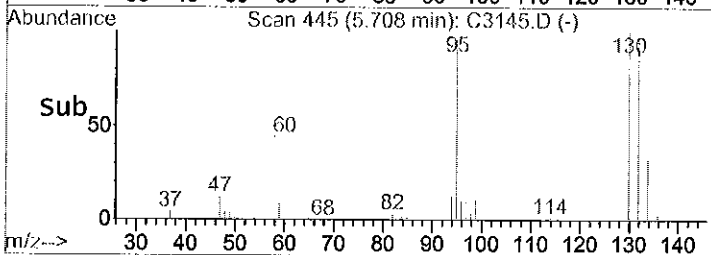
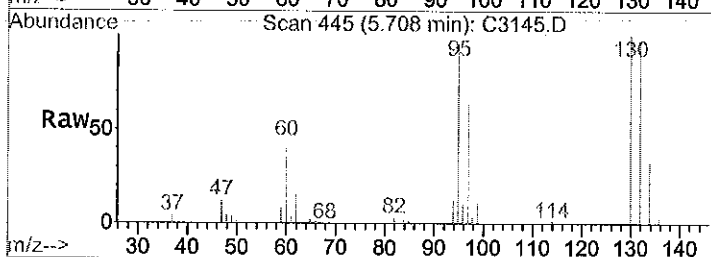
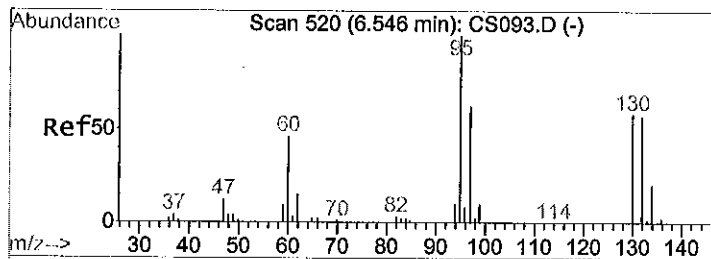
Tgt Ion: 49 Resp: 79818
Ion Ratio Lower Upper
49 100
84 80.4 76.7 115.1



#39
Carbon tetrachloride
Concen: 5.34 ug
RT: 4.02 min Scan# 295
Delta R.T. -0.01 min
Lab File: C3145.D
Acq: 17 Aug 2009 11:09 pm

Tgt Ion: 117 Resp: 77018
Ion Ratio Lower Upper
117 100
119 91.2 80.9 121.3





#43

Trichloroethene

Concen: 103.51 ug

RT: 5.71 min Scan# 445

Delta R.T. -0.01 min

Lab File: C3145.D

Acq: 17 Aug 2009 11:09 pm

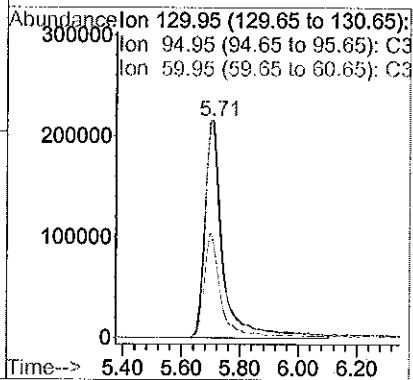
Tgt Ion:130 Resp: 931614

Ion Ratio Lower Upper

130 100

95 94.9 112.9 169.3#

60 43.4 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-015A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3188.D

Level (low/med): Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-015A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3188.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

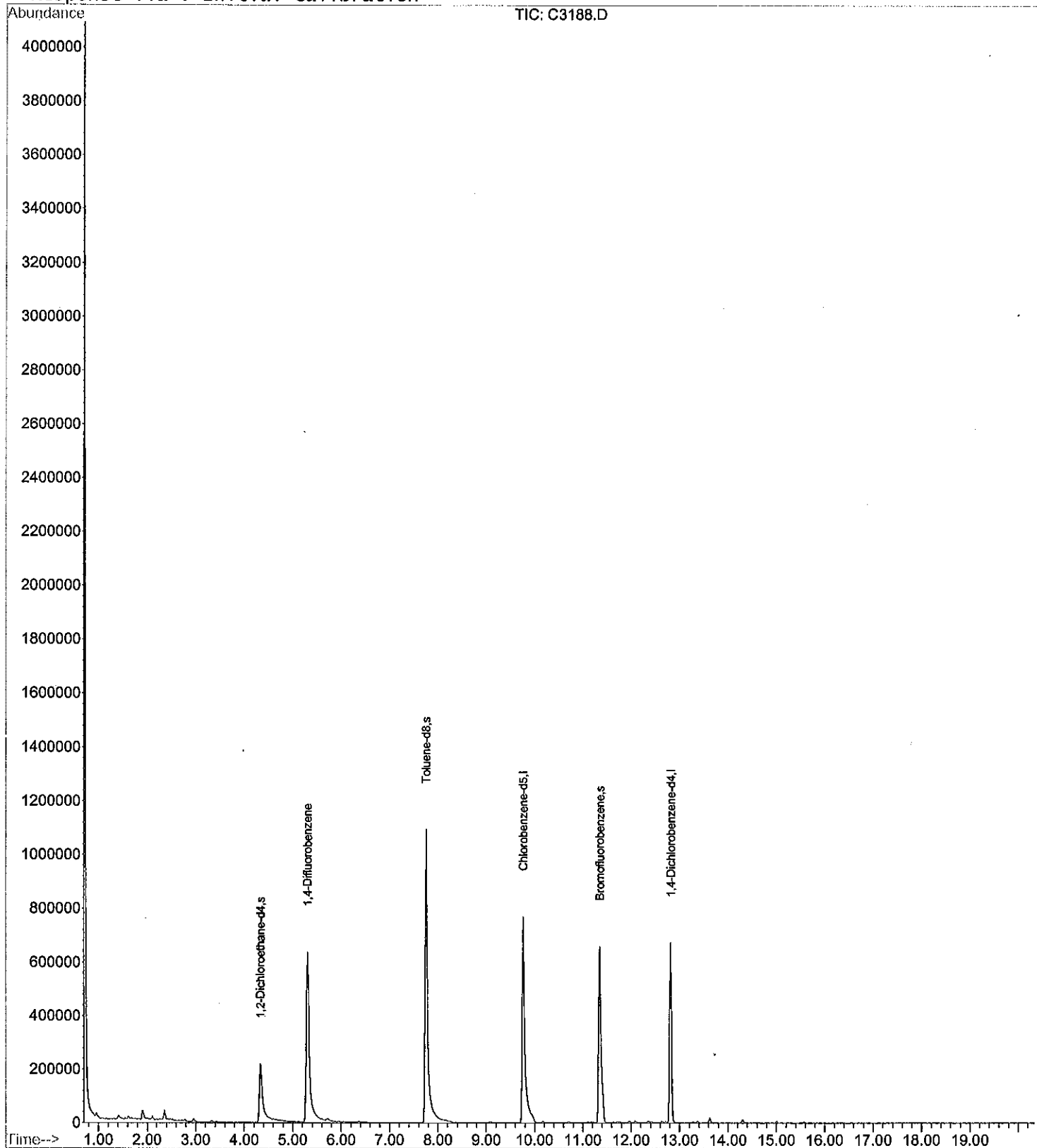
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090820\C3188.D
Acq On : 20 Aug 2009 1:51 pm
Sample : 090813001-015A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 21 11:17 2009

Vial: 10
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\090820\C3188.D
Acq On : 20 Aug 2009 1:51 pm
Sample : 090813001-015A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 21 11:17 2009

Vial: 10
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa-NBL Plus Calibration

Last Update : Tue Aug 18 10:05:55 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1358470	50.00	ug	-0.01
36) Chlorobenzene-d5	9.76	82	564473	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.81	150	505655	50.00	ug	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.33	65	420622	56.20	ug	-0.01
57) Toluene-d8	7.75	98	1499503m	54.78	ug	0.00
72) Bromofluorobenzene	11.35	95	441381m	56.65	ug	0.00

Target Compounds

Qvalue

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813037-004A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3142.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	11	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813037-004A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3142.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

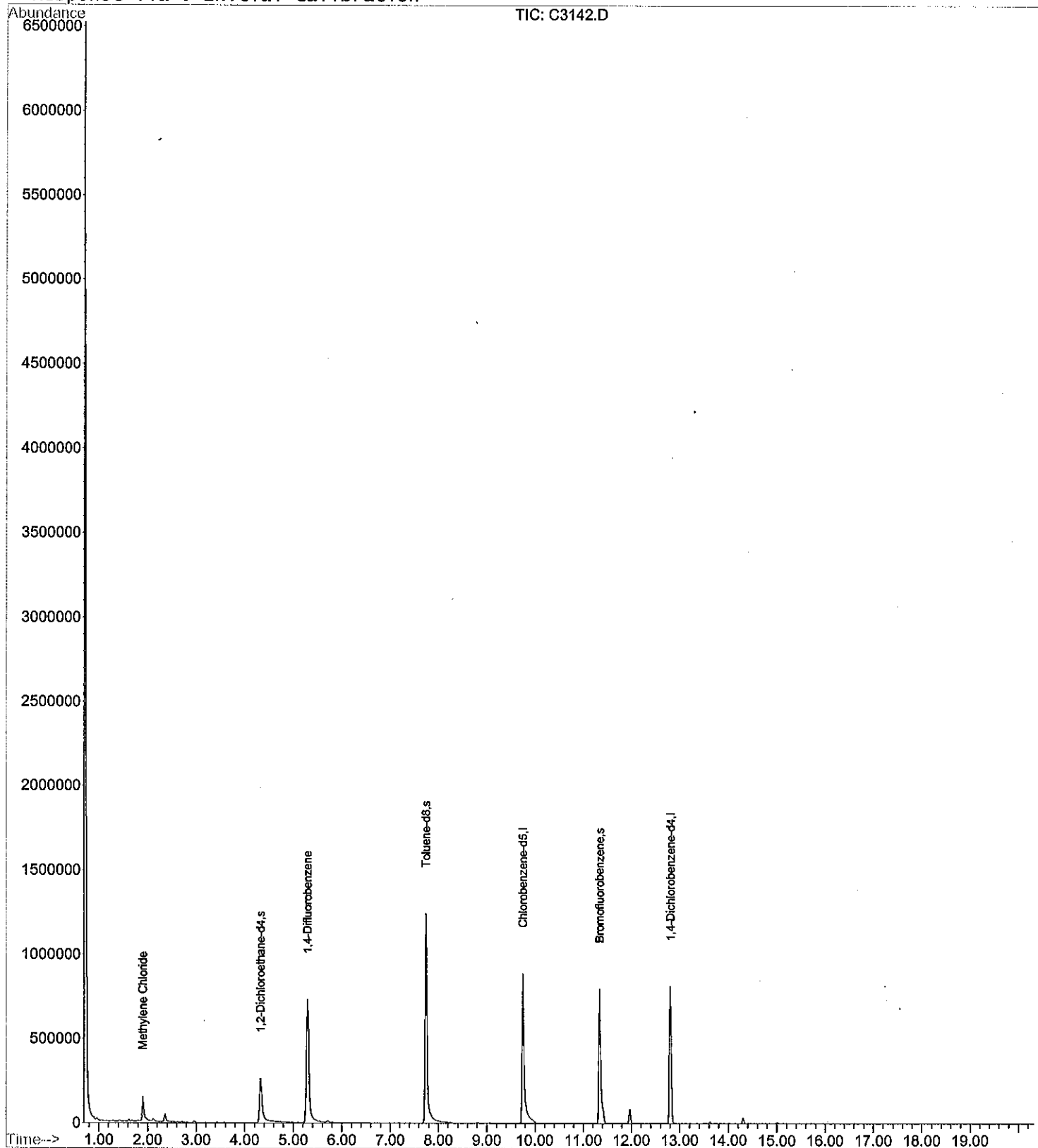
CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3142.D Vial: 22
 Acq On : 17 Aug 2009 9:44 pm Operator:
 Sample : 090813037-004A Inst : GCMS-C
 Misc : SAMP EPA_8260_WATER Multiplr: 1.00
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:58 2009 Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

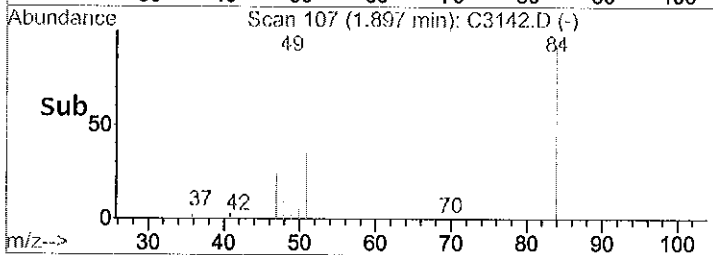
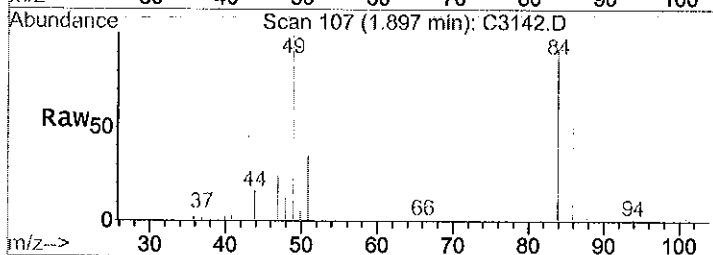
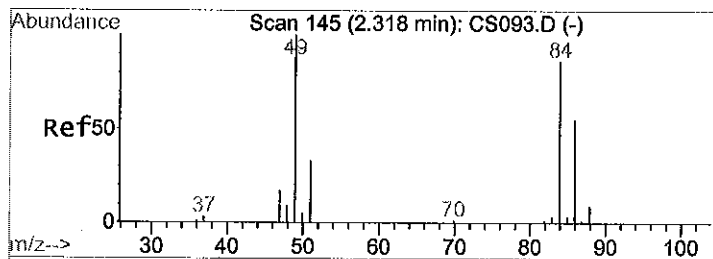
Data File : C:\HPCHEM\1\DATA\090817\C3142.D
 Acq On : 17 Aug 2009 9:44 pm
 Sample : 090813037-004A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:58 2009

vial: 22
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Wed Aug 12 11:23:26 2009
 Response via : Initial Calibration
 DataAcq Meth : METHOC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1281038	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	555799	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.80	150	561302	50.00	ug	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	389176m	55.14	ug	-0.02
57) Toluene-d8	7.74	98	1434547	53.22	ug	-0.01
72) Bromofluorobenzene	11.33	95	484052	55.96	ug	-0.01
Target Compounds						
16) Methylene Chloride	1.90	49	112118	11.15	ug	Qvalue 93



#16

Methylene Chloride

Concen: 11.15 ug

RT: 1.90 min Scan# 107

Delta R.T. 0.00 min

Lab File: C3142.D

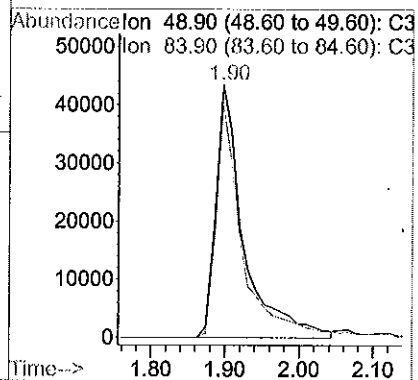
Acq: 17 Aug 2009 9:44 pm

Tgt Ion: 49 Resp: 112118

Ion Ratio Lower Upper

49 100

84 89.4 76.7 115.1



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-003A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3106.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	20	U	
74-87-3	Chloromethane	20	U	
75-01-4	Vinyl chloride	20	U	
74-83-9	Bromomethane	20	U	
75-00-3	Chloroethane	20	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	10	U	
75-15-0	Carbon disulfide	10	U	
67-64-1	Acetone	20	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
74-97-5	Bromochloromethane	10	U	
67-66-3	Chloroform	10	U	
110-82-7	Cyclohexane	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	20	U	
108-87-2	Methyl Cyclohexane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
79-01-6	Trichloroethene	290		
78-87-5	1,2-Dichloropropane	10	U	
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
124-48-1	Dibromochloromethane	10	U	
106-93-4	1,2-Dibromoethane	10	U	
75-25-2	Bromoform	10	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: AES, Inc. Contract: ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent
 Matrix (soil/water): WATER Lab Sample ID: 090812001-003A
 Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3106.D
 Level (low/med): _____ Date Received: 8/11/09
 % Moisture: not dec. 100 Date Analyzed: 8/14/09
 GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 2.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		20	U
108-88-3	Toluene		10	U
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone		20	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethyl Benzene		10	U
126777-61-2	m,p-Xylenes		10	U
95-47-6	o-Xylene		10	U
100-42-5	Styrene		10	U
98-82-8	Isopropylbenzene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
541-73-1	1,3-Dichlorobenzene		10	U
106-46-7	1,4-Dichlorobenzene		10	U
95-50-1	1,2-Dichlorobenzene		10	U
96-12-8	1,2-Dibromo-3-Chloropropane		20	U
120-82-1	1,2,4-Trichlorobenzene		10	U

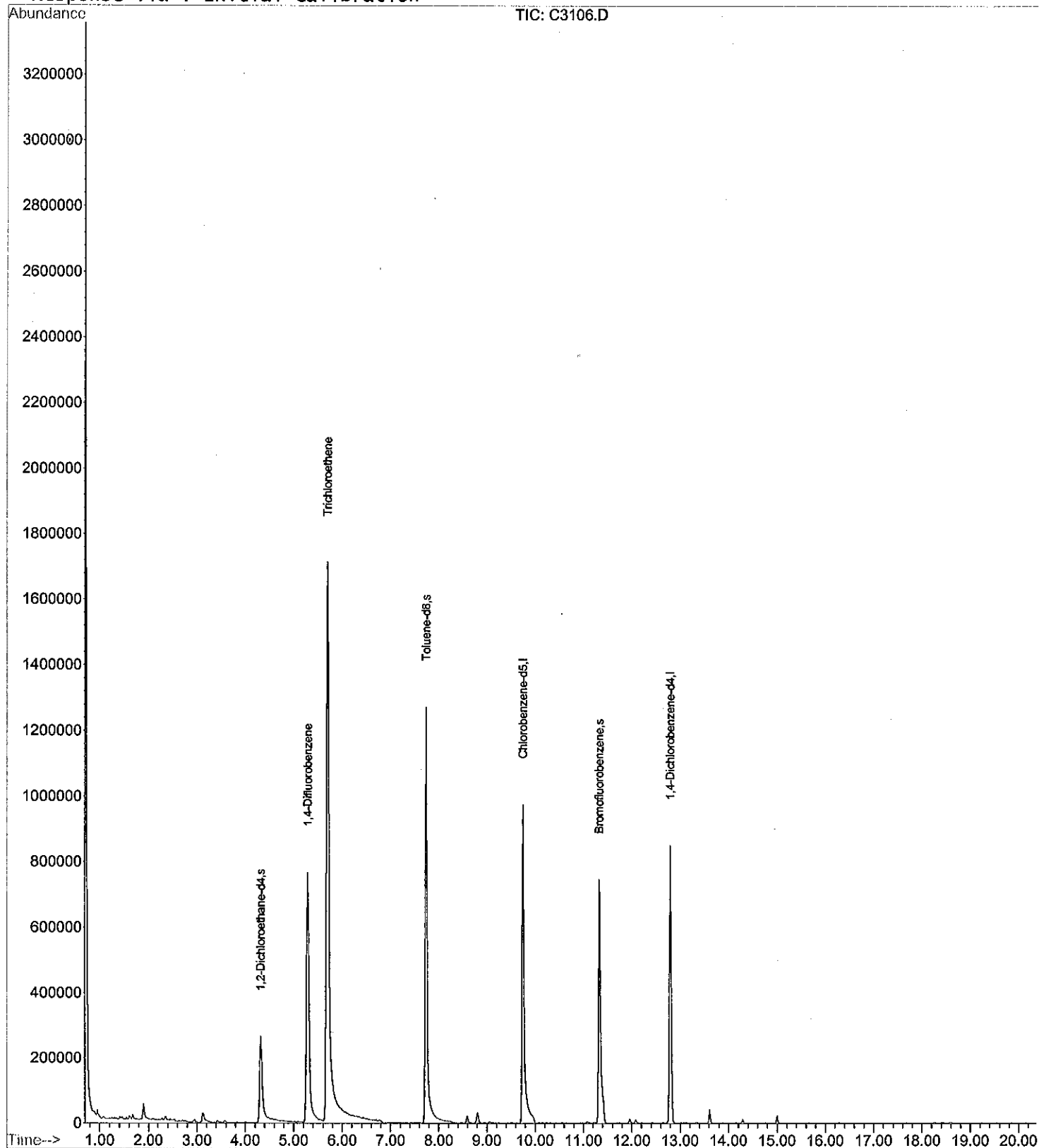
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\C3106.D
 Acq On : 14 Aug 2009 2:01 pm
 Sample : 090812001-003A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 12:59 2009

Vial: 10
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

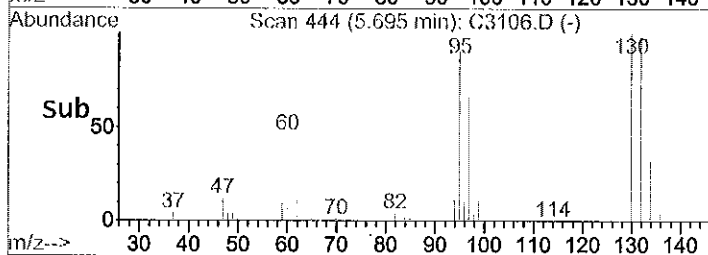
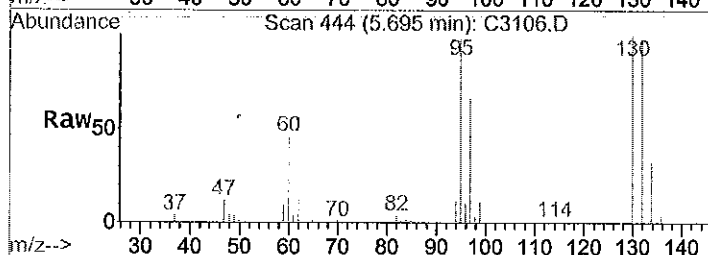
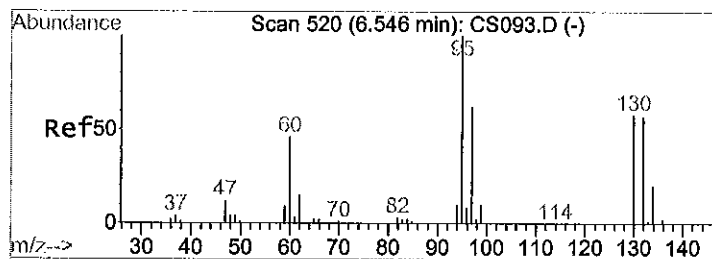
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 Acq On : 14 Aug 2009 2:01 pm
 Sample : 090812001-003A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 12:59 2009

Vial: 10
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Wed Aug 12 11:23:26 2009
 Response via : Initial Calibration
 DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1333266	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	571540	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	563746	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	417635m	56.85	ug	-0.02
57) Toluene-d8	7.74	98	1394760	50.32	ug	-0.01
72) Bromofluorobenzene	11.32	95	465114	53.54	ug	-0.02
Target Compounds						
43) Trichloroethene	5.69	130	1293210	146.61	ug	Qvalue # 69



#43

Trichloroethene

Concen: 146.61 ug

RT: 5.69 min Scan# 444

Delta R.T. -0.02 min

Lab File: C3106.D

Acq: 14 Aug 2009 2:01 pm

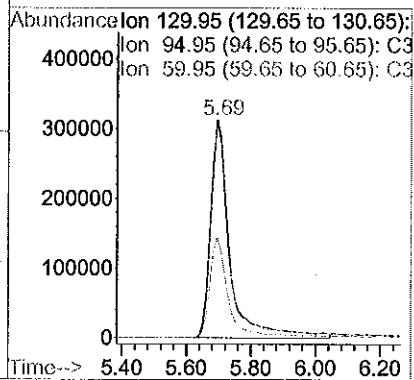
Tgt Ion:130 Resp: 1293210

Ion Ratio Lower Upper

130 100

95 99.2 112.9 169.3#

60 43.1 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4R

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3120.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 100.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	1000	U	
74-87-3	Chloromethane	1000	U	
75-01-4	Vinyl chloride	1000	U	
74-83-9	Bromomethane	1000	U	
75-00-3	Chloroethane	1000	U	
75-69-4	Trichlorofluoromethane	500	U	
75-35-4	1,1-Dichloroethene	500	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	500	U	
75-15-0	Carbon disulfide	500	U	
67-64-1	Acetone	1000	U	
79-20-9	Methyl Acetate	500	U	
75-09-2	Methylene Chloride	500	U	
156-60-5	trans-1,2-Dichloroethene	500	U	
1634-04-4	Methyl tert-butyl Ether	500	U	
75-34-3	1,1-Dichloroethane	500	U	
156-59-2	cis-1,2-Dichloroethene	500	U	
74-97-5	Bromochloromethane	500	U	
67-66-3	Chloroform	500	U	
110-82-7	Cyclohexane	500	U	
107-06-2	1,2-Dichloroethane	500	U	
78-93-3	2-Butanone	1000	U	
108-87-2	Methyl Cyclohexane	500	U	
71-55-6	1,1,1-Trichloroethane	500	U	
56-23-5	Carbon Tetrachloride	500	U	
71-43-2	Benzene	500	U	
79-01-6	Trichloroethene	10000		
78-87-5	1,2-Dichloropropane	500	U	
75-27-4	Bromodichloromethane	500	U	
10061-01-5	cis-1,3-Dichloropropene	500	U	
10061-02-6	trans-1,3-Dichloropropene	500	U	
79-00-5	1,1,2-Trichloroethane	500	U	
124-48-1	Dibromochloromethane	500	U	
106-93-4	1,2-Dibromoethane	500	U	
75-25-2	Bromoform	500	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4R

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3120.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 100.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		1000	U
108-88-3	Toluene		500	U
127-18-4	Tetrachloroethene		500	U
591-78-6	2-Hexanone		1000	U
108-90-7	Chlorobenzene		500	U
100-41-4	Ethyl Benzene		500	U
126777-61-2	m,p-Xylenes		500	U
95-47-6	o-Xylene		500	U
100-42-5	Styrene		500	U
98-82-8	Isopropylbenzene		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U
541-73-1	1,3-Dichlorobenzene		500	U
106-46-7	1,4-Dichlorobenzene		500	U
95-50-1	1,2-Dichlorobenzene		500	U
96-12-8	1,2-Dibromo-3-Chloropropane		1000	U
120-82-1	1,2,4-Trichlorobenzene		500	U

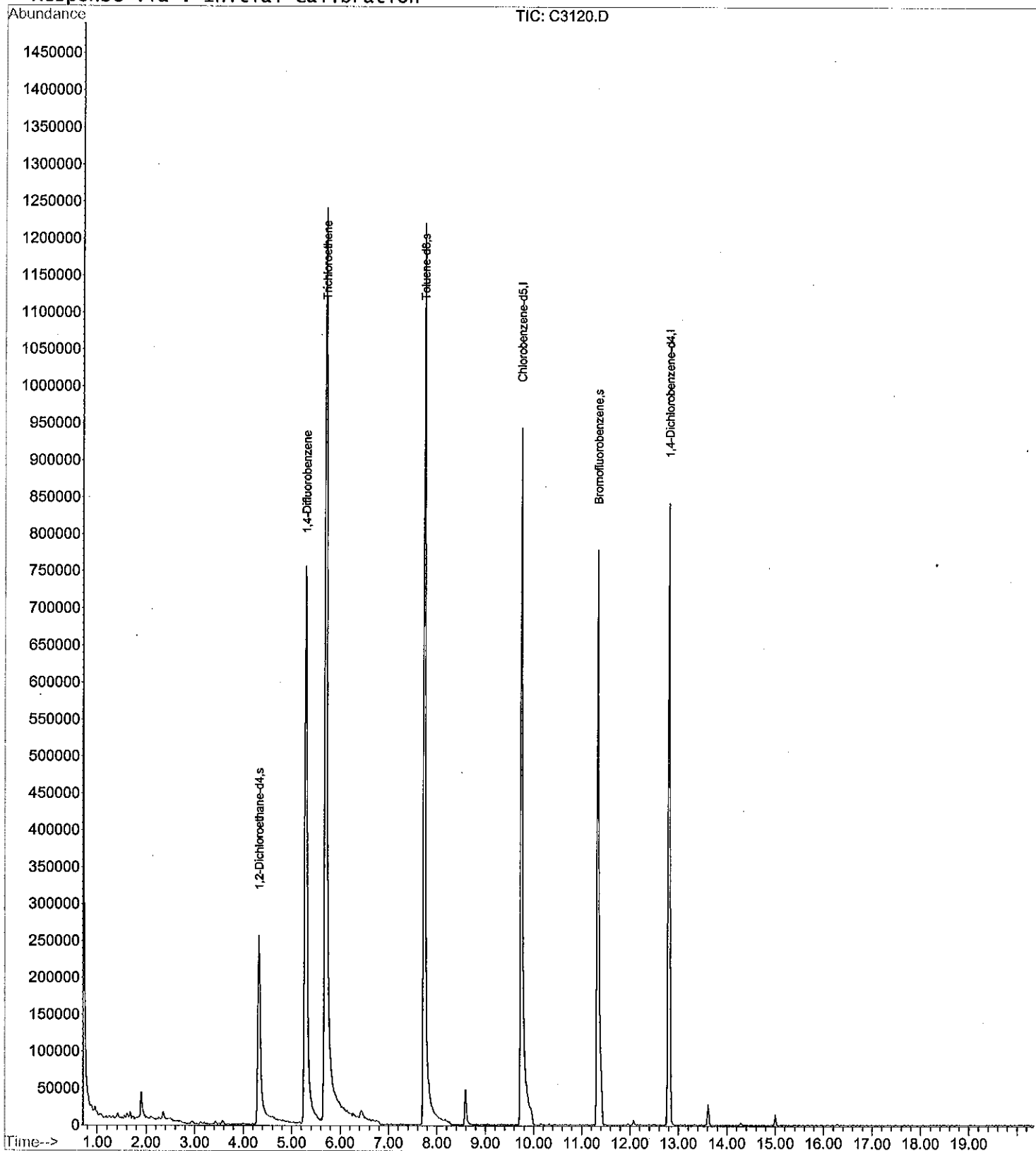
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\C3120.D
 Acq On : 14 Aug 2009 8:37 pm
 Sample : 090812001-001A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 13:04 2009

Vial: 24
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\C3120.D
Acq On : 14 Aug 2009 8:37 pm
Sample : 090812001-001A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 17 13:04 2009

Vial: 24
Operator:
Inst : GCMS-C
Multiplr: 1.00

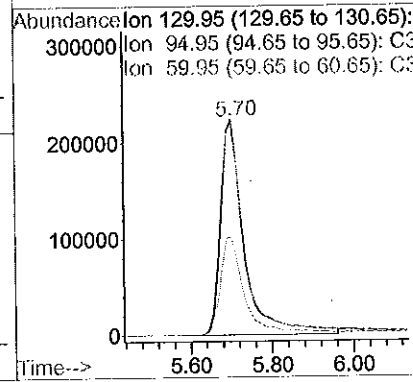
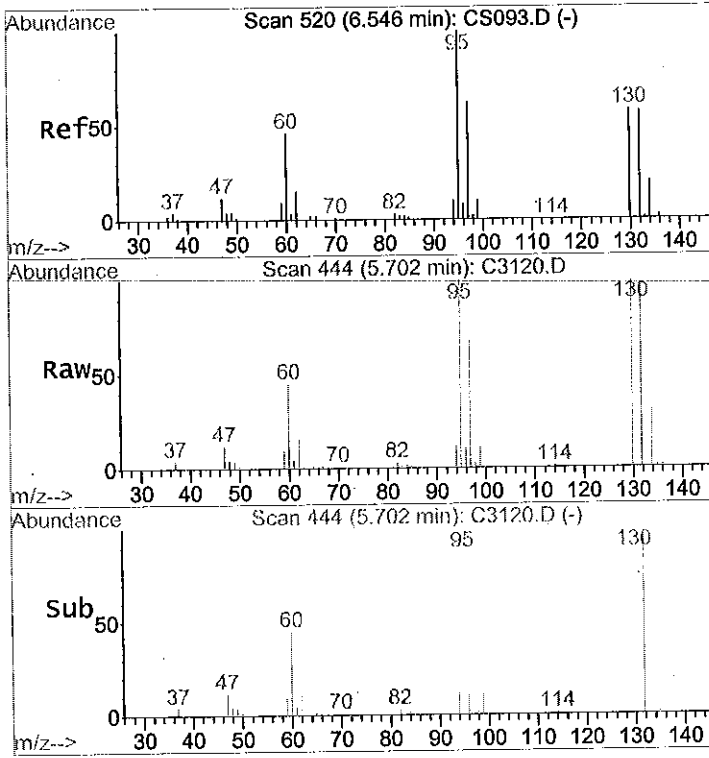
Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1328686	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	571823	50.00	ug	-0.02
69) 1,4-Dichlorobenzene-d4	12.79	150	578686	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.33	65	414912m	56.68	ug	-0.02
57) Toluene-d8	7.73	98	1424214	51.36	ug	-0.02
72) Bromofluorobenzene	11.33	95	473060	53.05	ug	-0.02
Target Compounds						
43) Trichloroethene	5.70	130	899075	101.88	ug	Qvalue # 73

#43
 Trichloroethene
 Concen: 101.88 ug
 RT: 5.70 min Scan# 444
 Delta R.T. -0.02 min
 Lab File: C3120.D
 Acq: 14 Aug 2009 8:37 pm

Tgt Ion: 130 Resp: 899075
 Ion Ratio Lower Upper
 130 100
 95 102.6 112.9 169.3#
 60 47.3 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-004A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3107.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 20.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		200	U
74-87-3	Chloromethane		200	U
75-01-4	Vinyl chloride		200	U
74-83-9	Bromomethane		200	U
75-00-3	Chloroethane		200	U
75-69-4	Trichlorofluoromethane		100	U
75-35-4	1,1-Dichloroethene		100	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		100	U
75-15-0	Carbon disulfide		100	U
67-64-1	Acetone		260	
79-20-9	Methyl Acetate		100	U
75-09-2	Methylene Chloride		100	
156-60-5	trans-1,2-Dichloroethene		100	U
1634-04-4	Methyl tert-butyl Ether		100	U
75-34-3	1,1-Dichloroethane		100	U
156-59-2	cis-1,2-Dichloroethene		100	U
74-97-5	Bromochloromethane		100	U
67-66-3	Chloroform		100	U
110-82-7	Cyclohexane		100	U
107-06-2	1,2-Dichloroethane		100	U
78-93-3	2-Butanone		200	U
108-87-2	Methyl Cyclohexane		100	U
71-55-6	1,1,1-Trichloroethane		100	U
56-23-5	Carbon Tetrachloride		100	U
71-43-2	Benzene		100	U
79-01-6	Trichloroethene		4000	
78-87-5	1,2-Dichloropropane		100	U
75-27-4	Bromodichloromethane		100	U
10061-01-5	cis-1,3-Dichloropropene		100	U
10061-02-6	trans-1,3-Dichloropropene		100	U
79-00-5	1,1,2-Trichloroethane		100	U
124-48-1	Dibromochloromethane		100	U
106-93-4	1,2-Dibromoethane		100	U
75-25-2	Bromoform		100	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-004A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3107.D

Level (low/med): Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 20.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		200	U
108-88-3	Toluene		100	U
127-18-4	Tetrachloroethene		71	J
591-78-6	2-Hexanone		200	U
108-90-7	Chlorobenzene		100	U
100-41-4	Ethyl Benzene		100	U
126777-61-2	m,p-Xylenes		100	U
95-47-6	o-Xylene		100	U
100-42-5	Styrene		100	U
98-82-8	Isopropylbenzene		100	U
79-34-5	1,1,2,2-Tetrachloroethane		100	U
541-73-1	1,3-Dichlorobenzene		100	U
106-46-7	1,4-Dichlorobenzene		100	U
95-50-1	1,2-Dichlorobenzene		100	U
96-12-8	1,2-Dibromo-3-Chloropropane		200	U
120-82-1	1,2,4-Trichlorobenzene		100	U

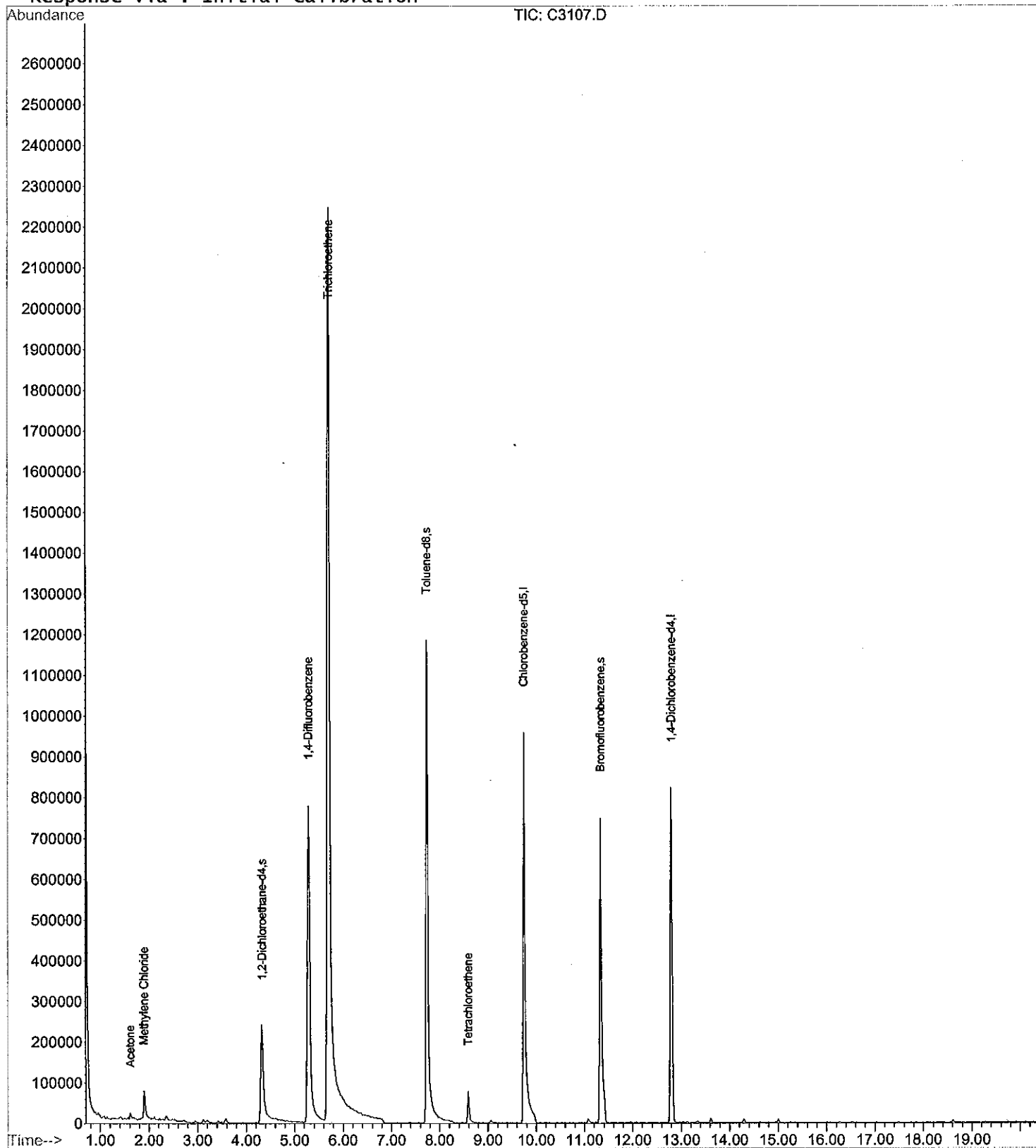
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\C3107.D
 Acq On : 14 Aug 2009 2:30 pm
 Sample : 090812001-004A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 13:00 2009

Vial: 11
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\C3107.D

Vial: 11

Acq On : 14 Aug 2009 2:30 pm

Operator:

Sample : 090812001-004A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 13:00 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

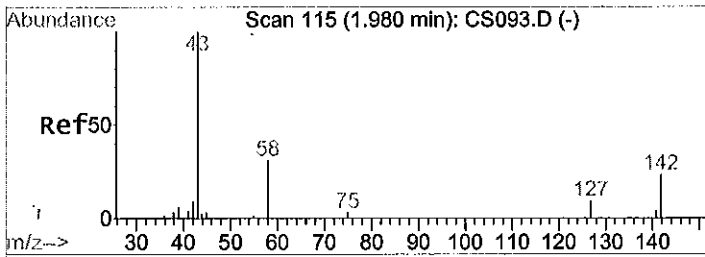
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Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

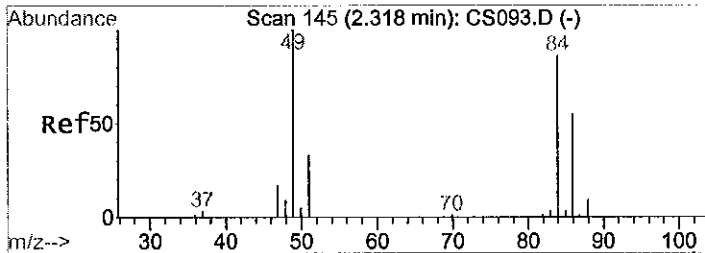
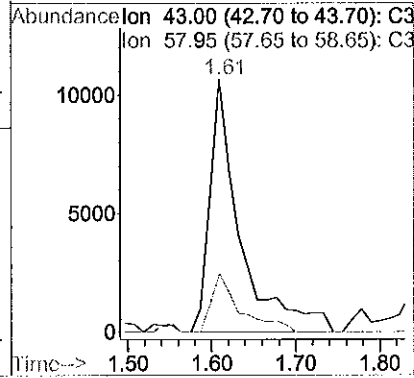
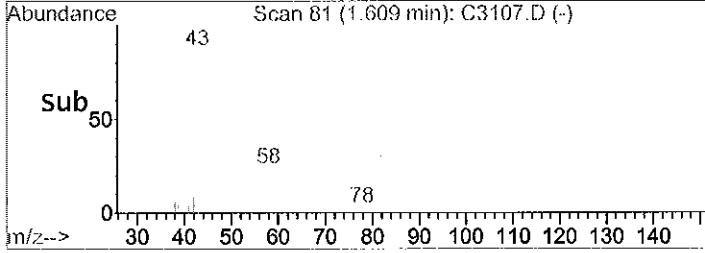
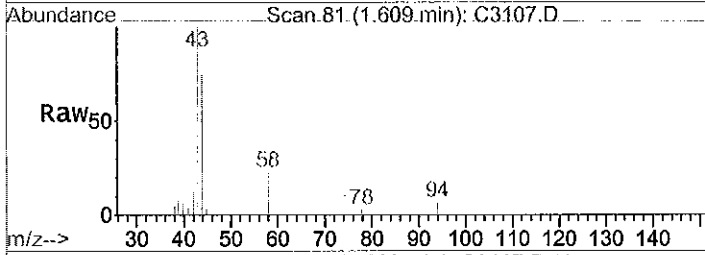
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1395576	50.00	ug	-0.03
36) Chlorobenzene-d5	9.74	82	570883	50.00	ug	-0.02
69) 1,4-Dichlorobenzene-d4	12.79	150	571675	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.33	65	426215	55.43	ug	-0.02
57) Toluene-d8	7.73	98	1361210	49.17	ug	-0.02
72) Bromofluorobenzene	11.33	95	464488	52.73	ug	-0.02
Target Compounds						
13) Acetone	1.61	43	26621	13.01	ug	Qvalue # 88
16) Methylene Chloride	1.89	49	57136	5.21	ug	92
43) Trichloroethene	5.70	130	1742163m	197.73	ug	
59) Tetrachloroethene	8.59	164	24877	3.55	ug	95



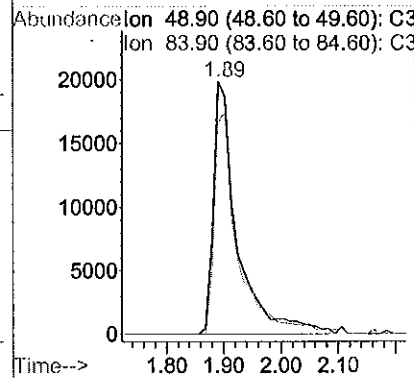
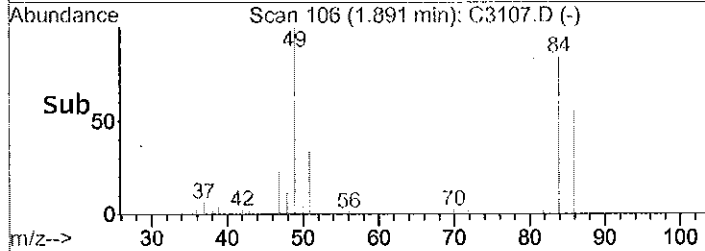
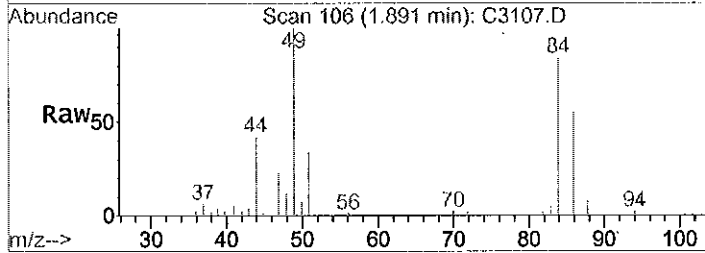
#13
Acetone
Concen: 13.01 ug
RT: 1.61 min Scan# 81
Delta R.T. -0.03 min
Lab File: C3107.D
Acq: 14 Aug 2009 2:30 pm

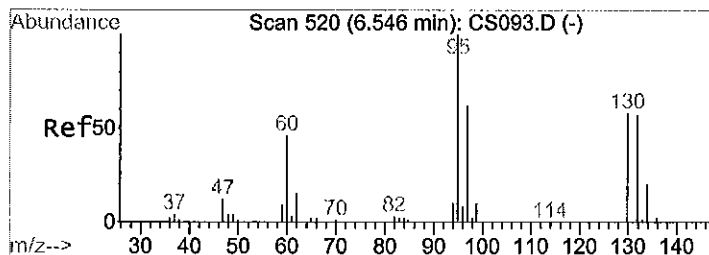
Tgt Ion: 43 Resp: 26621
Ion Ratio Lower Upper
43 100
58 21.7 22.4 33.6#



#16
Methylene chloride
Concen: 5.21 ug
RT: 1.89 min Scan# 106
Delta R.T. -0.01 min
Lab File: C3107.D
Acq: 14 Aug 2009 2:30 pm

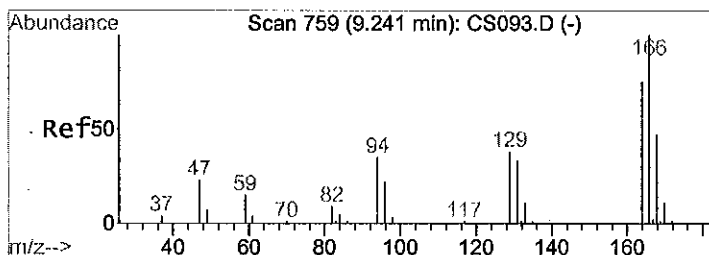
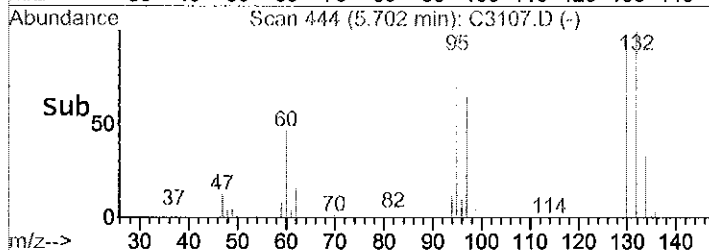
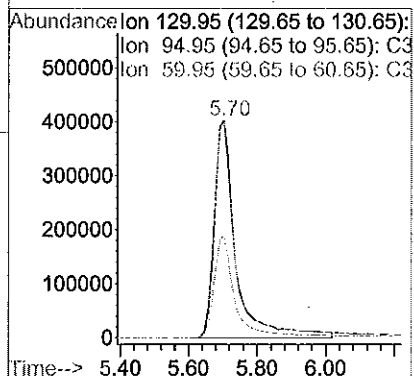
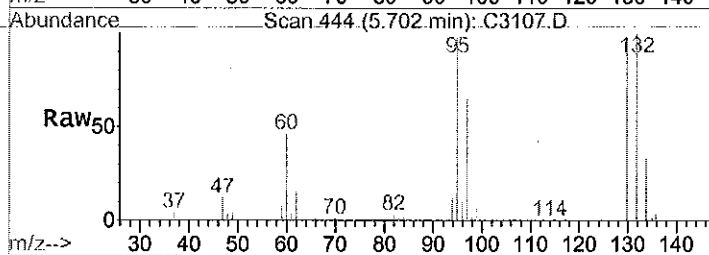
Tgt Ion: 49 Resp: 57136
Ion Ratio Lower Upper
49 100
84 88.0 76.7 115.1





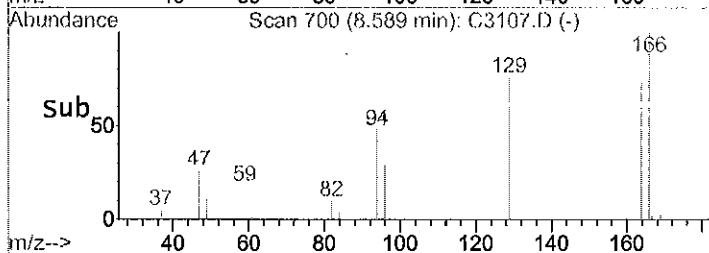
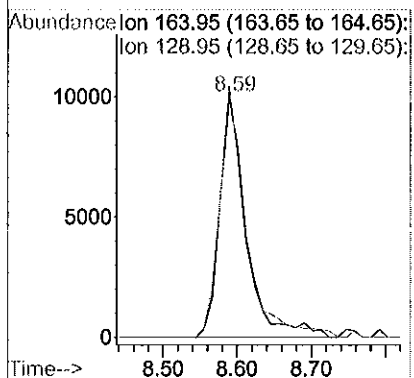
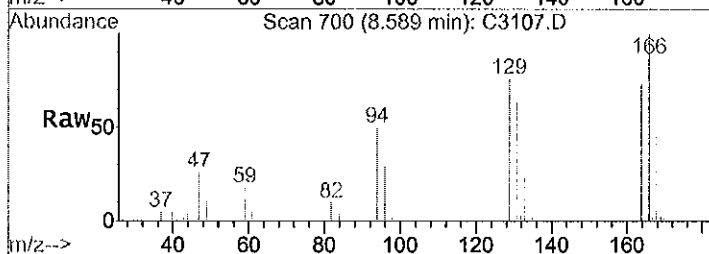
#43
 Trichloroethene
 Concen: 197.73 ug m
 RT: 5.70 min Scan# 444
 Delta R.T. -0.02 min
 Lab File: C3107.D
 Acq: 14 Aug 2009 2:30 pm

Tgt Ion:130 Resp: 1742163
 Ion Ratio Lower Upper
 130 100
 95 97.2 112.9 169.3#
 60 45.2 48.4 72.6#



#59
 Tetrachloroethene
 Concen: 3.55 ug
 RT: 8.59 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: C3107.D
 Acq: 14 Aug 2009 2:30 pm

Tgt Ion:164 Resp: 24877
 Ion Ratio Lower Upper
 164 100
 129 102.1 86.2 129.2



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-002A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3109.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		20	U
74-87-3	Chloromethane		20	U
75-01-4	Vinyl chloride		20	U
74-83-9	Bromomethane		20	U
75-00-3	Chloroethane		20	U
75-69-4	Trichlorofluoromethane		10	U
75-35-4	1,1-Dichloroethene		10	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		10	U
75-15-0	Carbon disulfide		10	U
67-64-1	Acetone		20	U
79-20-9	Methyl Acetate		10	U
75-09-2	Methylene Chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
1634-04-4	Methyl tert-butyl Ether		10	U
75-34-3	1,1-Dichloroethane		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
74-97-5	Bromochloromethane		10	U
67-66-3	Chloroform		10	U
110-82-7	Cyclohexane		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		20	U
108-87-2	Methyl Cyclohexane		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
71-43-2	Benzene		10	U
79-01-6	Trichloroethene		390	
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
124-48-1	Dibromochloromethane		10	U
106-93-4	1,2-Dibromoethane		10	U
75-25-2	Bromoform		10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: AES, Inc. Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATER Lab Sample ID: 090812001-002ASample wt/vol: 5.0 (g/mL) ml Lab File ID: C3109.DLevel (low/med): _____ Date Received: 8/11/09% Moisture: not dec. 100 Date Analyzed: 8/14/09GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		20	U
108-88-3	Toluene		10	U
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone		20	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethyl Benzene		10	U
126777-61-2	m,p-Xylenes		10	U
95-47-6	o-Xylene		10	U
100-42-5	Styrene		10	U
98-82-8	Isopropylbenzene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
541-73-1	1,3-Dichlorobenzene		10	U
106-46-7	1,4-Dichlorobenzene		10	U
95-50-1	1,2-Dichlorobenzene		10	U
96-12-8	1,2-Dibromo-3-Chloropropane		20	U
120-82-1	1,2,4-Trichlorobenzene		10	U

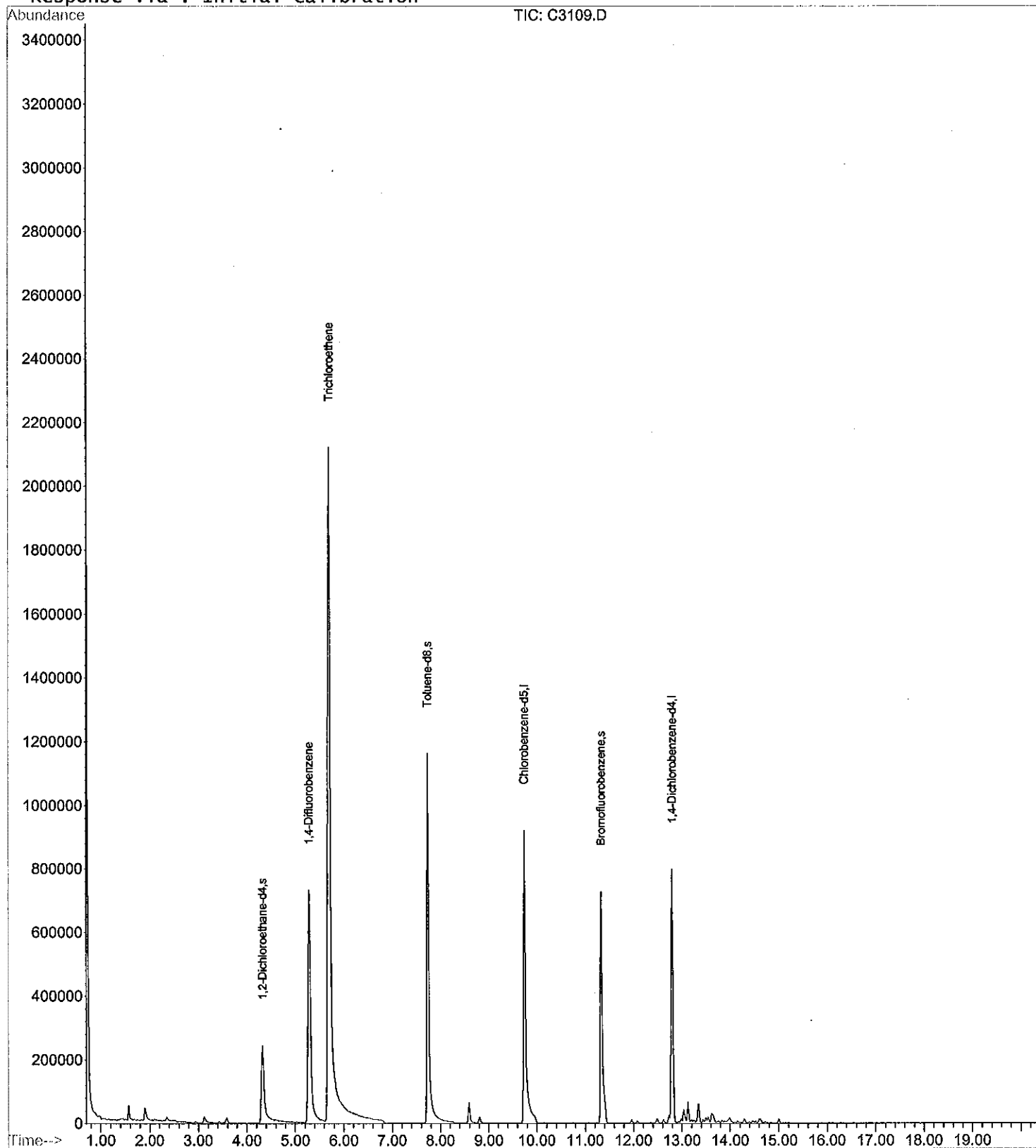
Quantitation Report

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 Sample : 090812001-002A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 13:01 2009

Vial: 13
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



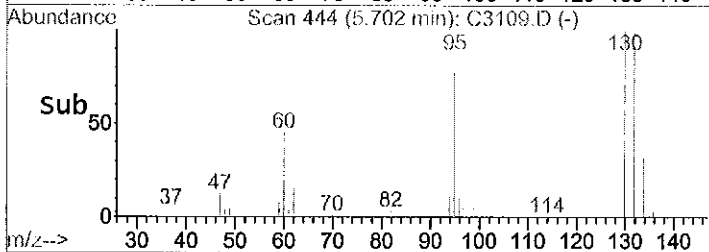
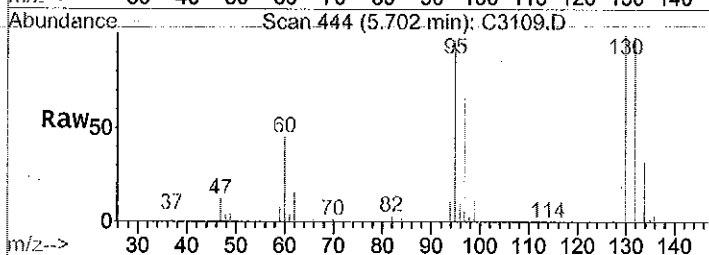
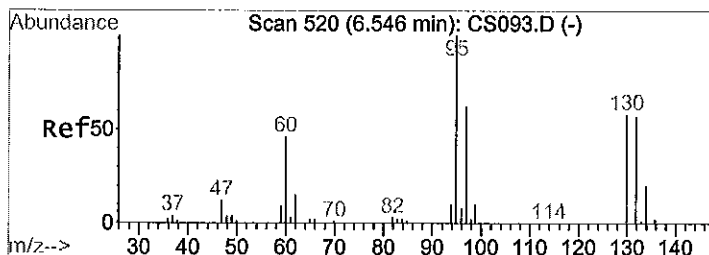
Data File : C:\HPCHEM\1\DATA\090814\C3109.D
Acq On : 14 Aug 2009 3:27 pm
Sample : 090812001-002A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 17 13:01 2009

Vial: 13
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.28	114	1327671	50.00	ug	-0.03
36) Chlorobenzene-d5	9.74	82	568438	50.00	ug	-0.02
69) 1,4-Dichlorobenzene-d4	12.79	150	556021	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.33	65	409062m	55.92	ug	-0.02
57) Toluene-d8	7.73	98	1337036	48.50	ug	-0.02
72) Bromofluorobenzene	11.33	95	450645	52.60	ug	-0.02
Target Compounds						
43) Trichloroethene	5.70	130	1690800	192.73	ug	Qvalue # 66



#43

Trichloroethene

Concen: 192.73 ug

RT: 5.70 min Scan# 444

Delta R.T. -0.02 min

Lab File: C3109.D

Acq: 14 Aug 2009 3:27 pm

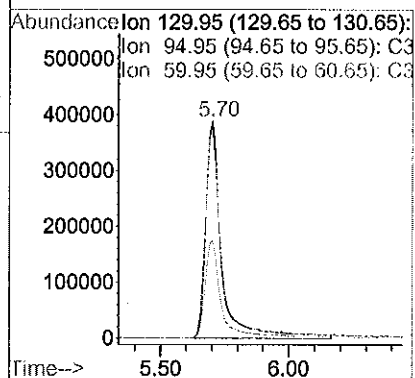
Tgt Ion:130 Resp: 1690800

Ion Ratio Lower Upper

130 100

95 94.4 112.9 169.3#

60 42.7 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-006A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3125.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	11	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	110		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-006A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3125.D

Level (low/med): Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

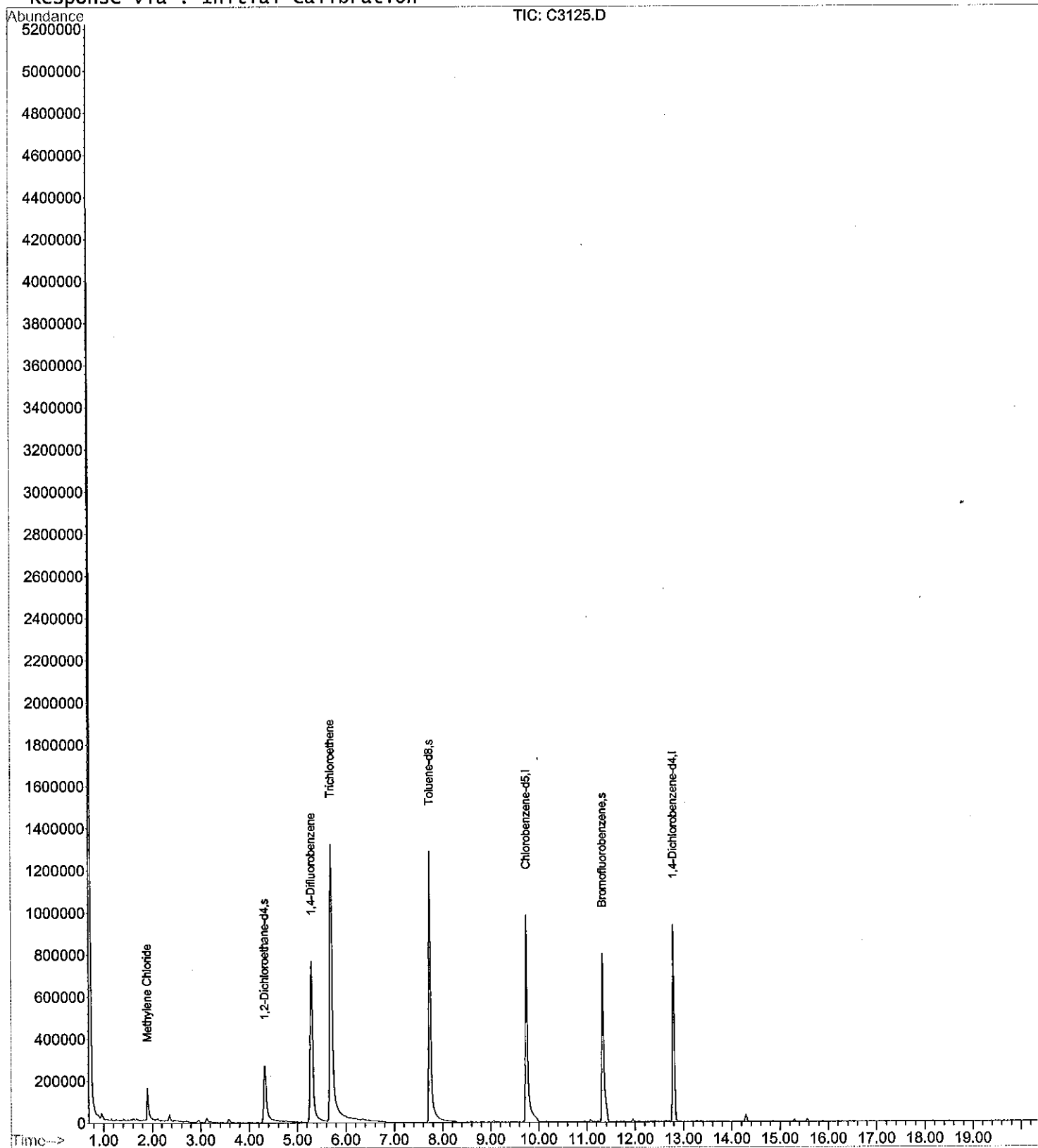
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3125.D
 Acq On : 17 Aug 2009 1:40 pm
 Sample : 090813001-006A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:48 2009

Vial: 5
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090817\C3125.D

Vial: 5

Acq On : 17 Aug 2009 1:40 pm

Operator:

Sample : 090813001-006A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 18 9:48 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

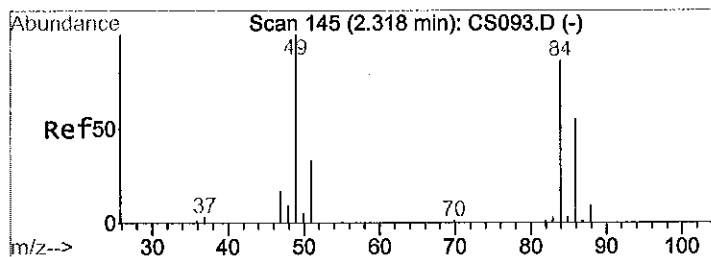
Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

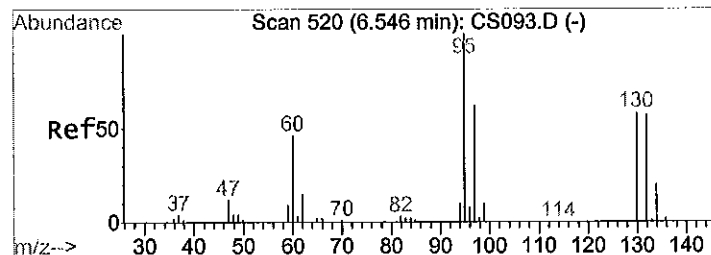
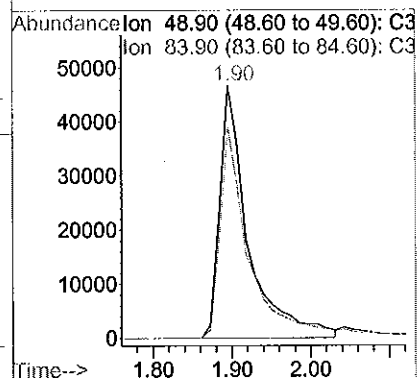
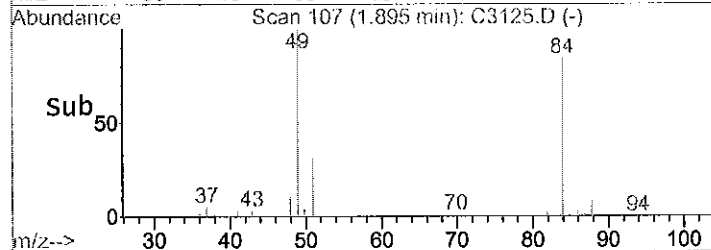
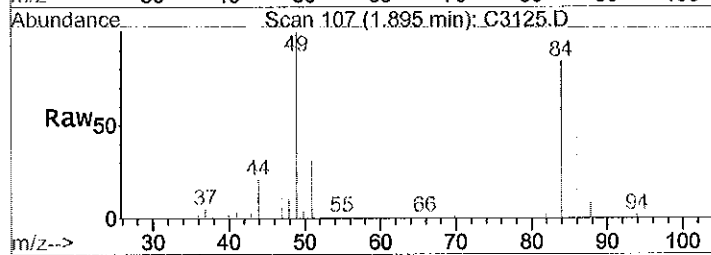
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1362843	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	581012	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	599582	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	443393	59.05	ug	-0.02
57) Toluene-d8	7.74	98	1424680	50.56	ug	-0.01
72) Bromofluorobenzene	11.32	95	497020	53.79	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	116165	10.85	ug	Qvalue 92
43) Trichloroethene	5.70	130	1013731	113.05	ug	# 71



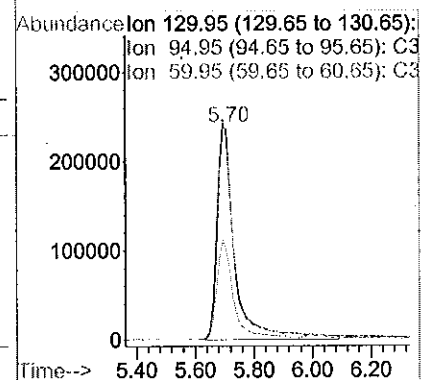
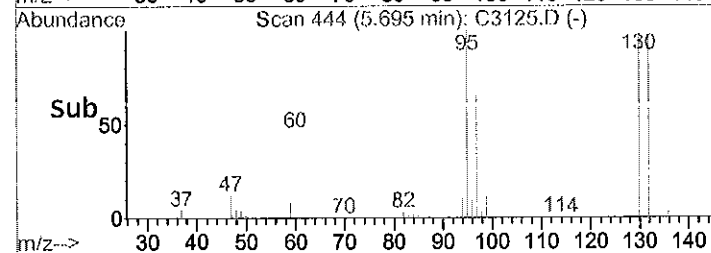
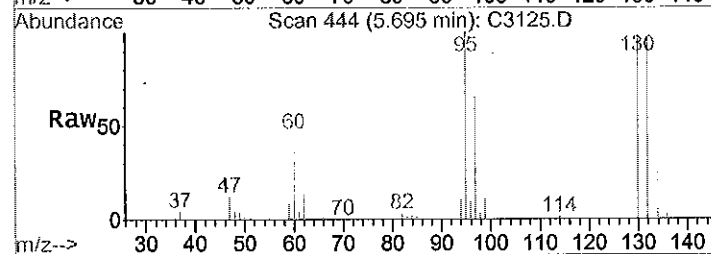
#16
Methylene chloride
Concen: 10.85 ug
RT: 1.90 min Scan# 107
Delta R.T. -0.00 min
Lab File: C3125.D
Acq: 17 Aug 2009 1:40 pm

Tgt Ion: 49 Resp: 116165
Ion Ratio Lower Upper
49 100
84 88.5 76.7 115.1



#43
Trichloroethene
Concen: 113.05 ug
RT: 5.70 min Scan# 444
Delta R.T. -0.02 min
Lab File: C3125.D
Acq: 17 Aug 2009 1:40 pm

Tgt Ion: 130 Resp: 1013731
Ion Ratio Lower Upper
130 100
95 100.7 112.9 169.3#
60 44.8 48.4 72.6#



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: AES, Inc. Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: SDG No.: EffluentMatrix (soil/water): WATER Lab Sample ID: 090813001-005ASample wt/vol: 5.0 (g/mL) ml Lab File ID: C3124.DLevel (low/med): Date Received: 8/12/09% Moisture: not dec. 100 Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 20.0Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		200	U
74-87-3	Chloromethane		200	U
75-01-4	Vinyl chloride		200	U
74-83-9	Bromomethane		200	U
75-00-3	Chloroethane		200	U
75-69-4	Trichlorofluoromethane		100	U
75-35-4	1,1-Dichloroethene		100	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		100	U
75-15-0	Carbon disulfide		100	U
67-64-1	Acetone		200	U
79-20-9	Methyl Acetate		100	U
75-09-2	Methylene Chloride		240	B
156-60-5	trans-1,2-Dichloroethene		100	U
1634-04-4	Methyl tert-butyl Ether		100	U
75-34-3	1,1-Dichloroethane		100	U
156-59-2	cis-1,2-Dichloroethene		100	U
74-97-5	Bromochloromethane		100	U
67-66-3	Chloroform		100	U
110-82-7	Cyclohexane		100	U
107-06-2	1,2-Dichloroethane		100	U
78-93-3	2-Butanone		200	U
108-87-2	Methyl Cyclohexane		100	U
71-55-6	1,1,1-Trichloroethane		100	U
56-23-5	Carbon Tetrachloride		100	U
71-43-2	Benzene		100	U
79-01-6	Trichloroethene		3400	
78-87-5	1,2-Dichloropropane		100	U
75-27-4	Bromodichloromethane		100	U
10061-01-5	cis-1,3-Dichloropropene		100	U
10061-02-6	trans-1,3-Dichloropropene		100	U
79-00-5	1,1,2-Trichloroethane		100	U
124-48-1	Dibromochloromethane		100	U
106-93-4	1,2-Dibromoethane		100	U
75-25-2	Bromoform		100	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-005A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3124.D

Level (low/med): Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 20.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		200	U
108-88-3	Toluene		100	U
127-18-4	Tetrachloroethene		100	U
591-78-6	2-Hexanone		200	U
108-90-7	Chlorobenzene		100	U
100-41-4	Ethyl Benzene		100	U
126777-61-2	m,p-Xylenes		100	U
95-47-6	o-Xylene		100	U
100-42-5	Styrene		100	U
98-82-8	Isopropylbenzene		100	U
79-34-5	1,1,2,2-Tetrachloroethane		100	U
541-73-1	1,3-Dichlorobenzene		100	U
106-46-7	1,4-Dichlorobenzene		100	U
95-50-1	1,2-Dichlorobenzene		100	U
96-12-8	1,2-Dibromo-3-Chloropropane		200	U
120-82-1	1,2,4-Trichlorobenzene		100	U

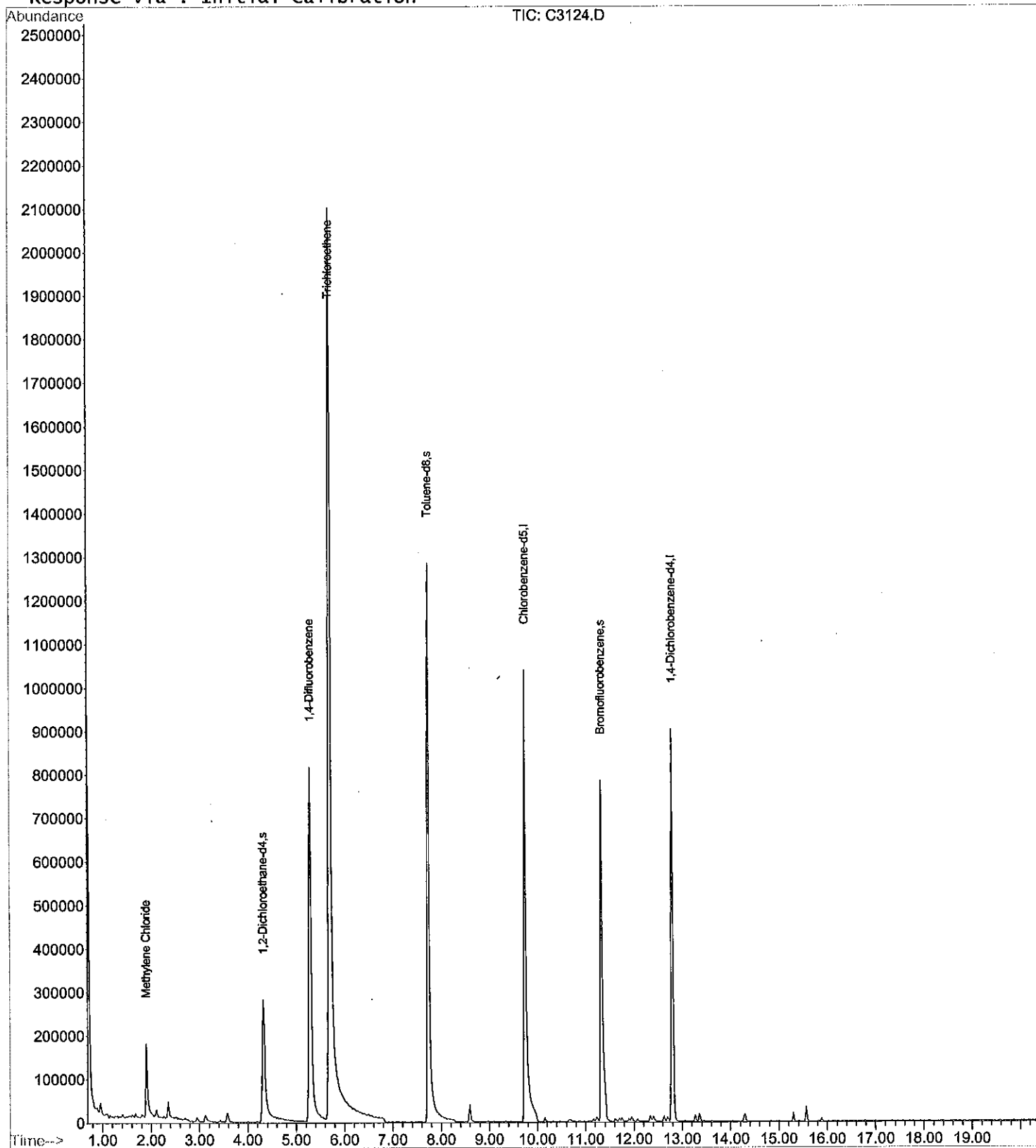
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3124.D
 Acq On : 17 Aug 2009 1:12 pm
 Sample : 090813001-005A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:47 2009

Vial: 4
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



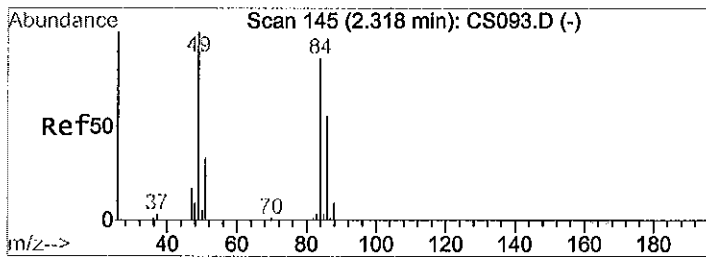
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Sample : 090813001-005A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:47 2009

Vial: 4
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

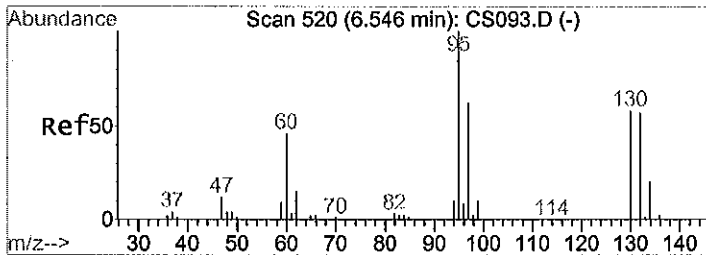
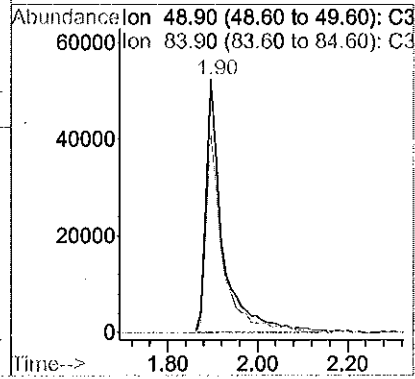
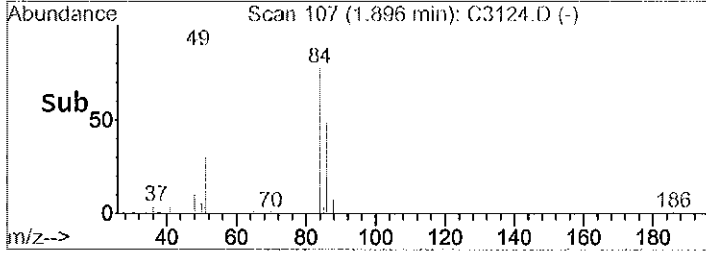
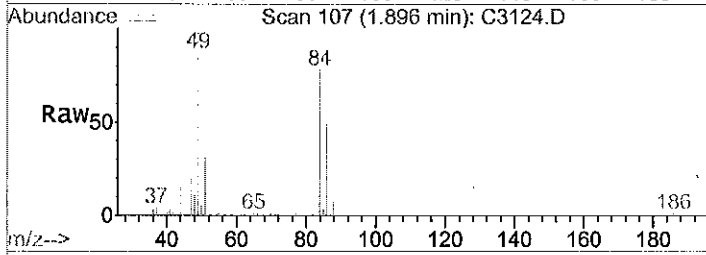
Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1405658	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	605344	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	612390	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	432829m	55.89	ug	-0.02
57) Toluene-d8	7.74	98	1461265	49.78	ug	-0.01
72) Bromofluorobenzene	11.32	95	499067	52.89	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	135034	12.23	ug	Qvalue 83
43) Trichloroethene	5.70	130	1597687	171.01	ug	# 69



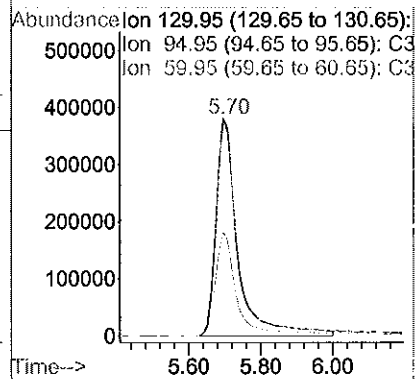
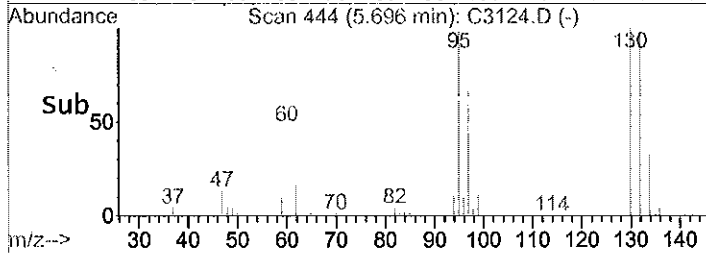
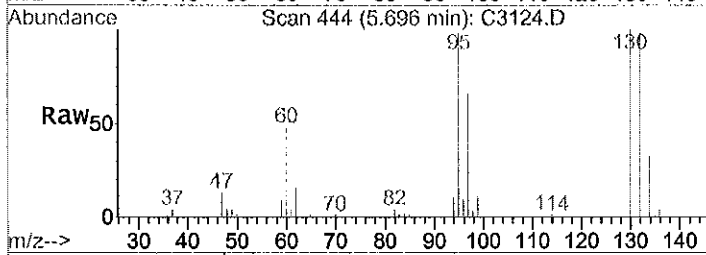
#16
Methylene Chloride
Concen: 12.23 ug
RT: 1.90 min Scan# 107
Delta R.T. -0.00 min
Lab File: C3124.D
Acq: 17 Aug 2009 1:12 pm

Tgt Ion: 49 Resp: 135034
Ion Ratio Lower Upper
49 100
84 79.2 76.7 115.1



#43
Trichloroethene
Concen: 171.01 ug
RT: 5.70 min Scan# 444
Delta R.T. -0.02 min
Lab File: C3124.D
Acq: 17 Aug 2009 1:12 pm

Tgt Ion: 130 Resp: 1597687
Ion Ratio Lower Upper
130 100
95 96.8 112.9 169.3#
60 46.8 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-011A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3121.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-011A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3121.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

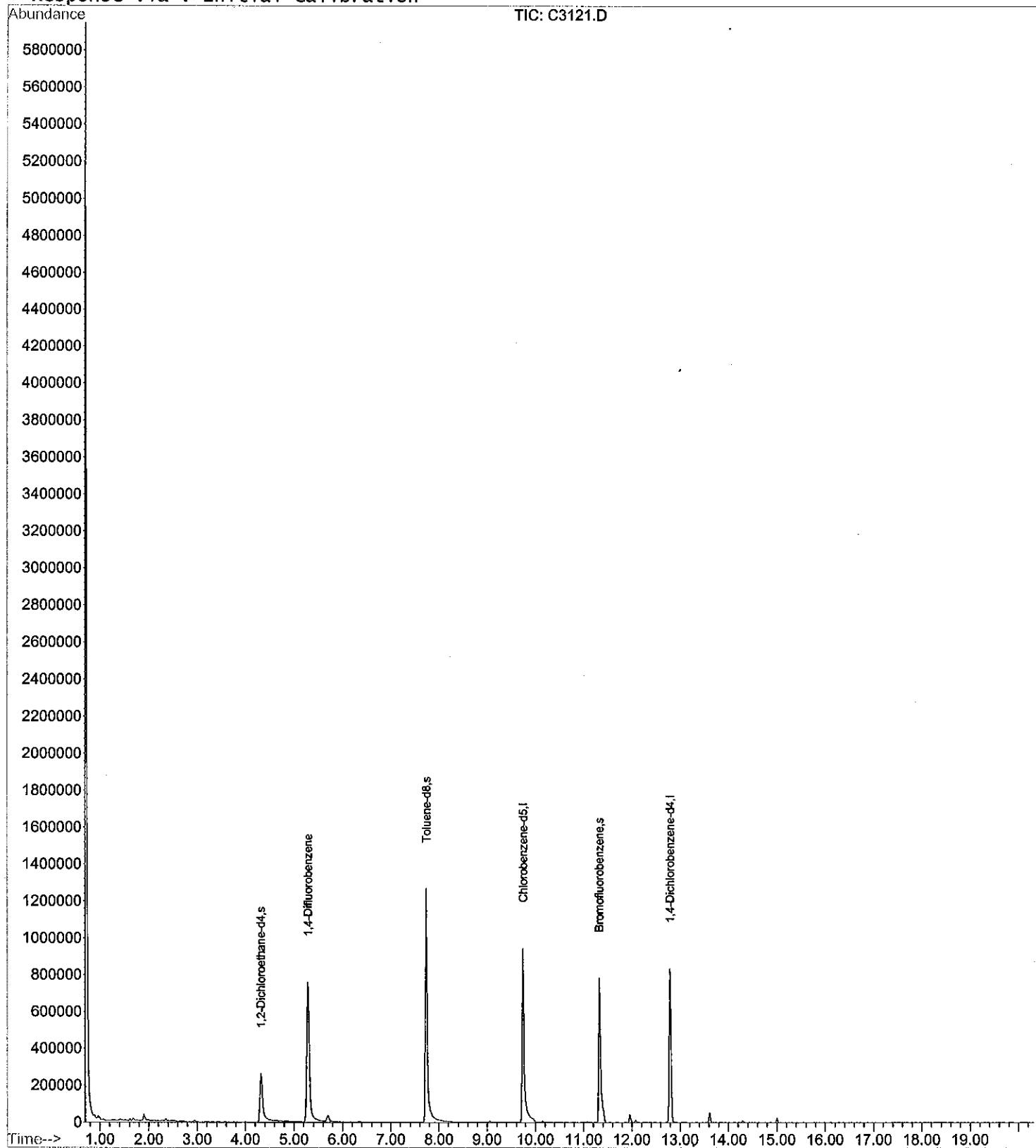
CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\C3121.D Vial: 25
 Acq On : 14 Aug 2009 9:05 pm Operator:
 Sample : 090813001-011A Inst : GCMS-C
 Misc : SAMP EPA_8260_WATER Multiplr: 1.00
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 13:05 2009 Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\C3121.D

Vial: 25

Acq On : 14 Aug 2009 9:05 pm

Operator:

Sample : 090813001-011A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 13:05 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1323199	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	559434	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	549728	50.00	ug	-0.02

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.32	65	415064m	56.93	ug	-0.02
57) Toluene-d8	7.74	98	1413248	52.09	ug	-0.01
72) Bromofluorobenzene	11.32	95	468330	55.29	ug	-0.02

Target Compounds

Qvalue

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813001-007A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3126.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 10.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		100	U
74-87-3	Chloromethane		100	U
75-01-4	Vinyl chloride		100	U
74-83-9	Bromomethane		100	U
75-00-3	Chloroethane		100	U
75-69-4	Trichlorofluoromethane		50	U
75-35-4	1,1-Dichloroethene		50	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		50	U
75-15-0	Carbon disulfide		50	U
67-64-1	Acetone		100	U
79-20-9	Methyl Acetate		50	U
75-09-2	Methylene Chloride		73	B
156-60-5	trans-1,2-Dichloroethene		50	U
1634-04-4	Methyl tert-butyl Ether		50	U
75-34-3	1,1-Dichloroethane		50	U
156-59-2	cis-1,2-Dichloroethene		66	
74-97-5	Bromochloromethane		50	U
67-66-3	Chloroform		50	U
110-82-7	Cyclohexane		50	U
107-06-2	1,2-Dichloroethane		50	U
78-93-3	2-Butanone		100	U
108-87-2	Methyl Cyclohexane		50	U
71-55-6	1,1,1-Trichloroethane		50	U
56-23-5	Carbon Tetrachloride		50	U
71-43-2	Benzene		50	U
79-01-6	Trichloroethene		1000	
78-87-5	1,2-Dichloropropane		50	U
75-27-4	Bromodichloromethane		50	U
10061-01-5	cis-1,3-Dichloropropene		50	U
10061-02-6	trans-1,3-Dichloropropene		50	U
79-00-5	1,1,2-Trichloroethane		50	U
124-48-1	Dibromochloromethane		50	U
106-93-4	1,2-Dibromoethane		50	U
75-25-2	Bromoform		50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904

SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813001-007A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3126.D

Level (low/med):

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 10.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		100	U
108-88-3	Toluene		50	U
127-18-4	Tetrachloroethene		50	U
591-78-6	2-Hexanone		100	U
108-90-7	Chlorobenzene		50	U
100-41-4	Ethyl Benzene		50	U
126777-61-2	m,p-Xylenes		50	U
95-47-6	o-Xylene		50	U
100-42-5	Styrene		50	U
98-82-8	Isopropylbenzene		50	U
79-34-5	1,1,2,2-Tetrachloroethane		50	U
541-73-1	1,3-Dichlorobenzene		50	U
106-46-7	1,4-Dichlorobenzene		50	U
95-50-1	1,2-Dichlorobenzene		50	U
96-12-8	1,2-Dibromo-3-Chloropropane		100	U
120-82-1	1,2,4-Trichlorobenzene		50	U

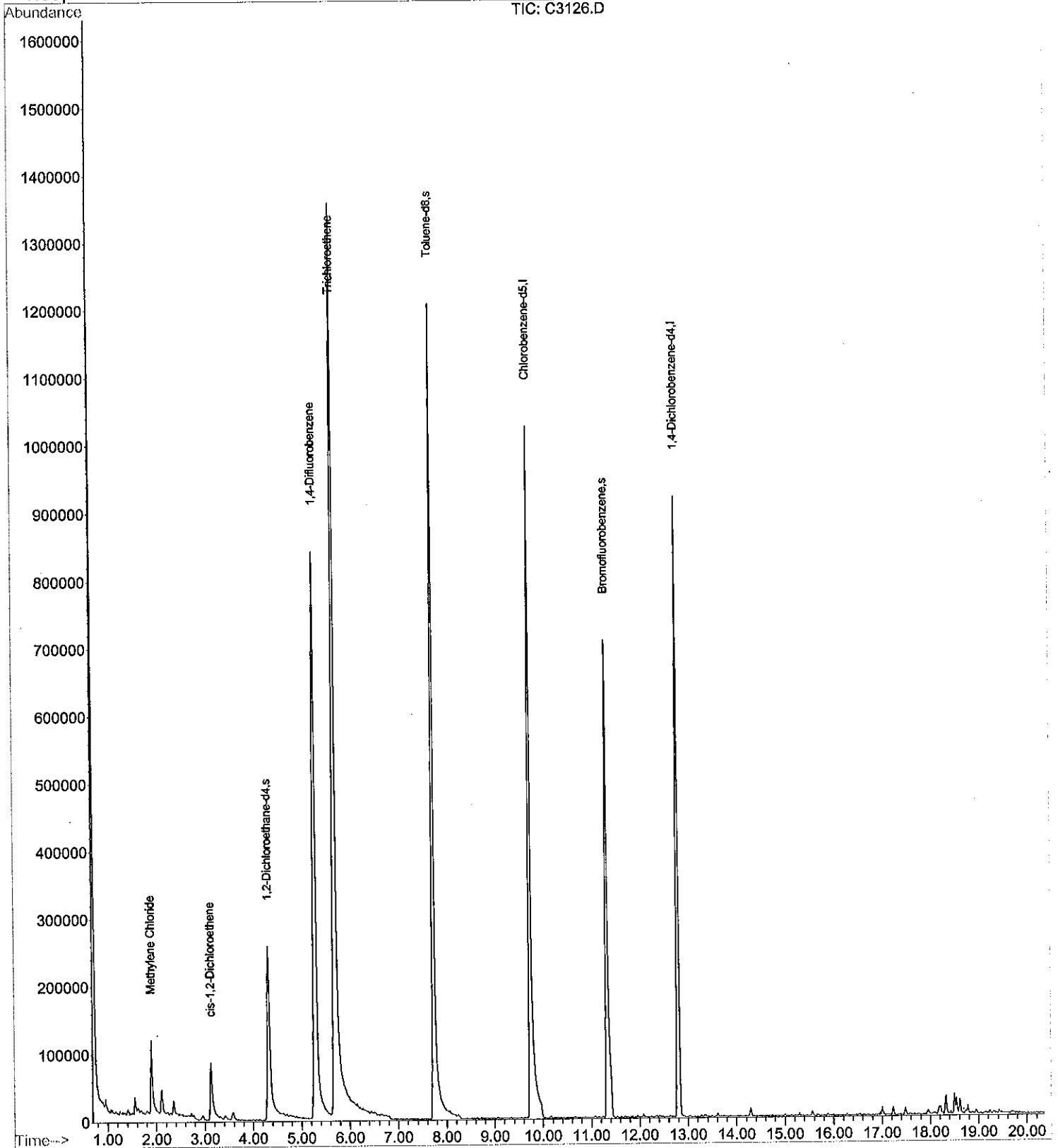
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3126.D
 Acq On : 17 Aug 2009 2:08 pm
 Sample : 090813001-007A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:49 2009

Vial: 6
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



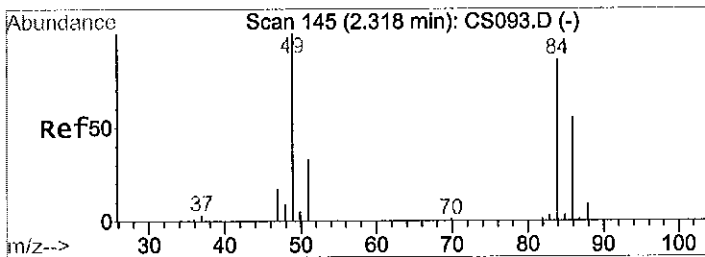
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Acq On : 17 Aug 2009 2:08 pm
Sample : 090813001-007A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:49 2009

Vial: 6
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

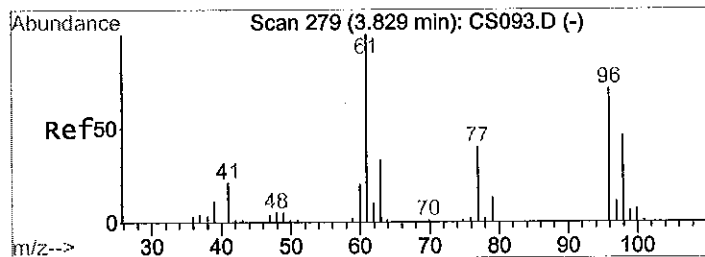
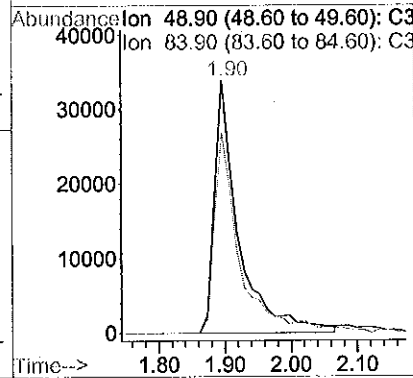
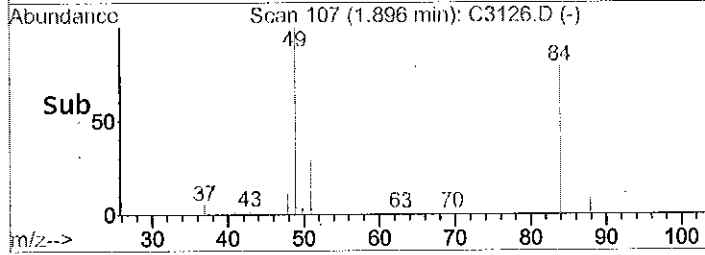
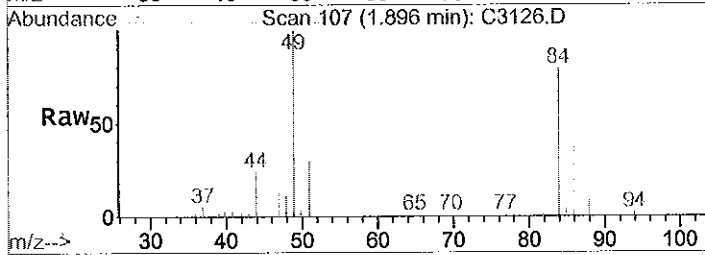
Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1504018	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	619984	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	610772	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	437823	52.83	ug	-0.02
57) Toluene-d8	7.74	98	1352111	44.97	ug	-0.01
72) Bromofluorobenzene	11.32	95	467388	49.66	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	85976	7.28	ug	Qvalue 88
24) cis-1,2-Dichloroethene	3.13	61	102264	6.65	ug	# 78
43) Trichloroethene	5.70	130	959039	100.23	ug	# 76



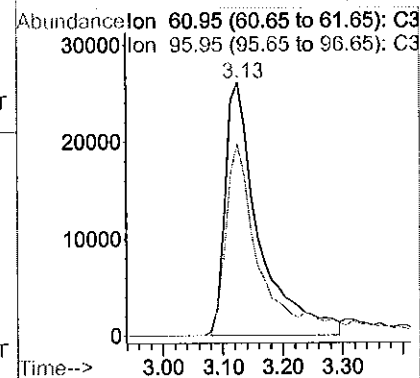
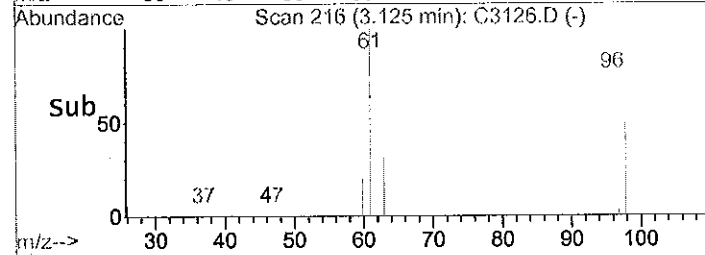
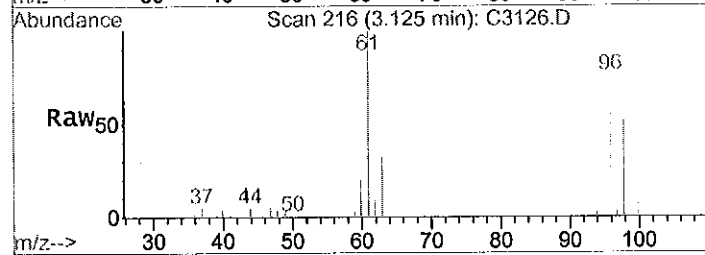
#16
Methylene Chloride
Concen: 7.28 ug
RT: 1.90 min Scan# 107
Delta R.T. -0.00 min
Lab File: C3126.D
Acq: 17 Aug 2009 2:08 pm

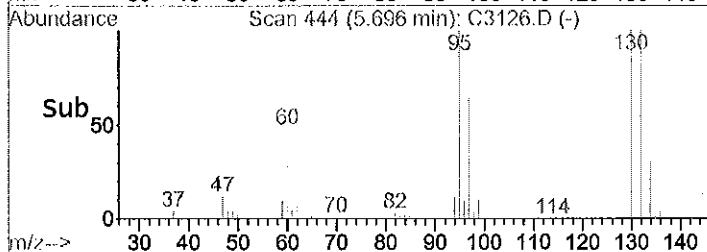
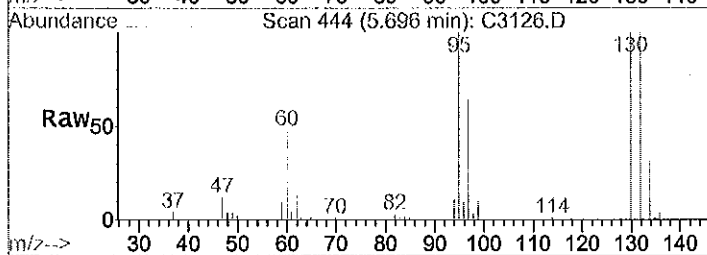
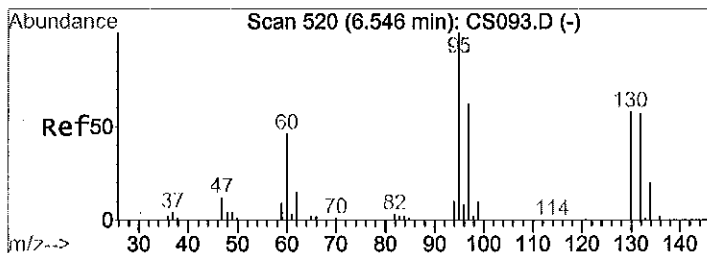
Tgt Ion: 49 Resp: 85976
Ion Ratio Lower Upper
49 100
84 83.8 76.7 115.1



#24
cis-1,2-Dichloroethene
Concen: 6.65 ug
RT: 3.13 min Scan# 216
Delta R.T. -0.01 min
Lab File: C3126.D
Acq: 17 Aug 2009 2:08 pm

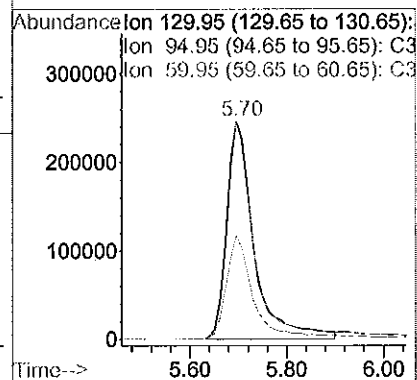
Tgt Ion: 61 Resp: 102264
Ion Ratio Lower Upper
61 100
96 67.6 70.7 106.1#





#43
 Trichloroethene
 Concen: 100.23 ug
 RT: 5.70 min Scan# 444
 Delta R.T. -0.02 min
 Lab File: C3126.D
 Acq: 17 Aug 2009 2:08 pm

Tgt Ion	Ratio	Resp	Lower	Upper
130	100			
95	107.7	112.9	169.3#	
60	47.9	48.4	72.6#	



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-16

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090813001-008ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3127.D

Level (low/med): _____

Date Received: 8/12/09% Moisture: not dec. 100Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.2	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-16

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090813001-008ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3127.D

Level (low/med): _____

Date Received: 8/12/09% Moisture: not dec. 100Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

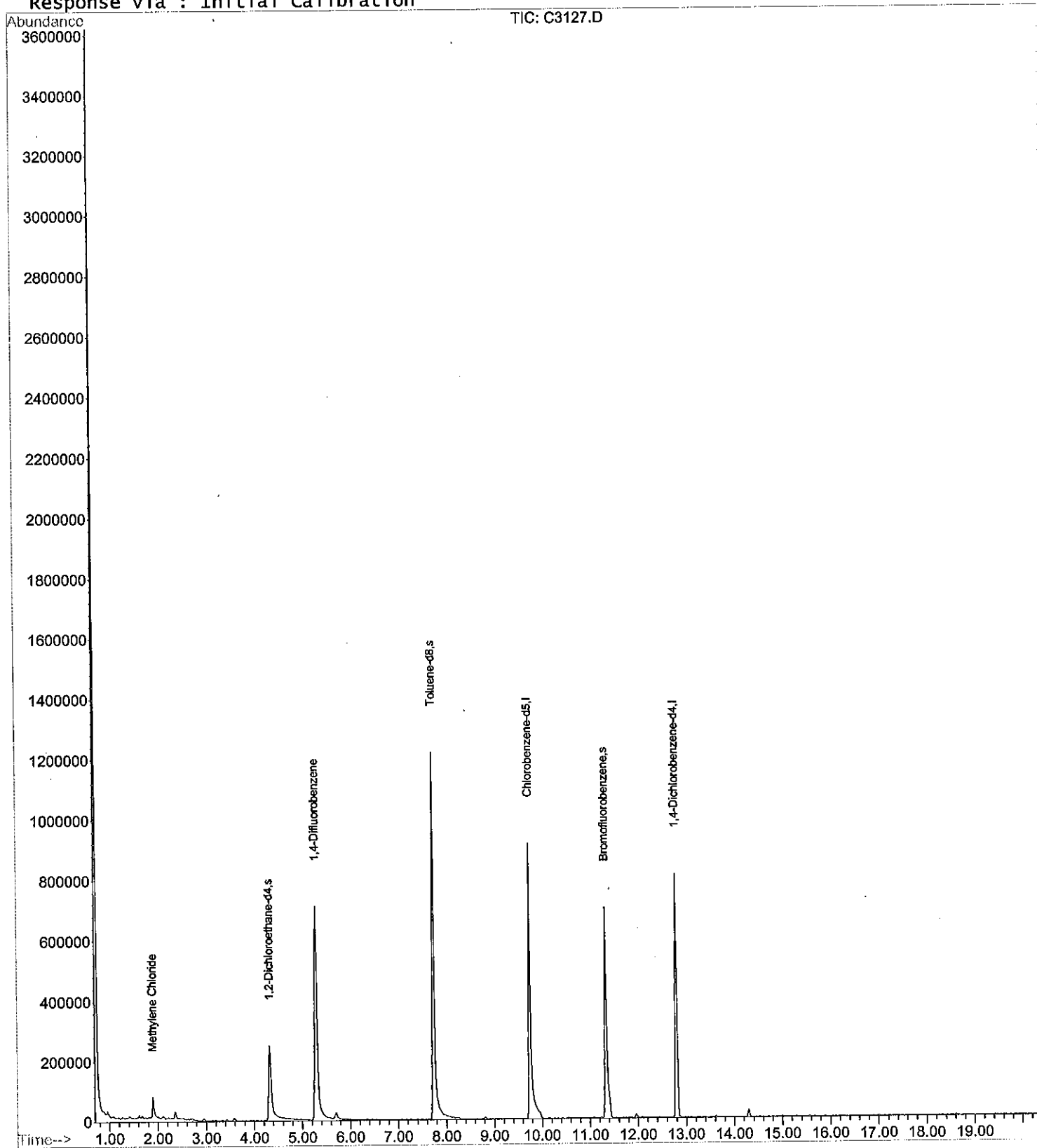
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3127.D
 Acq On : 17 Aug 2009 2:37 pm
 Sample : 090813001-008A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:50 2009

Vial: 7
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



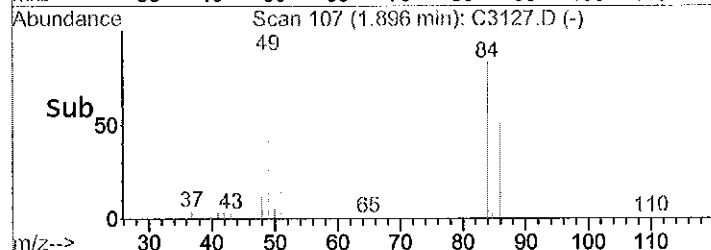
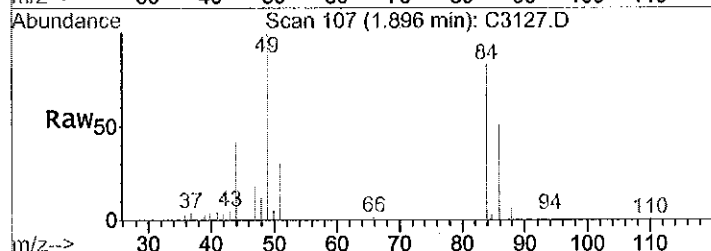
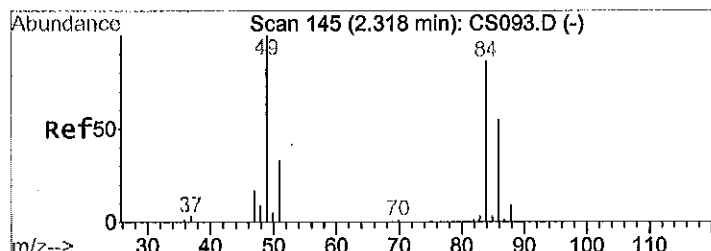
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Acq On : 17 Aug 2009 2:37 pm
Sample : 090813001-008A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:50 2009

Vial: 7
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

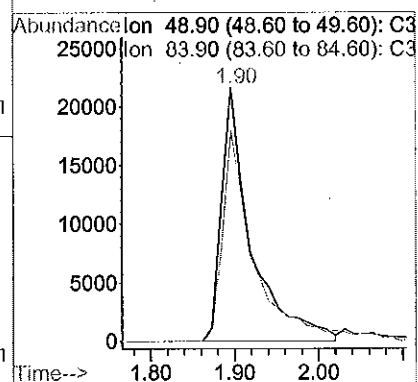
Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1283224	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	536196	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	549508	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	388055m	54.89	ug	-0.02
57) Toluene-d8	7.74	98	1354166	52.08	ug	-0.01
72) Bromofluorobenzene	11.32	95	458678	54.17	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	52455	5.21	ug	Qvalue 95



#16
Methylene Chloride
Concen: 5.21 ug
RT: 1.90 min Scan# 107
Delta R.T. -0.00 min
Lab File: C3127.D
Acq: 17 Aug 2009 2:37 pm

Tgt Ion: 49 Resp: 52455
Ion Ratio Lower Upper
49 100
84 90.8 76.7 115.1



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-17

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-010A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3129.D

Level (low/med): Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 5.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	50	U	
74-87-3	Chloromethane	50	U	
75-01-4	Vinyl chloride	50	U	
74-83-9	Bromomethane	50	U	
75-00-3	Chloroethane	50	U	
75-69-4	Trichlorofluoromethane	25	U	
75-35-4	1,1-Dichloroethene	25	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	25	U	
75-15-0	Carbon disulfide	25	U	
67-64-1	Acetone	50	U	
79-20-9	Methyl Acetate	25	U	
75-09-2	Methylene Chloride	30	B	
156-60-5	trans-1,2-Dichloroethene	25	U	
1634-04-4	Methyl tert-butyl Ether	25	U	
75-34-3	1,1-Dichloroethane	25	U	
156-59-2	cis-1,2-Dichloroethene	48		
74-97-5	Bromochloromethane	25	U	
67-66-3	Chloroform	25	U	
110-82-7	Cyclohexane	25	U	
107-06-2	1,2-Dichloroethane	25	U	
78-93-3	2-Butanone	50	U	
108-87-2	Methyl Cyclohexane	25	U	
71-55-6	1,1,1-Trichloroethane	25	U	
56-23-5	Carbon Tetrachloride	25	U	
71-43-2	Benzene	25	U	
79-01-6	Trichloroethene	600		
78-87-5	1,2-Dichloropropane	25	U	
75-27-4	Bromodichloromethane	25	U	
10061-01-5	cis-1,3-Dichloropropene	25	U	
10061-02-6	trans-1,3-Dichloropropene	25	U	
79-00-5	1,1,2-Trichloroethane	25	U	
124-48-1	Dibromochloromethane	25	U	
106-93-4	1,2-Dibromoethane	25	U	
75-25-2	Bromoform	25	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-17

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090813001-010ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3129.DLevel (low/med): Date Received: 8/12/09% Moisture: not dec. 100Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm)Dilution Factor: 5.0Soil Extract Volume: (uL)Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		50	U
108-88-3	Toluene		25	U
127-18-4	Tetrachloroethene		25	U
591-78-6	2-Hexanone		50	U
108-90-7	Chlorobenzene		25	U
100-41-4	Ethyl Benzene		25	U
126777-61-2	m,p-Xylenes		25	U
95-47-6	o-Xylene		25	U
100-42-5	Styrene		25	U
98-82-8	Isopropylbenzene		25	U
79-34-5	1,1,2,2-Tetrachloroethane		25	U
541-73-1	1,3-Dichlorobenzene		25	U
106-46-7	1,4-Dichlorobenzene		25	U
95-50-1	1,2-Dichlorobenzene		25	U
96-12-8	1,2-Dibromo-3-Chloropropane		50	U
120-82-1	1,2,4-Trichlorobenzene		25	U

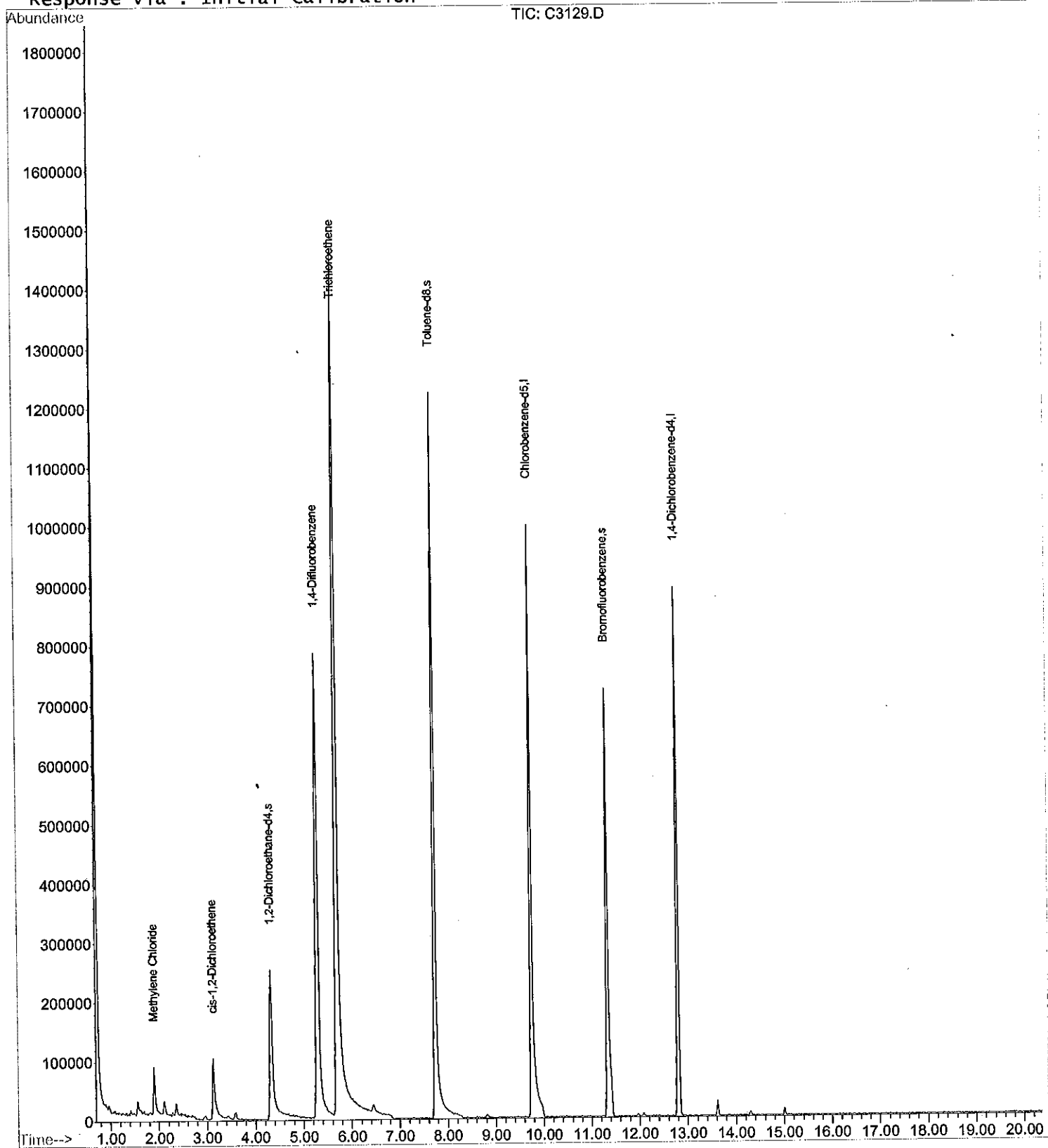
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3129.D
 Acq On : 17 Aug 2009 3:34 pm
 Sample : 090813001-010A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:51 2009

Vial: 9
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



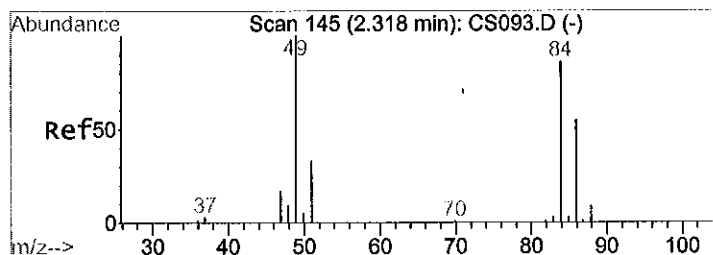
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Acq On : 17 Aug 2009 3:34 pm
Sample : 090813001-010A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:51 2009

Vial: 9
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

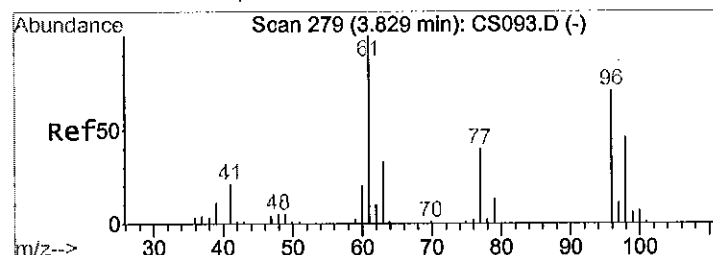
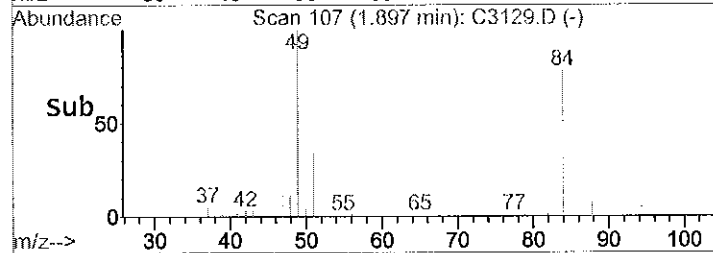
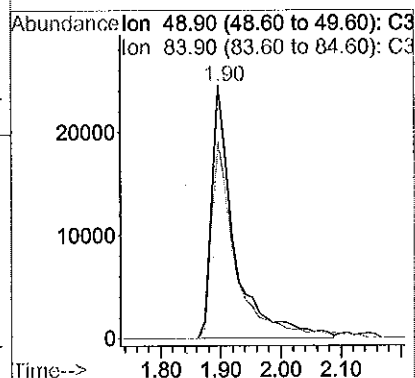
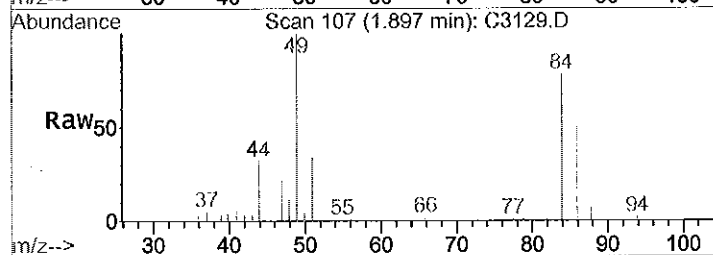
Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1375466	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	581309	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	591606	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	430779	56.84	ug	-0.02
57) Toluene-d8	7.74	98	1402619	49.76	ug	-0.01
72) Bromofluorobenzene	11.32	95	465462	51.06	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	64155	5.94	ug	Qvalue 87
24) cis-1,2-Dichloroethene	3.13	61	134621	9.57	ug	84
43) Trichloroethene	5.70	130	1070456	119.32	ug	# 73



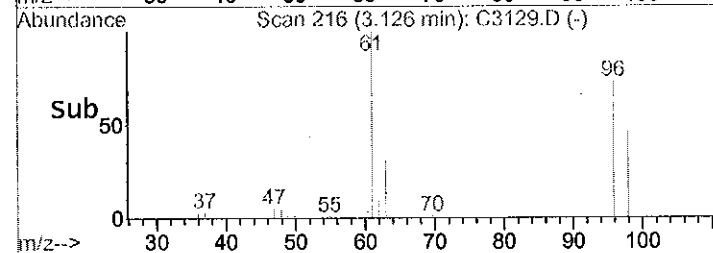
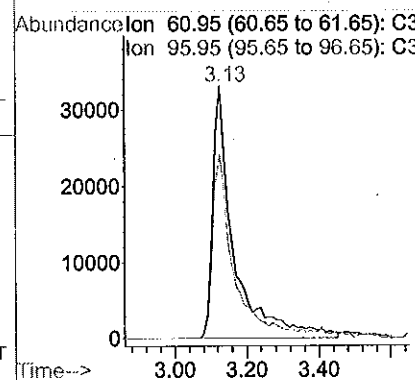
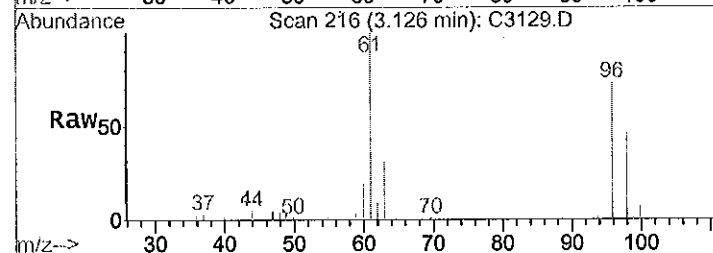
#16
Methylene Chloride
Concen: 5.94 ug
RT: 1.90 min Scan# 107
Delta R.T. 0.00 min
Lab File: C3129.D
Acq: 17 Aug 2009 3:34 pm

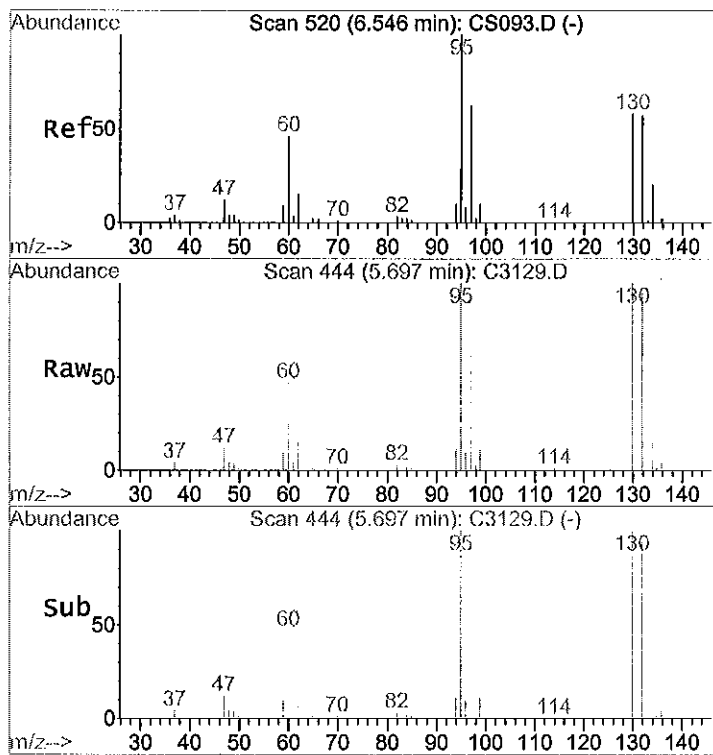
Tgt Ion: 49 Resp: 64155
Ion Ratio Lower Upper
49 100
84 83.5 76.7 115.1



#24
cis-1,2-Dichloroethene
Concen: 9.57 ug
RT: 3.13 min Scan# 216
Delta R.T. -0.01 min
Lab File: C3129.D
Acq: 17 Aug 2009 3:34 pm

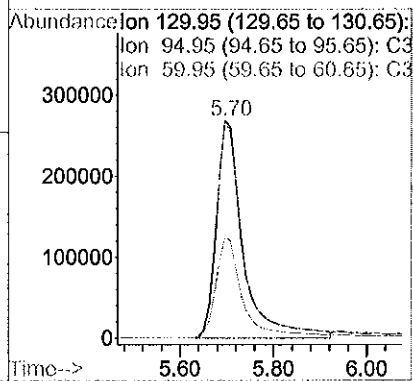
Tgt Ion: 61 Resp: 134621
Ion Ratio Lower Upper
61 100
96 73.7 70.7 106.1





#43
 Trichloroethene
 Concen: 119.32 ug
 RT: 5.70 min Scan# 444
 Delta R.T. -0.02 min
 Lab File: C3129.D
 Acq: 17 Aug 2009 3:34 pm

Tgt Ion:130 Resp: 1070456
 Ion Ratio Lower Upper
 130 100
 95 102.8 112.9 169.3#
 60 46.6 48.4 72.6#



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP 1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-009A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3128.D

Level (low/med): Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 5.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		50	U
74-87-3	Chloromethane		50	U
75-01-4	Vinyl chloride		50	U
74-83-9	Bromomethane		50	U
75-00-3	Chloroethane		50	U
75-69-4	Trichlorofluoromethane		25	U
75-35-4	1,1-Dichloroethene		25	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		25	U
75-15-0	Carbon disulfide		25	U
67-64-1	Acetone		50	U
79-20-9	Methyl Acetate		25	U
75-09-2	Methylene Chloride		28	B
156-60-5	trans-1,2-Dichloroethene		25	U
1634-04-4	Methyl tert-butyl Ether		25	U
75-34-3	1,1-Dichloroethane		25	U
156-59-2	cis-1,2-Dichloroethene		32	
74-97-5	Bromochloromethane		25	U
67-66-3	Chloroform		25	U
110-82-7	Cyclohexane		25	U
107-06-2	1,2-Dichloroethane		25	U
78-93-3	2-Butanone		50	U
108-87-2	Methyl Cyclohexane		25	U
71-55-6	1,1,1-Trichloroethane		25	U
56-23-5	Carbon Tetrachloride		25	U
71-43-2	Benzene		25	U
79-01-6	Trichloroethene		490	
78-87-5	1,2-Dichloropropane		25	U
75-27-4	Bromodichloromethane		25	U
10061-01-5	cis-1,3-Dichloropropene		25	U
10061-02-6	trans-1,3-Dichloropropene		25	U
79-00-5	1,1,2-Trichloroethane		25	U
124-48-1	Dibromochloromethane		25	U
106-93-4	1,2-Dibromoethane		25	U
75-25-2	Bromoform		25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP 1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-009A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3128.D

Level (low/med): Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 5.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		50	U
108-88-3	Toluene		25	U
127-18-4	Tetrachloroethene		25	U
591-78-6	2-Hexanone		50	U
108-90-7	Chlorobenzene		25	U
100-41-4	Ethyl Benzene		25	U
126777-61-2	m,p-Xylenes		25	U
95-47-6	o-Xylene		25	U
100-42-5	Styrene		25	U
98-82-8	Isopropylbenzene		25	U
79-34-5	1,1,2,2-Tetrachloroethane		25	U
541-73-1	1,3-Dichlorobenzene		25	U
106-46-7	1,4-Dichlorobenzene		25	U
95-50-1	1,2-Dichlorobenzene		25	U
96-12-8	1,2-Dibromo-3-Chloropropane		50	U
120-82-1	1,2,4-Trichlorobenzene		25	U

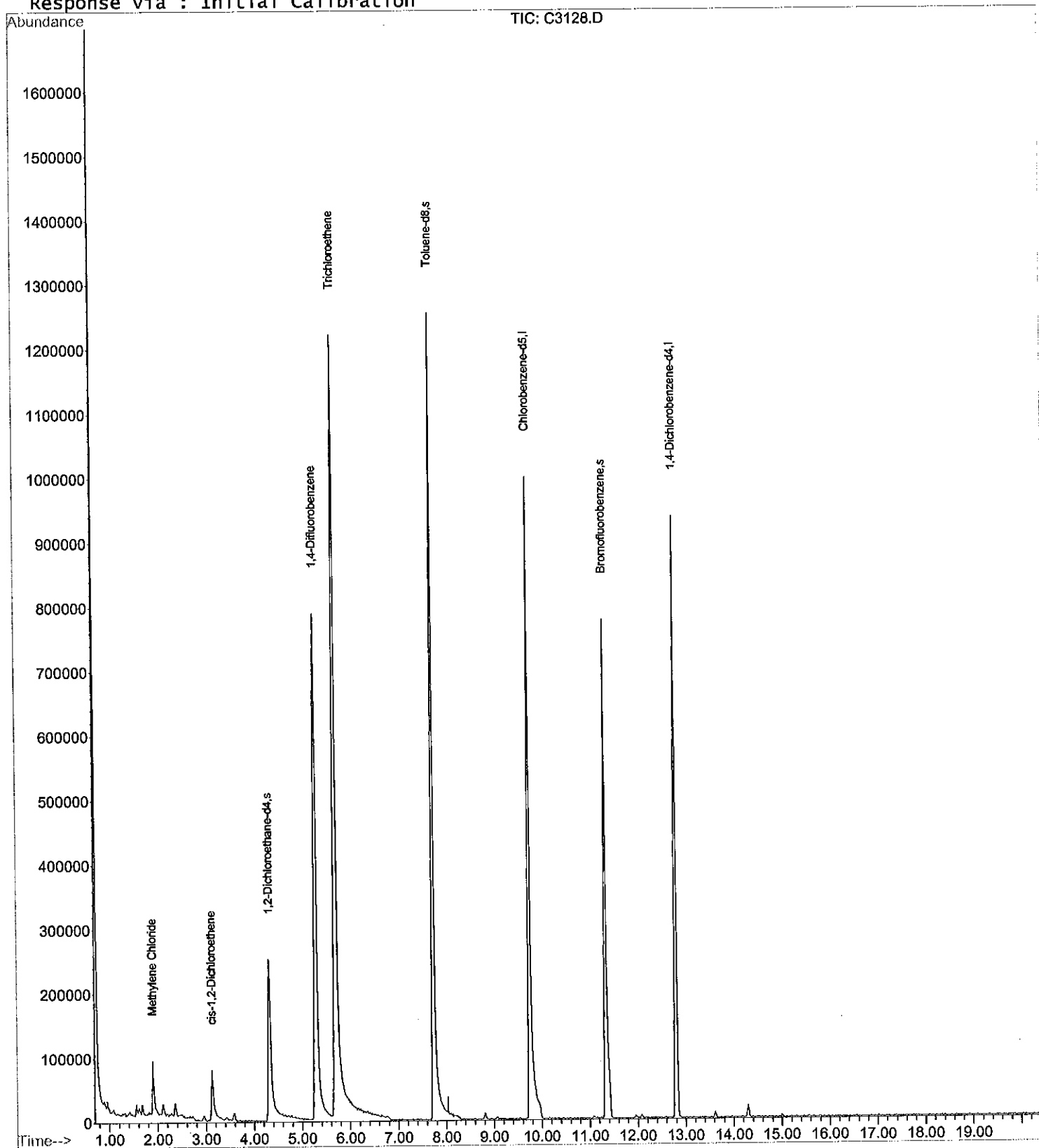
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3128.D
 Acq On : 17 Aug 2009 3:05 pm
 Sample : 090813001-009A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:50 2009

Vial: 8
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



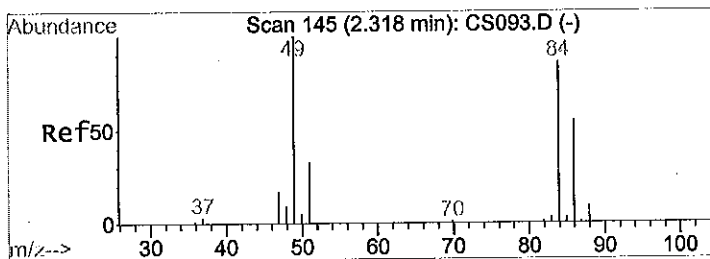
Data File : C:\HPCHEM\1\DATA\090817\C3128.D
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 Sample : 090813001-009A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:50 2009

Vial: 8
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

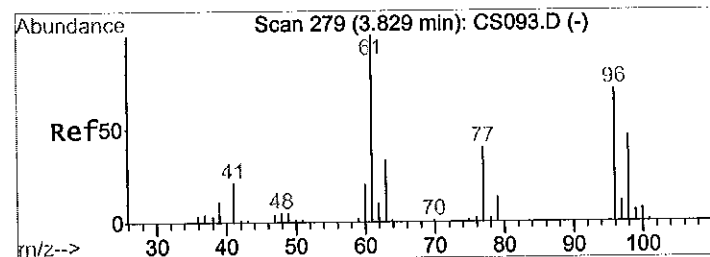
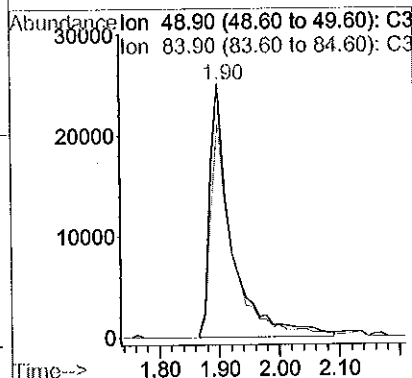
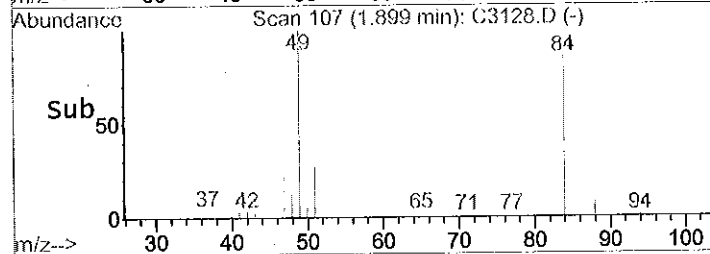
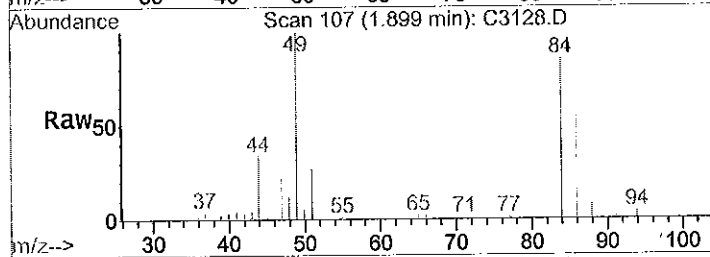
Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Wed Aug 12 11:23:26 2009
 Response via : Initial Calibration
 DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1416839	50.00	ug	-0.02
36) Chlorobenzene-d5	9.75	82	591173	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.79	150	601796	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	442938	56.74	ug	-0.02
57) Toluene-d8	7.74	98	1393191	48.60	ug	0.00
72) Bromofluorobenzene	11.33	95	470955	50.79	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	63096	5.67	ug	Qvalue 90
24) cis-1,2-Dichloroethene	3.13	61	91327	6.30	ug	85
43) Trichloroethene	5.70	130	893086	97.88	ug	# 73



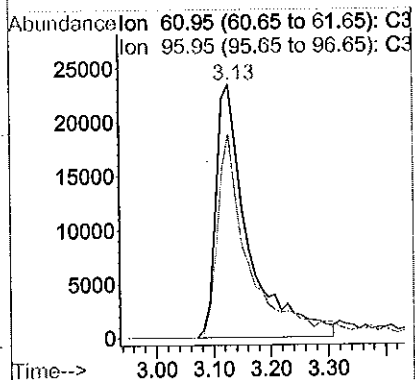
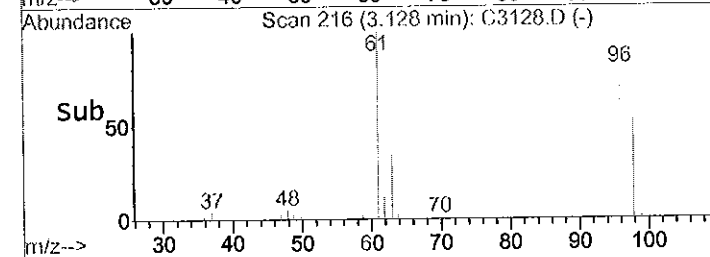
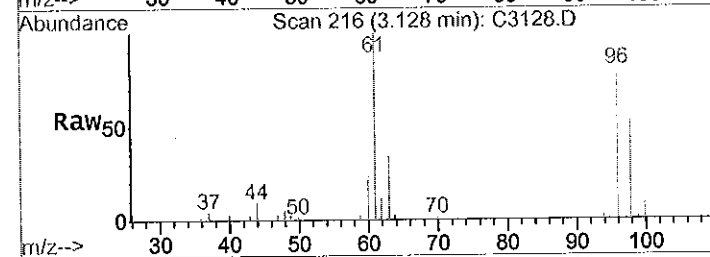
#16
Methylene Chloride
Concen: 5.67 ug
RT: 1.90 min Scan# 107
Delta R.T. 0.00 min
Lab File: C3128.D
Acq: 17 Aug 2009 3:05 pm

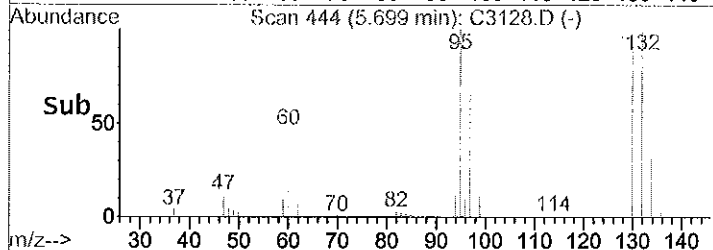
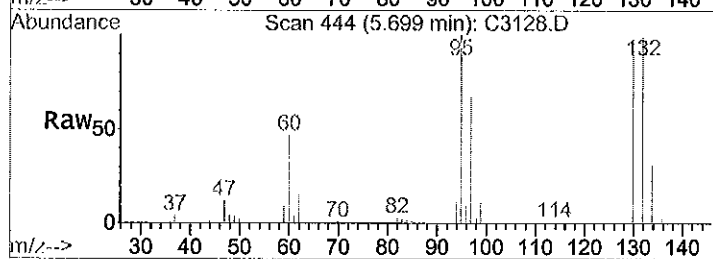
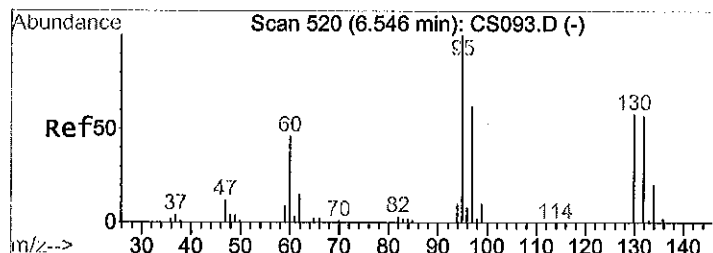
Tgt Ion: 49 Resp: 63096
Ion Ratio Lower Upper
49 100
84 86.0 76.7 115.1



#24
cis-1,2-Dichloroethene
Concen: 6.30 ug
RT: 3.13 min Scan# 216
Delta R.T. -0.01 min
Lab File: C3128.D
Acq: 17 Aug 2009 3:05 pm

Tgt Ion: 61 Resp: 91327
Ion Ratio Lower Upper
61 100
96 74.2 70.7 106.1





#43

Trichloroethene

Concen: 97.88 ug

RT: 5.70 min Scan# 444

Delta R.T. -0.02 min

Lab File: C3128.D

Acq: 17 Aug 2009 3:05 pm

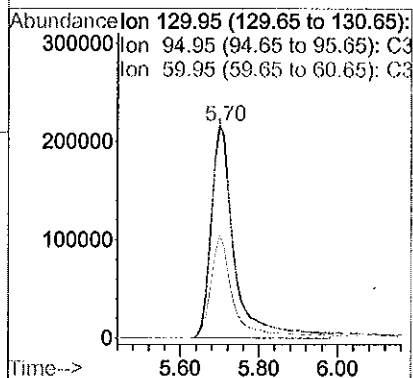
Tgt Ion:130 Resp: 893086

Ion Ratio Lower Upper

130 100

95 104.1 112.9 169.3#

60 45.9 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090812001-005A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3100.D

Level (low/med): _____ Date Received: 8/11/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090812001-005ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3100.D

Level (low/med): _____

Date Received: 8/11/09% Moisture: not dec. 100Date Analyzed: 8/14/09GC Column: DB624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

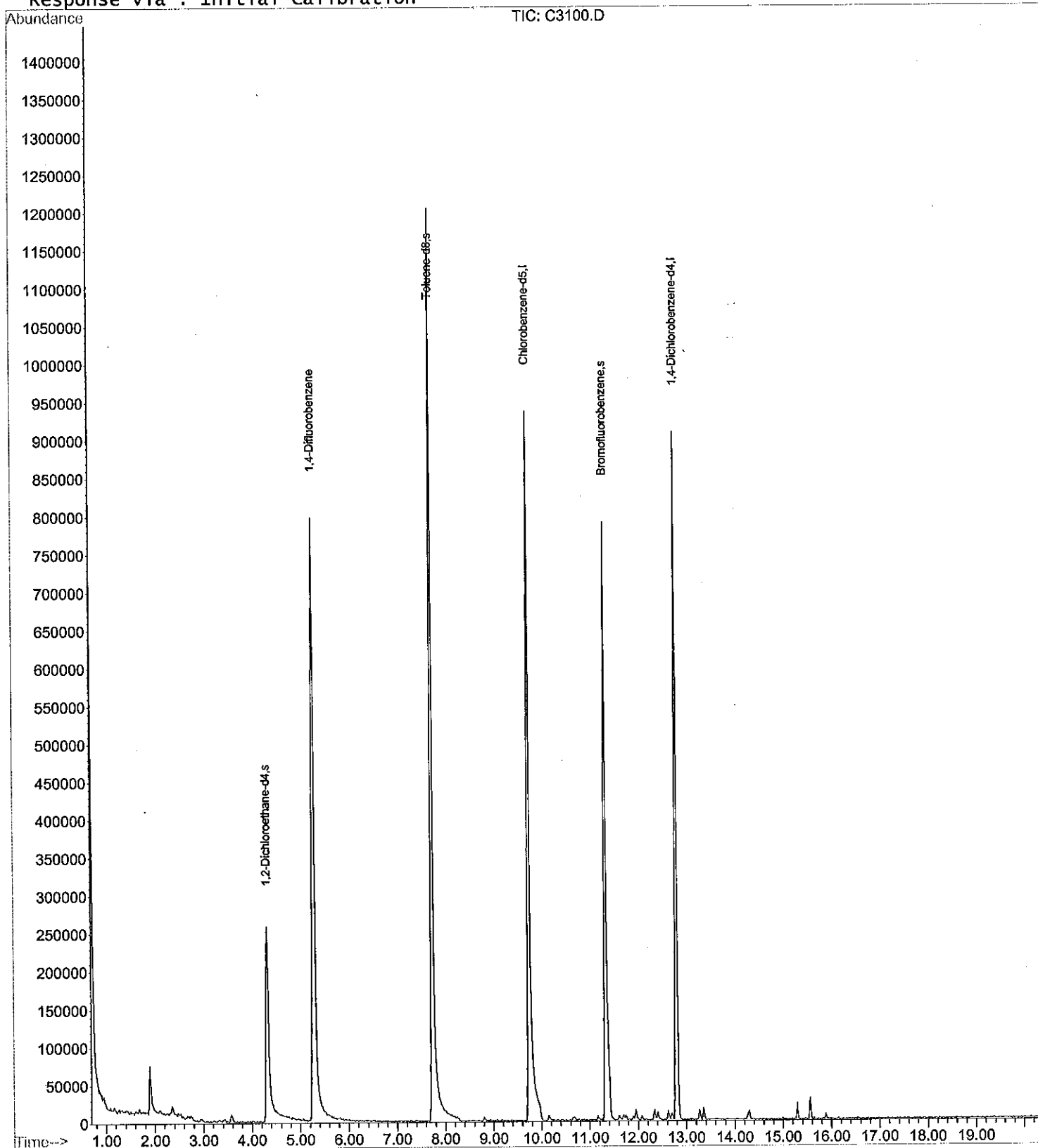
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\C3100.D
 Acq On : 14 Aug 2009 11:11 am
 Sample : 090812001-005A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 12:58 2009

Vial: 4
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\C3100.D

Vial: 4

Acq On : 14 Aug 2009 11:11 am

Operator:

Sample : 090812001-005A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 12:58 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.28	114	1414445	50.00	ug	-0.03
36) Chlorobenzene-d5	9.73	82	593984	50.00	ug	-0.02
69) 1,4-Dichlorobenzene-d4	12.79	150	599947	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.31	65	433170	55.58	ug	-0.03
57) Toluene-d8	7.73	98	1423880	49.43	ug	-0.02
72) Bromofluorobenzene	11.32	95	477029	51.60	ug	-0.02

Target Compounds

qvalue

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813001-016A

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: C3133.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.6	B
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Trip Blank

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATERLab Sample ID: 090813001-016ASample wt/vol: 5.0 (g/mL) mlLab File ID: C3133.D

Level (low/med): _____

Date Received: 8/12/09% Moisture: not dec. 100Date Analyzed: 8/17/09GC Column: DB624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

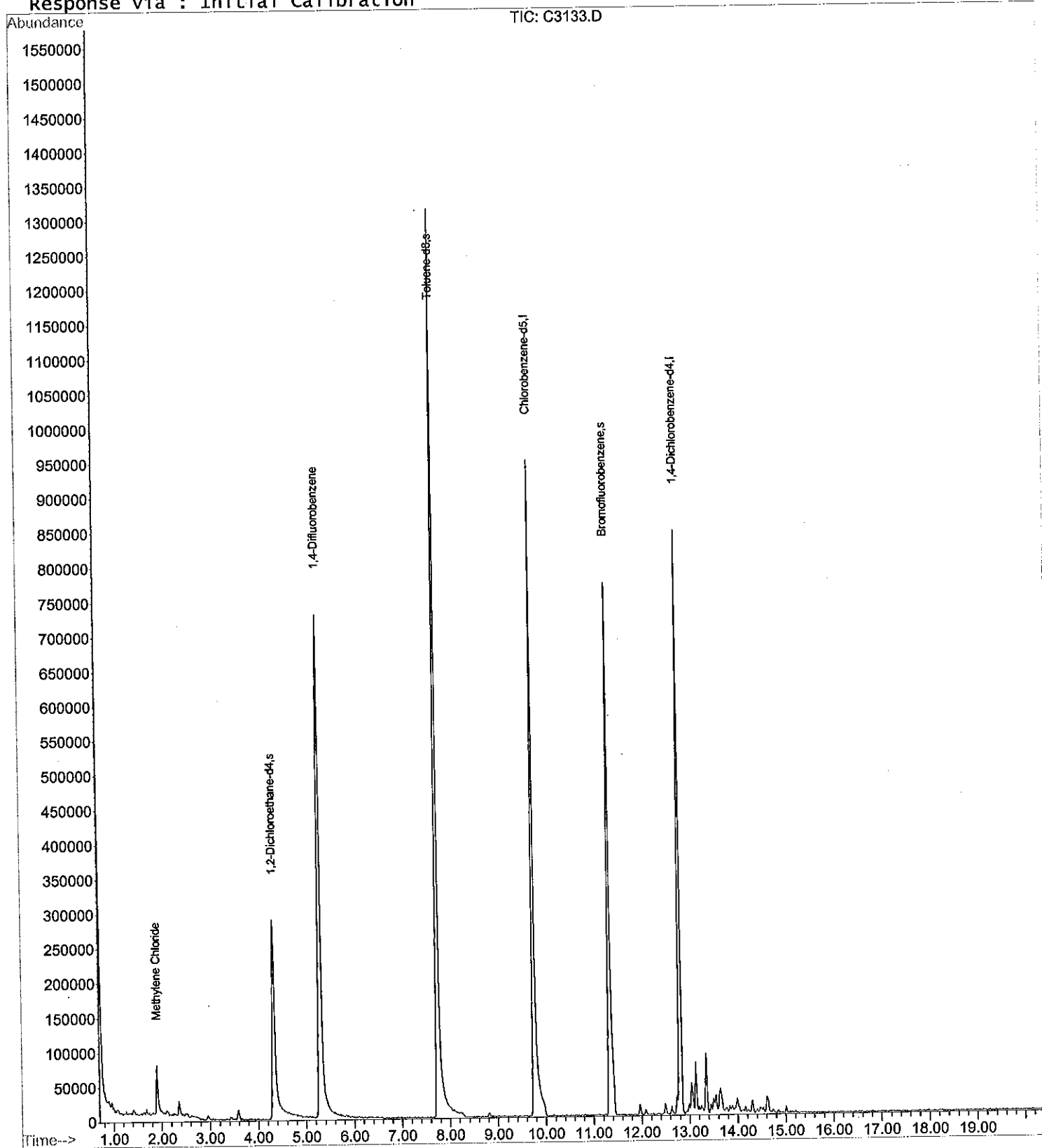
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3133.D
 Acq On : 17 Aug 2009 5:27 pm
 Sample : 090813001-016A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:52 2009

Vial: 13
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



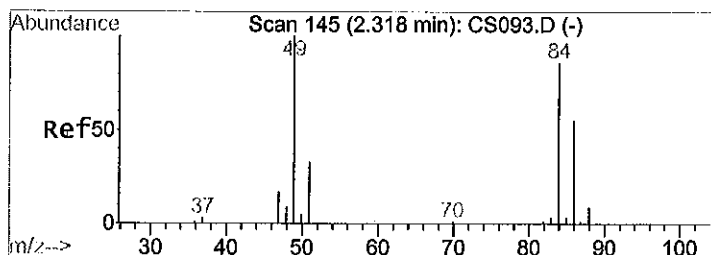
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Acq On : 17 Aug 2009 5:27 pm
Sample : 090813001-016A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:52 2009

Vial: 13
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

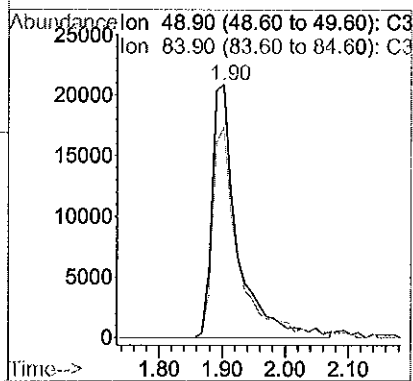
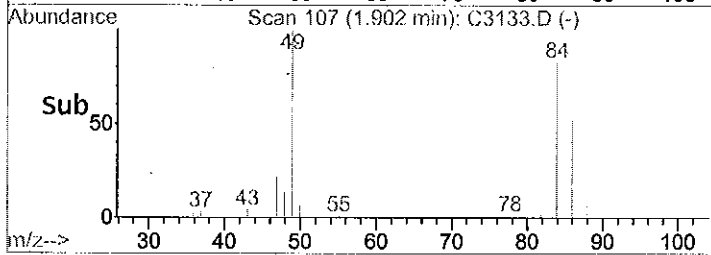
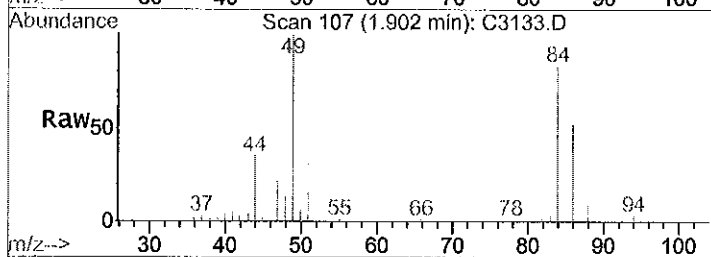
Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1315531	50.00	ug	-0.02
36) Chlorobenzene-d5	9.75	82	560038	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.79	150	564519	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.33	65	407483m	56.22	ug	-0.02
57) Toluene-d8	7.74	98	1479121	54.46	ug	0.00
72) Bromofluorobenzene	11.33	95	494640	56.86	ug	-0.02
Target Compounds						Qvalue
16) Methylene Chloride	1.90	49	58228	5.64	ug	89



#16
Methylene Chloride
Concen: 5.64 ug
RT: 1.90 min Scan# 107
Delta R.T. 0.01 min
Lab File: C3133.D
Acq: 17 Aug 2009 5:27 pm

Tgt Ion: 49 Resp: 58228
Ion Ratio Lower Upper
49 100
84 85.6 76.7 115.1



STANDARDS

DATA

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Instrument ID: MSVOAC Calibration Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Calibration Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

LAB FILE ID:		RRF5 = CS206.D		RRF10 = CS205.D			
RRF50 = CS204.D		RRF100 = CS203.D		RRF200 = CS202.D			
COMPOUND	RRF5	RRF10	RRF50	RRF100	RRF200	RRF	% RSD
Dichlorodifluoromethane	0.481	0.547	0.590	0.648	0.574	0.568	10.8
Chloromethane	0.529	0.573	0.595	0.562	0.529	0.558	5.1
Vinyl Chloride *	0.481	0.541	0.546	0.503	0.465	0.507	7.1 *
Bromomethane *	0.184	0.151	0.129	0.142	0.119	0.145	17.2 *
Chloroethane	0.158	0.162	0.084	0.069	0.067	0.108	44.3
Trichlorofluoromethane	0.512	0.532	0.541	0.529	0.257	0.474	25.7
1,1-Dichloroethene *	0.252	0.235	0.250	0.269	0.219	0.245	7.8 *
1,1,2-Trichloro-1,2,2-t	0.382	0.369	0.359	0.362	0.306	0.356	8.2
Carbon Disulfide	0.941	1.132	0.967	1.073	0.851	0.993	11.2
Acetone	0.086	0.079	0.067	0.068	0.066	0.073	12.4
Methyl Acetate	0.199	0.171	0.151	0.157	0.127	0.161	16.6
Methylene Chloride	0.455	0.417	0.386	0.387	0.318	0.393	12.8
trans-1,2-Dichloroethen	0.302	0.308	0.316	0.336	0.296	0.312	5.0
Mtbe	0.740	0.824	0.731	0.761	0.595	0.730	11.5
1,1-Dichloroethane *	0.542	0.567	0.574	0.569	0.455	0.541	9.2 *
cis-1,2-Dichloroethene	0.485	0.528	0.533	0.548	0.464	0.512	7.0
Bromochloromethane	0.228	0.211	0.195	0.190	0.149	0.195	15.3
Chloroform *	0.678	0.659	0.573	0.582	0.466	0.592	14.2 *
Cyclohexane	0.335	0.349	0.317	0.324	0.281	0.321	8.0
1,2-Dichloroethane *	0.342	0.332	0.309	0.402	0.345	0.346	9.9 *
2-Butanone	0.092	0.106	0.091	0.095	0.085	0.094	8.3
Methyl Cyclohexane	1.219	1.255	1.363	1.362	1.207	1.281	5.9
1,1,1-Trichloroethane *	1.365	1.427	1.405	1.453	1.290	1.388	4.6 *
Carbon tetrachloride *	1.119	1.249	1.274	1.342	1.204	1.238	6.7 *
Benzene *	2.762	2.850	2.698	2.734	2.393	2.687	6.5 *
Trichloroethene *	0.729	0.760	0.800	0.835	0.735	0.772	5.8 *
1,2-Dichloropropane	0.684	0.648	0.660	0.669	0.583	0.649	6.1
Bromodichloromethane *	0.928	0.944	1.071	1.068	0.964	0.995	6.9 *
cis-1,3-Dichloropropene *	0.954	1.006	1.190	1.169	1.021	1.068	9.8 *
trans-1,3-Dichloropropene *	0.849	0.936	0.996	1.012	0.858	0.930	8.1 *
1,1,2-Trichloroethane *	0.433	0.508	0.459	0.400	0.342	0.428	14.6 *
Dibromochloromethane *	0.642	0.715	0.750	0.746	0.621	0.695	8.6 *
1,2-Dibromoethane	0.548	0.635	0.590	0.570	0.469	0.562	10.9
Bromoform *	0.402	0.457	0.408	0.420	0.329	0.403	11.6 *
4-Methyl-2-Pentanone	0.525	0.532	0.488	0.466	0.348	0.472	15.8
Toluene *	2.851	3.023	2.668	2.628	2.250	2.684	10.8 *
Tetrachloroethene *	0.625	0.671	0.631	0.610	0.527	0.613	8.6 *

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Instrument ID: MSVOAC Calibration Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Calibration Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

LAB FILE ID:							
RRF5 = CS206.D				RRF10 = CS205.D			
RRF50 = CS204.D				RRF100 = CS203.D			
				RRF200 = CS202.D			
COMPOUND	RRF5	RRF10	RRF50	RRF100	RRF200	RRF	% RSD
2-Hexanone	0.359	0.438	0.364	0.363	0.278	0.360	15.7
Chlorobenzene *	1.562	1.748	1.704	1.743	1.468	1.645	7.6 *
Ethylbenzene *	0.875	0.967	0.836	0.854	0.741	0.855	9.5 *
m,p-Xylene *	2.550	2.639	2.179	2.199	1.813	2.276	14.5 *
o-Xylene *	1.118	1.218	0.992	0.999	0.827	1.031	14.3 *
Styrene *	1.859	1.258	1.308	1.498	1.248	1.434	18.0 *
Isopropylbenzene	3.258	3.319	2.680	2.661	2.208	2.825	16.4
1,1,2,2-Tetrachloroetha *	0.579	0.482	0.505	0.484	0.341	0.479	18.0 *
1,3-Dichlorobenzene *	1.176	1.191	0.970	0.914	0.719	0.994	19.8 *
1,4-Dichlorobenzene *	1.094	1.080	0.933	0.891	0.678	0.935	18.1 *
1,2-Dichlorobenzene *	0.853	0.988	0.889	0.823	0.583	0.827	18.1 *
1,2-Dibromo-3-chloropro	0.048	0.061	0.075	0.065	0.030	0.056	31.5
1,2,4-Trichlorobenzene *	0.217	0.195	0.236	0.197	0.116	0.192	23.8 *
1,2-Dichloroethane-d4	0.289	0.305	0.247	0.318	0.219	0.275	15.1
Toluene-d8	2.724	2.922	2.267	2.170	2.040	2.425	15.6
Bromofluorobenzene *	0.872	0.916	0.728	0.700	0.637	0.770	15.4 *

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

Quantitation Report

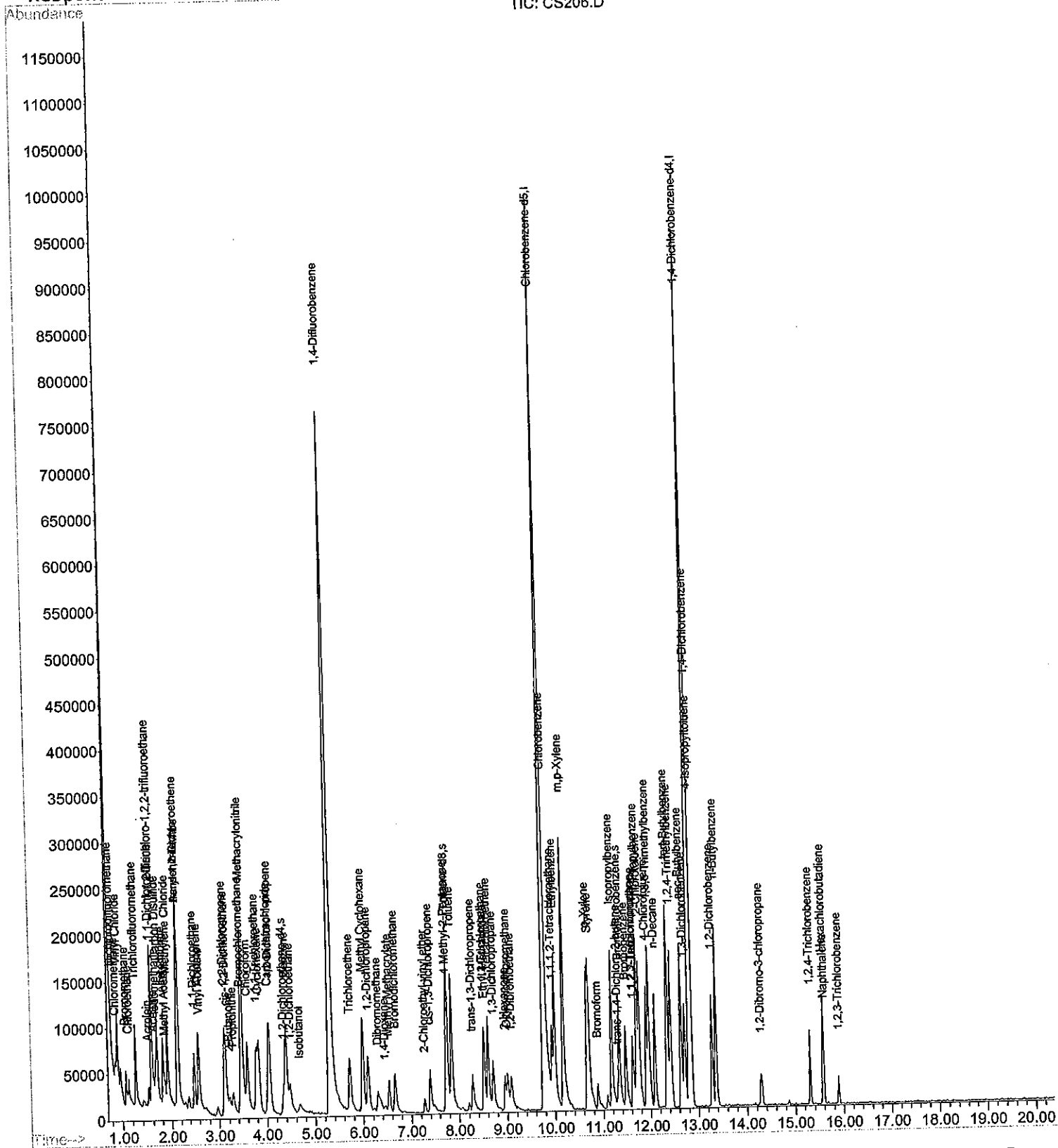
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Acq On : 11 Aug 2009 12:23 pm
Sample : VSTD005
Misc :
MS Integration Params: LSCINT.P
Quant Time: Aug 11 14:29 2009

Vial: 6
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

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Method      : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title       : Voa NBL Plus Calibration
Last Update : Tue Aug 11 14:44:48 2009
Response via : Initial Calibration
```

TIC: CS206.D



Data File : C:\HPCHEM\1\DATA\090811\CS206.D
 Acq On : 11 Aug 2009 12:23 pm
 Sample : VSTD005
 Misc :

Vial: 6
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P
 Quant Time: Aug 11 14:29 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Tue Aug 11 10:51:09 2009
 Response via : Initial Calibration
 DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1342001	50.00	ug	-0.02
36) Chlorobenzene-d5	9.76	82	581292	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.80	150	612339	50.00	ug	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.35	65	38775	4.83	ug	0.00
57) Toluene-d8	7.75	98	158337	5.45	ug	0.00
72) Bromofluorobenzene	11.34	95	53399m	5.19	ug	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.77	85	64502	5.24	ug	96
3) Chloromethane	0.86	50	71041	6.13	ug	97
4) Vinyl Chloride	0.91	62	64564	5.69	ug	98
5) Bromomethane	1.06	96	24704m	5.19	ug	
6) Chloroethane	1.12	64	16009m	6.62	ug	
7) Trichlorofluoromethane	1.26	101	68738m	5.57	ug	
8) Acrolein	1.51	56	17481	20.27	ug	93
9) 1,1-Dichloroethene	1.56	96	33790	5.22	ug	84
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	51313	4.98	ug	# 71
11) Iodomethane	1.65	142	67227	6.45	ug	97
12) Carbon Disulfide	1.68	76	126269	6.74	ug	# 88
13) Acetone	1.62	43	23195m	11.92	ug	
14) Methyl Acetate	1.85	43	26736	6.11	ug	# 84
15) Allyl chloride	1.81	41	76488	4.84	ug	# 90
16) Methylene Chloride	1.90	49	61102m	5.81	ug	
17) trans-1,2-Dichloroethene	2.11	96	40540	4.78	ug	96
18) Acrylonitrile	2.11	53	43853	20.43	ug	93
19) Mtbe	2.14	73	198629	10.53	ug	94
21) 1,1-Dichloroethane	2.48	63	72802	5.03	ug	98
22) Chloroprene	2.57	53	58178	4.66	ug	# 84
23) Vinyl Acetate	2.60	43	60418	6.30	ug	# 94
24) cis-1,2-Dichloroethene	3.14	61	65046	4.68	ug	# 75
25) 2,2-Dichloropropane	3.10	77	77073	4.51	ug	95
26) Acetonitrile	1.81	41	76488	48.80	ug	# 100
27) Propionitrile	3.29	54	39056	54.59	ug	100
28) Bromochloromethane	3.44	49	30625	5.93	ug	96
29) Methacrylonitrile	3.47	67	102842	51.75	ug	# 75
30) Chloroform	3.59	83	91049	5.21	ug	99
31) 1,2-Dichloro-1-propene	4.05	75	60176	5.05	ug	93
33) 1,2-Dichloroethane	4.48	62	45909	4.72	ug	# 82
34) 2-Butanone	3.21	43	24691	11.18	ug	95
35) 1,4-Dioxane	6.45	88	7358	103.72	ug	97
37) 1,1,1-Trichloroethane	3.78	97	79359	4.56	ug	98
38) Cyclohexane	3.83	84	44944	4.87	ug	91
39) Carbon tetrachloride	4.03	117	65061	4.31	ug	93
40) Benzene	4.39	78	160579	5.01	ug	# 66
41) Isobutanol	4.67	43	15731	95.74	ug	# 89
43) Trichloroethene	5.72	130	42348	4.62	ug	# 72
44) Methyl cyclohexane	5.99	83	70863	4.83	ug	92
45) 1,2-Dichloropropane	6.10	63	39770	5.37	ug	# 83
46) Dibromomethane	6.31	174	21046	4.15	ug	91
47) Methyl Methacrylate	6.53	69	20769	4.88	ug	# 73
48) Bromodichloromethane	6.67	83	53921	4.60	ug	96
49) 2-Chloroethyl vinyl ether	7.28	63	10511	3.22	ug	# 97
50) cis-1,3-Dichloropropene	7.39	75	55456	4.38	ug	# 90
51) trans-1,3-Dichloropropene	8.27	75	49359	4.44	ug	# 83

(#) = qualifier out of range (m) = manual integration
 CS206.D NBL9.M Tue Aug 11 16:00:50 2009

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\090811\CS206.D
 Acq On : 11 Aug 2009 12:23 pm
 Sample : VSTD005
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Aug 11 14:29 2009

Vial: 6
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Tue Aug 11 10:51:09 2009
 Response via : Initial Calibration
 DataAcq Meth : METH0C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	41068	5.07	ug	# 70
53) 1,1,2-Trichloroethane	8.51	83	25183	5.04	ug	97
54) Dibromochloromethane	9.00	129	37345	4.54	ug	96
55) 1,2-Dibromoethane	9.08	107	31830	4.90	ug	97
56) 4-Methyl-2-Pentanone	7.73	43	60979	12.69	ug	# 1
58) Toluene	7.84	91	165748	5.11	ug	# 94
59) Tetrachloroethene	8.61	164	36346	4.69	ug	87
60) 1,3-Dichloropropane	8.71	76	50181	5.05	ug	88
61) 2-Hexanone	8.96	43	41681	12.20	ug	# 85
62) Chlorobenzene	9.79	112	90790	4.51	ug	# 83
63) Ethylbenzene	9.99	106	50842	5.06	ug	# 100
64) m,p-Xylene	10.16	91	296442	10.65	ug	89
65) o-Xylene	10.66	106	64969	5.21	ug	82
66) Styrene	10.70	104	108089m	7.17	ug	
67) Isopropylbenzene	11.18	105	189356	5.51	ug	95
68) 1,1,2,2-Tetrachloroethane	11.63	83	33680m	5.90	ug	
70) Bromoform	10.89	173	23386	4.75	ug	88
71) trans-1,4-Dichloro-2-buten	11.30	88	9490	4.28	ug	# 1
73) Bromobenzene	11.47	77	70326	5.68	ug	# 80
74) 1,2,3-Trichloropropane	11.62	75	23720	5.40	ug	# 83
75) 1,1,1,2-Tetrachloroethane	9.94	133	32741	4.29	ug	# 48
76) n-Propylbenzene	11.71	91	187140	5.50	ug	99
77) 2-Chlorotoluene	11.75	91	159926m	5.72	ug	
78) 4-Chlorotoluene	11.91	91	149189	5.78	ug	98
79) n-Decane	12.09	57	61090	5.56	ug	97
80) 1,3,5-Trimethylbenzene	11.96	105	132020m	5.23	ug	
81) tert-Butylbenzene	12.35	119	156334	5.63	ug	94
82) 1,2,4-Trimethylbenzene	12.42	105	125968m	5.19	ug	
83) sec-Butylbenzene	12.63	105	181474	5.65	ug	96
84) 1,3-Dichlorobenzene	12.70	146	72017m	5.77	ug	
85) 1,4-Dichlorobenzene	12.84	146	66971m	5.74	ug	
86) 4-Isopropyltoluene	12.85	119	131053	5.72	ug	94
87) 1,2-Dichlorobenzene	13.28	146	58105m	6.14	ug	
88) n-Butylbenzene	13.37	91	146378m	7.25	ug	
89) 1,2-Dibromo-3-chloropropan	14.28	157	3306m	5.43	ug	
90) 1,2,4-Trichlorobenzene	15.31	180	14576m	8.52	ug	
91) Hexachlorobutadiene	15.56	225	17837m	8.35	ug	
92) Naphthalene	15.59	128	21969m	7.18	ug	
93) 1,2,3-Trichlorobenzene	15.89	180	6886m	5.15	ug	

(#) = qualifier out of range (m) = manual integration
 CS206.D NBL9.M Tue Aug 11 16:00:52 2009

Quantitation Report

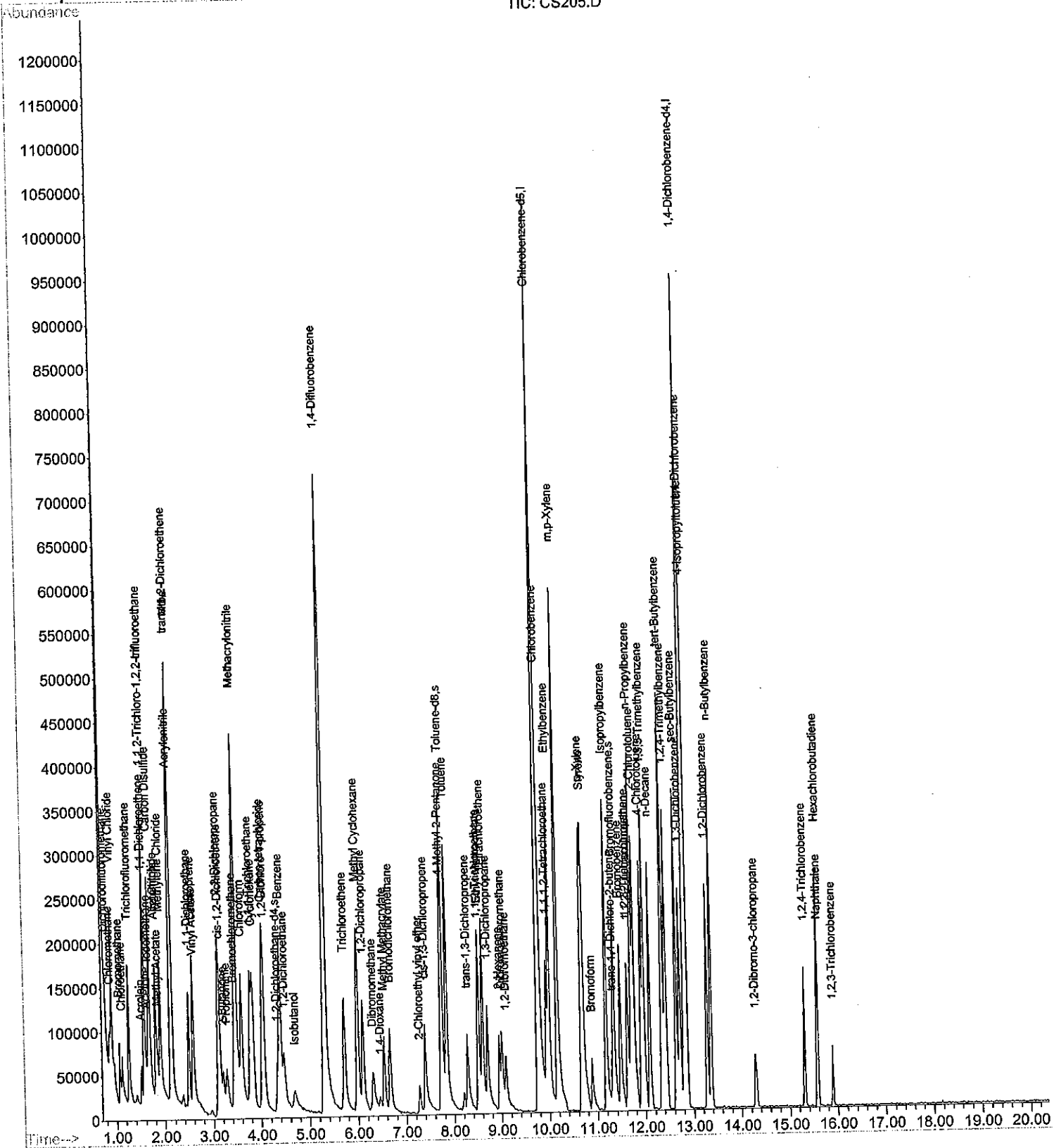
Data File : C:\HPCHEM\1\DATA\090811\CS205.D
Acq On : 11 Aug 2009 11:55 am
Sample : VSTD010
Misc :
MS Integration Params: LSCINT.P
Quant Time: Aug 11 14:44 2009

vial: 5
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

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Method      : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title       : Voa NBL Plus Calibration
Last Update : Tue Aug 11 14:44:48 2009
Response via : Initial Calibration
```

TIC: CS205.D



Data File : C:\HPCHEM\1\DATA\090811\CS205.D

Vial: 5

Acq On : 11 Aug 2009 11:55 am

Operator:

Sample : VSTD010

Inst : GCMS-C

Misc :

Multiplier: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 11 14:44 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1351919	50.00	ug	-0.02
36) Chlorobenzene-d5	9.76	82	571088	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.80	150	613189	50.00	ug	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.33	65	82392	10.19	ug	-0.02
57) Toluene-d8	7.75	98	333775	11.70	ug	-0.01
72) Bromofluorobenzene	11.33	95	112327m	10.90	ug	-0.01
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.77	85	148003	11.94	ug	98
3) Chloromethane	0.87	50	154991	13.27	ug	100
4) Vinyl Chloride	0.90	62	146198	12.78	ug	95
5) Bromomethane	1.06	96	40702m	8.49	ug	
6) Chloroethane	1.12	64	29111m	11.95	ug	
7) Trichlorofluoromethane	1.26	101	143864m	11.58	ug	
8) Acrolein	1.51	56	36714	42.27	ug	93
9) 1,1-Dichloroethene	1.56	96	63446	9.73	ug	# 64
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	99809	9.61	ug	# 68
11) Iodomethane	1.65	142	156754	14.92	ug	95
12) Carbon Disulfide	1.68	76	306028	16.21	ug	97
13) Acetone	1.61	43	42972m	21.91	ug	
14) Methyl Acetate	1.85	43	46253m	10.49	ug	
15) Allyl Chloride	1.81	41	165098	10.37	ug	99
16) Methylene Chloride	1.91	49	112632m	10.64	ug	
17) trans-1,2-Dichloroethene	2.12	96	83309	9.75	ug	97
18) Acrylonitrile	2.11	53	97937	45.28	ug	98
19) Mtbe	2.13	73	445544	23.44	ug	92
21) 1,1-Dichloroethane	2.49	63	153256	10.51	ug	100
22) Chloroprene	2.57	53	123568	9.82	ug	91
23) Vinyl Acetate	2.60	43	139073	14.39	ug	98
24) cis-1,2-Dichloroethene	3.14	61	142831	10.19	ug	# 76
25) 2,2-Dichloropropane	3.10	77	173651	10.09	ug	95
26) Acetonitrile	1.81	41	165098	104.56	ug	# 100
27) Propionitrile	3.28	54	86094	119.44	ug	100
28) Bromochloromethane	3.43	49	57075	10.98	ug	96
29) Methacrylonitrile	3.46	67	253095	126.43	ug	88
30) Chloroform	3.60	83	178123	10.11	ug	98
31) 1,2-Dichloro-1-propene	4.06	75	126678	10.56	ug	91
33) 1,2-Dichloroethane	4.48	62	89679	9.16	ug	# 86
34) 2-Butanone	3.20	43	57328	25.76	ug	96
35) 1,4-Dioxane	6.46	88	17143	239.88	ug	# 75
37) 1,1,1-Trichloroethane	3.78	97	162978	9.54	ug	95
38) Cyclohexane	3.82	84	94475	10.41	ug	85
39) Carbon tetrachloride	4.03	117	142679	9.63	ug	96
40) Benzene	4.40	78	325523	10.34	ug	# 74
41) Isobutanol	4.69	43	45545m	282.15	ug	
43) Trichloroethene	5.72	130	86797	9.63	ug	# 73
44) Methyl cyclohexane	5.99	83	143378	9.95	ug	95
45) 1,2-Dichloropropane	6.10	63	74037	10.18	ug	# 70
46) Dibromomethane	6.30	174	52374	10.50	ug	95
47) Methyl Methacrylate	6.54	69	51518	12.32	ug	# 83
48) Bromodichloromethane	6.67	83	107803	9.36	ug	# 90
49) 2-Chloroethyl vinyl ether	7.27	63	23533	7.33	ug	89
50) cis-1,3-Dichloropropene	7.40	75	114949	9.25	ug	96
51) trans-1,3-Dichloropropene	8.28	75	106879	9.79	ug	90

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

CS205.D NBL9.M Tue Aug 11 16:01:03 2009

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\090811\CS205.D
 Acq On : 11 Aug 2009 11:55 am
 Sample : VSTD010
 Misc :

Vial: 5
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P
 Quant Time: Aug 11 14:44 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Tue Aug 11 10:51:09 2009
 Response via : Initial Calibration
 DataAcq Meth : METHOC

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	105113	13.20	ug	# 78
53) 1,1,2-Trichloroethane	8.50	83	58005	11.83	ug	97
54) Dibromochloromethane	9.01	129	81651	10.11	ug	98
55) 1,2-Dibromoethane	9.09	107	72561	11.37	ug	95
56) 4-Methyl-2-Pentanone	7.73	43	121603m	25.75	ug	
58) Toluene	7.84	91	345275	10.83	ug	# 93
59) Tetrachloroethene	8.61	164	76619	10.06	ug	87
60) 1,3-Dichloropropane	8.71	76	113615	11.64	ug	93
61) 2-Hexanone	8.95	43	99957	29.77	ug	# 83
62) Chlorobenzene	9.79	112	199618	10.09	ug	95
63) Ethylbenzene	9.99	106	110416	11.19	ug	# 100
64) m,p-Xylene	10.16	91	602777	22.03	ug	91
65) o-Xylene	10.67	106	139150	11.36	ug	87
66) Styrene	10.70	104	143653m	9.70	ug	
67) Isopropylbenzene	11.18	105	379066	11.23	ug	95
68) 1,1,2,2-Tetrachloroethane	11.63	83	55076m	9.82	ug	
70) Bromoform	10.88	173	52167	10.57	ug	95
71) trans-1,4-Dichloro-2-buten	11.31	88	27866	12.55	ug	# 1
73) Bromobenzene	11.47	77	146582	11.82	ug	# 76
74) 1,2,3-Trichloropropane	11.62	75	55832	12.70	ug	# 89
75) 1,1,1,2-Tetrachloroethane	9.95	133	72843	9.53	ug	# 34
76) n-Propylbenzene	11.71	91	430513	12.63	ug	97
77) 2-Chlorotoluene	11.75	91	323858m	11.58	ug	
78) 4-Chlorotoluene	11.91	91	304561	11.77	ug	98
79) n-Decane	12.09	57	135990	12.37	ug	98
80) 1,3,5-Trimethylbenzene	11.97	105	289148	11.43	ug	89
81) tert-Butylbenzene	12.35	119	323159	11.62	ug	# 93
82) 1,2,4-Trimethylbenzene	12.42	105	270060m	11.11	ug	
83) sec-Butylbenzene	12.63	105	371541m	11.56	ug	
84) 1,3-Dichlorobenzene	12.71	146	146047m	11.69	ug	
85) 1,4-Dichlorobenzene	12.83	146	132399m	11.33	ug	
86) 4-Isopropyltoluene	12.84	119	264142	11.51	ug	95
87) 1,2-Dichlorobenzene	13.27	146	121114m	12.79	ug	
88) n-Butylbenzene	13.36	91	296348	14.66	ug	94
89) 1,2-Dibromo-3-chloropropan	14.28	157	8516m	13.97	ug	
90) 1,2,4-Trichlorobenzene	15.30	180	27363m	15.97	ug	
91) Hexachlorobutadiene	15.57	225	40890m	19.11	ug	
92) Naphthalene	15.58	128	28437m	9.28	ug	
93) 1,2,3-Trichlorobenzene	15.89	180	14454m	10.80	ug	

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

CS205.D NBL9.M Tue Aug 11 16:01:04 2009

: 00243 Page 2

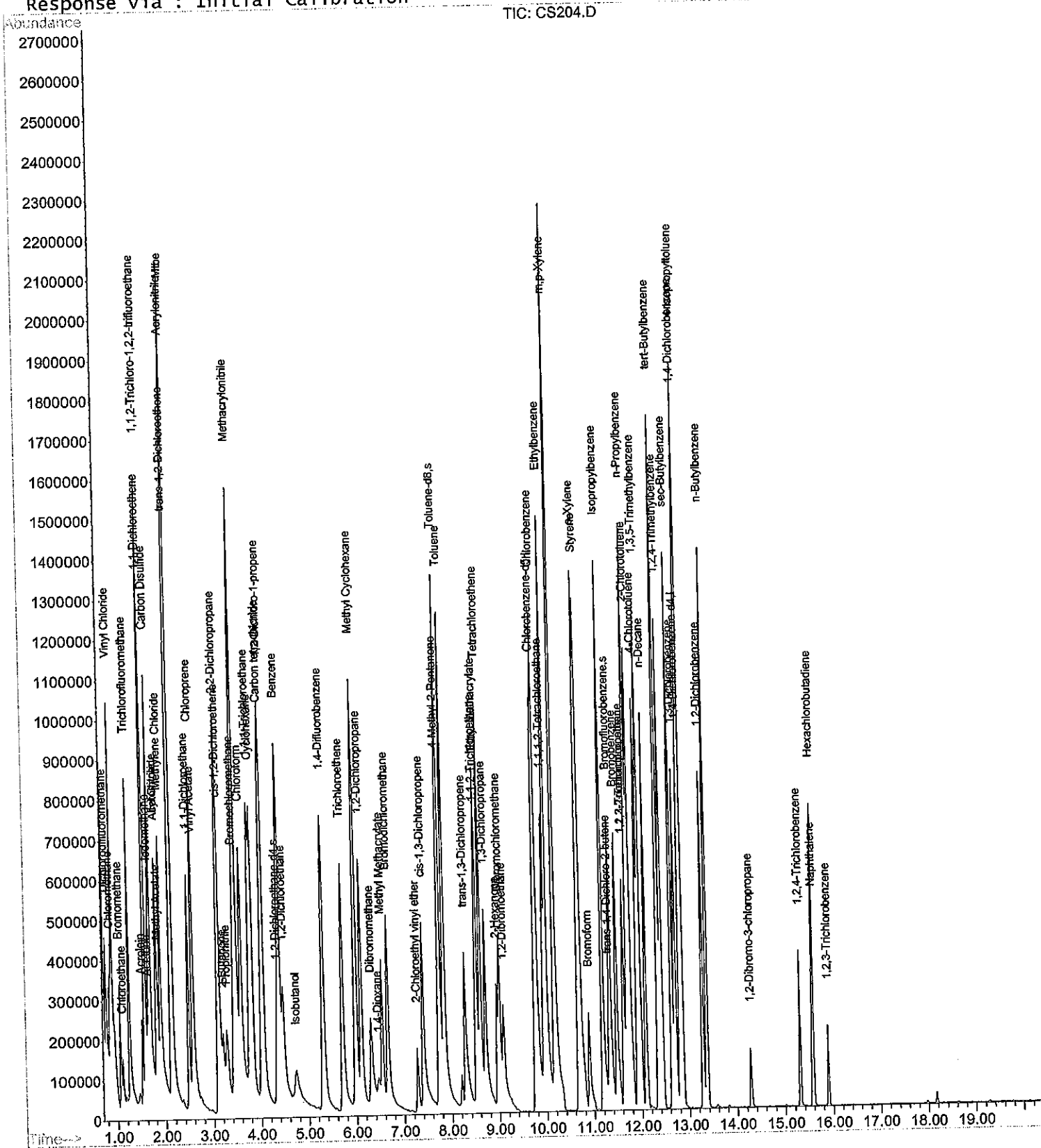
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090811\CS204.D
Acq On : 11 Aug 2009 11:26 am
Sample : VSTD050
Misc :
MS Integration Params: LSCINT.P
Quant Time: Aug 11 13:52 2009

vial: 4
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

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Method       : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title        : Voa NBL Plus Calibration
Last Update  : Tue Aug 11 14:44:48 2009
Response via : Initial Calibration
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Data File : C:\HPCHEM\1\DATA\090811\CS204.D
 Acq On : 11 Aug 2009 11:26 am
 Sample : VSTD050
 Misc :

Vial: 4
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 11 13:52 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METHOC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.31	114	1386712	50.00	ug	-0.01
36) Chlorobenzene-d5	9.75	82	582277	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.80	150	589626	50.00	ug	-0.01

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.34	65	342129	41.24	ug	-0.01
57) Toluene-d8	7.75	98	1320153	45.39	ug	-0.01
72) Bromofluorobenzene	11.33	95	429113	43.32	ug	-0.01

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.77	85	818186	64.38	ug	90
3) Chloromethane	0.87	50	824691	68.82	ug	99
4) Vinyl Chloride	0.90	62	757195	64.53	ug	97
5) Bromomethane	1.06	96	178653	36.34	ug	90
6) Chloroethane	1.12	64	117072m	46.84	ug	
7) Trichlorofluoromethane	1.25	101	750372	58.86	ug	97
8) Acrolein	1.51	56	177962	199.74	ug	94
9) 1,1-Dichloroethene	1.56	96	346040	51.71	ug	79
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	498019	46.75	ug	# 65
11) Iodomethane	1.65	142	720310	66.86	ug	90
12) Carbon Disulfide	1.68	76	1341267	69.26	ug	92
13) Acetone	1.62	43	184538	91.74	ug	93
14) Methyl Acetate	1.85	43	208899	46.18	ug	100
15) Allyl chloride	1.82	41	782382	47.93	ug	# 87
16) Methylene Chloride	1.91	49	535016	49.27	ug	89
17) trans-1,2-Dichloroethene	2.11	96	438835	50.07	ug	91
18) Acrylonitrile	2.12	53	450408	203.03	ug	92
19) Mtbe	2.14	73	2026620	103.93	ug	91
21) 1,1-Dichloroethane	2.49	63	795430	53.19	ug	99
22) Chloroprene	2.57	53	640198	49.62	ug	# 86
23) Vinyl Acetate	2.59	43	554559	55.93	ug	100
24) cis-1,2-Dichloroethene	3.14	61	739619	51.46	ug	# 68
25) 2,2-Dichloropropane	3.10	77	882337	50.00	ug	99
26) Acetonitrile	1.82	41	782382	483.06	ug	# 100
27) Propionitrile	3.29	54	411194	556.16	ug	100
28) Bromochloromethane	3.44	49	270458	50.71	ug	96
29) Methacrylonitrile	3.47	67	990666	482.46	ug	86
30) Chloroform	3.60	83	794172	43.95	ug	99
31) 1,2-Dichloro-1-propene	4.05	75	595692	48.43	ug	89
33) 1,2-Dichloroethane	4.48	62	427870	42.60	ug	# 86
34) 2-Butanone	3.21	43	253246	110.95	ug	100
35) 1,4-Dioxane	6.46	88	85938	1172.32	ug	93
37) 1,1,1-Trichloroethane	3.78	97	818186	46.96	ug	97
38) Cyclohexane	3.82	84	439100	47.47	ug	85
39) Carbon tetrachloride	4.03	117	741864	49.10	ug	97
40) Benzene	4.39	78	1571012	48.95	ug	# 69
41) Isobutanol	4.74	43	189864	1153.58	ug	# 91
43) Trichloroethene	5.72	130	465943	50.72	ug	# 71
44) Methyl Cyclohexane	5.99	83	793416	54.02	ug	90
45) 1,2-Dichloropropane	6.10	63	384032	51.81	ug	# 71
46) Dibromomethane	6.32	174	290136	57.07	ug	96
47) Methyl Methacrylate	6.54	69	223044	52.30	ug	89
48) Bromodichloromethane	6.67	83	623570	53.11	ug	96
49) 2-Chloroethyl vinyl ether	7.27	63	128081	39.14	ug	# 81
50) cis-1,3-Dichloropropene	7.40	75	693022	54.67	ug	98
51) trans-1,3-Dichloropropene	8.28	75	580128	52.11	ug	# 83

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

CS204.D NBL9.M Tue Aug 11 16:01:16 2009

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\090811\CS204.D
 Acq On : 11 Aug 2009 11:26 am
 Sample : VSTD050
 Misc :

Vial: 4
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 11 13:52 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Compound	R.T.	Qion	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	408180	50.29	ug	# 69
53) 1,1,2-Trichloroethane	8.50	83	267528	53.50	ug	97
54) Dibromochloromethane	9.01	129	436911	53.07	ug	99
55) 1,2-Dibromoethane	9.09	107	343600	52.78	ug	99
56) 4-Methyl-2-Pentanone	7.73	43	568143	118.02	ug	# 1
58) Toluene	7.85	91	1553523	47.81	ug	95
59) Tetrachloroethene	8.60	164	367264	47.30	ug	83
60) 1,3-Dichloropropane	8.71	76	524183	52.69	ug	# 84
61) 2-Hexanone	8.95	43	423510	123.71	ug	# 86
62) Chlorobenzene	9.79	112	992060	49.18	ug	98
63) Ethylbenzene	9.99	106	486924	48.38	ug	# 100
64) m,p-Xylene	10.16	91	2537665	90.98	ug	91
65) o-Xylene	10.67	106	577357	46.22	ug	86
66) Styrene	10.70	104	761443m	50.42	ug	
67) Isopropylbenzene	11.18	105	1560702	45.33	ug	94
68) 1,1,2,2-Tetrachloroethane	11.63	83	294153	51.46	ug	97
70) Bromoform	10.89	173	237510	50.05	ug	99
71) trans-1,4-Dichloro-2-buten	11.31	88	113093	52.98	ug	# 1
73) Bromobenzene	11.48	77	564661	47.37	ug	# 75
74) 1,2,3-Trichloropropane	11.63	75	188806	44.68	ug	# 85
75) 1,1,1,2-Tetrachloroethane	9.95	133	369278	50.22	ug	# 22
76) n-Propylbenzene	11.71	91	1613833	49.22	ug	100
77) 2-Chlorotoluene	11.76	91	1115414m	41.46	ug	
78) 4-Chlorotoluene	11.91	91	1167679	46.95	ug	98
79) n-Decane	12.09	57	471786	44.62	ug	97
80) 1,3,5-Trimethylbenzene	11.96	105	1101191	45.29	ug	90
81) tert-Butylbenzene	12.35	119	1244946	46.54	ug	# 90
82) 1,2,4-Trimethylbenzene	12.42	105	1102205	47.16	ug	92
83) sec-Butylbenzene	12.63	105	1446415	46.80	ug	96
84) 1,3-Dichlorobenzene	12.71	146	572036	47.63	ug	100
85) 1,4-Dichlorobenzene	12.83	146	549931	48.95	ug	98
86) 4-Isopropyltoluene	12.84	119	1054048	47.75	ug	94
87) 1,2-Dichlorobenzene	13.27	146	524272	57.58	ug	92
88) n-Butylbenzene	13.36	91	1039905	53.48	ug	95
89) 1,2-Dibromo-3-chloropropan	14.28	157	44423	75.77	ug	# 65
90) 1,2,4-Trichlorobenzene	15.30	180	139399	84.63	ug	# 85
91) Hexachlorobutadiene	15.57	225	164480	79.93	ug	97
92) Naphthalene	15.58	128	173402	58.86	ug	100
93) 1,2,3-Trichlorobenzene	15.89	180	73360	56.98	ug	97

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

CS204.D NBL9.M Tue Aug 11 16:01:17 2009

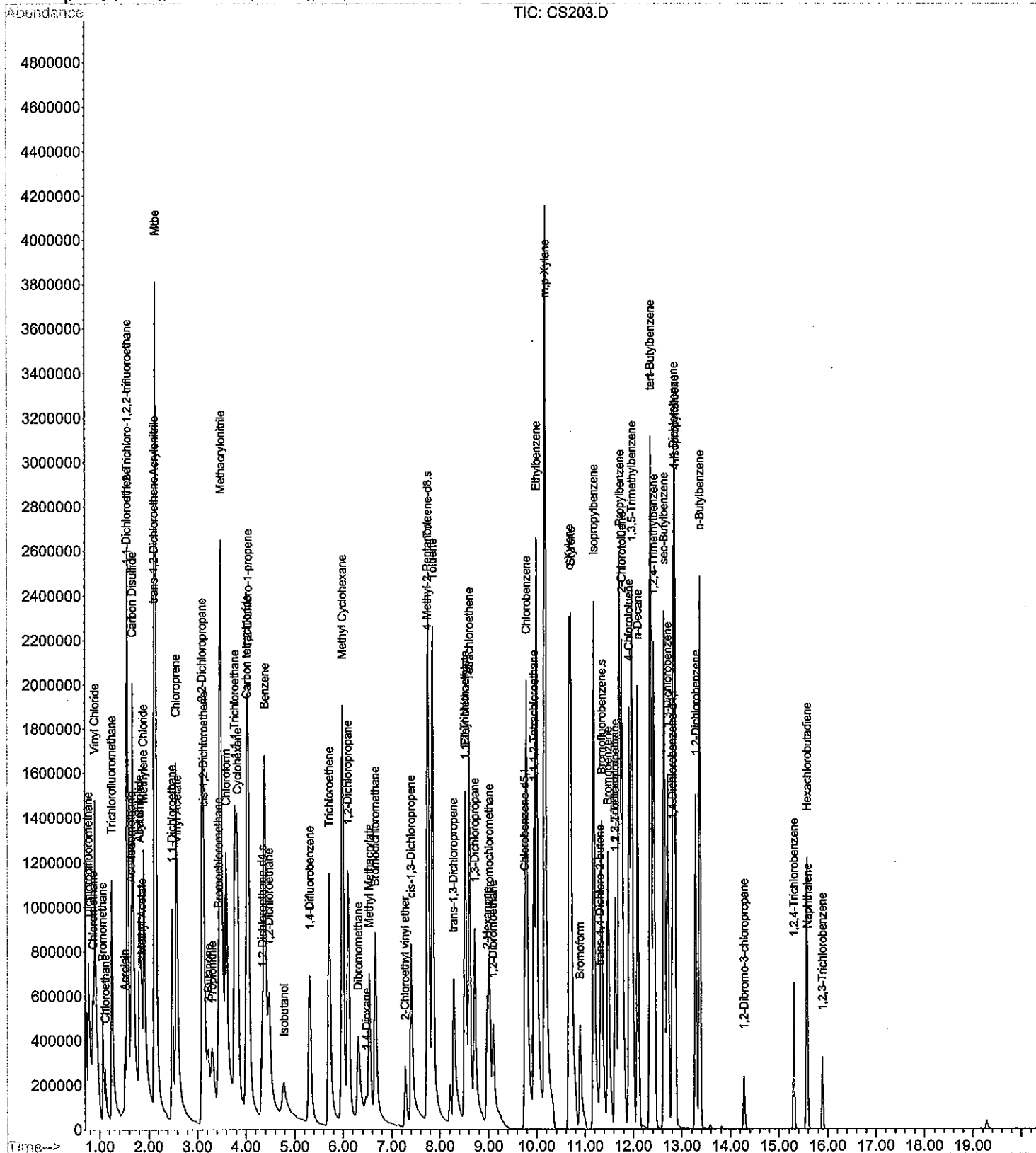
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090811\CS203.D
 Acq On : 11 Aug 2009 10:57 am
 Sample : VSTD100
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Aug 11 13:14 2009

Vial: 3
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Tue Aug 11 14:44:48 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090811\CS203.D
 Acq On : 11 Aug 2009 10:57 am
 Sample : VSTD100
 Misc :

Vial: 3
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 11 13:14 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Tue Aug 11 10:51:09 2009
 Response via : Initial Calibration
 DataAcq Meth : METHOC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.31	114	1233627	50.00	ug	-0.01
36) Chlorobenzene-d5	9.76	82	529266	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.81	150	574786m	50.00	ug	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.34	65	785330	106.40	ug	-0.01
57) Toluene-d8	7.75	98	2297490	86.90	ug	-0.01
72) Bromofluorobenzene	11.35	95	804221	83.28	ug	0.00
Target Compounds						
						qvalue
2) Dichlorodifluoromethane	0.77	85	1598507	141.38	ug	90
3) Chloromethane	0.87	50	1387138	130.11	ug	99
4) Vinyl chloride	0.90	62	1240714	118.86	ug	96
5) Bromomethane	1.06	96	351405	80.34	ug	92
6) Chloroethane	1.12	64	171391	77.08	ug	# 72
7) Trichlorofluoromethane	1.25	101	1304387	115.01	ug	97
8) Acrolein	1.51	56	315312	397.81	ug	94
9) 1,1-Dichloroethene	1.56	96	664620	111.65	ug	# 72
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	893324	94.27	ug	# 65
11) Iodomethane	1.65	142	1458441	152.17	ug	89
12) Carbon Disulfide	1.67	76	2648490	153.74	ug	93
13) Acetone	1.64	43	335379	187.43	ug	93
14) Methyl Acetate	1.86	43	387984	96.41	ug	97
15) Allyl chloride	1.82	41	1545471	106.43	ug	92
16) Methylene chloride	1.90	49	955812	98.93	ug	88
17) trans-1,2-Dichloroethene	2.11	96	829690	106.42	ug	91
18) Acrylonitrile	2.12	53	780955	395.72	ug	95
19) Mtbe	2.14	73	3756132	216.54	ug	91
21) 1,1-Dichloroethane	2.49	63	1404558	105.58	ug	99
22) Chloroprene	2.57	53	1213658	105.74	ug	90
23) Vinyl Acetate	2.60	43	1322497	149.93	ug	98
24) cis-1,2-Dichloroethene	3.14	61	1352313	105.77	ug	# 75
25) 2,2-Dichloropropane	3.10	77	1663717	105.97	ug	98
26) Acetonitrile	1.82	41	1545471	1072.63	ug	# 100
27) Propionitrile	3.31	54	766996	1166.13	ug	100
28) Bromochloromethane	3.44	49	469440	98.95	ug	# 90
29) Methacrylonitrile	3.49	67	1865218	1021.09	ug	# 87
30) Chloroform	3.60	83	1436529	89.36	ug	99
31) 1,2-Dichloro-1-propene	4.05	75	1156795	105.71	ug	90
33) 1,2-Dichloroethane	4.48	62	1015834	113.68	ug	# 78
34) 2-Butanone	3.23	43	469709	231.33	ug	100
35) 1,4-Dioxane	6.49	88	147207	2257.32	ug	90
37) 1,1,1-Trichloroethane	3.78	97	1537631	97.10	ug	98
38) Cyclohexane	3.84	84	799389	95.07	ug	86
39) Carbon tetrachloride	4.03	117	1420916	103.47	ug	98
40) Benzene	4.40	78	2893737	99.20	ug	# 68
41) Isobutanol	4.78	43	330439	2208.78	ug	# 93
43) Trichloroethene	5.72	130	883386	105.80	ug	# 70
44) Methyl cyclohexane	5.99	83	1441530	107.98	ug	91
45) 1,2-Dichloropropane	6.10	63	708533	105.16	ug	# 64
46) Dibromomethane	6.32	174	527370	114.12	ug	95
47) Methyl Methacrylate	6.54	69	434270	112.02	ug	89
48) Bromodichloromethane	6.67	83	1130004	105.88	ug	96
49) 2-Chloroethyl vinyl ether	7.27	63	227012	76.33	ug	# 80
50) cis-1,3-Dichloropropene	7.40	75	1237915	107.43	ug	97
51) trans-1,3-Dichloropropene	8.28	75	1071194	105.86	ug	# 86

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

CS203.D NBL9.M Tue Aug 11 16:01:30 2009

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\090811\CS203.D
 Acq On : 11 Aug 2009 10:57 am
 Sample : VSTD100
 Misc :

Vial: 3
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 11 13:14 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Tue Aug 11 10:51:09 2009
 Response via : Initial Calibration
 DataAcq Meth : METHOC

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	771419	104.56	ug	# 70
53) 1,1,2-Trichloroethane	8.52	83	423461	93.16	ug	95
54) Dibromochloromethane	9.01	129	789257	105.47	ug	100
55) 1,2-Dibromoethane	9.09	107	603291	101.96	ug	98
56) 4-Methyl-2-Pentanone	7.74	43	986405	225.42	ug	# 1
58) Toluene	7.85	91	2781534	94.18	ug	# 93
59) Tetrachloroethene	8.61	164	646227	91.57	ug	85
60) 1,3-Dichloropropane	8.72	76	940513	104.00	ug	# 83
61) 2-Hexanone	8.97	43	767992	246.81	ug	# 84
62) Chlorobenzene	9.79	112	1845464	100.64	ug	99
63) Ethylbenzene	9.99	106	904402	98.86	ug	# 100
64) m,p-Xylene	10.17	91	4655965	183.64	ug	93
65) o-Xylene	10.67	106	1057373	93.12	ug	90
66) Styrene	10.70	104	1586111	115.55	ug	# 79
67) Isopropylbenzene	11.18	105	2816347	90.00	ug	95
68) 1,1,2,2-Tetrachloroethane	11.63	83	512682	98.67	ug	97
70) Bromoform	10.89	173	444547	96.09	ug	98
71) trans-1,4-Dichloro-2-buten	11.31	88	232672	111.81	ug	# 1
73) Bromobenzene	11.48	77	1033849	88.97	ug	# 76
74) 1,2,3-Trichloropropane	11.63	75	348007	84.48	ug	# 88
75) 1,1,1,2-Tetrachloroethane	9.95	133	696702	97.20	ug	# 18
76) n-Propylbenzene	11.72	91	2866582	89.69	ug	98
77) 2-Chlorotoluene	11.76	91	2184550m	83.30	ug	
78) 4-Chlorotoluene	11.91	91	2175097	89.71	ug	98
79) n-Decane	12.09	57	940399	91.24	ug	97
80) 1,3,5-Trimethylbenzene	11.97	105	2072089	87.41	ug	91
81) tert-Butylbenzene	12.35	119	2308270	88.52	ug	92
82) 1,2,4-Trimethylbenzene	12.42	105	2046567	89.83	ug	94
83) sec-Butylbenzene	12.63	105	2678873	88.91	ug	94
84) 1,3-Dichlorobenzene	12.71	146	1050691	89.74	ug	99
85) 1,4-Dichlorobenzene	12.83	146	1024756	93.58	ug	100
86) 4-Isopropyltoluene	12.86	119	1940904	90.19	ug	95
87) 1,2-Dichlorobenzene	13.29	146	946188	106.59	ug	91
88) n-Butylbenzene	13.36	91	1866461	98.48	ug	96
89) 1,2-Dibromo-3-chloropropan	14.28	157	74902	131.05	ug	# 74
90) 1,2,4-Trichlorobenzene	15.30	180	226648	141.16	ug	# 85
91) Hexachlorobutadiene	15.57	225	274859	137.02	ug	98
92) Naphthalene	15.59	128	269848	93.96	ug	100
93) 1,2,3-Trichlorobenzene	15.89	180	117892	93.94	ug	96

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

CS203.D NBL9.M Tue Aug 11 16:01:31 2009

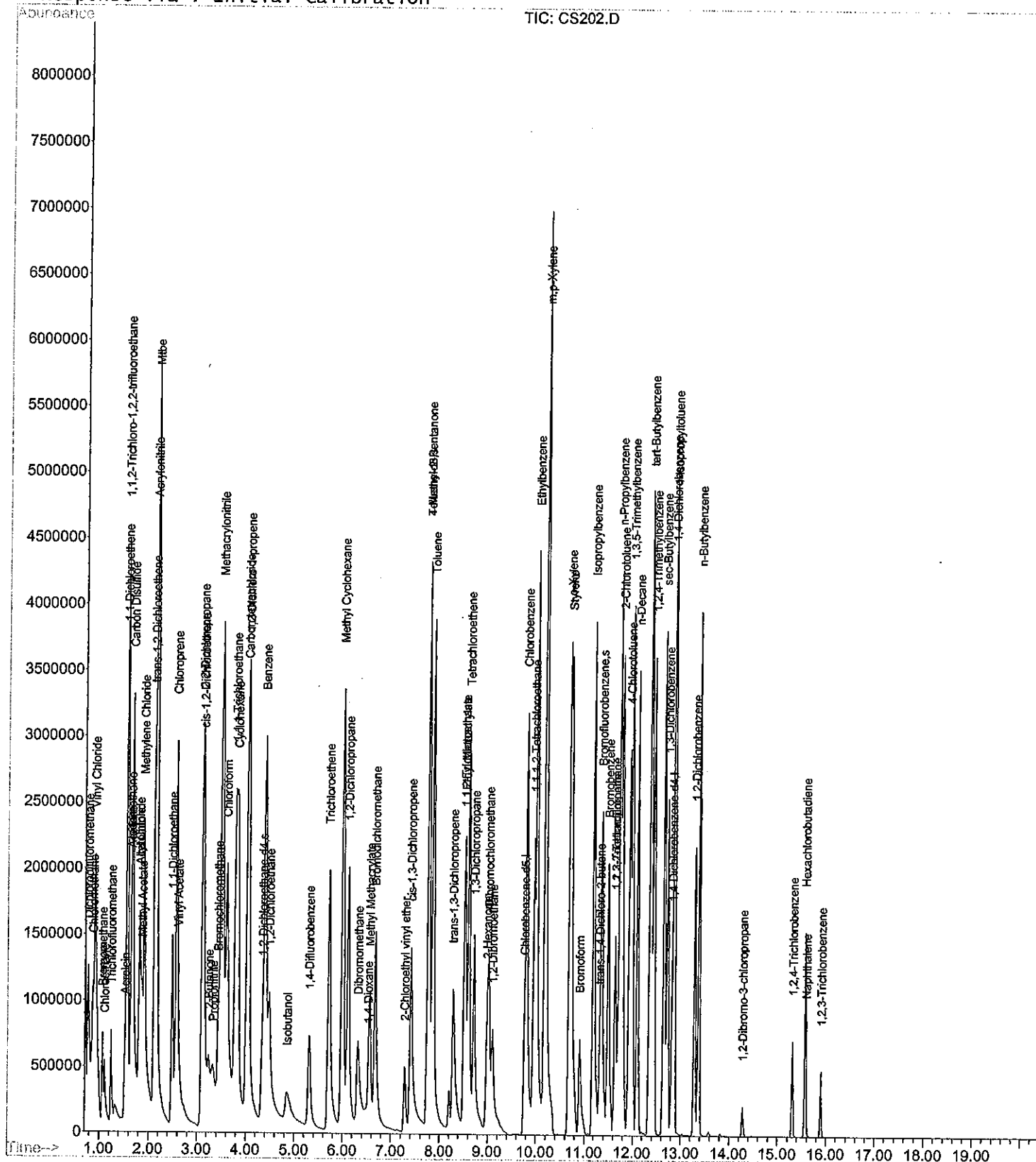
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090811\CS202.D
Acq On : 11 Aug 2009 10:29 am
Sample : VSTD200
Misc :
MS Integration Params: LSCINT.P
Quant Time: Aug 11 14:30 2009

Vial: 2
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

```
Method       : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title        : Voa NBL Plus Calibration
Last Update   : Tue Aug 11 14:44:48 2009
Response via  : Initial Calibration
```



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\090811\CS202.D
 Acq On : 11 Aug 2009 10:29 am
 Sample : VSTD200
 Misc :

Vial: 2
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 11 14:30 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Jul 22 10:43:48 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1308218	50.00	ug	-0.02
36) Chlorobenzene-d5	9.76	82	539787	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.81	150	573385m	50.00	ug	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.35	65	1144701	146.25	ug	0.00
57) Toluene-d8	7.75	98	4404000	163.33	ug	0.00
72) Bromofluorobenzene	11.35	95	1460986	151.66	ug	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.77	85	3001700	250.35	ug	90
3) Chloromethane	0.87	50	2767398	244.78	ug	99
4) Vinyl Chloride	0.91	62	2432487	219.74	ug	97
5) Bromomethane	1.06	96	624034	134.54	ug	93
6) Chloroethane	1.11	64	349165	148.07	ug	# 88
7) Trichlorofluoromethane	1.24	101	1344241m	111.77	ug	
8) Acrolein	1.53	56	514823	612.49	ug	91
9) 1,1-Dichloroethene	1.55	96	1145009	181.38	ug	# 67
10) 1,1,2-Trichloro-1,2,2-trif	1.56	101	1600185	159.23	ug	# 66
11) Iodomethane	1.64	142	2544403	250.33	ug	89
12) Carbon Disulfide	1.67	76	4453838	243.79	ug	95
13) Acetone	1.65	43	693854	365.65	ug	96
14) Methyl Acetate	1.86	43	663051	155.37	ug	99
15) Allyl Chloride	1.81	41	2675642	173.76	ug	# 77
16) Methylene Chloride	1.90	49	1664852	162.50	ug	90
17) trans-1,2-Dichloroethene	2.11	96	1547835	187.21	ug	85
18) Acrylonitrile	2.14	53	1291443	617.09	ug	94
19) Mtbe	2.16	73	6225733	338.44	ug	91
21) 1,1-Dichloroethane	2.49	63	2379022	168.64	ug	99
22) Chloroprene	2.58	53	2390448	196.38	ug	93
23) Vinyl Acetate	2.61	43	2293316	245.16	ug	99
24) cis-1,2-Dichloroethene	3.13	61	2426328	178.95	ug	# 75
25) 2,2-Dichloropropane	3.11	77	3013162	180.98	ug	99
26) Acetonitrile	1.81	41	2675642	1751.14	ug	# 100
27) Propionitrile	3.33	54	1209610	1734.22	ug	100
28) Bromochloromethane	3.43	49	777529	154.54	ug	# 86
29) Methacrylonitrile	3.50	67	3013503	1555.65	ug	# 85
30) Chloroform	3.60	83	2438474	143.04	ug	98
31) 1,2-Dichloro-1-propene	4.05	75	2097713	180.77	ug	88
33) 1,2-Dichloroethane	4.48	62	1861346	196.43	ug	# 77
34) 2-Butanone	3.24	43	886447	411.68	ug	98
35) 1,4-Dioxane	6.52	88	260215	3762.71	ug	97
37) 1,1,1-Trichloroethane	3.78	97	2784763	172.42	ug	98
38) Cyclohexane	3.83	84	1470434	171.46	ug	84
39) Carbon tetrachloride	4.03	117	2599056	185.58	ug	100
40) Benzene	4.39	78	5166476	173.66	ug	# 65
41) Isobutanol	4.85	43	549197	3599.49	ug	94
43) Trichloroethene	5.71	130	1587405	186.41	ug	# 72
44) Methyl cyclohexane	5.99	83	2605329	191.36	ug	91
45) 1,2-Dichloropropane	6.10	63	1258121	183.10	ug	# 60
46) Dibromomethane	6.32	174	915930	194.34	ug	97
47) Methyl Methacrylate	6.56	69	711651	180.00	ug	89
48) Bromodichloromethane	6.67	83	2081524	191.23	ug	96
49) 2-Chloroethyl vinyl ether	7.28	63	434813	143.35	ug	# 80
50) cis-1,3-Dichloropropene	7.40	75	2205020	187.63	ug	99
51) trans-1,3-Dichloropropene	8.28	75	1853133	179.57	ug	# 86

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

Data File : C:\HPCHEM\1\DATA\090811\CS202.D

Acq On : 11 Aug 2009 10:29 am

Sample : VSTD200

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 14:30 2009

Vial: 2

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Jul 22 10:43:48 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	1208941	160.66	ug	# 70
53) 1,1,2-Trichloroethane	8.52	83	738022	159.20	ug	97
54) Dibromochloromethane	9.01	129	1340885	175.70	ug	99
55) 1,2-Dibromoethane	9.09	107	1013207	167.90	ug	99
56) 4-Methyl-2-Pentanone	7.75	43	1501993	336.56	ug	# 1
58) Toluene	7.85	91	4857887	161.28	ug	# 92
59) Tetrachloroethene	8.61	164	1138813	158.23	ug	85
60) 1,3-Dichloropropane	8.72	76	1623576	176.03	ug	# 83
61) 2-Hexanone	8.98	43	1200548	378.30	ug	# 89
62) Chlorobenzene	9.79	112	3168834	169.44	ug	99
63) Ethylbenzene	10.01	106	1599008	171.39	ug	# 100
64) m,p-Xylene	10.18	91	7827229	302.70	ug	95
65) o-Xylene	10.67	106	1786172	154.23	ug	93
66) Styrene	10.71	104	2695044	192.50	ug	# 79
67) Isopropylbenzene	11.18	105	4768353	149.41	ug	96
68) 1,1,2,2-Tetrachloroethane	11.63	83	737331	139.14	ug	96
70) Bromoform	10.90	173	709845	153.82	ug	99
71) trans-1,4-Dichloro-2-buten	11.31	88	378333	182.25	ug	# 1
73) Bromobenzene	11.48	77	1738696	149.99	ug	# 77
74) 1,2,3-Trichloropropane	11.63	75	518837	126.25	ug	# 87
75) 1,1,1,2-Tetrachloroethane	9.95	133	1231684	172.26	ug	# 16
76) n-Propylbenzene	11.72	91	4700417	147.43	ug	96
77) 2-Chlorotoluene	11.77	91	3725010m	142.38	ug	
78) 4-Chlorotoluene	11.92	91	3573848	147.76	ug	98
79) n-Decane	12.09	57	1690488	164.41	ug	96
80) 1,3,5-Trimethylbenzene	11.97	105	3364154	142.27	ug	92
81) tert-Butylbenzene	12.36	119	3753538	144.30	ug	91
82) 1,2,4-Trimethylbenzene	12.43	105	3340309	146.98	ug	96
83) sec-Butylbenzene	12.64	105	4293527	142.85	ug	93
84) 1,3-Dichlorobenzene	12.71	146	1650169	141.28	ug	99
85) 1,4-Dichlorobenzene	12.84	146	1554532	142.30	ug	99
86) 4-Isopropyltoluene	12.86	119	3083705	143.65	ug	95
87) 1,2-Dichlorobenzene	13.29	146	1337176	151.01	ug	93
88) n-Butylbenzene	13.37	91	2851726	150.83	ug	97
89) 1,2-Dibromo-3-chloropropan	14.28	157	86596m	151.88	ug	
90) 1,2,4-Trichlorobenzene	15.31	180	267207m	166.82	ug	
91) Hexachlorobutadiene	15.57	225	337995	168.90	ug	98
92) Naphthalene	15.59	128	328368	114.61	ug	100
93) 1,2,3-Trichlorobenzene	15.89	180	170694m	136.34	ug	

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

CS202.D NBL9.M Tue Aug 11 16:01:45 2009

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Instrument ID: MSVOAC Calibration Date/Time: 8/14/2009 10:15

Lab File ID: CS209.D Init. Calib. Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:29 12:23

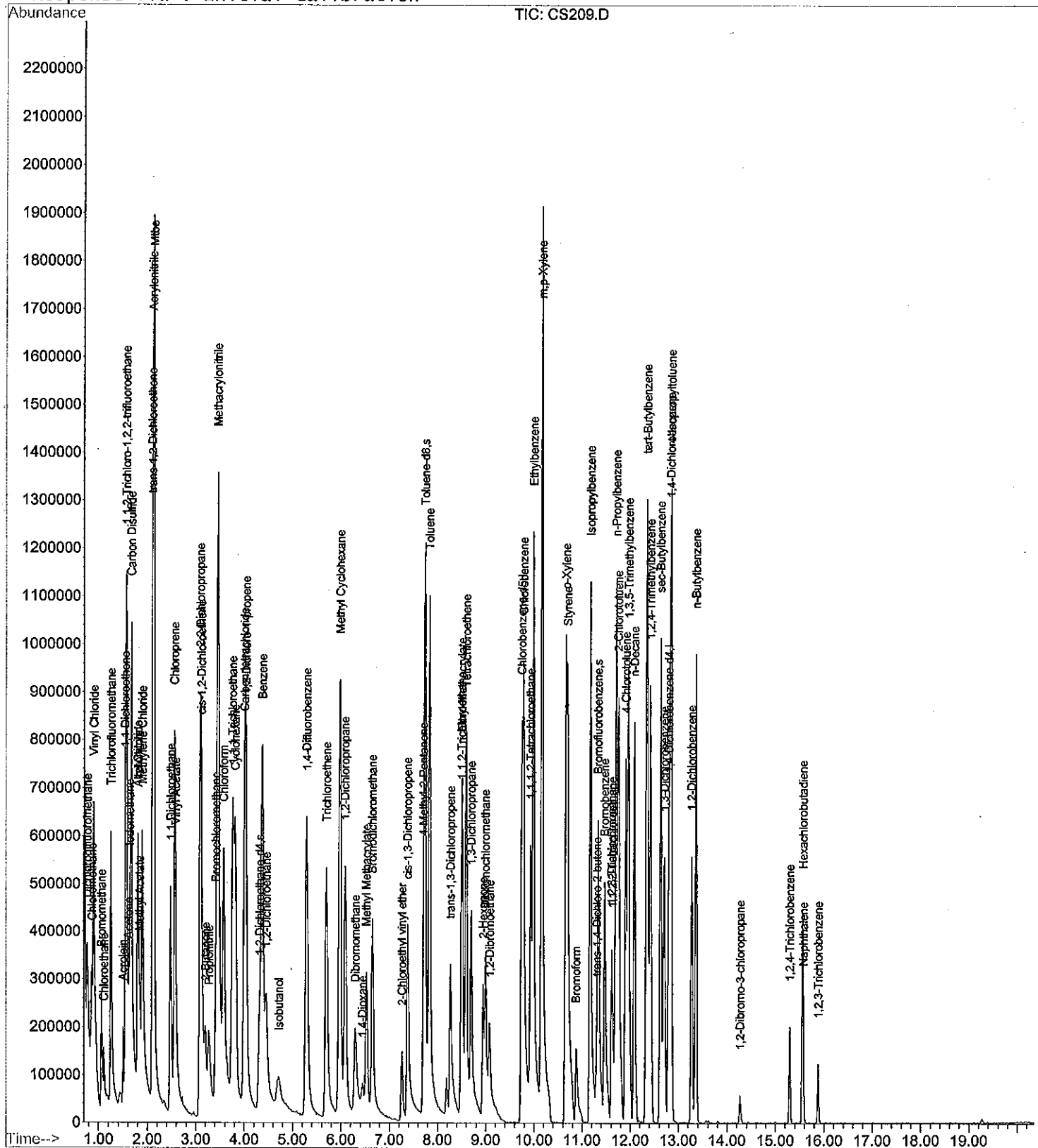
GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF	RRF	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.568	0.586	0.010	3.17	40.0
Chloromethane	0.558	0.578	0.010	3.58	40.0
Vinyl Chloride	0.507	0.561	0.100	10.65	25.0
Bromomethane	0.145	0.139	0.100	-4.14	25.0
Chloroethane	0.108	0.094	0.010	-12.96	40.0
Trichlorofluoromethane	0.474	0.589	0.010	24.26	40.0
1,1-Dichloroethene	0.245	0.264	0.100	7.76	25.0
1,1,2-Trichloro-1,2,2-tri	0.356	0.390	0.010	9.55	40.0
Carbon Disulfide	0.993	1.067	0.010	7.45	40.0
Acetone	0.073	0.094	0.010	28.77	40.0
Methyl Acetate	0.161	0.167	0.010	3.73	40.0
Methylene Chloride	0.393	0.398	0.010	1.27	40.0
trans-1,2-Dichloroethene	0.312	0.326	0.010	4.49	40.0
Mtbe	0.730	0.763	0.010	4.52	40.0
1,1-Dichloroethane	0.541	0.579	0.200	7.02	25.0
cis-1,2-Dichloroethene	0.512	0.555	0.010	8.40	40.0
Bromochloromethane	0.195	0.189	0.100	-3.08	25.0
Chloroform	0.592	0.575	0.200	-2.87	25.0
Cyclohexane	0.321	0.344	0.010	7.17	40.0
1,2-Dichloroethane	0.346	0.370	0.100	6.94	25.0
2-Butanone	0.094	0.108	0.010	14.89	40.0
Methyl Cyclohexane	1.281	1.443	0.010	12.65	40.0
1,1,1-Trichloroethane	1.388	1.549	0.100	11.60	25.0
Carbon tetrachloride	1.238	1.367	0.100	10.42	25.0
Benzene	2.687	2.820	0.500	4.95	25.0
Trichloroethene	0.772	0.859	0.300	11.27	25.0
1,2-Dichloropropane	0.649	0.675	0.010	4.01	40.0
Bromodichloromethane	0.995	1.127	0.200	13.27	25.0
cis-1,3-Dichloropropene	1.068	1.062	0.200	-0.56	25.0
trans-1,3-Dichloropropene	0.930	0.994	0.100	6.88	25.0
1,1,2-Trichloroethane	0.428	0.414	0.100	-3.27	25.0
Dibromochloromethane	0.695	0.671	0.100	-3.45	25.0
1,2-Dibromoethane	0.562	0.565	0.010	0.53	40.0
Bromoform	0.403	0.333	0.100	-17.37	25.0
4-Methyl-2-Pentanone	0.472	0.482	0.010	2.12	40.0
Toluene	2.684	2.701	0.400	0.63	25.0
Tetrachloroethene	0.613	0.644	0.200	5.06	25.0
2-Hexanone	0.360	0.381	0.010	5.83	40.0
Chlorobenzene	1.645	1.701	0.500	3.40	25.0
Ethylbenzene	0.855	0.819	0.100	-4.21	25.0
m,p-Xylene	2.276	2.249	0.010	-1.19	40.0

Data File : C:\HPCHEM\1\DATA\090814\CS209.D
Acq On : 14 Aug 2009 10:15 am
Sample : VSTD050
Misc :
MS Integration Params: LSCINT.P
Quant Time: Aug 14 10:37 2009

Quant Results File: NBL9.RES

```
Method       : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title        : Voa NBL Plus Calibration
Last Update  : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration
```



Data File : C:\HPCHEM\1\DATA\090814\CS209.D

Acq On : 14 Aug 2009 10:15 am

Sample : VSTD050

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 14 10:37 2009

Vial: 2

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1145582	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	461551	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	424402	50.00	ug	-0.02

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.32	65	322292	51.06	ug	-0.02
57) Toluene-d8	7.74	98	1199698	53.60	ug	-0.01
72) Bromofluorobenzene	11.32	95	379114	57.97	ug	-0.02

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.77	85	671368	51.60	ug	91
3) Chloromethane	0.87	50	662300	51.83	ug	98
4) Vinyl chloride	0.90	62	642365	55.29	ug	97
5) Bromomethane	1.06	96	158951	47.84	ug	90
6) Chloroethane	1.11	64	107984m	52.65	ug	
7) Trichlorofluoromethane	1.25	101	674867	62.12	ug	98
8) Acrolein	1.50	56	141393	198.89	ug	91
9) 1,1-Dichloroethene	1.55	96	302455	53.92	ug	81
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	446639	54.80	ug	# 66
11) Iodomethane	1.64	142	652946	53.22	ug	89
12) Carbon Disulfide	1.67	76	1221886	53.71	ug	95
13) Acetone	1.61	43	215959m	128.53	ug	
14) Methyl Acetate	1.84	43	191600	51.95	ug	93
15) Allyl chloride	1.81	41	681163	51.57	ug	# 89
16) Methylene chloride	1.90	49	455868	50.67	ug	89
17) trans-1,2-Dichloroethene	2.10	96	373437	52.28	ug	93
18) Acrylonitrile	2.11	53	374644	207.36	ug	94
19) Mtbe	2.13	73	1749091	104.55	ug	91
21) 1,1-Dichloroethane	2.48	63	663671	53.51	ug	99
22) Chloroprene	2.56	53	586273	55.60	ug	91
23) Vinyl Acetate	2.58	43	543353	50.70	ug	97
24) cis-1,2-Dichloroethene	3.11	61	635950	54.25	ug	# 70
25) 2,2-Dichloropropane	3.09	77	788291	55.44	ug	98
26) Acetonitrile	1.81	41	681163	515.70	ug	# 100
27) Propionitrile	3.27	54	326554	492.16	ug	100
28) Bromochloromethane	3.42	49	216738	48.60	ug	95
29) Methacrylonitrile	3.45	67	806315	469.40	ug	83
30) chloroform	3.58	83	658704	48.59	ug	99
31) 1,2-Dichloro-1-propene	4.04	75	525765	51.77	ug	87
33) 1,2-Dichloroethane	4.46	62	423564	53.45	ug	# 80
34) 2-Butanone	3.20	43	248245	115.46	ug	99
35) 1,4-Dioxane	6.44	88	75183	1133.11	ug	97
37) 1,1,1-Trichloroethane	3.76	97	714933	55.80	ug	99
38) Cyclohexane	3.81	84	393674	56.25	ug	87
39) Carbon tetrachloride	4.01	117	631031	55.23	ug	98
40) Benzene	4.38	78	1301735	52.47	ug	# 66
41) Isobutanol	4.72	43	145843	1011.49	ug	# 79
43) Trichloroethene	5.70	130	396482	55.66	ug	# 71
44) Methyl cyclohexane	5.98	83	666021	56.32	ug	93
45) 1,2-Dichloropropane	6.08	63	311524	52.02	ug	# 65
46) Dibromomethane	6.29	174	209640	50.66	ug	94
47) Methyl Methacrylate	6.52	69	193215	54.19	ug	91
48) Bromodichloromethane	6.64	83	520115	56.64	ug	95
49) 2-Chloroethyl vinyl ether	7.26	63	112518	59.59	ug	# 79
50) cis-1,3-Dichloropropene	7.38	75	489943	49.68	ug	100
51) trans-1,3-Dichloropropene	8.27	75	458667	53.41	ug	# 84

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

CS209.D NBL9.M Tue Sep 01 11:48:33 2009

Data File : C:\HPCHEM\1\DATA\090814\CS209.D

Vial: 2

Acq On : 14 Aug 2009 10:15 am

Operator:

Sample : VSTD050

Inst : GCMS-C

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 14 10:37 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METHOC

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.50	69	344794	51.64	ug	# 72
53) 1,1,2-Trichloroethane	8.49	83	190912	48.27	ug	99
54) Dibromochloromethane	8.99	129	309910	48.32	ug	100
55) 1,2-Dibromoethane	9.08	107	260971	50.27	ug	95
56) 4-Methyl-2-Pentanone	7.70	43	444604	102.11	ug	# 1
58) Toluene	7.83	91	1246470	50.31	ug	# 93
59) Tetrachloroethene	8.59	164	297270	52.54	ug	87
60) 1,3-Dichloropropane	8.70	76	416335	51.27	ug	# 83
61) 2-Hexanone	8.94	43	351435	105.72	ug	# 84
62) Chlorobenzene	9.78	112	785321	51.72	ug	99
63) Ethylbenzene	9.98	106	377927	47.91	ug	# 100
64) m,p-Xylene	10.15	91	2076029	98.82	ug	89
65) o-Xylene	10.66	106	453172	47.63	ug	85
66) Styrene	10.69	104	685658	59.50	ug	# 77
67) Isopropylbenzene	11.17	105	1241610	47.61	ug	93
68) 1,1,2,2-Tetrachloroethane	11.62	83	187760	42.51	ug	95
70) Bromoform	10.87	173	153608	47.47	ug	97
71) trans-1,4-Dichloro-2-buten	11.30	88	78441	49.09	ug	# 1
73) Bromobenzene	11.46	77	420549	49.96	ug	# 79
74) 1,2,3-Trichloropropane	11.61	75	121948	42.46	ug	# 87
75) 1,1,1,2-Tetrachloroethane	9.93	133	288922	58.73	ug	# 22
76) n-Propylbenzene	11.70	91	1260507	53.62	ug	97
77) 2-Chlorotoluene	11.74	91	991392m	54.74	ug	
78) 4-Chlorotoluene	11.90	91	865123	49.24	ug	99
79) n-Decane	12.08	57	405867	53.58	ug	96
80) 1,3,5-Trimethylbenzene	11.95	105	820484	50.08	ug	89
81) tert-Butylbenzene	12.34	119	922379	49.65	ug	90
82) 1,2,4-Trimethylbenzene	12.41	105	792181	49.83	ug	92
83) sec-Butylbenzene	12.62	105	1056589	49.21	ug	97
84) 1,3-Dichlorobenzene	12.70	146	381581	45.22	ug	98
85) 1,4-Dichlorobenzene	12.82	146	379685	47.84	ug	98
86) 4-Isopropyltoluene	12.83	119	752556	48.64	ug	93
87) 1,2-Dichlorobenzene	13.26	146	340258	48.46	ug	91
88) n-Butylbenzene	13.35	91	738257	46.08	ug	93
89) 1,2-Dibromo-3-chloropropan	14.27	157	17572	37.14	ug	# 63
90) 1,2,4-Trichlorobenzene	15.29	180	68298	41.82	ug	# 82
91) Hexachlorobutadiene	15.56	225	96389	51.57	ug	96
92) Naphthalene	15.57	128	92119	42.98	ug	100
93) 1,2,3-Trichlorobenzene	15.88	180	40355	44.71	ug	95

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

CS209.D NBL9.M Tue Sep 01 11:48:35 2009

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Instrument ID: MSVOAC Calibration Date/Time: 8/17/2009 12:14

Lab File ID: CS210.D Init. Calib. Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF	RRF	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.568	0.482	0.010	-15.14	40.0
Chloromethane	0.558	0.495	0.010	-11.29	40.0
Vinyl Chloride	0.507	0.448	0.100	-11.64	25.0
Bromomethane	0.145	0.164	0.100	13.10	25.0
Chloroethane	0.108	0.081	0.010	-25.00	40.0
Trichlorofluoromethane	0.474	0.542	0.010	14.35	40.0
1,1-Dichloroethene	0.245	0.238	0.100	-2.86	25.0
1,1,2-Trichloro-1,2,2-tri	0.356	0.358	0.010	0.56	40.0
Carbon Disulfide	0.993	0.873	0.010	-12.08	40.0
Acetone	0.073	0.078	0.010	6.85	40.0
Methyl Acetate	0.161	0.156	0.010	-3.11	40.0
Methylene Chloride	0.393	0.393	0.010	0.00	40.0
trans-1,2-Dichloroethene	0.312	0.331	0.010	6.09	40.0
Mtbe	0.730	0.821	0.010	12.47	40.0
1,1-Dichloroethane	0.541	0.527	0.200	-2.59	25.0
cis-1,2-Dichloroethene	0.512	0.566	0.010	10.55	40.0
Bromochloromethane	0.195	0.203	0.100	4.10	25.0
Chloroform	0.592	0.551	0.200	-6.93	25.0
Cyclohexane	0.321	0.310	0.010	-3.43	40.0
1,2-Dichloroethane	0.346	0.342	0.100	-1.16	25.0
2-Butanone	0.094	0.095	0.010	1.06	40.0
Methyl Cyclohexane	1.281	1.429	0.010	11.55	40.0
1,1,1-Trichloroethane	1.388	1.470	0.100	5.91	25.0
Carbon tetrachloride	1.238	1.182	0.100	-4.52	25.0
Benzene	2.687	2.604	0.500	-3.09	25.0
Trichloroethene	0.772	0.767	0.300	-0.65	25.0
1,2-Dichloropropane	0.649	0.620	0.010	-4.47	40.0
Bromodichloromethane	0.995	1.077	0.200	8.24	25.0
cis-1,3-Dichloropropene	1.068	1.202	0.200	12.55	25.0
trans-1,3-Dichloropropene	0.930	1.016	0.100	9.25	25.0
1,1,2-Trichloroethane	0.428	0.469	0.100	9.58	25.0
Dibromochloromethane	0.695	0.763	0.100	9.78	25.0
1,2-Dibromoethane	0.562	0.572	0.010	1.78	40.0
Bromoform	0.403	0.376	0.100	-6.70	25.0
4-Methyl-2-Pentanone	0.472	0.504	0.010	6.78	40.0
Toluene	2.684	2.778	0.400	3.50	25.0
Tetrachloroethene	0.613	0.682	0.200	11.26	25.0
2-Hexanone	0.360	0.334	0.010	-7.22	40.0
Chlorobenzene	1.645	1.744	0.500	6.02	25.0
Ethylbenzene	0.855	0.870	0.100	1.75	25.0
m,p-Xylene	2.276	2.370	0.010	4.13	40.0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Instrument ID: MSVOAC Calibration Date/Time: 8/17/2009 12:14

Lab File ID: CS210.D Init. Calib. Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF	RRF	MIN RRF	%D	MAX%D
o-Xylene	1.031	1.077	0.300	4.46	25.0
Styrene	1.434	1.554	0.300	8.37	25.0
Isopropylbenzene	2.825	2.965	0.010	4.96	40.0
1,1,2,2-Tetrachloroethane	0.479	0.450	0.300	-6.05	25.0
1,3-Dichlorobenzene	0.994	0.968	0.600	-2.62	25.0
1,4-Dichlorobenzene	0.935	0.936	0.500	0.11	25.0
1,2-Dichlorobenzene	0.827	0.868	0.400	5.08	25.0
1,2-Dibromo-3-chloropropa	0.056	0.047	0.010	-16.07	40.0
1,2,4-Trichlorobenzene	0.192	0.167	0.200	-13.02	25.0
1,2-Dichloroethane-d4	0.275	0.249	0.010	-9.45	40.0
Toluene-d8	2.425	2.406	0.010	-0.78	40.0
Bromofluorobenzene	0.770	0.856	0.200	11.17	25.0

All other compounds must meet a minimum RRF of 0.010.

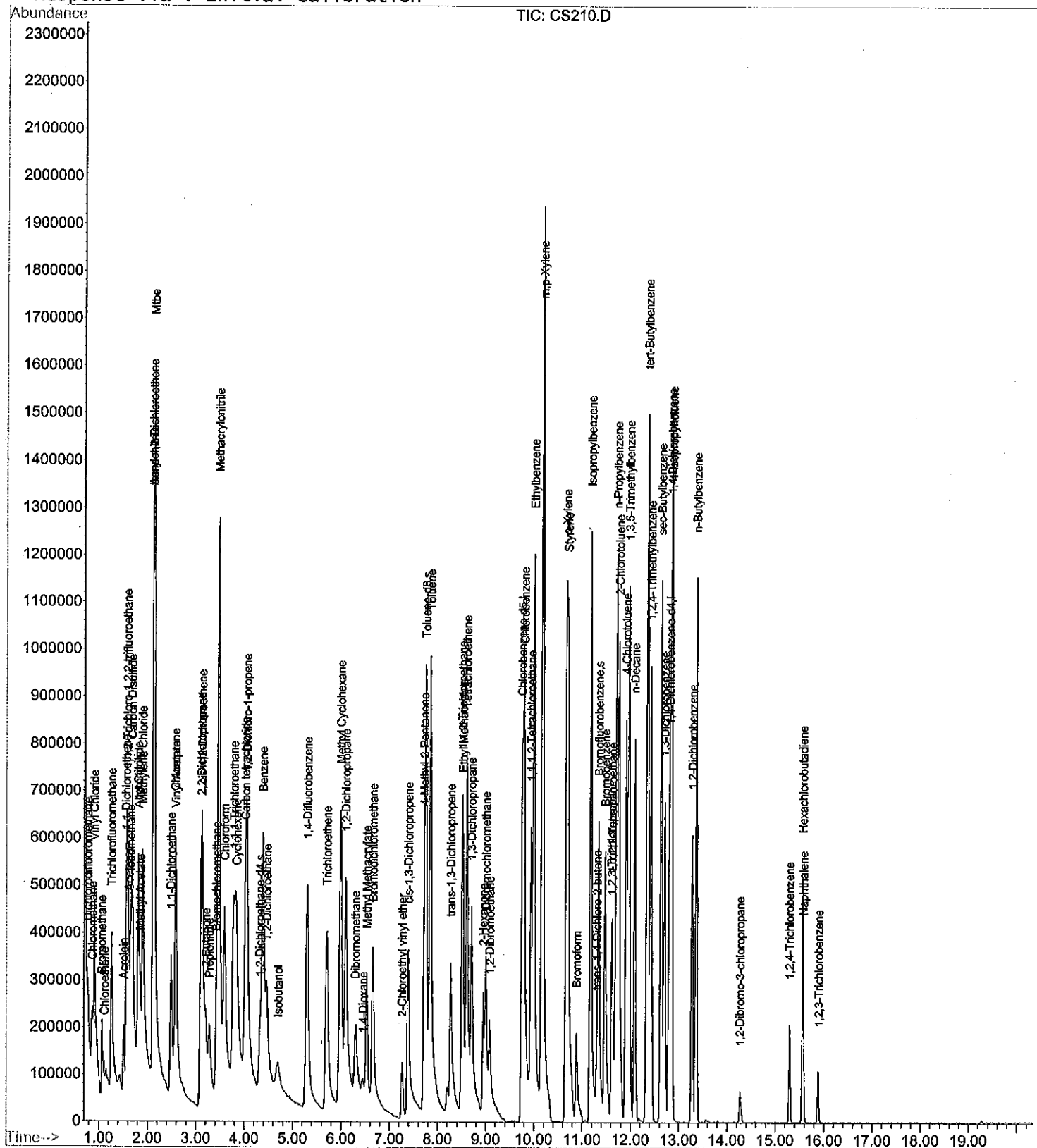
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\CS210.D
Acq On : 17 Aug 2009 12:14 pm
Sample : VSTD050
Misc :
MS Integration Params: LSCINT.P
Quant Time: Aug 17 12:38 2009

vial: 2
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

```
Method       : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title        : Voa NBL Plus Calibration
Last Update  : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration
```



Data File : C:\HPCHEM\1\DATA\090817\CS210.D

Vial: 2

Acq On : 17 Aug 2009 12:14 pm

Operator:

Sample : VSTD050

Inst : GCMS-C

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 12:38 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METHOC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1032647	50.00	ug	-0.01
36) Chlorobenzene-d5	9.74	82	466124	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.80	150	435096	50.00	ug	-0.01

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.32	65	257222	45.21	ug	-0.02
57) Toluene-d8	7.75	98	1121694	49.62	ug	0.00
72) Bromofluorobenzene	11.33	95	372351	55.54	ug	-0.01

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.77	85	498188	42.47	ug	92
3) Chloromethane	0.87	50	510994m	44.37	ug	
4) Vinyl Chloride	0.90	62	462170	44.13	ug	96
5) Bromomethane	1.06	96	169107m	56.46	ug	
6) Chloroethane	1.12	64	83189m	45.00	ug	
7) Trichlorofluoromethane	1.26	101	559651	57.15	ug	96
8) Acrolein	1.51	56	125645	196.07	ug	96
9) 1,1-Dichloroethene	1.56	96	246285	48.71	ug	77
10) 1,1,2-Trichloro-1,2,2-trif	1.58	101	369696	50.32	ug	# 63
11) Iodomethane	1.65	142	527829	47.73	ug	88
12) Carbon Disulfide	1.68	76	901170	43.95	ug	94
13) Acetone	1.61	43	161862	106.87	ug	# 85
14) Methyl Acetate	1.85	43	161469	48.57	ug	97
15) Allyl Chloride	1.80	41	593738	49.87	ug	# 37
16) Methylene Chloride	1.90	49	405658	50.02	ug	96
17) trans-1,2-Dichloroethene	2.11	96	341683	53.07	ug	87
18) Acrylonitrile	2.11	53	369994	227.19	ug	97
19) Mtbe	2.13	73	1696281	112.49	ug	91
21) 1,1-Dichloroethane	2.48	63	544709	48.72	ug	97
22) Chloroprene	2.57	53	477650	50.26	ug	92
23) Vinyl Acetate	2.58	43	545297	56.45	ug	96
24) cis-1,2-Dichloroethene	3.12	61	584253	55.29	ug	# 66
25) 2,2-Dichloropropane	3.10	77	666271	51.98	ug	97
26) Acetonitrile	1.80	41	593738	498.68	ug	# 100
27) Propionitrile	3.27	54	309353	517.22	ug	100
28) Bromochloromethane	3.42	49	209858	52.21	ug	# 89
29) Methacrylonitrile	3.46	67	754012	486.96	ug	# 85
30) chloroform	3.59	83	568870	46.56	ug	98
31) 1,2-Dichloro-1-propene	4.05	75	445369	48.65	ug	# 89
33) 1,2-Dichloroethane	4.47	62	352965	49.41	ug	# 82
34) 2-Butanone	3.20	43	196773	101.53	ug	97
35) 1,4-Dioxane	6.45	88	52849	883.62	ug	98
37) 1,1,1-Trichloroethane	3.78	97	685279	52.96	ug	93
38) Cyclohexane	3.83	84	320505	45.35	ug	96
39) Carbon tetrachloride	4.01	117	550956	47.75	ug	99
40) Benzene	4.39	78	1213980	48.46	ug	# 72
41) Isobutanol	4.70	43	127381	874.78	ug	# 89
43) Trichloroethene	5.71	130	357521	49.70	ug	# 69
44) Methyl cyclohexane	5.99	83	666221	55.78	ug	# 79
45) 1,2-Dichloropropane	6.09	63	289040	47.79	ug	# 66
46) Dibromomethane	6.29	174	184754	44.21	ug	87
47) Methyl Methacrylate	6.53	69	180398	50.10	ug	91
48) Bromodichloromethane	6.65	83	502201	54.15	ug	99
49) 2-Chloroethyl vinyl ether	7.26	63	80181	42.05	ug	# 83
50) cis-1,3-Dichloropropene	7.39	75	560065	56.24	ug	92
51) trans-1,3-Dichloropropene	8.27	75	473796	54.63	ug	# 82

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

CS210.D NBL9.M Tue Sep 01 11:51:42 2009

Data File : C:\HPCHEM\1\DATA\090817\CS210.D
 Acq On : 17 Aug 2009 12:14 pm
 Sample : VSTD050
 Misc :

Vial: 2
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 12:38 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METHOC

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.51	69	350046	51.91	ug	# 72
53) 1,1,2-Trichloroethane	8.50	83	218695	54.75	ug	94
54) Dibromochloromethane	9.00	129	355588	54.89	ug	97
55) 1,2-Dibromoethane	9.08	107	266614	50.85	ug	99
56) 4-Methyl-2-Pentanone	7.71	43	470027	106.89	ug	# 1
58) Toluene	7.84	91	1295044	51.76	ug	# 94
59) Tetrachloroethene	8.59	164	317825	55.62	ug	85
60) 1,3-Dichloropropane	8.69	76	406328	49.54	ug	# 77
61) 2-Hexanone	8.94	43	310937	92.62	ug	# 88
62) Chlorobenzene	9.79	112	812991	53.02	ug	100
63) Ethylbenzene	9.99	106	405469	50.90	ug	# 100
64) m,p-Xylene	10.16	91	2209173	104.12	ug	89
65) o-Xylene	10.66	106	502093	52.25	ug	86
66) Styrene	10.69	104	724224	62.23	ug	# 75
67) Isopropylbenzene	11.16	105	1382038	52.47	ug	93
68) 1,1,2,2-Tetrachloroethane	11.61	83	209661	47.00	ug	96
70) Bromoform	10.88	173	175224	52.81	ug	98
71) trans-1,4-Dichloro-2-buten	11.30	88	81049	49.47	ug	# 1
73) Bromobenzene	11.47	77	468493	54.29	ug	# 80
74) 1,2,3-Trichloropropane	11.60	75	144110	48.94	ug	# 87
75) 1,1,1,2-Tetrachloroethane	9.93	133	306210	60.71	ug	# 22
76) n-Propylbenzene	11.71	91	1356001	56.27	ug	98
77) 2-Chlorotoluene	11.75	91	966817m	52.07	ug	
78) 4-Chlorotoluene	11.90	91	971922	53.95	ug	99
79) n-Decane	12.08	57	368793	47.49	ug	97
80) 1,3,5-Trimethylbenzene	11.95	105	916377	54.56	ug	89
81) tert-Butylbenzene	12.34	119	1031734	54.17	ug	88
82) 1,2,4-Trimethylbenzene	12.40	105	875629	53.72	ug	92
83) sec-Butylbenzene	12.62	105	1207600	54.86	ug	97
84) 1,3-Dichlorobenzene	12.70	146	421280	48.70	ug	97
85) 1,4-Dichlorobenzene	12.82	146	407040	50.03	ug	97
86) 4-Isopropyltoluene	12.84	119	859517	54.18	ug	93
87) 1,2-Dichlorobenzene	13.27	146	377881	52.49	ug	92
88) n-Butylbenzene	13.35	91	828900	50.47	ug	93
89) 1,2-Dibromo-3-chloropropan	14.26	157	20286	41.82	ug	# 59
90) 1,2,4-Trichlorobenzene	15.29	180	72590	43.36	ug	# 78
91) Hexachlorobutadiene	15.56	225	103589	54.06	ug	97
92) Naphthalene	15.57	128	95858	43.62	ug	100
93) 1,2,3-Trichlorobenzene	15.89	180	41160	44.48	ug	98

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

CS210.D NBL9.M Tue Sep 01 11:51:43 2009

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Instrument ID: MSVOAC Calibration Date/Time: 8/20/2009 12:54

Lab File ID: CS217.D Init. Calib. Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF	RRF	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.568	0.468	0.010	-17.61	40.0
Chloromethane	0.558	0.490	0.010	-12.19	40.0
Vinyl Chloride	0.507	0.474	0.100	-6.51	25.0
Bromomethane	0.145	0.138	0.100	-4.83	25.0
Chloroethane	0.108	0.111	0.010	2.78	40.0
Trichlorofluoromethane	0.474	0.523	0.010	10.34	40.0
1,1-Dichloroethene	0.245	0.238	0.100	-2.86	25.0
1,1,2-Trichloro-1,2,2-tri	0.356	0.361	0.010	1.40	40.0
Carbon Disulfide	0.993	1.013	0.010	2.01	40.0
Acetone	0.073	0.064	0.010	-12.33	40.0
Methyl Acetate	0.161	0.159	0.010	-1.24	40.0
Methylene Chloride	0.393	0.405	0.010	3.05	40.0
trans-1,2-Dichloroethene	0.312	0.298	0.010	-4.49	40.0
Mtbe	0.730	0.729	0.010	-0.14	40.0
1,1-Dichloroethane	0.541	0.562	0.200	3.88	25.0
cis-1,2-Dichloroethene	0.512	0.526	0.010	2.73	40.0
Bromochloromethane	0.195	0.185	0.100	-5.13	25.0
Chloroform	0.592	0.540	0.200	-8.78	25.0
Cyclohexane	0.321	0.325	0.010	1.25	40.0
1,2-Dichloroethane	0.346	0.337	0.100	-2.60	25.0
2-Butanone	0.094	0.092	0.010	-2.13	40.0
Methyl Cyclohexane	1.281	1.328	0.010	3.67	40.0
1,1,1-Trichloroethane	1.388	1.312	0.100	-5.48	25.0
Carbon tetrachloride	1.238	1.173	0.100	-5.25	25.0
Benzene	2.687	2.687	0.500	0.00	25.0
Trichloroethene	0.772	0.780	0.300	1.04	25.0
1,2-Dichloropropane	0.649	0.629	0.010	-3.08	40.0
Bromodichloromethane	0.995	1.001	0.200	0.60	25.0
cis-1,3-Dichloropropene	1.068	1.131	0.200	5.90	25.0
trans-1,3-Dichloropropene	0.930	0.929	0.100	-0.11	25.0
1,1,2-Trichloroethane	0.428	0.407	0.100	-4.91	25.0
Dibromochloromethane	0.695	0.682	0.100	-1.87	25.0
1,2-Dibromoethane	0.562	0.557	0.010	-0.89	40.0
Bromoform	0.403	0.337	0.100	-16.38	25.0
4-Methyl-2-Pentanone	0.472	0.489	0.010	3.60	40.0
Toluene	2.684	2.630	0.400	-2.01	25.0
Tetrachloroethene	0.613	0.604	0.200	-1.47	25.0
2-Hexanone	0.360	0.353	0.010	-1.94	40.0
Chlorobenzene	1.645	1.636	0.500	-0.55	25.0
Ethylbenzene	0.855	0.782	0.100	-8.54	25.0
m,p-Xylene	2.276	2.096	0.010	-7.91	40.0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AES, Inc. Contract: ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent
 Instrument ID: MSVOAC Calibration Date/Time: 8/20/2009 12:54
 Lab File ID: CS217.D Init. Calib. Date(s): 8/11/2009 8/11/2009
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:29 12:23
 GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF	RRF	MIN RRF	%D	MAX%D
o-Xylene	1.031	0.939	0.300	-8.92	25.0
Styrene	1.434	1.474	0.300	2.79	25.0
Isopropylbenzene	2.825	2.476	0.010	-12.35	40.0
1,1,2,2-Tetrachloroethane	0.479	0.371	0.300	-22.55	25.0
1,3-Dichlorobenzene	0.994	0.847	0.600	-14.79	25.0
1,4-Dichlorobenzene	0.935	0.826	0.500	-11.66	25.0
1,2-Dichlorobenzene	0.827	0.685	0.400	-17.17	25.0
1,2-Dibromo-3-chloropropa	0.056	0.034	0.010	-39.29	40.0
1,2,4-Trichlorobenzene	0.192	0.109	0.200	-43.23	25.0
1,2-Dichloroethane-d4	0.275	0.278	0.010	1.09	40.0
Toluene-d8	2.425	2.348	0.010	-3.18	40.0
Bromofluorobenzene	0.770	0.869	0.200	12.86	25.0

All other compounds must meet a minimum RRF of 0.010.

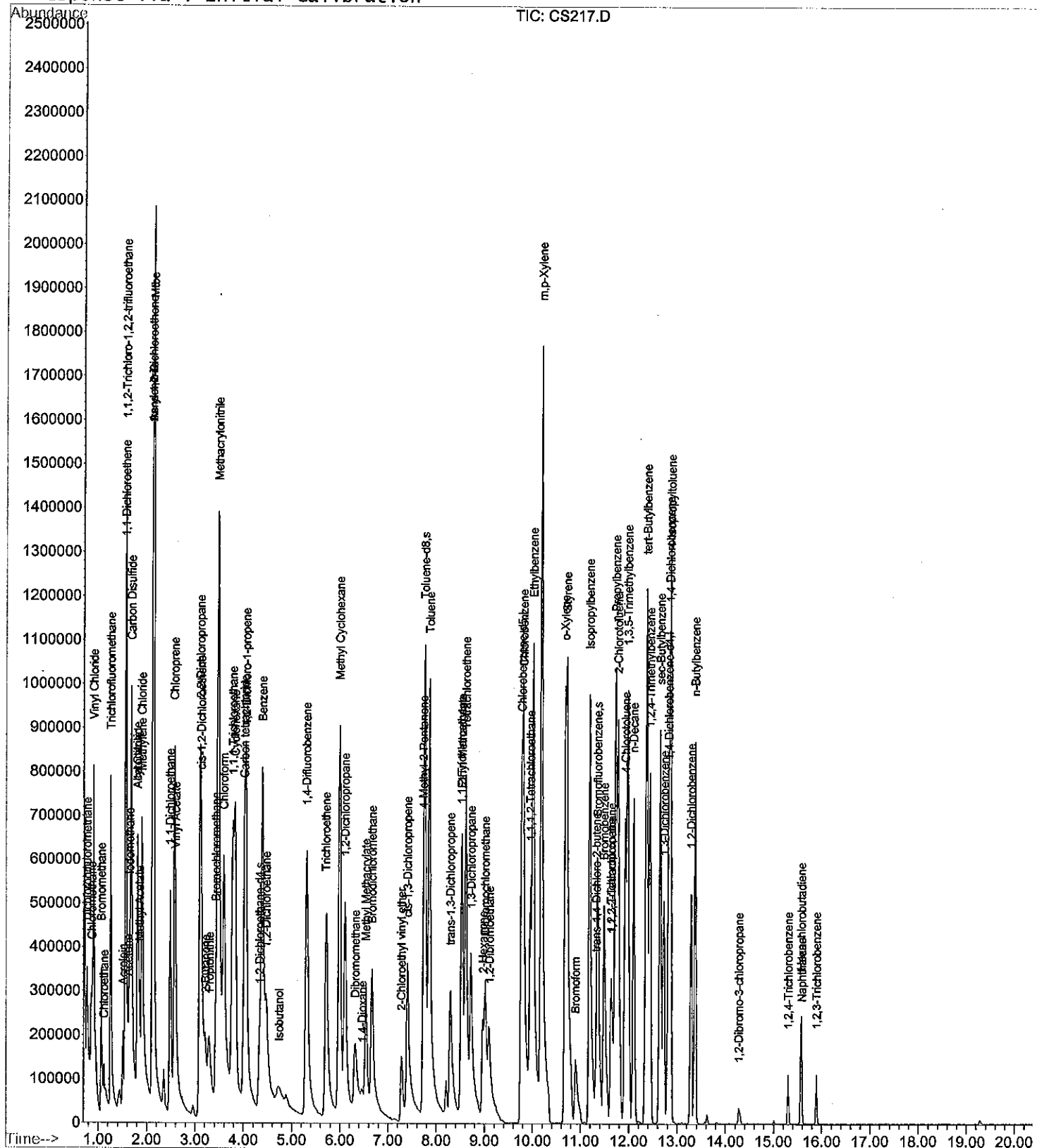
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090820\CS217.D
Acq On : 20 Aug 2009 12:54 pm
Sample : VSTD050
Misc :
MS Integration Params: LSCINT.P
Quant Time: Aug 20 13:25 2009

Vial: 8
Operator:
Inst : GCMS-C
Multiplier: 1.00

Quant Results File: NBL9.RES

```
Method       : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title        : Voa NBL Plus Calibration
Last Update  : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration
```



Data File : C:\HPCHEM\1\DATA\090820\CS217.D
 Acq On : 20 Aug 2009 12:54 pm
 Sample : VSTD050
 Misc :

Vial: 8
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P
 Quant Time: Aug 20 13:25 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Tue Aug 18 10:05:55 2009
 Response via : Initial Calibration
 DataAcq Meth : METHOC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1316173	50.00	ug	-0.01
36) Chlorobenzene-d5	9.77	82	546048	50.00	ug	0.01
69) 1,4-Dichlorobenzene-d4	12.81	150	463422	50.00	ug	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	4.33	65	366505	50.54	ug	-0.01
57) Toluene-d8	7.75	98	1281915	48.41	ug	0.00
72) Bromofluorobenzene	11.34	95	402929	56.42	ug	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.77	85	616323	41.23	ug	91
3) Chloromethane	0.87	50	645270	43.96	ug	98
4) Vinyl Chloride	0.90	62	623703	46.72	ug	96
5) Bromomethane	1.06	96	182025	47.68	ug	92
6) Chloroethane	1.12	64	145592	51.12	ug	90
7) Trichlorofluoromethane	1.25	101	688204	55.13	ug	98
8) Acrolein	1.51	56	154563	189.24	ug	97
9) 1,1-Dichloroethene	1.56	96	313857	48.70	ug	# 63
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	475770	50.81	ug	# 66
11) Iodomethane	1.65	142	619101	43.92	ug	91
12) Carbon Disulfide	1.68	76	1332717	50.99	ug	92
13) Acetone	1.61	43	169731	87.92	ug	98
14) Methyl Acetate	1.85	43	209696	49.49	ug	97
15) Allyl Chloride	1.81	41	736162	48.51	ug	96
16) Methylene Chloride	1.90	49	532457	51.52	ug	90
17) trans-1,2-Dichloroethene	2.11	96	392093	47.78	ug	93
18) Acrylonitrile	2.11	53	433676	208.92	ug	96
19) Mtbe	2.13	73	1918049	99.79	ug	93
21) 1,1-Dichloroethane	2.48	63	739266	51.88	ug	97
22) Chloroprene	2.57	53	642362	53.03	ug	91
23) Vinyl Acetate	2.59	43	657380	53.39	ug	97
24) cis-1,2-Dichloroethene	3.12	61	692263	51.40	ug	# 77
25) 2,2-Dichloropropane	3.10	77	793108	48.55	ug	99
26) Acetonitrile	1.81	41	736162	485.11	ug	# 100
27) Propionitrile	3.29	54	387524	508.35	ug	100
28) Bromochloromethane	3.43	49	244120	47.65	ug	# 90
29) Methacrylonitrile	3.47	67	1003154	508.30	ug	# 88
30) Chloroform	3.59	83	711391	45.68	ug	97
31) 1,2-Dichloro-1-propene	4.05	75	552141	47.32	ug	91
33) 1,2-Dichloroethane	4.47	62	443112	48.67	ug	# 83
34) 2-Butanone	3.21	43	241686	97.84	ug	98
35) 1,4-Dioxane	6.46	88	66929	877.97	ug	90
37) 1,1,1-Trichloroethane	3.78	97	716603	47.28	ug	99
38) Cyclohexane	3.82	84	427493	51.63	ug	89
39) Carbon tetrachloride	4.02	117	640440	47.38	ug	97
40) Benzene	4.39	78	1467503	50.00	ug	# 70
41) Isobutanol	4.74	43	137408	805.52	ug	# 78
43) Trichloroethene	5.71	130	425820	50.53	ug	# 69
44) Methyl Cyclohexane	5.99	83	725181	51.83	ug	90
45) 1,2-Dichloropropane	6.10	63	343516	48.48	ug	# 68
46) Dibromomethane	6.32	174	244909	50.03	ug	98
47) Methyl Methacrylate	6.54	69	216614	51.35	ug	91
48) Bromodichloromethane	6.67	83	546538	50.31	ug	97
49) 2-Chloroethyl vinyl ether	7.27	63	119043m	53.29	ug	
50) cis-1,3-Dichloropropene	7.40	75	617440	52.92	ug	100
51) trans-1,3-Dichloropropene	8.29	75	507193	49.92	ug	90

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

Data File : C:\HPCHEM\1\DATA\090820\CS217.D

Acq On : 20 Aug 2009 12:54 pm

Sample : VSTD050

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 20 13:25 2009

Vial: 8

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 18 10:05:55 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	400862	50.75	ug	# 74
53) 1,1,2-Trichloroethane	8.51	83	222231	47.49	ug	94
54) Dibromochloromethane	9.01	129	372181	49.05	ug	96
55) 1,2-Dibromoethane	9.10	107	303994	49.49	ug	98
56) 4-Methyl-2-Pentanone	7.72	43	533767	103.62	ug	# 1
58) Toluene	7.85	91	1435927	48.99	ug	95
59) Tetrachloroethene	8.60	164	329548	49.23	ug	86
60) 1,3-Dichloropropane	8.72	76	479706	49.93	ug	# 85
61) 2-Hexanone	8.97	43	385142	97.93	ug	# 89
62) Chlorobenzene	9.80	112	893489	49.74	ug	97
63) Ethylbenzene	10.00	106	426996	45.76	ug	# 100
64) m,p-Xylene	10.17	91	2289435	92.11	ug	91
65) o-Xylene	10.67	106	512627	45.54	ug	87
66) Styrene	10.70	104	804679	59.02	ug	# 82
67) Isopropylbenzene	11.18	105	1352203	43.83	ug	95
68) 1,1,2,2-Tetrachloroethane	11.64	83	202565	38.76	ug	97
70) Bromoform	10.89	173	184266	52.15	ug	98
71) trans-1,4-Dichloro-2-buten	11.32	88	90370	51.79	ug	# 1
73) Bromobenzene	11.48	77	474054	51.57	ug	# 76
74) 1,2,3-Trichloropropane	11.63	75	138460	44.15	ug	# 87
75) 1,1,1,2-Tetrachloroethane	9.95	133	309550	57.62	ug	# 24
76) n-Propylbenzene	11.72	91	1227086	47.81	ug	96
77) 2-Chlorotoluene	11.76	91	1063249m	53.76	ug	
78) 4-Chlorotoluene	11.92	91	943695	49.19	ug	98
79) n-Decane	12.09	57	388134	46.93	ug	97
80) 1,3,5-Trimethylbenzene	11.96	105	881177	49.26	ug	91
81) tert-Butylbenzene	12.36	119	964762	47.56	ug	91
82) 1,2,4-Trimethylbenzene	12.43	105	835583	48.13	ug	94
83) sec-Butylbenzene	12.64	105	1081906	46.14	ug	96
84) 1,3-Dichlorobenzene	12.72	146	392674	42.62	ug	100
85) 1,4-Dichlorobenzene	12.83	146	382994	44.19	ug	98
86) 4-Isopropyltoluene	12.86	119	756637	44.78	ug	94
87) 1,2-Dichlorobenzene	13.28	146	317254	41.38	ug	92
88) n-Butylbenzene	13.36	91	694087	39.67	ug	94
89) 1,2-Dibromo-3-chloropropan	14.28	157	15585m	30.17	ug	
90) 1,2,4-Trichlorobenzene	15.30	180	50447m	28.29	ug	
91) Hexachlorobutadiene	15.57	225	44694m	21.90	ug	
92) Naphthalene	15.58	128	92017	39.31	ug	100
93) 1,2,3-Trichlorobenzene	15.89	180	39376	39.95	ug	97

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent
 Lab File ID: CS209.D Date Analyzed: 8/14/2009
 Instrument ID: MSVOAC Time Analyzed: 10:15
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1145582	5.29	461551	9.74	424402	12.79
UPPER LIMIT	2291164	5.79	923102	10.24	848804	13.29
LOWER LIMIT	572791	4.79	230776	9.24	212201	12.29
SAMPLE NO.						
VSTD050	1145582	5.29	461551	9.74	424402	12.79
VBLK01	1327267	5.29	567977	9.74	577658	12.79
Trip Blank	1414445	5.28	593984	9.73	599947	12.79
MW-4	1333266	5.29	571540	9.74	563746	12.79
MW-6	1395576	5.29	570883	9.74	571675	12.79
MW-7	1327671	5.28	568438	9.74	556021	12.79
MW-4R	1328686	5.30	571823	9.74	578686	12.79
MW-11	1323199	5.29	559434	9.74	549728	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent
 Lab File ID: CS210.D Date Analyzed: 8/17/2009
 Instrument ID: MSVOAC Time Analyzed: 12:14
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1032647	5.30	466124	9.74	435096	12.80
UPPER LIMIT	2065294	5.80	932248	10.24	870192	13.30
LOWER LIMIT	516324	4.80	233062	9.24	217548	12.30
SAMPLE NO.						
VSTD050	1032647	5.30	466124	9.74	435096	12.80
VBLK02	1352320	5.29	597271	9.74	590672	12.79
MW-10	1405658	5.29	605344	9.74	612390	12.79
MW-9	1362843	5.29	581012	9.74	599582	12.79
MW-13	1504018	5.29	619984	9.74	610772	12.79
MW-16	1283224	5.29	536196	9.74	549508	12.79
DUP 1	1416839	5.29	591173	9.75	601796	12.79
MW-17	1375466	5.29	581309	9.74	591606	12.79
Trip Blank	1315531	5.30	560038	9.75	564519	12.79
MW-3	1281038	5.29	555799	9.74	561302	12.80
MW-1	1316107	5.29	571234	9.74	581927	12.79
MW-1R	1373895	5.29	583135	9.74	589656	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent
 Lab File ID: CS217.D Date Analyzed: 8/20/2009
 Instrument ID: MSVOAC Time Analyzed: 12:54
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1316173	5.30	546048	9.77	463422	12.81
UPPER LIMIT	2632346	5.80	1092096	10.27	926844	13.31
LOWER LIMIT	658087	4.80	273024	9.27	231711	12.31
SAMPLE NO.						
VSTD050	1316173	5.30	546048	9.77	463422	12.81
VBLK03	1407285	5.31	600644	9.76	533643	12.80
MW-2	1358470	5.30	564473	9.76	505655	12.81
Effluent	1414853	5.31	577297	9.76	514896	12.81
MW-3MS	1496271	5.30	600418	9.76	575407	12.81
MW-3MSD	1551040	5.31	636367	9.76	610280	12.81
VMSB	1456357	5.31	601877	9.76	585244	12.82
Influent	1330068	5.31	542680	9.76	489619	12.81

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

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

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

RAW QC

DATA

BFB

Data File : C:\HPCHEM\1\DATA\090811\CT202.D

Vial: 1

Acq On : 11 Aug 2009 10:05 am

Operator:

Sample : BFB-PURGED

Inst : GCMS-C

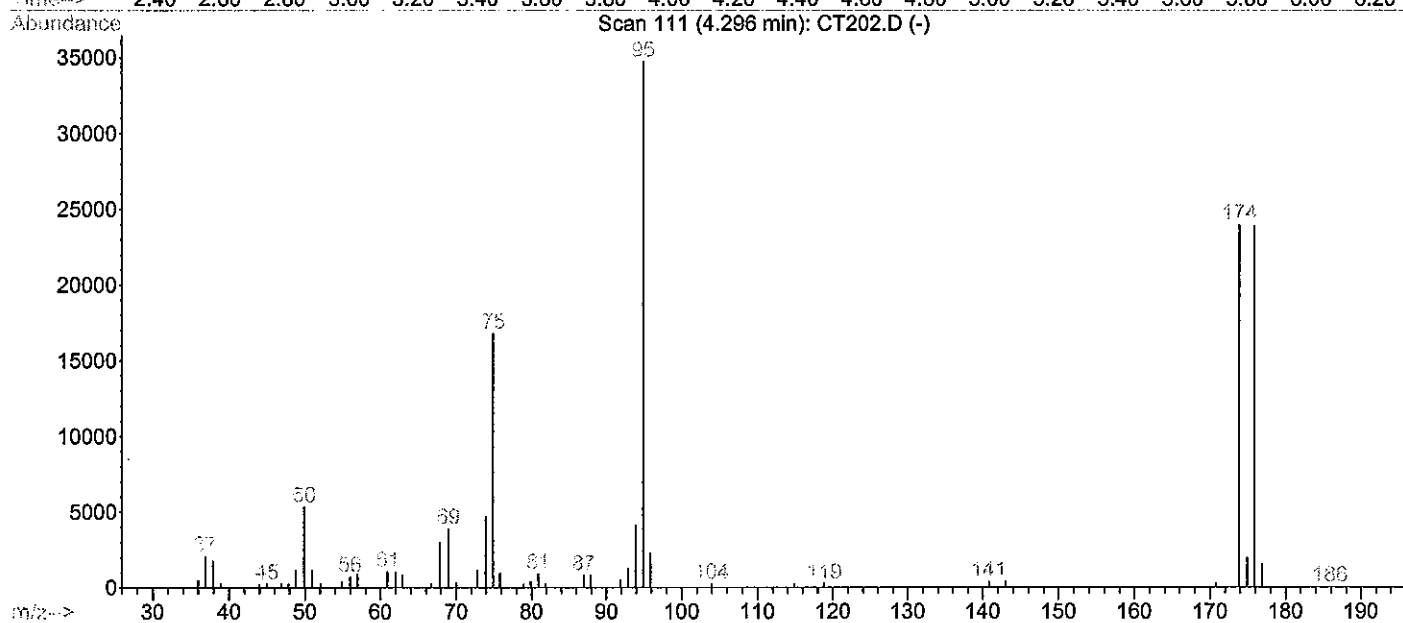
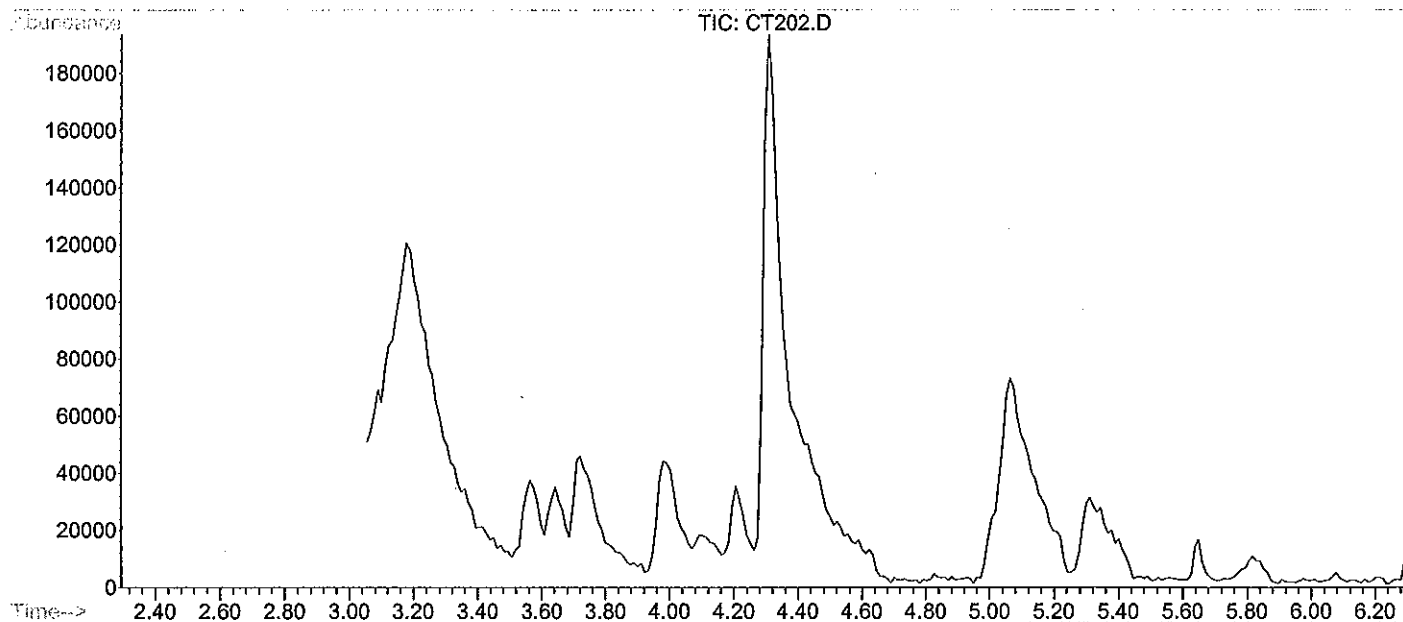
Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration



Spectrum Information: Scan 111

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	5361	PASS
75	95	30	60	48.4	16800	PASS
95	95	100	100	100.0	34728	PASS
96	95	5	9	6.7	2322	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.0	23952	PASS
175	174	5	9	8.2	1957	PASS
176	174	95	101	99.8	23912	PASS
177	176	5	9	6.5	1555	PASS

BFB

Data File : C:\HPCHEM\1\DATA\090814\CT209.D

Acq On : 14 Aug 2009 9:53 am

Sample : BFB-PURGED

Misc :

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

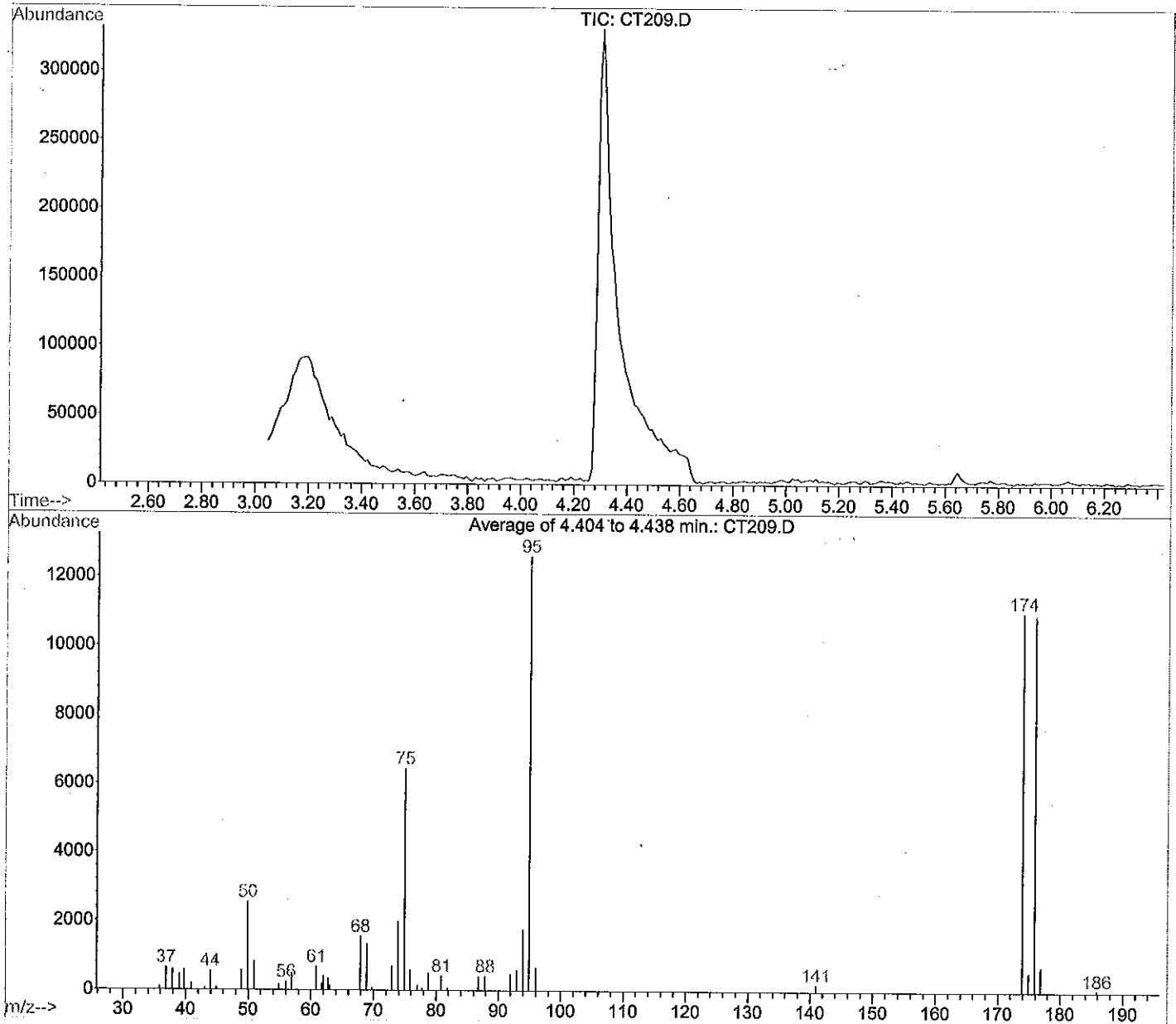
Title : Voa NBL Plus Calibration

Vial: 1

Operator:

Inst : GCMS-C

Multiplr: 1.00



Spectrum Information: Average of 4.404 to 4.438 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	2552	PASS
75	95	30	60	51.2	6454	PASS
95	95	100	100	100.0	12608	PASS
96	95	5	9	5.3	667	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.4	11015	PASS
175	174	5	9	5.0	551	PASS
176	174	95	101	99.2	10931	PASS
177	176	5	9	6.6	722	PASS

BFB

Data File : C:\HPCHEM\1\DATA\090817\CT210.D

Vial: 1

Acq On : 17 Aug 2009 11:53 am

Operator:

Sample : BFB-PURGED

Inst : GCMS-C

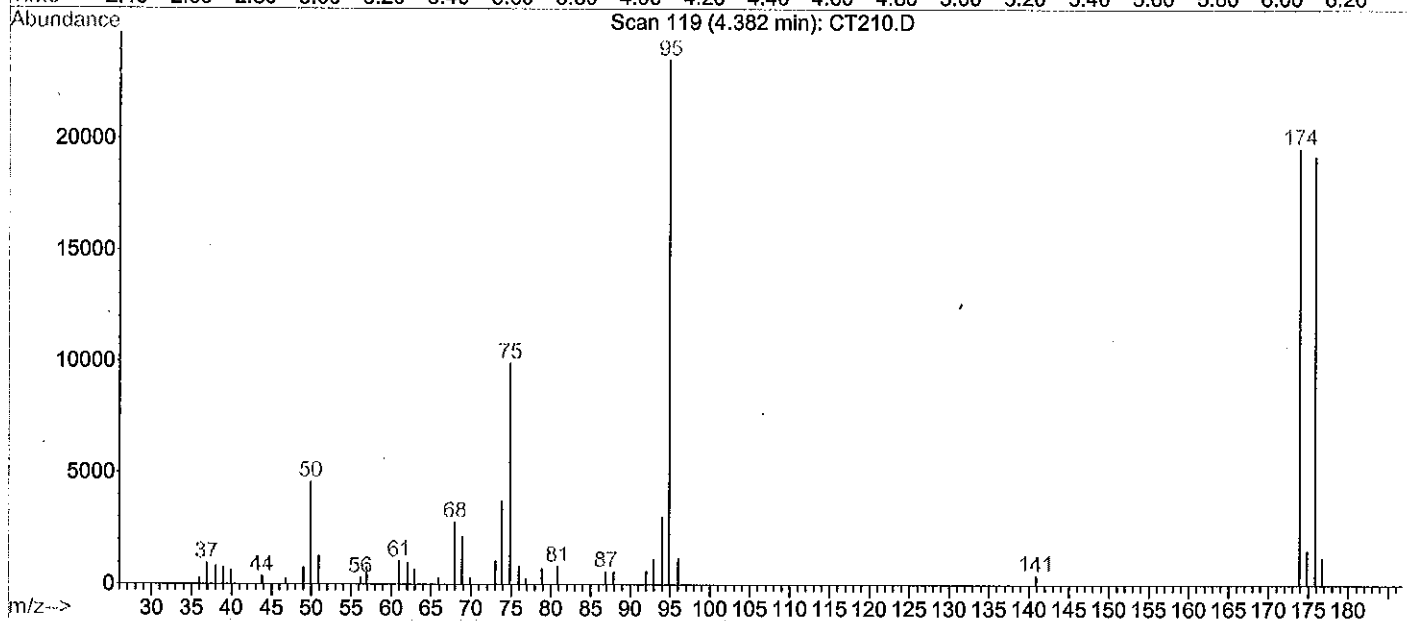
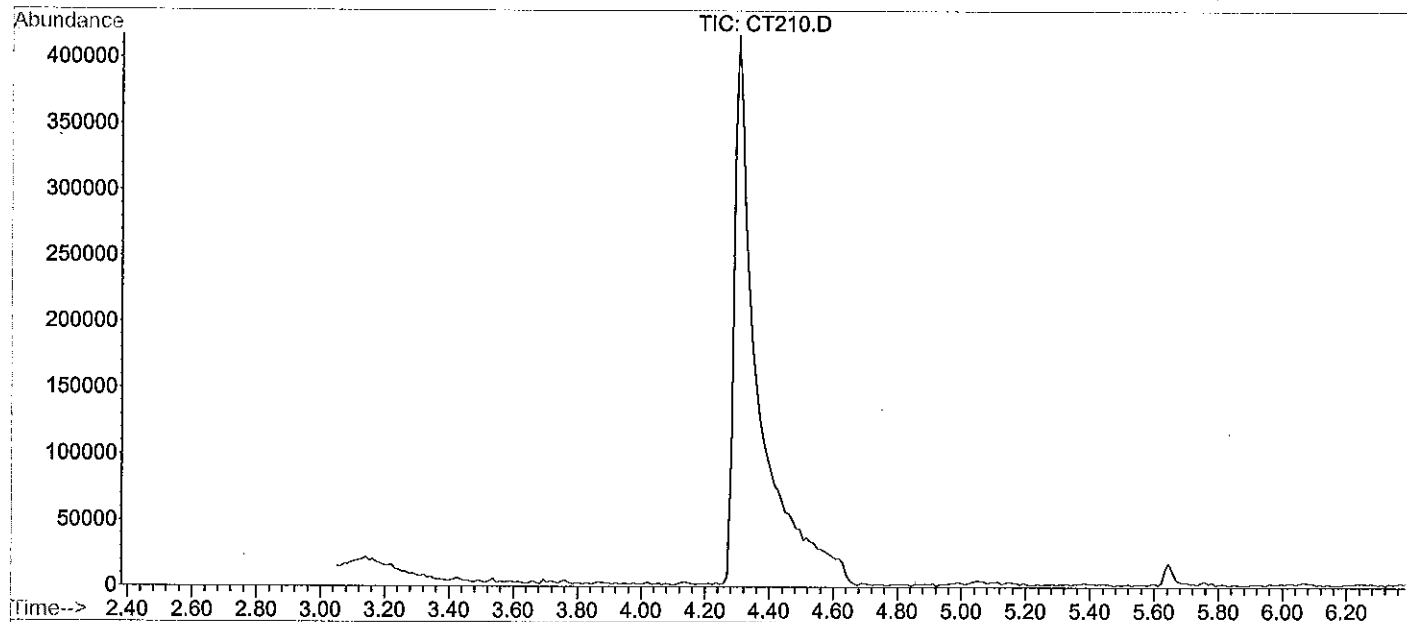
Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration



Spectrum Information: Scan 119

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	4576	PASS
75	95	30	60	42.1	9910	PASS
95	95	100	100	100.0	23552	PASS
96	95	5	9	5.0	1189	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.3	19616	PASS
175	174	5	9	7.9	1549	PASS
176	174	95	101	98.2	19256	PASS
177	176	5	9	6.4	1237	PASS

BFB

Data File : C:\HPCHEM\1\DATA\090820\CT217.D

vial: 7

Acq On : 20 Aug 2009 12:26 pm

Operator:

Sample : BFB-PURGED

Inst : GCMS-C

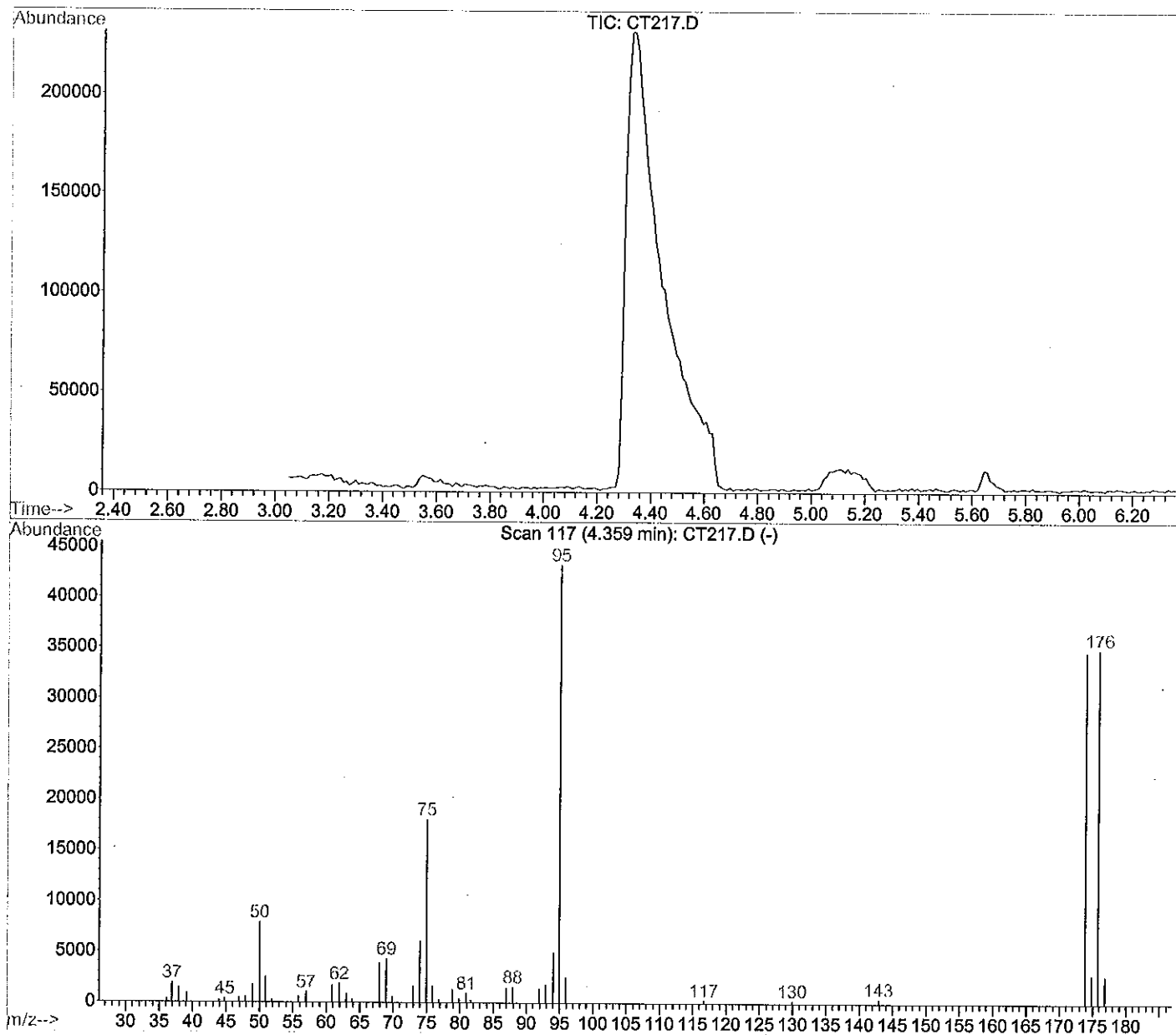
Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration



Spectrum Information: Scan 117

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	7888	PASS
75	95	30	60	41.7	18032	PASS
95	95	100	100	100.0	43256	PASS
96	95	5	9	5.9	2540	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.2	34712	PASS
175	174	5	9	8.3	2867	PASS
176	174	95	101	100.7	34963	PASS
177	176	5	9	7.8	2737	PASS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

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

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB209.D

Level (low/med): Date Received:

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

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

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB209.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

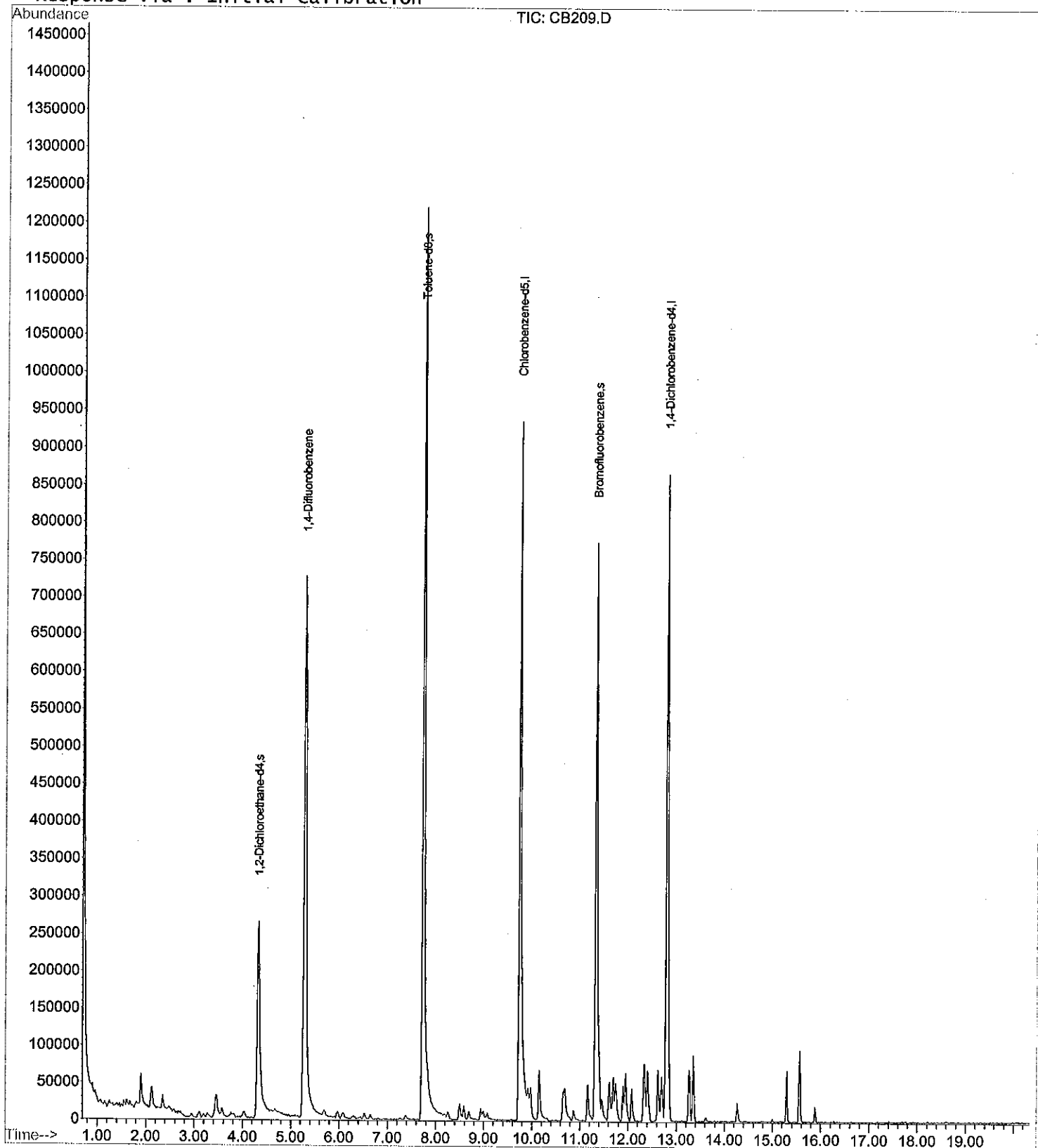
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\CB209.D
 Acq On : 14 Aug 2009 10:43 am
 Sample : VBLK
 Misc : MBLK EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 12:58 2009

Vial: 3
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\CB209.D

Vial: 3

Acq On : 14 Aug 2009 10:43 am

Operator:

Sample : VBLK

Inst : GCMS-C

Misc : MBLK EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 12:58 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1327267	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	567977	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	577658	50.00	ug	-0.02

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.32	65	413448m	56.54	ug	-0.02
57) Toluene-d8	7.74	98	1400695	50.85	ug	-0.01
72) Bromofluorobenzene	11.32	95	475661	53.44	ug	-0.02

Target Compounds

Qvalue

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK02

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: VBK02

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: CB210.D

Level (low/med): _____

Date Received: _____

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	6.8		
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

ENSR-Ward Products

SDG No.: Eff.

Client: AES, Inc.

Code: AES

Case No.: EN0904

Contract:

SAS No.:

Matrix (soil/water):

Sample wt/vol:

5.0

(g/mL)

ml

WATER

Level (low/med):

Moisture: not dec.

100

Lab Sample ID:

VBLK02

Lab File ID:

CB210.D

Date Received:

Date Analyzed:

8/17/09

Dilution Factor:

1.0

Soil Aliquot Volume:

(uL)

GC Column: DB624

Soil Extract Volume:

ID: 0.18

(mm)

(uL)

CAS No.

Compound

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

ug/L

Q

108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethyl Benzene	5.0	U
126777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	10	U
		5.0	U

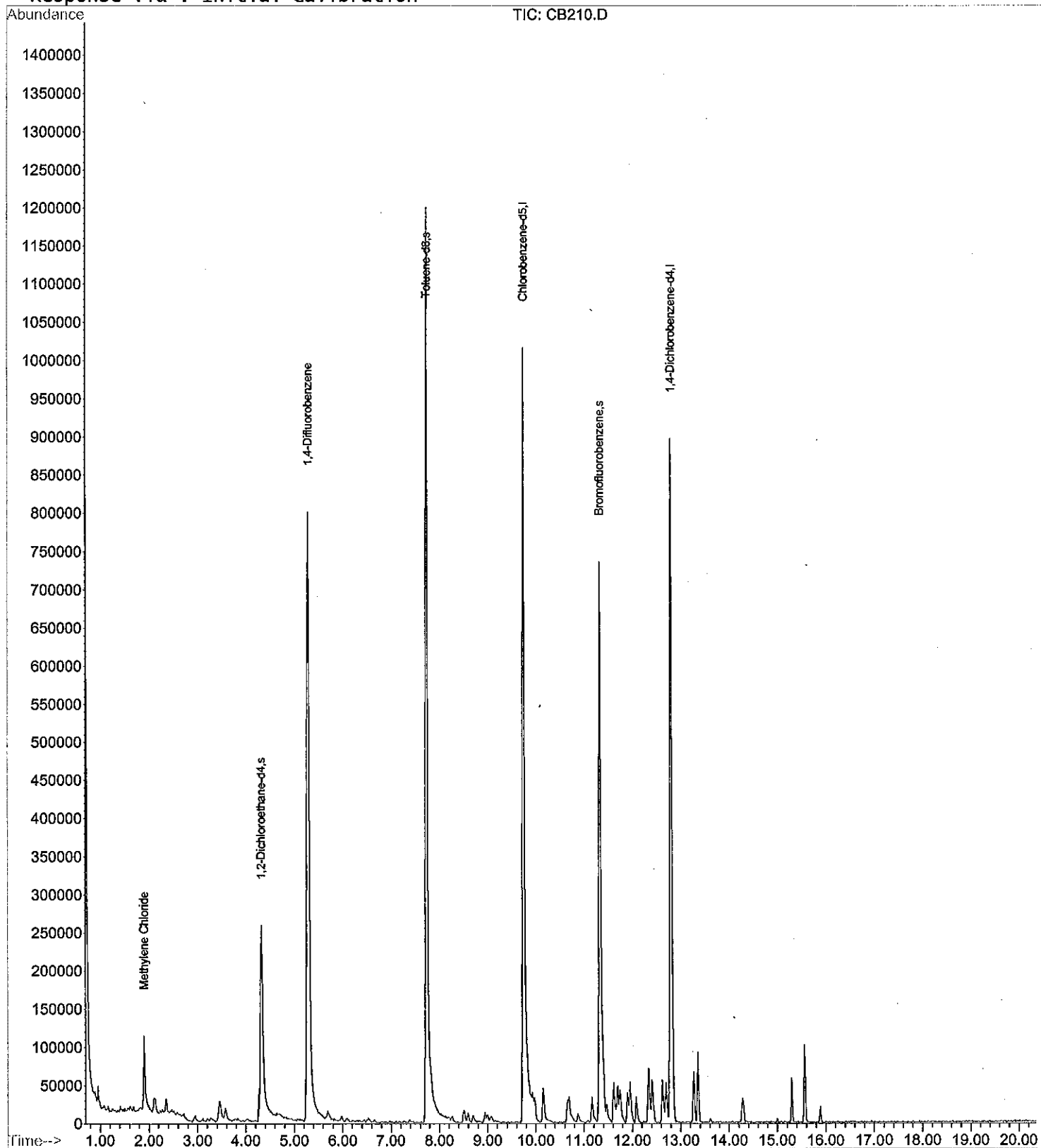
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\CB210.D
 Acq On : 17 Aug 2009 12:43 pm
 Sample : VBLK
 Misc : MBLK EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:46 2009

Vial: 3
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



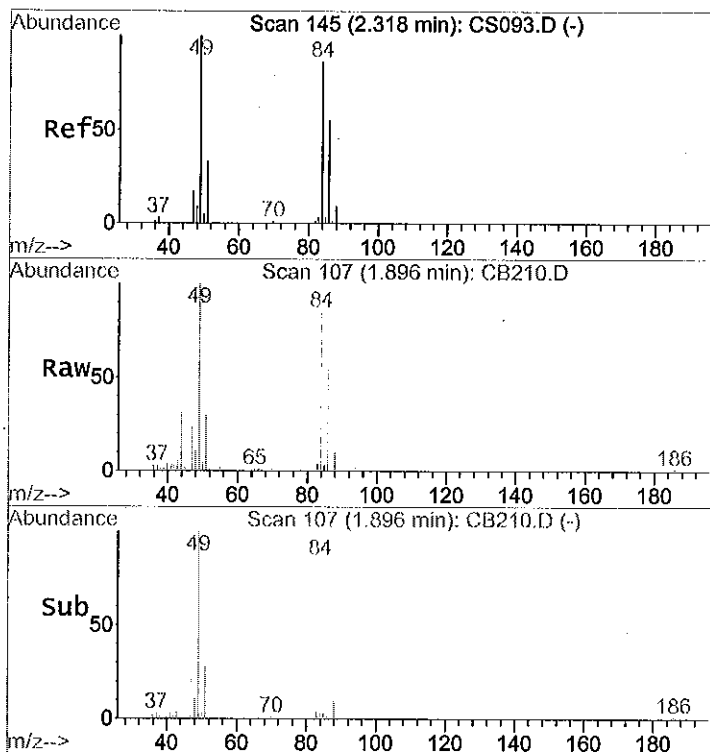
Data File : C:\HPCHEM\1\DATA\090817\CB210.D
Acq On : 17 Aug 2009 12:43 pm
Sample : VBLK
Misc : MBLK EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:46 2009

Vial: 3
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

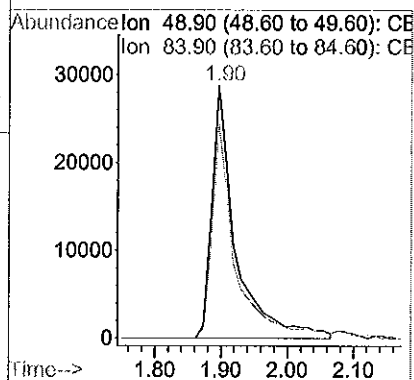
Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METHOC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1352320	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	597271	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	590672	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	417934m	56.09	ug	-0.02
57) Toluene-d8	7.74	98	1307789	45.15	ug	-0.01
72) Bromofluorobenzene	11.32	95	456697	50.18	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	72052	6.78	ug	Qvalue 87



#16
Methylene Chloride
Concen: 6.78 ug
RT: 1.90 min Scan# 107
Delta R.T. -0.00 min
Lab File: CB210.D
Acq: 17 Aug 2009 12:43 pm

Tgt Ion: 49 Resp: 72052
Ion Ratio Lower Upper
49 100
84 83.5 76.7 115.1



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: VBLK03

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB217.D

Level (low/med): Date Received:

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		8.5	
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: VBLK03

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB217.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

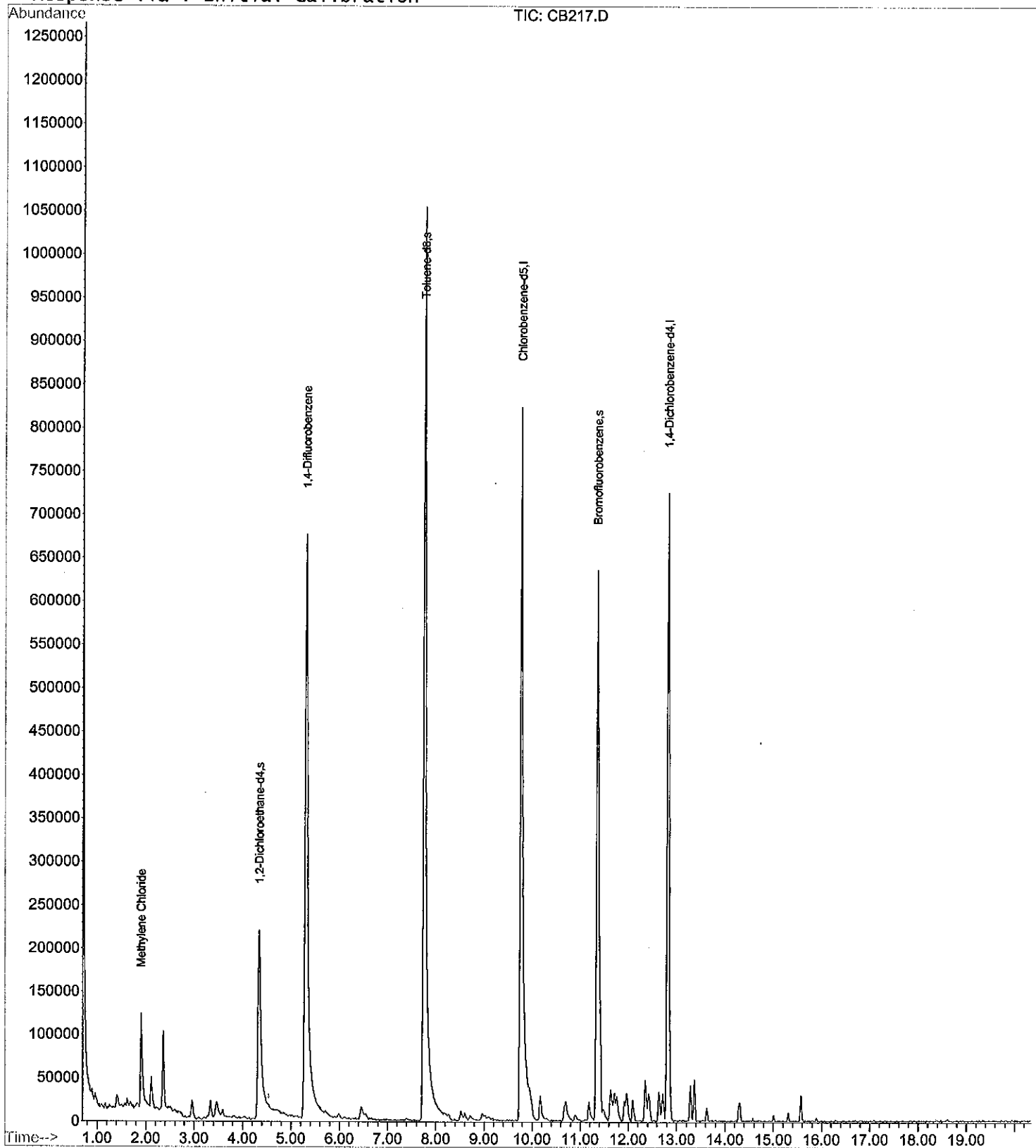
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090820\CB217.D
 Acq On : 20 Aug 2009 1:22 pm
 Sample : VBLK
 Misc : MBLK EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 21 11:16 2009

Vial: 9
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090820\CB217.D

Vial: 9

Acq On : 20 Aug 2009 1:22 pm

Operator:

Sample : VBLK

Inst : GCMS-C

Misc : MBLK EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 21 11:16 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

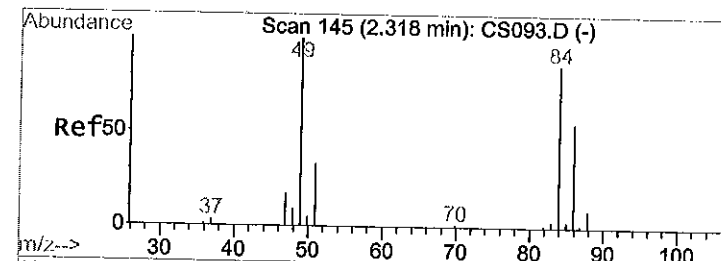
Title : Voa NBL Plus Calibration

Last Update : Tue Aug 18 10:05:55 2009

Response via : Initial Calibration

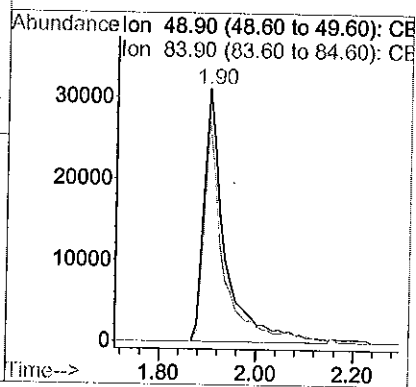
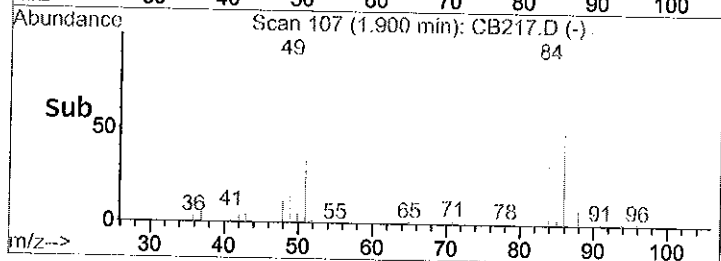
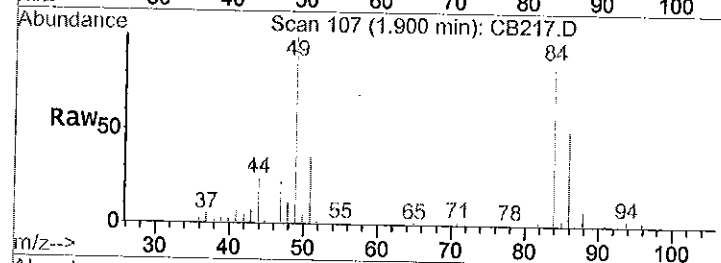
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.31	114	1407285	50.00	ug	0.00
36) Chlorobenzene-d5	9.76	82	600644	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.80	150	533643	50.00	ug	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.34	65	438617	56.57	ug	0.00
57) Toluene-d8	7.75	98	1497775	51.42	ug	0.00
72) Bromofluorobenzene	11.34	95	472197m	57.42	ug	0.00
Target Compounds						
16) Methylene chloride	1.90	49	93918	8.50	ug	Qvalue 80



#16
Methylene Chloride
Concen: 8.50 ug
RT: 1.90 min Scan# 107
Delta R.T. 0.00 min
Lab File: CB217.D
Acq: 20 Aug 2009 1:22 pm

Tgt Ion: 49 Resp: 93918
Ion Ratio Lower Upper
49 100
84 76.8 76.7 115.1



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VMSE

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

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

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3193.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		57	
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		57	
79-01-6	Trichloroethene		53	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VMSE

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

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

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3193.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		51	
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		54	
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

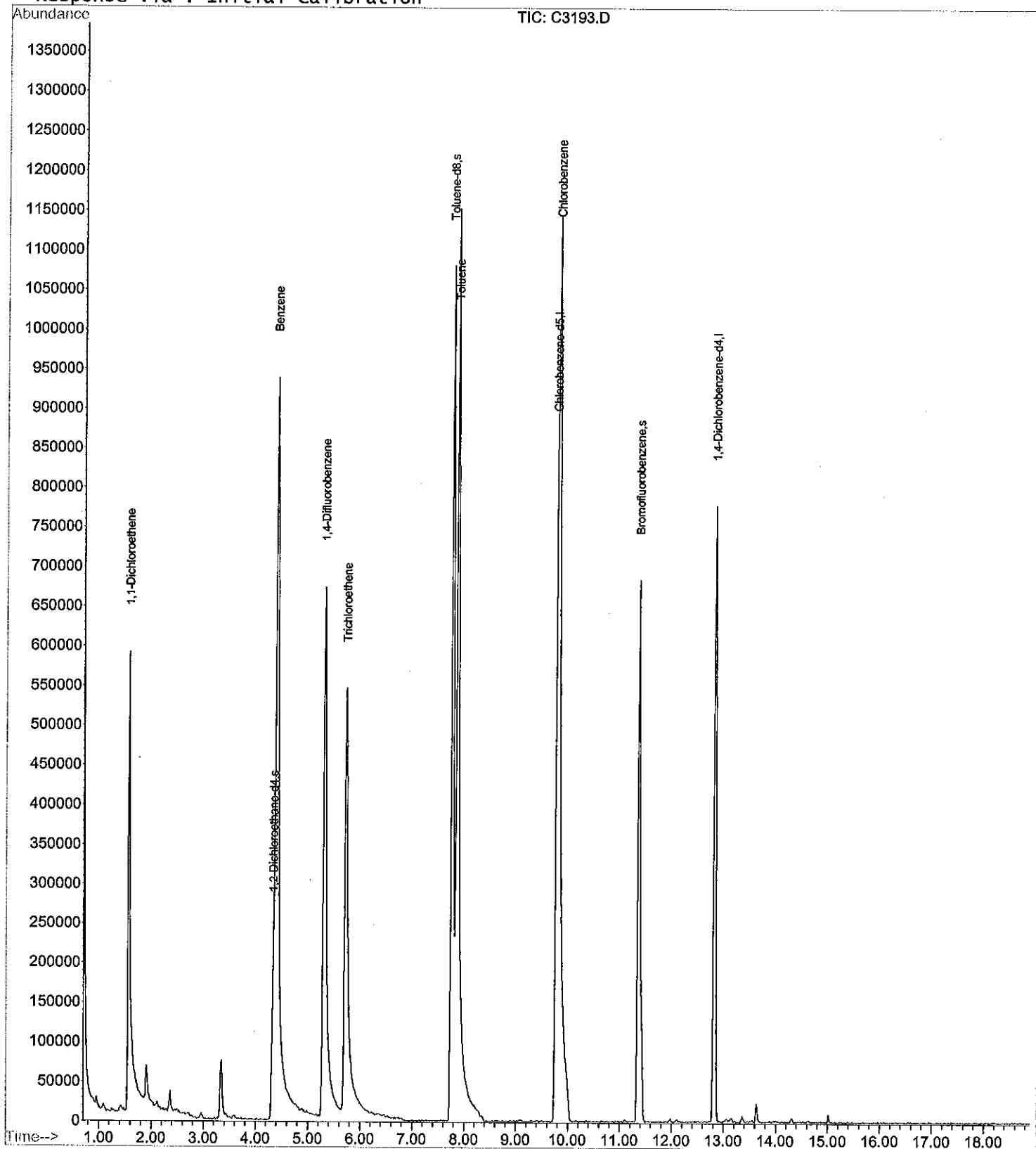
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090820\C3193.D
 Acq On : 20 Aug 2009 4:12 pm
 Sample : VMSB
 Misc : LCS EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 21 11:20 2009

Vial: 15
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090820\C3193.D

Acq On : 20 Aug 2009 4:12 pm

Sample : VMSB

Misc : LCS EPA_8260_WATER

MS Integration Params: LSCINT.P

Quant Time: Aug 21 11:20 2009

Vial: 15

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 18 10:05:55 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min)
1)	1,4-Difluorobenzene	5.31	114	1456357	50.00	ug	0.00
36)	Chlorobenzene-d5	9.76	82	601877	50.00	ug	0.00
69)	1,4-Dichlorobenzene-d4	12.82	150	585244	50.00	ug	0.00
System Monitoring Compounds							
32)	1,2-Dichloroethane-d4	4.34	65	415043	51.72	ug	0.00
57)	Toluene-d8	7.75	98	1513372	51.85	ug	0.00
72)	Bromofluorobenzene	11.35	95	506866	56.20	ug	0.00
Target Compounds							
9)	1,1-Dichloroethene	1.56	96	403561	56.59	ug	Qvalue # 76
40)	Benzene	4.39	78	1829154	56.54	ug	# 79
43)	Trichloroethene	5.72	130	488472	52.59	ug	# 71
58)	Toluene	7.86	91	1660974	51.41	ug	96
62)	Chlorobenzene	9.81	112	1070864	54.08	ug	97

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3MS

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813037-004AMS

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3191.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		50	
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		54	
79-01-6	Trichloroethene		52	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3MS

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813037-004AMS

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3191.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		51	
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		52	
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

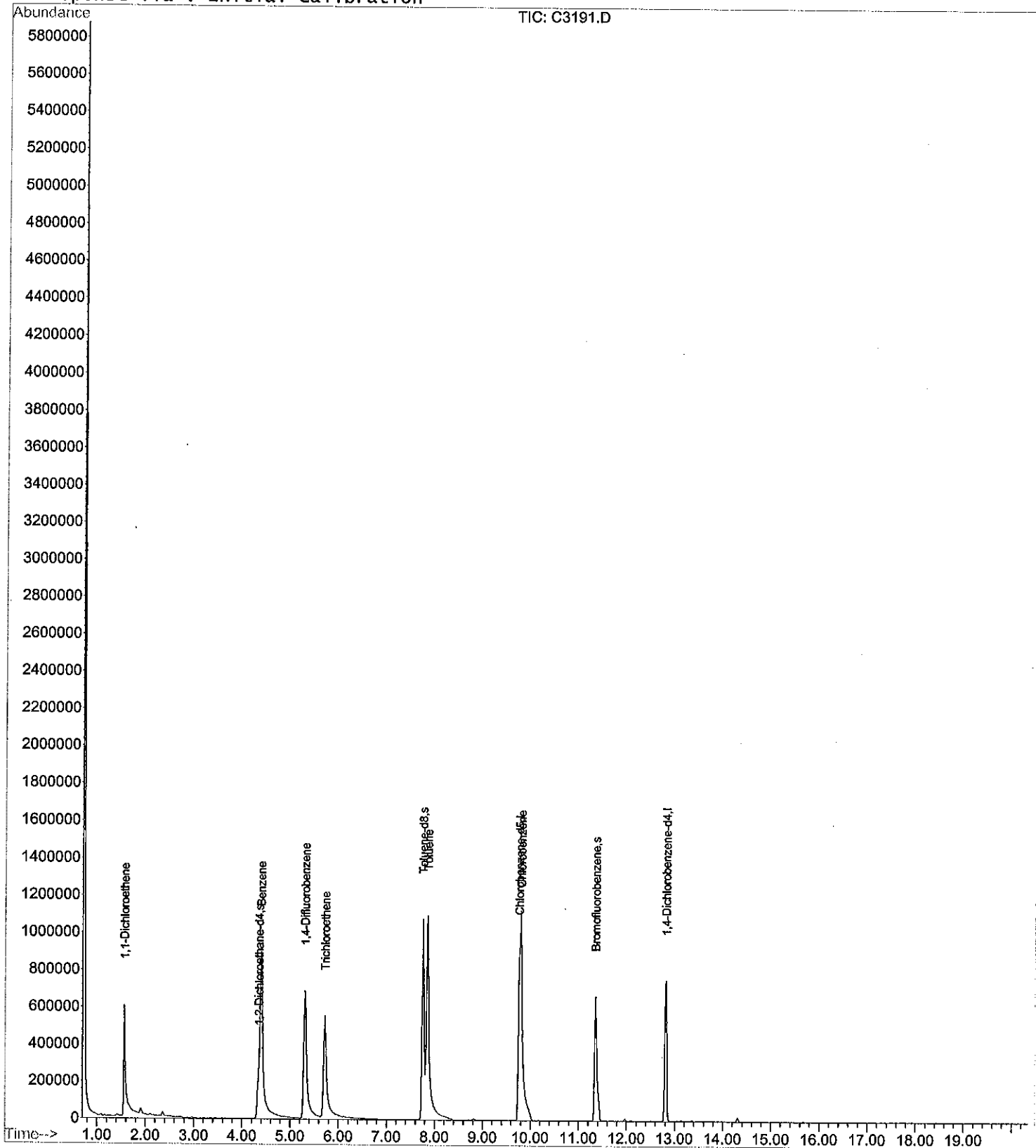
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090820\C3191.D
 Acq On : 20 Aug 2009 3:16 pm
 Sample : 090813037-004AMS
 Misc : MS EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 21 11:18 2009

Vial: 13
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090820\C3191.D

Acq On : 20 Aug 2009 3:16 pm

Sample : 090813037-004AMS

Misc : MS EPA_8260_WATER

MS Integration Params: LSCINT.P

Quant Time: Aug 21 11:18 2009

Vial: 13

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 18 10:05:55 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1496271	50.00	ug	-0.01
36) Chlorobenzene-d5	9.76	82	600418	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.81	150	575407	50.00	ug	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.34	65	411638	49.93	ug	0.00
57) Toluene-d8	7.75	98	1530847	52.58	ug	0.00
72) Bromofluorobenzene	11.34	95	497457	56.10	ug	0.00
Target Compounds						
9) 1,1-Dichloroethene	1.56	96	365077	49.83	ug	Qvalue # 67
40) Benzene	4.39	78	1741679	53.97	ug	# 78
43) Trichloroethene	5.72	130	481791	51.99	ug	# 70
58) Toluene	7.85	91	1640365	50.89	ug	96
62) Chlorobenzene	9.80	112	1017729	51.52	ug	98

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3MSD

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: SDG No.: Effluent

Matrix (soil/water): WATER

Lab Sample ID: 090813037-004AMSD

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3192.D

Level (low/med):

Date Received: 8/13/09

% Moisture: not dec. 100

Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		55	
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		57	
79-01-6	Trichloroethene		55	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3MSD

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0904 SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER Lab Sample ID: 090813037-004AMSD

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3192.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/20/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		53	
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		55	
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\090820\C3192.D

Vial: 14

Acq On : 20 Aug 2009 3:44 pm

Operator:

Sample : 090813037-004AMSD

Inst : GCMS-C

Misc : MSD EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 21 11:19 2009

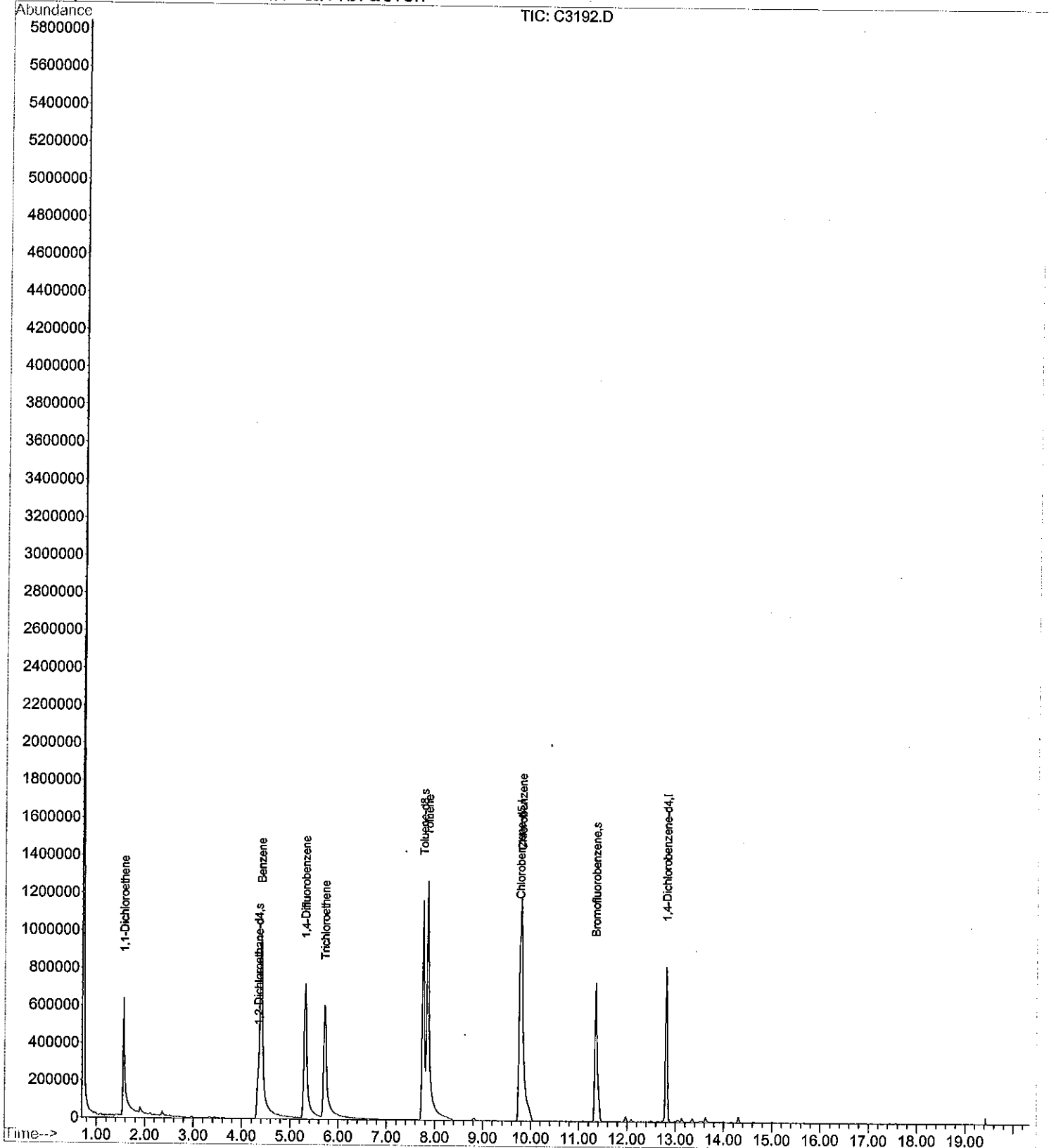
Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Mon Aug 31 14:07:59 2009

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090820\C3192.D

Vial: 14

Acq On : 20 Aug 2009 3:44 pm

Operator:

Sample : 090813037-004AMSD

Inst : GCMS-C

Misc : MSD EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 21 11:19 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 18 10:05:55 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.31	114	1551040	50.00	ug	0.00
36) Chlorobenzene-d5	9.76	82	636367	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.81	150	610280	50.00	ug	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.34	65	454218	53.15	ug	0.00
57) Toluene-d8	7.75	98	1620650	52.52	ug	0.00
72) Bromofluorobenzene	11.34	95	553578	58.87	ug	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1-Dichloroethene	1.56	96	418781m	55.14	ug	
40) Benzene	4.39	78	1951030	57.04	ug	# 77
43) Trichloroethene	5.71	130	537697	54.75	ug	# 68
58) Toluene	7.84	91	1801660	52.74	ug	95
62) Chlorobenzene	9.79	112	1145533	54.72	ug	98

CLP

SAMPLE CALCULATIONS FOR VOLATILE ORGANICS:

1) RRF of Trichloroethene from the VSTD050 analyzed on 8/17/09:

$$= \frac{\text{area of Trichloroethene in std.}}{\text{area of internal std}} \times \frac{\text{concentration of internal standard.}}{\text{concentration of standard}}$$

$$= \frac{357521}{466124} \times \frac{50}{50} = 0.767$$

Average response factor for Trichloroethene in the initial calibration = 0.772

2) Amount of Trichloroethene in sample MW-1 (AES sample number 090813001-013):

$$\text{ug/L} = \frac{\text{area of Trichloroethene in sample}}{\text{area of internal standard in sample}} \times \frac{\text{amount of internal std. (ng)}}{(\text{ml of sample purged})(\text{RRF})}$$

$$= \frac{344682}{571234} \times \frac{(250)}{(5.0)(0.772)} = 39.1 \text{ ug/L}$$

which is reported as 39 ug/L on the Form I for Volatile Organics

3) Calculation of spike recovery for Trichloroethene in sample MW-3 MS:

$$\text{Percent spike recovery} = \frac{\text{quantity determined by analysis}}{\text{quantity added to sample}} \times 100$$

$$\% \text{ recovery of Trichloroethene} = \frac{(52.0 - 0.0)}{50.0} \times 100 = 104.0 \%$$

Analyst	Date	Time	File ID	Sample ID	DF	pH	QA/QC Checks		Comments
							Surrogate Check	Internal Std Check	
ML	8/14/09	9:53am	CT209	BFB-pured	OR	saved			
		3	C5209	VSTD050					
BFB=VMA9-30F		DX4	C3209	VBLK			OR	OR	
F=	-30E	DX5	C3100	081200-5A	5ml	1	OR	OR	
S=	-31D	RE6	C3101	-2A		1	OR	OR	TCE=383
QME=	-34B	↓7	C3102	-3A	↓	1	OR	OR	TCE=280
A=	-34E	↓8	C3103	-4A	↓	1	OR	OR	TCE=2446
B=	-35C	↓9	C3104	-5A	↓	1	OR	OR	TCE=4788
		1:33pm	↓10	C3105	-2A	1/2	OR	OR	TCE=253 ↓
114538		DX4	C3106	-3A	↓		OR	OR	=146
461551		DX2	C3107	-4A	1/2	20	OR	OR	TCE=197
424402		RE3	C3108	-1A	1/50		OR	OR	=211
		DX4	C3109	-2A	1/2		OR	OR	=193
		DX5	C3110	081300-1A	5ml	1	OR	OR	
		DX6	C3111	-2A		1	OR	OR	
		DX2	C3112	-3A		1	OR	OR	
		DX3	C3113	-4A		1	OR	OR	
		RE4	C3114	-5A		1	OR	OR	TCE=2284
		↓5	C3115	-6A		1	OR	OR	TCE=135
		↓6	C3116	-7A		1	OR	OR	TCE=879
		↓7	C3117	-8A		1	OR	OR	TCE=6
		↓8	C3118	-9A		1	OR	OR	TCE=459
		↓9	C3119	-10A	↓	1	OR	OR	=533
		DX10	C3120	081200-1A	1/100		OR	OR	TCE=102
		DX11	C3121	081300-11A	5ml	1	OR	OR	
		DX12	C3122	-2A	↓	1	OR	OR	TCE=123
		DX13	C3123	081405-1A	0.5g		OR	OR	TCEP

43779 2/259

Analyst	Date	Time	File ID	Sample ID	DF	pH	QA/QC Checks		Comments
							Surrogate Check	Internal Std Check	
ML	8/17/09	1153am	CT210	BFB-purged-OR saved					
			2 C5210	VSTD0050					
BFB=V0A-9-30F		DV8	C31210	VBK			OR	OR	
I=	-30E	DV8	C3124	0813001-5A 1/20	1		OR	OR	TCE=171
S=	-31D	DV8	C3125	-6A 5ml	1		OR	OR	TCE=113
UM=	-34B	DV8	C3126	-7A 1/5	1		OR	OR	TCE=100
A=	-34E	DV8	C3127	-8A 5ml	1		OR	OR	
B=	-35C	DV8	C3128	-9A 1/5	1		OR	OR	TCE=98
MS=	-30C	DV8	C3129	-10A ↓	1		OR	OR	TCE=119
1032647		RE 10	C3130	-13A 1/2	1		OR	OR	TCE=19
466124		↓ 12	C3131	-14A ↓	1		OR	OR	=56
435090		↓ 13	C3132	-15A ↓	1		OR	OR	
		DV14	C3133	-16A 5ml	1		OR	OR	
		RE 15	C3134	-17A ↓	1		OR	OR	TCE=3168
		↓ 16	C3135	-18A ↓	1		OR	OR	TCE=635
		DV2	C3136	-19MS			OR	OR	
		DV3	C3137	-19MSD ↓			OR	OR	
		DV4	C3138	VM5B			OR	OR	
		DV5	C3139	0813051-1A 5ml	1		OR	OR	
		DV6	C3140	-2A	1		OR	OR	TCE=64
		DV7	C3141	-3A	1		OR	OR	TCE=8
		DV8	C3142	-4A	1		OR	OR	
		DV9	C3143	-5A ↓	1		OR	OR	TCE=132
		DV10	C3144	0813001-13A ↓			OR	OR	TCE=39
		DV11	C3145	-14A ↓			OR	OR	TCE=103
		12	C3146	VSTD0050A ✓			OR	OR	

REVIEW

DATE : 00304

Analyst	Date	Time	File ID	Sample ID	DF	pH	QA/QC Checks		Comments
							Surrogate Check	Internal Std Check	
ML	8/20/09		2 C3182	BP@100					
			X3 C3183	VBULK			OK	OK	
BFB=10A9-30F			4 C3184	081291-3A 1/1000			OK	OK	BP=1097 5ul
E=	-30E		5 C3185	-4A 1/2000			OK	OK	BP=547
S=	-31D		X6 C3186	BFB=10A9-30F 1/10K			OK	OK	BP=103
Qum=	-34B		X7 C3187	VSTD050 1/4A ↓			OK	OK	=1/8
A=	-34E	12/26/08	CB217	VBULK BFB-pregel-OK saved					
B=	-35C		9 CS217	VSTD050					
BP=	-36B		DX10 CB217	VBULK			OK	OK	
MS=	-30C		DX11 C3188	081300-18A 5ml		1	OK	OK	
13/6/173			Ref2 C3189	-17A 1/20		1	OK	OK	TCE=278
54/6/048			DX13 C3190	-18A 1/5		1	OK	OK	TCE=141
4/6/3422			DX14 C3191	081303-4AMS 5ml			OK	OK	
			DX15 C3192	-4AMS ↓			OK	OK	
			DX16 C3193	VMSB			OK	OK	
			DX17 C3194	081803-1A 5g			OK	OK	TCLP
			DX18 C3195	081805-6A 5ml		1	OK	OK	
			DX19 C3196	-8A		1	OK	OK	CF=58
			DX20 C3197	-9A		1	OK	OK	CF=54
			DX21 C3198	-11A		1	OK	OK	
			DX22 C3199	-11AMS			OK	OK	
			DX23 C3200	-11AMS ↓			OK	OK	
			DX24 C3201	081300-17A 1/50			OK	OK	TCE=133
			DX25 C3202	081303-8A 5ml		1	OK	OK	CF=53
			DX26 C3203	-5B		1	OK	OK	CF=43
			DX27 C3204	-6B		1	OK	OK	
			DX28 C3205	-7B ↓		1	OK	OK	
			DX29 C3206	0819005-1A 2.5g			OK	OK	TCLP

REVIEW

DATE: 08/20/09

INORGANIC - METALS

ANALYSIS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE


Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
SOW No.: N/A

EPA Sample No.	Lab Sample ID.
MW-4R	090812001-001B
MW-7	090812001-002B
MW-4	090812001-003B
MW-6	090812001-004B
MW-10	090813001-005C
MW-9	090813001-006C
MW-13	090813001-007C
MW-16	090813001-008C
DUP 1	090813001-009C
MW-17	090813001-010C
MW-11	090813001-011C
MW-1	090813001-013C
MW-1R	090813001-014C
MW-2	090813001-015C
Influent	090813001-017B
Effluent	090813001-018B
MW-3	090813037-004C

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 diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:  Name: Sheryl Martucci
Date: 9/3/09 Title: Inorganics Manager

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Effluent

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-018B
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	71.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Influent

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-017B
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	67.5			P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-013C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	14.5			P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-1R

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-014C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	122			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-015C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	7.0	B		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813037-004C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090812001-003B
Level (low/med): LOW Date Received: 8/12/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	29.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-4R

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090812001-001B
Level (low/med): LOW Date Received: 8/12/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	34.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090812001-004B
Level (low/med): LOW Date Received: 8/12/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	47.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090812001-002B
Level (low/med): LOW Date Received: 8/12/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	24.2			P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-006C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-005C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-011C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-007C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	19.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-16

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-008C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-17

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-010C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DUP 1

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
Matrix (soil/water): WATER Lab Sample ID: 090813001-009C
Level (low/med): LOW Date Received: 8/13/2009
% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Initial Calibration Source: EPA-ICV
 Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium	2000.0	2045.24	102.3	2000.0	2035.16	101.8	2053.49	102.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Initial Calibration Source: EPA-ICV
 Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				2000.0	2081.36	104.1	2100.60	105.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: Adirondack Environmental Contract: Ward Products

Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent

AA CRDL Standard Source: _____

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte				CRDL Standard for ICP				
	True	Found	%R	Initial True	Initial Found	Initial %R	Final Found	Final %R
Chromium				20.0	17.12	85.6	18.72	93.6

Control Limits: no limits have been established by EPA at this time

BLANKS

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 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	C		
Chromium	5.2	U	5.2	U	5.2	U	5.2	U	5.210	U	P

BLANKS

Lab Name: Adirondack Environmental Contract: Ward Products

Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent

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			
Chromium		5.2	U							P

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Adirondack Environmental Contract: Ward Products

Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent

ICP ID Number: ICP4 ICS Source: EPA

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	493884	496671.2	99.3	504654	506382.1	101.3
Calcium	500000	500000	443824	448787.1	89.8	475144	470025.4	94.0
Chromium		500		532.6	106.5		545.9	109.2
Iron	200000	200000	159909	160352.5	80.2	159985	161015.8	80.5
Magnesium	500000	500000	468186	469519.7	93.9	471444	473732.8	94.7

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-10MS

Lab Name: Adirondack Environmental Contract: Ward ProductsLab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: EffluentMatrix (soil/water): WATER Level (low/med): LOW% Solids for Sample: 0.0Concentration 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
Chromium	75 - 125	201.6644	5.2100 U	200.00	100.8		P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-10A

Lab Name: Adirondack Environmental Contract: Ward Products
Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
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
Chromium		422.51		5.21	U	400.0	105.6		P

Comments: _____

DUPLICATES

SAMPLE NO.

MW-10DP

Lab Name: Adirondack Environmental Contract: Ward Products

Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent

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
Chromium		5.2100	U	5.2100	U			P

LABORATORY CONTROL SAMPLE

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Solid LCS Source: _____
 Aqueous LCS Source: EPA-ICV

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Chromium	2000.0	2140.0130	107.0					

STANDARD ADDITION RESULTS

Contract: Ward Products

Lab Code: AES

Case No.: EN 0904

SAS No.: _____

SDG NO.: Effluent

(Concentration Units): ug/L

Sample ID.	An	0 ADD ABS	1 ADD		2 ADD		3 ADD		Final Conc.	r	Q
			CON	ABS	CON	ABS	CON	ABS			

9
ICP SERIAL DILUTIONS

SAMPLE NO.

MW-10L

Lab Name: Adirondack Environmental

Contract: Ward Produc

Lab Code: AES Case No.: EN 0904

SAS No.: _____ SDG No.: Effluent

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
	C		C				
Chromium	5.21	U	26.05	U			P

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Adirondack Environmental Contract: Ward Products

Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent

ICP ID Number: ICP4 Date: 1/4/2008

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Chromium	267.72		10	5.2	P

Comments: _____

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 ICP ID Number: ICP4 Date: 3/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Rh
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	
Arsenic	193.70	0.0001270	0.0000000	0.0000000	0.0000000	
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	
Chromium	357.80	0.0000000	0.0000000	0.0001400	0.0000000	
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	
Iron	259.90	0.0001900	0.0000000	0.0000000	0.0000000	
Lead	220.30	0.0001020	0.0000000	0.0008420	0.0000000	
Magnesium	383.80	0.0000000	0.0000000	0.0000000	0.0000000	
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	
Thallium	190.80	0.0000000	0.0008600	0.0000000	0.0000000	
Tin	189.90	0.0000000	0.0000000	0.0000000	0.0000000	
Vanadium	292.40	0.0006000	0.0000000	0.0000000	0.0000000	
Zinc	213.80	0.0000000	0.0000000	0.0001040	0.0000000	

Comments: _____

ICP LINEAR RANGES (QUARTERLY)

Lab Name: Adirondack Environmental Contract: Ward ProductsLab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: EffluentICP ID Number: ICP4 Date: 3/11/2009

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Chromium	60.00	10000.0	P

Comments: _____

PREPARATION LOG

Lab Name: Adirondack Environmental Contract: Ward Products

Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent

Method: P

EPA Sample No.	Preparation Date	Initial Volume mL	Volume (mL)
DUP 1	8/24/2009	100.0	100.0
Effluent	8/24/2009	100.0	100.0
Influent	8/24/2009	100.0	100.0
LCS-22194, IW	8/24/2009	100.0	100.0
MB-22194, IW	8/24/2009	100.0	100.0
MW-1	8/24/2009	100.0	100.0
MW-10	8/24/2009	100.0	100.0
MW-10DP	8/24/2009	100.0	100.0
MW-10MS	8/24/2009	100.0	100.0
MW-11	8/24/2009	100.0	100.0
MW-13	8/24/2009	100.0	100.0
MW-16	8/24/2009	100.0	100.0
MW-17	8/24/2009	100.0	100.0
MW-1R	8/24/2009	100.0	100.0
MW-2	8/24/2009	100.0	100.0
MW-3	8/24/2009	100.0	100.0
MW-4	8/24/2009	100.0	100.0
MW-4R	8/24/2009	100.0	100.0
MW-6	8/24/2009	100.0	100.0
MW-7	8/24/2009	100.0	100.0
MW-9	8/24/2009	100.0	100.0

ANALYSIS RUN LOG

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Instrument ID Number: ICP4 Method: P
 Start Date: 8/25/2009 End Date: 8/25/2009

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S G	A A	N L	T L	V N	Z N	C N
ICV-1	1.00	1100									X																
ICB-1	1.00	1104									X																
CRI-1	1.00	1107									X																
ICSA-1	1.00	1111		X						X				X		X											
ICSAB-1	1.00	1116		X						X	X			X		X											
CCV-1	1.00	1122									X																
CCB-1	1.00	1133									X																
MB-22194, IW	1.00	1137									X																
LCS-22194, IW	1.00	1145									X																
MW-4R	1.00	1146									X																
MW-7	1.00	1150									X																
MW-4	1.00	1154									X																
MW-6	1.00	1157									X																
MW-3	1.00	1206									X																
MW-10	1.00	1211									X																
MW-10DP	1.00	1218									X																
MW-10MS	1.00	1228									X																
CCV-2	1.00	1239									X																
CCB-2	1.00	1242									X																
MW-10L	5.00	1247									X																
MW-10A	1.00	1254									X																
MW-9	1.00	1258									X																
MW-13	1.00	1306									X																
MW-16	1.00	1313									X																
DUP 1	1.00	1322									X																
MW-17	1.00	1327									X																
MW-11	1.00	1333									X																
MW-1	1.00	1341									X																
MW-1R	1.00	1345									X																
CCV-3	1.00	1353									X																
CCB-3	1.00	1359									X																
MW-2	1.00	1402									X																
Influent	1.00	1410									X																
Effluent	1.00	1414									X																
CRI-2	1.00	1418									X																
ICSA-2	1.00	1422		X						X				X		X											
ICSAB-2	1.00	1427		X						X	X			X		X											
CCV-4	1.00	1436									X																

ANALYSIS RUN LOG

Lab Name: Adirondack Environmental Contract: Ward Products
 Lab Code: AES Case No.: EN 0904 SAS No.: _____ SDG No.: Effluent
 Instrument ID Number: ICP4 Method: P
 Start Date: 8/25/2009 End Date: 8/25/2009

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
CCB-4	1.00	1441									X																

RAW QC

DATA

Method: SPEX

Sample Name: 200.7-4

Operator:

Comment:

Run Time: 08/25/09 09:35 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Mo2020	Sb2068	Ti3361
Line	202.030 {166}	206.833 {162}	336.121 {100}
Units	Cts/S	Cts/S	Cts/S
Avg	1102.	229.1	572.9
Stddev	9.	.1	2.4
%RSD	.7941	.0288	.4153
#1	1108.	229.1	574.5
#2	1096.	229.2	571.2

Method: SPEX Sample Name: 200.7-3 Operator:
Comment:
Run Time: 08/25/09 09:42 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	B 2496	Cd2288	Pb2203	Tl1908
Line	249.678 {135}	228.802 {147}	220.353 {152}	190.864 {176}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	29.37	184.1	29.68	9.110
Stddev	.21	.2	.60	.013
%RSD	.7116	.1102	2.012	.1387
#1	29.23	184.3	29.26	9.119
#2	29.52	184.0	30.11	9.101

Method: SPEX

Sample Name: 200.7-2

Operator:

Comment:

Run Time: 08/25/09 09:48 Type: Std

Mode: IR

Corr.Fact: 1.000000

Elem	Ba4934	Be3130	Co2286	Cu3247	Fe2599	Mn2576
Line	493.409 { 68}	313.042 {107}	228.616 {147}	324.754 {103}	259.940 {129}	257.610 {131}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1084.	682.1	589.0	24.06	4401.	1625.
Stddev	7.	5.6	1.2	.08	3.	.
%RSD	.6870	.8207	.2101	.3272	.0606	.0006

#1	1079.	686.1	589.9	24.11	4399.	1625.
#2	1089.	678.2	588.1	24.00	4403.	1625.

Elem	Sr3464
Line	346.446 { 97}
Units	Cts/S
Avg	158.1
Stddev	.7
%RSD	.4244

#1	157.6
#2	158.5

Method: SPEX Sample Name: 200.7-1 Operator:
Comment:
Run Time: 08/25/09 09:55 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al3082	Al3961	Ca3179	K 7664	Mg3838	Na5889
Line	308.215 {109}	396.152 { 85}	317.933 {105}	766.490 { 44}	383.826 { 87}	588.995 { 57}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	20.68	119.9	119.8	741.2	58.15	4638.
Stddev	.09	.1	.0	2.4	.03	5.
%RSD	.4161	.0976	.0021	.3216	.0494	.1043
#1	20.61	120.0	119.8	739.6	58.13	4642.
#2	20.74	119.8	119.8	742.9	58.17	4635.

Elem	Na5895	Ni2316	Zn2138
Line	589.592 { 57}	231.604 {145}	213.856 {157}
Units	Cts/S	Cts/S	Cts/S
Avg	2470.	990.3	2767.
Stddev	4.	1.7	3.
%RSD	.1721	.1679	.1193
#1	2467.	989.1	2765.
#2	2473.	991.4	2770.

Method: SPEX

Sample Name: 200.7

Operator:

Comment:

Run Time: 08/25/09 10:00 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	As1937	Cr3578	Li6103	Se1960	Sn1899	V 2924
Line	193.759 {173}	357.869 { 94}	610.362 { 55}	196.090 {171}	189.989 {176}	292.402 {115}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	33.68	19.11	208.6	29.68	68.51	16.17
Stddev	.04	.18	.4	.01	.20	.21
%RSD	.1211	.9659	.2083	.0288	.2879	1.286
#1	33.66	18.98	208.3	29.68	68.37	16.02
#2	33.71	19.24	208.9	29.69	68.65	16.32

Method: SPEX Sample Name: 1 PPM AG Operator:
Comment:
Run Time: 08/25/09 10:06 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Ag3280
Line	328.068 {102}
Units	Cts/S
Avg	19.02
Stddev	.08
%RSD	.3988
#1	18.96
#2	19.07

Method: SPEX Sample Name: Blank

Operator:

Comment:

Run Time: 08/25/09 10:52 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0028	.3936	.0083	.0728	-.0367	.1293
Stddev	.0274	.0156	.0274	.0332	.0179	.0362
%RSD	989.3	3.971	330.1	45.54	48.72	28.02

#1	-.0222	.3826	-.0111	.0494	-.0494	.1549
#2	.0166	.4047	.0277	.0962	-.0241	.1036

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.828	.3908	-.0478	.0222	.1080	.0093
Stddev	.078	.0079	.0065	.0274	.0436	.0227
%RSD	.7907	2.019	13.68	123.7	40.41	245.2

#1	9.883	.3964	-.0432	.0416	.1388	-.0068
#2	9.773	.3853	-.0524	.0028	.0771	.0253

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0097	.1608	3.486	.0528	.2149	-24.53
Stddev	.0333	.0078	.026	.0336	.0020	.18
%RSD	343.5	4.864	.7347	63.69	.9252	.7224

#1	-.0139	.1552	3.468	.0765	.2163	-24.40
#2	.0333	.1663	3.504	.0290	.2135	-24.65

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0984	.4498	.0438	-46.69	8.637	-.0817
Stddev	.0020	.0183	.0227	.24	.131	.0109
%RSD	2.005	4.077	51.79	.5035	1.511	13.34

#1	.0998	.4627	.0278	-46.53	8.729	-.0895
#2	.0970	.4368	.0598	-46.86	8.545	-.0740

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.2964	-.0284	-.0152	-.0083	.1073	.1101
Stddev	.0284	.0157	.0294	.0031	.0393	.0004
%RSD	9.569	55.34	192.9	36.67	36.57	.3999

#1	-.3165	-.0173	.0055	-.0105	.0796	.1104
#2	-.2764	-.0395	-.0360	-.0062	.1351	.1098

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0614	.0638	-.0031	.0042	-.0645	.0305
Stddev	.0109	.0118	.0087	.0020	.0100	.0039
%RSD	17.76	18.46	282.8	47.12	15.56	12.84

#1	.0537	.0721	-.0093	.0028	-.0574	.0277
#2	.0691	.0554	.0031	.0055	-.0716	.0333

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0645	-.0291	-.0262	.2634	-.1206
Stddev	.0004	.0059	.0214	.0096	.0529
%RSD	.6733	20.19	81.51	3.640	43.90

#1	-.0642	-.0249	-.0111	.2567	-.1580
#2	-.0648	-.0333	-.0413	.2702	-.0831

El Name	Slope	Y-int	Correlation	Date Stdized
Ag3280	0.0190	-0.0028	1.0000000	08/25/09 10:55:36
Al3082	0.0020	0.3936	1.0000000	08/25/09 10:55:36
Al3961	0.0120	0.0083	1.0000000	08/25/09 10:55:36
As1937	0.0168	0.0728	1.0000000	08/25/09 10:55:36
Au2427	38.1169	0.0620	1.0000000	04/13/09 11:04:45
B_2496	0.1462	0.1293	1.0000000	08/25/09 10:55:36
Ba4934	1.0744	9.8276	1.0000000	08/25/09 10:55:36
Be3130	0.6818	0.3908	1.0000000	08/25/09 10:55:36
Bi1902	0.0038	-0.0478	1.0000000	08/25/09 10:55:36
Ca3179	0.0120	0.0222	1.0000000	08/25/09 10:55:36
Cd2288	0.3680	0.1080	1.0000000	08/25/09 10:55:36
Co2286	0.2945	0.0093	1.0000000	08/25/09 10:55:36
Cr3578	0.0095	0.0097	1.0000000	08/25/09 10:55:36
Cu3247	0.0239	0.1608	1.0000000	08/25/09 10:55:36
Fe2599	0.4398	3.4863	1.0000000	08/25/09 10:55:36
In2306	0.0372	0.0528	1.0000000	08/25/09 10:55:36
K_7664	0.0741	0.2149	1.0000000	08/25/09 10:55:36
Li6103	0.1166	-24.5253	1.0000000	08/25/09 10:55:36
Mg3838	0.0058	0.0984	1.0000000	08/25/09 10:55:36
Mn2576	1.6241	0.4498	1.0000000	08/25/09 10:55:36
Mo2020	0.1102	0.0438	1.0000000	08/25/09 10:55:36
Na5889	0.4685	-46.6932	1.0000000	08/25/09 10:55:36
Na5895	0.2461	8.6371	1.0000000	08/25/09 10:55:36
Ni2316	0.1981	-0.0817	1.0000000	08/25/09 10:55:36
Os2255	0.0228	-0.2964	1.0000000	08/25/09 10:55:36
Pb2203	0.0297	-0.0284	1.0000000	08/25/09 10:55:36
Pd3242	0.0032	-0.0152	1.0000000	08/25/09 10:55:36
Pt2036	0.0039	-0.0083	1.0000000	08/25/09 10:55:36
Pt2144	0.0222	0.1073	1.0000000	08/25/09 10:55:36
Sb2068	0.0229	0.1101	1.0000000	08/25/09 10:55:36
Se1960	0.0148	0.0614	1.0000000	08/25/09 10:55:36
Si2881	0.0019	0.0638	1.0000000	08/25/09 10:55:36
Sn1899	0.0343	-0.0031	1.0000000	08/25/09 10:55:36
Sr3464	0.0158	0.0042	1.0000000	08/25/09 10:55:36
Te2142	0.0181	-0.0645	1.0000000	08/25/09 10:55:36
Ti3361	0.0573	0.0305	1.0000000	08/25/09 10:55:36
Tl1908	0.0092	-0.0645	1.0000000	08/25/09 10:55:36
V_2924	0.0081	-0.0291	1.0000000	08/25/09 10:55:36
W_2397	0.0451	-0.0262	1.0000000	08/25/09 10:55:36
Zn2138	0.5534	0.2634	1.0000000	08/25/09 10:55:36
Zr3391	0.0461	-0.1206	1.0000000	08/25/09 10:55:36

Method: SPEX

Sample Name: ICV-1

Operator:

Comment:

Run Time: 08/25/09 10:56 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	512.6	2139.	2149.	1958.	<.0000	2148.
Stddev	.7	4.	6.	8.	.0006	5.
%RSD	.1391	.1793	.2605	.4325	.3939	.2556
#1	512.1	2136.	2153.	1952.	<.0000	2144.
#2	513.1	2141.	2145.	1964.	<.0000	2152.
Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	2066.	2019.	4.327	2066.	2147.	2036.
Stddev	4.	19.	.693	.	5.	4.
%RSD	.1790	.9463	16.02	.0175	.2412	.2114
#1	2063.	2033.	4.817	2067.	2144.	2033.
#2	2068.	2006.	3.837	2066.	2151.	2039.
Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2045.	2088.	2107.	<.0000	9744.	2014.
Stddev	12.	16.	4.	.8324	55.	2.
%RSD	.5940	.7444	.1729	30.24	.5663	.0951
#1	2054.	2099.	2104.	<.0000	9783.	2015.
#2	2037.	2077.	2109.	<.0000	9705.	2012.
Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2005.	2021.	2012.	2355.	2125.	2091.
Stddev	7.	4.	16.	4.	16.	6.
%RSD	.3555	.1735	.8013	.1708	.7576	.2654
#1	2010.	2018.	2001.	2358.	2113.	2087.
#2	2000.	2023.	2023.	2352.	2136.	2095.
Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	2188.	<.0000	29.90	<.0000	1932.
Stddev	1.261	4.	.6053	.55	19.72	75.
%RSD	6.171	.1774	6.429	1.850	1.472	3.891
#1	<.0000	2185.	<.0000	29.50	<.0000	1878.
#2	<.0000	2191.	<.0000	30.29	<.0000	1985.
Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1916.	4473.	2018.	2051.	<.0000	<.0000
Stddev	5.	32.	2.	14.	4.052	.1027
%RSD	.2557	.7078	.0973	.6636	1.712	7.444
#1	1912.	4451.	2017.	2041.	<.0000	<.0000
#2	1919.	4496.	2019.	2061.	<.0000	<.0000
Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391	
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}	
Units	ppb	ppb	ppb	ppb	ppb	
Avg	2096.	2028.	<.0000	2059.	3.188	
Stddev	4.	12.	3.215	4.	.128	
%RSD	.2076	.6103	.4698	.1875	4.004	
#1	2093.	2037.	<.0000	2056.	3.279	
#2	2099.	2020.	<.0000	2062.	3.098	

Method: SPEX Sample Name: ICB-1 Operator:
 Comment:
 Run Time: 08/25/09 11:04 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	6.137	.0002	<.0000	<.0000	.5760
Stddev	.3091	4.835	6.864	.5452	.0004	.2327
%RSD	28.28	78.77	3136000.	12.12	15.76	40.40

#1	<.0000	9.556	4.854	<.0000	<.0000	.4114
#2	<.0000	2.719	<.0000	<.0000	<.0000	.7405

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	.3218	<.0000	4.573	.9253	.0755	<.0000
Stddev	.1333	.0086	1.963	.9817	.0237	.0074
%RSD	41.43	38.45	42.94	106.1	31.42	28.32

#1	.4161	<.0000	3.185	.2311	.0922	<.0000
#2	.2275	<.0000	5.961	1.619	.0587	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1.913	.1919	.1078	1.347	<.0000
Stddev	3.694	1.559	.2004	.6096	.555	.9117
%RSD	231.4	81.45	104.5	565.4	41.25	84.55

#1	1.016	3.015	.3336	.5389	.9538	<.0000
#2	<.0000	.8114	.0501	<.0000	1.739	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	4.433	9.737	<.0000	.1059
Stddev	2.025	.0067	.926	.002	.5660	.0462
%RSD	65.24	20.92	20.89	.0175	32.07	43.67

#1	<.0000	<.0000	5.088	9.735	<.0000	.0732
#2	<.0000	<.0000	3.778	9.738	<.0000	.1386

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9452	<.0000	<.0000	1.330	<.0000	.4043
Stddev	1.127	.1615	1.209	.000	.3539	.1611
%RSD	119.2	4.562	94.26	.0032	60.63	39.84

#1	1.742	<.0000	<.0000	1.330	<.0000	.5182
#2	.1482	<.0000	<.0000	1.330	<.0000	.2904

Elem	Sel960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	.1981	<.0000	.5623	<.0000
Stddev	.7659	10.23	.0255	2.480	.0964	.5816
%RSD	69.39	353.2	12.85	314.3	17.14	104.5

#1	<.0000	4.339	.2161	.9645	.4941	<.0000
#2	<.0000	<.0000	.1801	<.0000	.6304	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	<.0000	.0312	2.075
Stddev	.0476	.7257	.2710	.0252	.085
%RSD	7.074	23.57	74.71	80.87	4.098

#1	<.0000	<.0000	<.0000	.0134	2.135
#2	<.0000	<.0000	<.0000	.0491	2.015

Method: SPEX

Sample Name: CRI-1

Operator:

Comment:

Run Time: 08/25/09 11:07 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B_2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	17.27	15.60	7.164	18.01	<.0000	.3944
Stddev	.52	.95	2.942	.39	.0009	.3102
%RSD	2.989	6.121	41.06	2.168	10.57	78.64
#1	16.90	16.28	5.084	18.28	<.0000	.1751
#2	17.63	14.93	9.244	17.73	<.0000	.6138
Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	.1894	9.037	5.553	<.0000	9.813	94.67
Stddev	.1428	.009	1.963	.1638	.033	.28
%RSD	75.39	.1011	35.35	2.575	.3312	.2972
#1	.0884	9.031	6.941	<.0000	9.836	94.47
#2	.2903	9.044	4.165	<.0000	9.790	94.87
Elem	Cr3578	Cu3247	Fe2599	In2306	K_7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.12	46.79	<.0000	.0911	.4294	<.0000
Stddev	2.26	1.06	.0297	.3047	.2117	2.023
%RSD	13.18	2.272	.4479	334.5	49.30	100.3
#1	18.72	47.54	<.0000	<.0000	.2797	<.0000
#2	15.53	46.04	<.0000	.3066	.5791	<.0000
Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.291	28.33	1.466	7.495	<.0000	79.22
Stddev	1.687	.01	.507	.243	.4283	.04
%RSD	39.31	.0321	34.55	3.246	8.380	.0508
#1	5.484	28.32	1.825	7.667	<.0000	79.19
#2	3.098	28.33	1.108	7.323	<.0000	79.25
Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.878	4.890	4.276	3.365	<.0000	111.7
Stddev	.153	.162	.605	.221	1.298	.0
%RSD	8.168	3.306	14.14	6.573	51.86	.0050
#1	1.769	5.004	3.849	3.208	<.0000	111.7
#2	1.986	4.776	4.704	3.521	<.0000	111.7
Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.914	26.76	.1801	2.016	<.0000	<.0000
Stddev	2.680	19.44	.3056	2.727	1.158	.4447
%RSD	27.03	72.66	169.7	135.3	11.57	122.5
#1	8.019	13.01	.3962	3.944	<.0000	<.0000
#2	11.81	40.50	<.0000	.0876	<.0000	<.0000
Elem	Tl1908	V_2924	W_2397	Zn2138	Zr3391	
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}	
Units	ppb	ppb	ppb	ppb	ppb	
Avg	20.11	87.23	<.0000	39.10	.7826	
Stddev	.62	.25	.1533	.01	1.828	
%RSD	3.077	.2824	.4771	.0253	233.7	
#1	20.54	87.06	<.0000	39.09	2.075	
#2	19.67	87.41	<.0000	39.10	<.0000	

Method: SPEX

Sample Name: ICSA-1

Operator:

Comment:

Run Time: 08/25/09 11:11 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	493900.	436500.	<.0000	<.0000	<.0000
Stddev	1.547	487.	266.	1.145	.0217	.2093
%RSD	5.137	.0986	.0608	1.564	1.605	.0518

#1	<.0000	493500.	436700.	<.0000	<.0000	<.0000
#2	<.0000	494200.	436400.	<.0000	<.0000	<.0000

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	.8503	<.0000	62.57	443800.	<.0000	.6978
Stddev	.1295	.0604	2.89	5473.	.0036	.0356
%RSD	15.23	3353.	4.613	1.233	.3847	5.100

#1	.9418	<.0000	64.61	440000.	<.0000	.6726
#2	.7587	.0409	60.53	447700.	<.0000	.7229

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	159900.	<.0000	<.0000	<.0000
Stddev	2.464	.8208	277.	.8783	2.117	21.67
%RSD	130.6	2.852	.1732	2.682	15.65	4.287

#1	<.0000	<.0000	160100.	<.0000	<.0000	<.0000
#2	<.0000	<.0000	159700.	<.0000	<.0000	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	468200.	<.0000	<.0000	56.84	46.75	<.0000
Stddev	234.	.0856	.1543	2.33	2.59	.0050
%RSD	.0501	2.408	5.043	4.108	5.540	.0334

#1	468400.	<.0000	<.0000	55.19	44.92	<.0000
#2	468000.	<.0000	<.0000	58.49	48.58	<.0000

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1845.	<.0000	13.69	2730.	<.0000	11.97
Stddev	38.	2.889	6.66	16.	.8879	.17
%RSD	2.072	2.528	48.62	.6044	1.069	1.438

#1	1818.	<.0000	8.982	2742.	<.0000	11.84
#2	1872.	<.0000	18.39	2718.	<.0000	12.09

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	26.80	1.405	2.281	1.738	<.0000
Stddev	.2368	11.26	.102	2.109	.362	1.472
%RSD	.7800	42.02	7.248	92.46	20.81	7.145

#1	<.0000	34.76	1.477	3.772	1.482	<.0000
#2	<.0000	18.84	1.333	.7896	1.994	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	<.0000	<.0000	<.0000
Stddev	.5701	3.389	9.433	.0534	.7235
%RSD	6.862	8.798	7.222	4.323	5.808

#1	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000

Method: SPEX

Sample Name: ICSAB-1

Operator:

Comment:

Run Time: 08/25/09 11:16 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	994.1	496700.	439100.	<.0000	<.0000	<.0000
Stddev	11.1	302.	508.	2.155	.0239	1.813
%RSD	1.113	.0608	.1158	2.704	1.725	.4282

#1	986.3	496900.	439400.	<.0000	<.0000	<.0000
#2	1002.	496500.	438700.	<.0000	<.0000	<.0000

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	488.6	467.5	58.15	448800.	1002.	495.8
Stddev	4.5	4.5	1.50	7594.	8.	1.1
%RSD	.9120	.9530	2.582	1.692	.8294	.2237

#1	485.4	470.7	57.09	454200.	995.9	495.0
#2	491.7	464.4	59.22	443400.	1008.	496.6

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	532.6	459.7	160400.	<.0000	<.0000	<.0000
Stddev	2.3	2.6	258.	.1994	.6619	48.17
%RSD	.4272	.5681	.1611	.6312	4.433	9.265

#1	531.0	461.5	160200.	<.0000	<.0000	<.0000
#2	534.2	457.8	160500.	<.0000	<.0000	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	469500.	439.8	<.0000	54.18	44.15	1069.
Stddev	2285.	.3	.0079	1.19	.47	6.
%RSD	.4866	.0578	.2757	2.199	1.070	.5657

#1	467900.	440.0	<.0000	53.34	43.82	1064.
#2	471100.	439.6	<.0000	55.03	44.49	1073.

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1971.	1114.	20.53	2822.	<.0000	16.69
Stddev	23.	6.	.61	34.	39.17	.76
%RSD	1.183	.5494	2.949	1.192	7.704	4.565

#1	1987.	1110.	20.11	2799.	<.0000	16.15
#2	1954.	1119.	20.96	2846.	<.0000	17.23

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	4.356	.9816	5.877	<.0000	<.0000
Stddev	.5008	10.24	.0127	.744	1.326	.0336
%RSD	1.768	235.0	1.297	12.66	2.491	.1561

#1	<.0000	<.0000	.9906	6.404	<.0000	<.0000
#2	<.0000	11.60	.9726	5.351	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	515.0	<.0000	932.8	<.0000
Stddev	2.616	1.5	5.459	8.7	.0856
%RSD	20.05	.2851	2.011	.9317	.7126

#1	<.0000	514.0	<.0000	926.6	<.0000
#2	<.0000	516.1	<.0000	938.9	<.0000

Method: SPEX

Sample Name: CCV-1

Operator:

Comment:

Run Time: 08/25/09 11:22 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	515.6	2115.	2146.	1958.	<.0000	2152.
Stddev	.8	14.	2.	9.	.0012	5.
%RSD	.1575	.6426	.1042	.4358	.8248	.2225
#1	516.1	2106.	2148.	1952.	<.0000	2148.
#2	515.0	2125.	2145.	1964.	<.0000	2155.
Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	2086.	2028.	4.245	2080.	2145.	2037.
Stddev	6.	.	2.195	5.	5.	4.
%RSD	.3053	.0196	51.69	.2179	.2185	.1741
#1	2091.	2028.	5.797	2083.	2141.	2034.
#2	2082.	2028.	2.694	2077.	2148.	2039.
Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2035.	2102.	2134.	<.0000	9645.	2020.
Stddev	4.	1.	10.	.6918	2.	1.
%RSD	.2043	.0337	.4812	22.43	.0253	.0444
#1	2032.	2102.	2141.	<.0000	9643.	2020.
#2	2038.	2103.	2127.	<.0000	9647.	2019.
Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2011.	2028.	2002.	1880.	2138.	2092.
Stddev	12.	2.	21.	6.	1.	4.
%RSD	.5855	.1127	1.051	.2955	.0321	.1848
#1	2019.	2026.	1987.	1876.	2138.	2089.
#2	2002.	2029.	2017.	1884.	2137.	2095.
Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1877.	<.0000	28.25	<.0000	1916.
Stddev	1.261	.	4.841	1.11	.8326	79.
%RSD	6.440	.0175	59.53	3.917	.0623	4.101
#1	<.0000	1876.	<.0000	27.47	<.0000	1860.
#2	<.0000	1877.	<.0000	29.03	<.0000	1971.
Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1911.	4510.	2021.	2073.	<.0000	<.0000
Stddev	5.	33.	4.	.	1.059	.0684
%RSD	.2446	.7239	.1993	.0155	.4489	3.821
#1	1908.	4533.	2018.	2073.	<.0000	<.0000
#2	1915.	4487.	2024.	2073.	<.0000	<.0000
Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391	
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}	
Units	ppb	ppb	ppb	ppb	ppb	
Avg	2098.	2034.	<.0000	2054.	3.519	
Stddev	7.	2.	2.803	4.	1.276	
%RSD	.3192	.0808	.4082	.1753	36.27	
#1	2093.	2035.	<.0000	2051.	4.422	
#2	2102.	2033.	<.0000	2056.	2.617	

Method: SPEX

Sample Name: CCB-1

Operator:

Comment:

Run Time: 08/25/09 11:33 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	15.69	<.0000	<.0000	<.0000	.2657
Stddev	.5153	22.21	3.432	.3374	.0016	.1879
%RSD	64.30	141.6	330.0	7.692	63.20	70.72

#1	<.0000	<.0000	<.0000	<.0000	<.0000	.3986
#2	<.0000	31.40	1.387	<.0000	<.0000	.1328

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	.3536	<.0000	5.227	<.0000	.0369	<.0000
Stddev	.0808	.0460	.346	.8182	.0474	.0533
%RSD	22.84	188.2	6.629	21.43	128.6	59.20

#1	.4107	.0081	4.982	<.0000	.0704	<.0000
#2	.2965	<.0000	5.472	<.0000	.0033	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	.6372	.5699	.4310	.7105	<.0000
Stddev	5.336	1.231	.2718	.4572	1.613	.6277
%RSD	216.3	193.1	47.69	106.1	227.1	23.17

#1	<.0000	1.507	.7621	.1077	<.0000	<.0000
#2	1.306	<.0000	.3778	.7542	1.851	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	1.273	10.73	<.0000	.3130
Stddev	5.063	.0099	.004	.28	.2291	.0220
%RSD	232600.	48.86	.3099	2.647	58.34	7.037

#1	<.0000	<.0000	1.276	10.93	<.0000	.2975
#2	3.578	<.0000	1.271	10.52	<.0000	.3286

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6761	<.0000	4.704	1.096	.1666	<.0000
Stddev	.1717	.3964	7.257	.332	.4718	.8105
%RSD	25.40	12.52	154.3	30.30	283.2	65.84

#1	.5547	<.0000	<.0000	1.330	.5001	<.0000
#2	.7975	<.0000	9.835	.8608	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	13.74	<.0000	2.104	<.0000	<.0000
Stddev	.2651	7.17	.3565	1.116	.6506	.7527
%RSD	106.0	52.14	198.0	53.04	112.3	194.4

#1	<.0000	18.81	<.0000	2.893	<.0000	.1451
#2	<.0000	8.677	.0720	1.315	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.018	2.737	<.0000	.0055	.5718
Stddev	.143	3.629	.7064	.0237	.3401
%RSD	7.068	132.6	97.41	431.3	59.49

#1	1.917	.1713	<.0000	<.0000	.8123
#2	2.118	5.304	<.0000	.0222	.3313

Method: SPEX

Sample Name: MB-22194, IW

Operator:

Comment:

Run Time: 08/25/09 11:37 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	.8021	15.84	2.545	<.0000	<.0000	.7366
Stddev	.7218	2.90	.327	1.272	.0001	.0717
%RSD	89.99	18.32	12.86	33.16	3.944	9.732

#1	.2917	13.79	2.776	<.0000	<.0000	.7873
#2	1.313	17.89	2.313	<.0000	<.0000	.6859

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	.0119	.0064	12.58	11.69	.4595	<.0000
Stddev	.2593	.0029	4.97	.16	.0427	.1437
%RSD	2176.	44.70	39.50	1.399	9.295	2750.

#1	<.0000	.0044	16.09	11.81	.4897	.0964
#2	.1952	.0085	9.064	11.58	.4293	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1.107	34.90	<.0000	28.32	<.0000
Stddev	2.464	.082	.37	.6215	6.46	1.227
%RSD	242.6	7.412	1.074	110.3	22.81	20.98

#1	<.0000	1.165	35.16	<.0000	32.88	<.0000
#2	.7269	1.049	34.63	<.0000	23.75	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	.2829	.7727	347.6	388.3	.1993
Stddev	7.095	.0298	.2534	36.5	45.3	.0727
%RSD	74.33	10.53	32.80	10.49	11.67	36.47

#1	<.0000	.2619	.9518	373.4	420.4	.2507
#2	<.0000	.3040	.5935	321.9	356.3	.1479

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.321	<.0000	3.420	3.365	.0844	1.125
Stddev	2.044	.1468	1.816	1.328	.5897	1.824
%RSD	154.7	6.365	53.09	39.47	698.6	162.1

#1	2.767	<.0000	2.136	2.426	<.0000	2.415
#2	<.0000	<.0000	4.704	4.304	.5014	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	3.640	.6664	1.404	.2549	<.0000
Stddev	.0295	7.168	.1274	1.861	.5787	.4793
%RSD	1.731	196.9	19.11	132.6	227.0	76.19

#1	<.0000	<.0000	.7565	2.720	<.0000	<.0000
#2	<.0000	8.709	.5764	.0879	.6641	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.025	2.566	.6912	1.662	.7208
Stddev	1.950	.968	.3290	.041	.5533
%RSD	64.46	37.74	47.60	2.469	76.76

#1	1.646	3.251	.9239	1.691	.3295
#2	4.404	1.881	.4585	1.633	1.112

Method: SPEX

Sample Name: LCS-22194,IW

Operator:

Comment:

Run Time: 08/25/09 11:45 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	535.3	2190.	2218.	2041.	<.0000	1942.
Stddev	.5	9.	11.	2.	.0034	1.
%RSD	.0954	.3981	.4949	.0747	2.290	.0359

#1	535.7	2184.	2210.	2042.	<.0000	1943.
#2	535.0	2196.	2225.	2039.	<.0000	1942.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	2126.	2157.	4.572	2156.	2200.	2117.
Stddev	2.	6.	.115	10.	2.	5.
%RSD	.0875	.2953	2.524	.4413	.0984	.2450

#1	2127.	2152.	4.654	2149.	2201.	2120.
#2	2124.	2161.	4.490	2163.	2198.	2113.

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2140.	2184.	2191.	<.0000	9595.	2110.
Stddev	.	5.	8.	.3869	30.	4.
%RSD	.0201	.2132	.3724	10.85	.3103	.1827

#1	2140.	2188.	2185.	<.0000	9574.	2107.
#2	2140.	2181.	2197.	<.0000	9617.	2113.

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2089.	2112.	2090.	2044.	1850.	2173.
Stddev	16.	1.	21.	12.	14.	9.
%RSD	.7609	.0445	1.012	.5784	.7704	.3987

#1	2078.	2113.	2075.	2053.	1860.	2179.
#2	2100.	2112.	2105.	2036.	1840.	2167.

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1933.	<.0000	28.25	<.0000	2081.
Stddev	1.204	8.	7.866	.89	123.1	8.
%RSD	5.500	.4238	57.44	3.135	8.859	.3672

#1	<.0000	1927.	<.0000	28.88	<.0000	2086.
#2	<.0000	1939.	<.0000	27.63	<.0000	2075.

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1980.	9975.	2092.	2142.	<.0000	<.0000
Stddev	6.	20.	.	5.	2.095	.1369
%RSD	.2791	.2044	.0101	.2192	.8538	5.338

#1	1984.	9989.	2092.	2145.	<.0000	<.0000
#2	1976.	9960.	2093.	2138.	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	2060.	2124.	<.0000	2113.	3.971
Stddev	3.	8.	18.23	10.	.723
%RSD	.1515	.3883	2.551	.4839	18.22

#1	2058.	2118.	<.0000	2121.	4.482
#2	2062.	2130.	<.0000	2106.	3.459

Method: SPEX

Sample Name: 090812001-001B,IW

Operator:

Comment:

Run Time: 08/25/09 11:46 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	1.094	73.22	33.18	.0558	<.0000	8321.
Stddev	.103	4.84	5.72	.0779	.0005	2.
%RSD	9.430	6.612	17.24	139.6	6.530	.0240

#1	1.166	76.64	29.14	.1108	<.0000	8323.
#2	1.021	69.79	37.23	.0007	<.0000	8320.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	224.8	.2239	6.614	107600.	<.0000	.5427
Stddev	1.2	.0345	5.082	92.	.0723	.0563
%RSD	.5323	15.42	76.84	.0857	76.38	10.37

#1	225.7	.2483	10.21	107500.	<.0000	.5825
#2	224.0	.1995	3.020	107600.	<.0000	.5029

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34.12	.7569	82.18	<.0000	5631.	<.0000
Stddev	5.34	1.067	.36	.3283	11.	9.129
%RSD	15.65	141.0	.4438	113.2	.1905	1.762

#1	37.90	1.511	82.44	<.0000	5623.	<.0000
#2	30.34	.0024	81.92	<.0000	5638.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29100.	4562.	9.797	58520.	72670.	3.511
Stddev	21.	7.	3.555	278.	167.	.258
%RSD	.0725	.1455	36.28	.4756	.2295	7.340

#1	29080.	4567.	12.31	58720.	72790.	3.693
#2	29110.	4558.	7.283	58330.	72560.	3.329

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.119	<.0000	7.698	<.0000	.0425	.5396
Stddev	1.720	.2937	5.445	.1107	.2950	1.162
%RSD	81.15	9.182	70.73	7.072	694.5	215.4

#1	.9031	<.0000	3.848	<.0000	<.0000	1.361
#2	3.335	<.0000	11.55	<.0000	.2510	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.459	7869.	.5043	416.1	1.175	<.0000
Stddev	.088	12.	.2547	1.0	1.736	.7530
%RSD	3.596	.1532	50.51	.2415	147.6	43.22

#1	2.521	7861.	.3242	416.8	<.0000	<.0000
#2	2.396	7878.	.6844	415.3	2.403	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	.6832	<.0000	28.81	1.804
Stddev	5.850	.2420	.1355	.02	.213
%RSD	17.82	35.41	15.12	.0569	11.79

#1	<.0000	.8543	<.0000	28.82	1.955
#2	<.0000	.5121	<.0000	28.79	1.654

Method: SPEX Sample Name: 090812001-002B, IW Operator:
 Comment:
 Run Time: 08/25/09 11:50 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	62.28	<.0000	<.0000	<.0000	18190.
Stddev	2.577	2.91	13.08	.3894	.0011	21.
%RSD	168.4	4.670	5665.	19.83	2.142	.1171

#1	.2916	60.22	9.019	<.0000	<.0000	18180.
#2	<.0000	64.34	<.0000	<.0000	<.0000	18210.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	214.1	.1812	3.019	132600.	<.0000	<.0000
Stddev	.2	.0316	2.080	40.	.1411	.0296
%RSD	.1065	17.45	68.89	.0304	72.88	30.10

#1	214.3	.2036	1.548	132700.	<.0000	<.0000
#2	213.9	.1589	4.490	132600.	<.0000	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.25	1.743	81.73	<.0000	4238.	<.0000
Stddev	4.11	2.133	.02	.7153	4.	7.839
%RSD	16.93	122.4	.0270	308.6	.0960	1.479

#1	27.15	3.252	81.71	.2740	4235.	<.0000
#2	21.34	.2348	81.74	<.0000	4241.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43480.	8.356	3.099	57250.	70190.	<.0000
Stddev	42.	.042	.535	78.	386.	.0198
%RSD	.0970	.4983	17.25	.1369	.5497	157.5

#1	43510.	8.385	3.477	57300.	69920.	.0014
#2	43460.	8.326	2.721	57190.	70460.	<.0000

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.172	<.0000	<.0000	<.0000	.5853	<.0000
Stddev	.191	.0879	.6049	1.439	1.180	.4000
%RSD	16.27	1.604	35.30	27.86	201.6	23.96

#1	1.307	<.0000	<.0000	<.0000	1.420	<.0000
#2	1.037	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	8431.	.3152	573.6	1.192	<.0000
Stddev	.5599	22.	.5732	1.7	.361	.0342
%RSD	53.81	.2647	181.8	.3004	30.32	1.129

#1	<.0000	8447.	.7205	574.8	1.448	<.0000
#2	<.0000	8415.	<.0000	572.4	.9367	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	.5120	.7117	16.91	1.022
Stddev	5.561	2.905	1.113	.01	.298
%RSD	4.525	567.3	156.4	.0622	29.14

#1	<.0000	2.566	1.499	16.91	.8115
#2	<.0000	<.0000	<.0000	16.92	1.233

Method: SPEX

Sample Name: 090812001-003B,IW

Operator:

Comment:

Run Time: 08/25/09 11:54 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	.0729	82.10	33.65	<.0000	<.0000	1288.
Stddev	.5155	3.87	2.12	.0520	.0006	35.
%RSD	706.7	4.709	6.317	1.402	1.587	2.755

#1	.4374	79.37	32.14	<.0000	<.0000	1313.
#2	<.0000	84.83	35.15	<.0000	<.0000	1263.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	28.10	.0063	6.450	74870.	<.0000	<.0000
Stddev	.09	.0201	.232	176.	.0047	.0578
%RSD	.3254	319.4	3.590	.2349	1.914	100.3

#1	28.16	.0205	6.614	74990.	<.0000	<.0000
#2	28.03	<.0000	6.287	74740.	<.0000	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29.62	1.105	120.0	.3236	877.5	<.0000
Stddev	.62	.410	4.1	.4454	9.1	4.930
%RSD	2.080	37.13	3.417	137.6	1.032	4.948

#1	30.05	.8147	122.9	.6386	883.9	<.0000
#2	29.18	1.395	117.1	.0086	871.1	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16200.	18.55	2.838	5796.	5426.	.6666
Stddev	16.	.36	.483	4.	20.	.0242
%RSD	.1017	1.957	17.01	.0697	.3757	3.631

#1	16190.	18.81	3.180	5793.	5412.	.6837
#2	16220.	18.29	2.497	5799.	5441.	.6495

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.889	<.0000	<.0000	.3128	<.0000	.1761
Stddev	.669	.7641	4.840	1.217	1.062	.2283
%RSD	23.17	16.21	376.5	389.2	106.2	129.7

#1	3.362	<.0000	2.137	<.0000	<.0000	.3376
#2	2.415	<.0000	<.0000	1.174	<.0000	.0146

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	7613.	.0270	221.3	.1698	<.0000
Stddev	1.473	7.	.1910	2.7	1.374	1.403
%RSD	133.5	.0946	707.3	1.233	809.1	156.7

#1	<.0000	7619.	<.0000	219.4	<.0000	.0970
#2	<.0000	7608.	.1621	223.2	1.141	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.32	<.0000	.4173	56.59	1.804
Stddev	2.38	.2420	.8905	1.17	.553
%RSD	23.04	17.66	213.4	2.071	30.66

#1	8.641	<.0000	1.047	57.42	2.195
#2	12.00	<.0000	<.0000	55.76	1.413

Method: SPEX

Sample Name: 090812001-004B,IW

Operator:

Comment:

Run Time: 08/25/09 11:57 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	70.48	30.87	.0924	<.0000	16470.
Stddev	1.753	6.76	8.34	.7011	.0003	27.
%RSD	89.05	9.589	27.02	758.8	.8433	.1644

#1	<.0000	75.26	24.97	.5882	<.0000	16490.
#2	<.0000	65.70	36.77	<.0000	<.0000	16450.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	36.40	.0165	3.020	115000.	<.0000	.0451
Stddev	.12	.0460	2.310	68.	.0166	.0933
%RSD	.3376	279.3	76.47	.0592	7.125	207.1

#1	36.48	<.0000	4.654	115100.	<.0000	.1111
#2	36.31	.0490	1.387	115000.	<.0000	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.48	2.149	80.79	<.0000	41720.	<.0000
Stddev	1.64	1.231	.24	.2580	77.	1.597
%RSD	3.457	57.28	.2915	25.30	.1841	.4308

#1	48.64	1.279	80.62	<.0000	41670.	<.0000
#2	46.32	3.020	80.96	<.0000	41780.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41440.	1672.	2.231	45780.	54040.	2.226
Stddev	46.	6.	.170	15.	54.	.167
%RSD	.1114	.3304	7.634	.0328	.0991	7.519

#1	41470.	1675.	2.351	45790.	54070.	2.107
#2	41400.	1668.	2.110	45770.	54000.	2.344

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.701	<.0000	2.565	.3128	<.0000	<.0000
Stddev	.822	1.219	3.025	2.988	.9439	.8574
%RSD	48.32	21.69	118.0	955.3	226.7	40.81

#1	1.119	<.0000	.4256	<.0000	.2510	<.0000
#2	2.282	<.0000	4.704	2.426	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	7934.	.4052	541.2	1.090	<.0000
Stddev	2.474	25.	.2165	1.4	.603	.8557
%RSD	440.3	.3199	53.42	.2494	55.26	36.45

#1	<.0000	7951.	.2522	542.2	1.516	<.0000
#2	1.188	7916.	.5583	540.3	.6644	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	.5748	35.25	1.985
Stddev	2.856	2.663	.8807	.09	1.064
%RSD	2.888	774.7	153.2	.2424	53.59

#1	<.0000	1.539	1.198	35.31	2.737
#2	<.0000	<.0000	<.0000	35.19	1.233

Method: SPEX

Sample Name: 090813037-004C,IW

Operator:

Comment:

Run Time: 08/25/09 12:06 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B_2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	451.9	426.6	5.435	<.0000	167.4
Stddev	.5154	8.7	7.2	2.025	.0002	3.4
%RSD	37.21	1.929	1.684	37.26	.1982	2.016

#1	<.0000	458.1	421.5	6.867	<.0000	169.8
#2	<.0000	445.7	431.7	4.003	<.0000	165.0

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	68.33	.0368	8.084	106100.	<.0000	1.172
Stddev	.52	.0230	3.234	362.	.0818	.197
%RSD	.7665	62.48	40.01	.3410	35.24	16.81

#1	67.96	.0205	5.797	106400.	<.0000	1.033
#2	68.70	.0531	10.37	105900.	<.0000	1.312

Elem	Cr3578	Cu3247	Fe2599	In2306	K_7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	5865.	<.0000	1654.	<.0000
Stddev	4.517	.6563	1.	.9263	2.	1.370
%RSD	1039.	189.8	.0148	114.0	.1063	1.155

#1	2.759	<.0000	5864.	<.0000	1656.	<.0000
#2	<.0000	.1183	5866.	<.0000	1653.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27160.	452.3	1.657	5978.	5615.	.7803
Stddev	59.	.1	.467	21.	.	.1542
%RSD	.2162	.0140	28.19	.3440	.0011	19.76

#1	27200.	452.3	1.987	5963.	5615.	.8894
#2	27120.	452.3	1.327	5993.	5615.	.6713

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59.74	<.0000	2.137	96.34	<.0000	<.0000
Stddev	.67	.0734	13.31	2.66	.1770	.5525
%RSD	1.119	1.648	622.8	2.757	7.447	33.63

#1	59.27	<.0000	11.55	94.46	<.0000	<.0000
#2	60.21	<.0000	<.0000	98.22	<.0000	<.0000

Elem	Sel1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	9461.	.1981	341.9	<.0000	9.028
Stddev	2.092	15.	.2293	3.9	.3857	.240
%RSD	239.3	.1600	115.7	1.127	321.8	2.657

#1	.6048	9450.	.3602	344.6	.1529	9.197
#2	<.0000	9472.	.0360	339.2	<.0000	8.858

Elem	Tl1908	V_2924	W_2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	24.88	1.368	<.0000	137.7	.6610
Stddev	.14	.726	1.355	1.7	1.064
%RSD	.5733	53.09	36.19	1.255	160.9

#1	24.78	.8544	<.0000	138.9	<.0000
#2	24.98	1.881	<.0000	136.4	1.413

Method: SPEX

Sample Name: 090813001-005C,IW

Operator:

Comment:

Run Time: 08/25/09 12:11 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	.8016	83.56	58.52	<.0000	<.0000	7573.
Stddev	2.372	9.54	1.66	.1818	.0001	19.
%RSD	295.9	11.42	2.842	28.32	.2465	.2503

#1	2.479	90.31	57.35	<.0000	<.0000	7586.
#2	<.0000	76.82	59.70	<.0000	<.0000	7559.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	93.54	<.0000	9.963	103400.	.0109	<.0000
Stddev	.83	.0405	.808	654.	.0107	.0193
%RSD	.8877	112.0	8.115	.6328	97.52	4.287

#1	94.13	<.0000	10.53	103800.	.0185	<.0000
#2	92.95	<.0000	9.391	102900.	.0034	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	2.268	207.1	<.0000	2655.	<.0000
Stddev	2.054	1.391	.9	.6097	11.	2.795
%RSD	471.8	61.34	.4411	90.81	.4111	1.462

#1	1.017	3.252	207.8	<.0000	2662.	<.0000
#2	<.0000	1.284	206.5	<.0000	2647.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38910.	9.393	.2716	34560.	39060.	.2507
Stddev	302.	.025	.3602	205.	427.	.0044
%RSD	.7758	.2664	132.6	.5929	1.093	1.760

#1	39130.	9.411	.5263	34700.	39370.	.2476
#2	38700.	9.375	.0169	34410.	38760.	.2538

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.389	<.0000	4.276	<.0000	<.0000	<.0000
Stddev	1.261	.5286	.605	.3320	1.239	.3239
%RSD	28.73	9.091	14.15	13.26	3027.	7.910

#1	3.497	<.0000	3.848	<.0000	<.0000	<.0000
#2	5.280	<.0000	4.704	<.0000	.8350	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	9036.	<.0000	450.7	.7154	<.0000
Stddev	1.002	55.	.3184	2.6	.5544	.0006
%RSD	78.87	.6107	114.0	.5697	77.51	.0327

#1	<.0000	9075.	<.0000	448.9	.3233	<.0000
#2	<.0000	8997.	<.0000	452.5	1.107	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1.710	.1094	179.5	1.413
Stddev	5.183	1.210	.3194	.4	.171
%RSD	13.15	70.76	291.9	.2059	12.09

#1	<.0000	.8543	<.0000	179.8	1.534
#2	<.0000	2.565	.3353	179.2	1.292

Method: SPEX Sample Name: 090813001-005CDP, IW Operator:
Comment:
Run Time: 08/25/09 12:18 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	1.313	88.32	49.96	<.0000	<.0000	7457.
Stddev	.413	20.21	4.24	.6491	.0007	99.
%RSD	31.45	22.89	8.479	41.61	1.209	1.332

#1	1.605	74.02	46.96	<.0000	<.0000	7387.
#2	1.021	102.6	52.95	<.0000	<.0000	7527.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	92.28	<.0000	1.632	105600.	<.0000	<.0000
Stddev	5.16	.0088	.578	5754.	.1055	.1659
%RSD	5.595	20.77	35.40	5.451	504.6	40.20

#1	88.63	<.0000	1.223	101500.	<.0000	<.0000
#2	95.93	<.0000	2.040	109600.	.0537	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1459	2.500	220.7	<.0000	2687.	<.0000
Stddev	.8211	1.727	3.5	.0586	156.	37.79
%RSD	562.7	69.06	1.576	8.040	5.822	17.92

#1	<.0000	3.721	218.3	<.0000	2577.	<.0000
#2	.7266	1.279	223.2	<.0000	2798.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39560.	9.315	.2436	34600.	38970.	.3286
Stddev	2213.	.157	.1148	726.	869.	.1806
%RSD	5.594	1.682	47.13	2.099	2.230	54.97

#1	38000.	9.204	.3247	34080.	38360.	.4563
#2	41130.	9.426	.1624	35110.	39590.	.2009

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.767	<.0000	<.0000	<.0000	<.0000	<.0000
Stddev	.153	1.278	16.34	1.660	1.770	.1524
%RSD	3.206	24.76	635.0	88.38	101.1	7.699

#1	4.659	<.0000	<.0000	<.0000	<.0000	<.0000
#2	4.875	<.0000	8.982	<.0000	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	9234.	.1261	461.3	.2040	<.0000
Stddev	.2946	504.	.3566	22.6	.7954	1.061
%RSD	94.48	5.457	282.9	4.890	389.9	162.4

#1	<.0000	8878.	.3782	445.4	<.0000	<.0000
#2	<.0000	9591.	<.0000	477.3	.7665	.0970

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1.025	1.786	176.6	1.082
Stddev	.0003	2.664	1.103	2.9	.724
%RSD	.0009	260.0	61.77	1.648	66.93

#1	<.0000	<.0000	2.566	174.5	.5698
#2	<.0000	2.908	1.006	178.7	1.594

Method: SPEX

Sample Name: 090813001-005CMS,IW

Operator:

Comment:

Run Time: 08/25/09 12:28 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B_2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	47.53	2235.	2235.	39.18	<.0000	7670.
Stddev	.20	31.	1.	1.45	.0008	4.
%RSD	.4286	1.390	.0491	3.711	.8883	.0465

#1	47.39	2257.	2236.	40.21	<.0000	7668.
#2	47.67	2213.	2234.	38.15	<.0000	7673.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	2181.	53.29	8.738	111500.	51.62	482.4
Stddev	14.	.48	4.620	167.	.13	2.6
%RSD	.6248	.8957	52.88	.1497	.2480	.5415

#1	2171.	53.63	5.471	111600.	51.53	480.5
#2	2190.	52.95	12.00	111400.	51.71	484.2

Elem	Cr3578	Cu3247	Fe2599	In2306	K_7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	201.7	257.8	1296.	.3070	2849.	<.0000
Stddev	1.2	.7	6.	.3517	27.	11.12
%RSD	.6161	.2811	.4256	114.6	.9394	4.958

#1	202.5	257.3	1300.	.5557	2868.	< .0000
#2	200.8	258.3	1292.	.0583	2830.	< .0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42030.	525.3	.2576	35390.	39720.	497.9
Stddev	506.	1.0	.1821	31.	219.	3.0
%RSD	1.204	.1966	70.69	.0885	.5517	.6097

#1	41670.	524.5	.3863	35410.	39570.	495.7
#2	42390.	526.0	.1288	35370.	39880.	500.0

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.875	13.09	9.837	17.84	<.0000	528.8
Stddev	2.216	.75	21.78	1.44	4.483	1.4
%RSD	45.46	5.720	221.4	8.064	20.43	.2630

#1	6.442	13.62	< .0000	18.86	< .0000	527.8
#2	3.308	12.56	25.24	16.83	< .0000	529.8

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.17	9630.	.0450	485.0	<.0000	<.0000
Stddev	.09	98.	.1656	.3	1.567	.0685
%RSD	.8693	1.015	367.8	.0564	2.480	4.163

#1	10.10	9560.	<.0000	485.2	< .0000	<.0000
#2	10.23	9699.	.1621	484.8	< .0000	<.0000

Elem	Tl1908	V_2924	W_2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	511.1	<.0000	702.6	.3903
Stddev	3.995	9.0	6.039	4.5	.4254
%RSD	409.2	1.758	3.786	.6385	109.0

#1	< .0000	517.4	< .0000	699.5	.6911
#2	1.848	504.7	< .0000	705.8	.0895

Method: SPEX

Sample Name: CCV-2

Operator:

Comment:

Run Time: 08/25/09 12:39 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	513.0	2135.	2170.	1947.	<.0000	1840.
Stddev	2.0	5.	9.	12.	.0041	4.
%RSD	.3805	.2277	.4310	.6139	2.852	.2166

#1	514.4	2132.	2163.	1939.	<.0000	1838.
#2	511.6	2139.	2176.	1956.	<.0000	1843.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	2082.	2036.	2.285	2096.	2074.	2031.
Stddev	9.	1.	2.426	8.	6.	10.
%RSD	.4393	.0406	106.2	.3763	.2659	.4680

#1	2075.	2035.	4.000	2090.	2070.	2024.
#2	2088.	2037.	.5697	2101.	2078.	2038.

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2053.	2073.	2133.	<.0000	9806.	2054.
Stddev	2.	4.	8.	.5629	17.	5.
%RSD	.0786	.1914	.3978	19.79	.1770	.2289

#1	2055.	2070.	2139.	<.0000	9794.	2050.
#2	2052.	2076.	2127.	<.0000	9818.	2057.

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2009.	2030.	2009.	1913.	1664.	2084.
Stddev	3.	1.	10.	9.	8.	13.
%RSD	.1695	.0616	.5048	.4835	.4841	.6262

#1	2007.	2030.	2002.	1906.	1658.	2075.
#2	2012.	2031.	2016.	1920.	1669.	2094.

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1900.	<.0000	27.94	<.0000	1866.
Stddev	2.790	8.	1.210	2.44	160.0	121.
%RSD	15.10	.4368	16.63	8.716	10.59	6.483

#1	<.0000	1906.	<.0000	26.22	<.0000	1781.
#2	<.0000	1894.	<.0000	29.66	<.0000	1952.

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1904.	4504.	2031.	2076.	<.0000	<.0000
Stddev	10.	43.	2.	16.	3.614	.2396
%RSD	.5266	.9560	.1003	.7664	1.496	11.38

#1	1897.	4474.	2030.	2064.	<.0000	<.0000
#2	1912.	4535.	2033.	2087.	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	2096.	2054.	<.0000	2039.	3.098
Stddev	4.	6.	19.46	13.	.681
%RSD	.1844	.2725	2.912	.6305	21.98

#1	2093.	2050.	<.0000	2030.	2.617
#2	2099.	2058.	<.0000	2048.	3.579

Method: SPEX

Sample Name: CCB-2

Operator:

Comment:

Run Time: 08/25/09 12:42 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	1.821	25.21	1.964	<.0000	<.0000	6.565
Stddev	1.957	20.28	1.471	1.791	.0009	1.048
%RSD	107.5	80.45	74.87	80.65	36.62	15.96

#1	3.205	39.56	.9242	< .0000	<.0000	7.306
#2	.4372	10.87	3.004	< .0000	<.0000	5.824

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	.2498	<.0000	2.205	<.0000	<.0000	<.0000
Stddev	.1767	.0690	4.158	1.145	.1114	.0415
%RSD	70.75	89.12	188.6	29.99	54.03	53.52

#1	.3748	<.0000	< .0000	< .0000	<.0000	<.0000
#2	.1248	<.0000	5.146	< .0000	<.0000	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	1.045	.6879	1.103	<.0000
Stddev	.6156	.1641	.589	.7502	.635	.5843
%RSD	70.70	9.422	56.35	109.0	57.57	9.926

#1	<.0000	<.0000	1.461	.1575	.6538	<.0000
#2	<.0000	<.0000	.6287	1.218	1.551	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	17.84	13.73	6.075	.2009
Stddev	5.063	.0024	10.13	.60	1.139	.0528
%RSD	44.17	18.86	56.76	4.374	18.76	26.30

#1	< .0000	<.0000	25.00	13.31	5.269	.2383
#2	< .0000	<.0000	10.68	14.16	6.880	.1635

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9593	<.0000	<.0000	<.0000	.0416	5.668
Stddev	.7267	1.013	5.441	.1104	.1767	2.266
%RSD	75.75	49.03	106.1	5.428	424.5	39.97

#1	.4455	< .0000	< .0000	<.0000	<.0000	7.271
#2	1.473	< .0000	< .0000	<.0000	.1665	4.066

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	20.97	2.062	<.0000	.2728	<.0000
Stddev	.3831	11.25	.701	4.339	.1685	.5131
%RSD	83.60	53.67	33.97	309.3	61.78	84.83

#1	<.0000	28.93	2.557	1.665	.3919	<.0000
#2	<.0000	13.01	1.567	< .0000	.1536	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391	
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}	
Units	ppb	ppb	ppb	ppb	ppb	
Avg	.4036	.1722	<.0000	<.0000	1.624	
Stddev	.2382	.0001	1.171	.0220	.128	
%RSD	59.01	.0363	1069.	18520.	7.854	

#1	.2352	.1722	< .0000	.0155	1.715	
#2	.5720	.1721	.7184	<.0000	1.534	

Method: SPEX Sample Name: 090813001-005CL,IW Operator:
Comment:
Run Time: 08/25/09 12:47 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	.2188	40.41	7.863	<.0000	<.0000	1470.
Stddev	1.959	2.90	.981	.1041	.0006	2.
%RSD	895.4	7.178	12.48	6.165	2.886	.1414

#1	1.604	38.36	7.169	<.0000	<.0000	1471.
#2	<.0000	42.46	8.557	<.0000	<.0000	1468.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	20.74	.0246	6.450	23400.	<.0000	.0294
Stddev	.12	.0805	.693	22.	.0913	.0533
%RSD	.5894	326.9	10.74	.0957	31.76	181.7

#1	20.65	.0816	6.940	23380.	<.0000	.0671
#2	20.83	<.0000	5.961	23410.	<.0000	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	32.52	.5061	433.9	<.0000
Stddev	4.107	.9027	.75	.7034	1.4	.2855
%RSD	123.0	526.8	2.300	139.0	.3172	.5956

#1	<.0000	.4669	31.99	.0087	434.9	<.0000
#2	<.0000	<.0000	33.05	1.003	433.0	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8449.	1.727	1.363	8212.	10340.	.3925
Stddev	24.	.010	.345	19.	88.	.0947
%RSD	.2800	.6003	25.27	.2363	.8521	24.14

#1	8466.	1.734	1.607	8226.	10400.	.4594
#2	8432.	1.720	1.120	8198.	10270.	.3255

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.361	<.0000	3.848	2.504	<.0000	<.0000
Stddev	2.217	.1766	8.471	3.874	.7672	.0102
%RSD	50.84	5.348	220.1	154.7	141.8	.3786

#1	2.793	<.0000	9.838	<.0000	.0014	<.0000
#2	5.929	<.0000	<.0000	5.243	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1908.	.1621	103.0	2.624	<.0000
Stddev	1.002	.	.1528	2.9	.120	.1027
%RSD	42.56	.0002	94.30	2.770	4.591	16.98

#1	<.0000	1908.	.2702	101.0	2.710	<.0000
#2	<.0000	1908.	.0540	105.0	2.539	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	2.224	2.094	34.70	1.503
Stddev	1.238	1.452	.746	.30	.638
%RSD	19.47	65.31	35.60	.8738	42.45

#1	<.0000	3.251	2.621	34.92	1.955
#2	<.0000	1.197	1.567	34.49	1.052

Method: SPEX Sample Name: 090813001-005CA,IW Operator:
Comment:
Run Time: 08/25/09 12:54 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	93.90	4269.	4229.	73.78	<.0000	7455.
Stddev	1.24	8.	9.	.80	.0000	15.
%RSD	1.318	.1817	.2045	1.090	.0266	.1991
#1	94.77	4275.	4223.	73.21	<.0000	7445.
#2	93.02	4264.	4235.	74.35	<.0000	7466.
Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	3978.	101.6	6.287	109600.	98.19	921.1
Stddev	14.	.6	1.386	335.	.07	3.6
%RSD	.3492	.5771	22.05	.3060	.0690	.3934
#1	3988.	101.2	5.307	109400.	98.14	918.6
#2	3968.	102.0	7.268	109900.	98.24	923.7
Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	422.5	492.7	2229.	.1577	2836.	<.0000
Stddev	1.8	3.0	10.	1.759	4.	5.011
%RSD	.4369	.6000	.4318	1115.	.1320	2.392
#1	421.2	494.8	2222.	1.401	2834.	< .0000
#2	423.8	490.7	2235.	< .0000	2839.	< .0000
Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40800.	985.3	2.477	34730.	49950.	947.4
Stddev	13.	1.8	.170	100.	33.	.6
%RSD	.0327	.1834	6.872	.2878	.0670	.0641
#1	40790.	984.0	2.598	34660.	49920.	947.0
#2	40810.	986.5	2.357	34800.	49970.	947.9
Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.969	34.01	3.848	29.58	<.0000	270.8
Stddev	.822	.19	2.420	.33	1.297	16.7
%RSD	10.31	.5604	62.89	1.122	3.254	6.161
#1	7.388	33.87	2.137	29.35	< .0000	259.0
#2	8.550	34.14	5.559	29.82	< .0000	282.6
Elem	Sel960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.44	9443.	.5584	470.9	<.0000	<.0000
Stddev	.00	14.	.1274	7.1	1.445	.3081
%RSD	.0013	.1513	22.81	1.502	1.204	47.16
#1	19.44	9433.	.6484	475.9	< .0000	<.0000
#2	19.44	9453.	.4683	465.9	< .0000	<.0000
Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391	
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}	
Units	ppb	ppb	ppb	ppb	ppb	
Avg	34.70	1001.	<.0000	1166.	1.293	
Stddev	.81	2.	1.513	1.	.425	
%RSD	2.331	.1689	.5016	.0838	32.91	
#1	35.27	999.4	< .0000	1166.	.9919	
#2	34.13	1002.	< .0000	1167.	1.594	

Method: SPEX

Sample Name: 090813001-006C,IW

Operator:

Comment:

Run Time: 08/25/09 12:58 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B_2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	2.114	64.33	<.0000	<.0000	<.0000	28350.
Stddev	.309	17.39	6.377	.4154	.0004	64.
%RSD	14.63	27.03	167.2	49.23	.6055	.2261

#1	2.333	76.63	.6942	<.0000	<.0000	28300.
#2	1.895	52.03	<.0000	<.0000	<.0000	28390.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	154.9	<.0000	14.46	141700.	<.0000	.3206
Stddev	.1	.0058	1.16	595.	.0249	.0889
%RSD	.0733	48.10	7.991	.4199	34.16	27.73

#1	155.0	<.0000	15.27	141300.	<.0000	.3834
#2	154.8	<.0000	13.64	142200.	<.0000	.2577

Elem	Cr3578	Cu3247	Fe2599	In2306	K_7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1.395	1468.	<.0000	3192.	<.0000
Stddev	.2053	.820	4.	.6684	15.	3.856
%RSD	17.68	58.80	.2902	59.29	.4565	.8238

#1	<.0000	1.975	1465.	<.0000	3181.	<.0000
#2	<.0000	.8150	1471.	<.0000	3202.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52060.	108.7	1.873	51100.	78080.	.5700
Stddev	12.	.1	.186	41.	9.	.2269
%RSD	.0238	.0993	9.936	.0811	.0118	39.80

#1	52070.	108.6	2.004	51070.	78070.	.7305
#2	52050.	108.7	1.741	51130.	78090.	.4096

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.52	<.0000	8.126	23.95	<.0000	12.37
Stddev	.19	.4258	8.471	.33	.5309	18.96
%RSD	1.156	6.582	104.2	1.386	41.08	153.2

#1	16.39	<.0000	2.137	23.71	<.0000	25.78
#2	16.66	<.0000	14.12	24.18	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	8744.	1.081	649.9	.9881	<.0000
Stddev	.0589	45.	.408	3.2	.7473	.6160
%RSD	14.92	.5121	37.71	.4994	75.63	20.20

#1	<.0000	8775.	1.369	647.6	.4597	<.0000
#2	<.0000	8712.	.7925	652.2	1.516	<.0000

Elem	Tl1908	V_2924	W_2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	3.812	14.66	1.082
Stddev	1.808	4.115	.852	.07	.638
%RSD	1.112	133.5	22.34	.4803	58.98

#1	<.0000	<.0000	3.210	14.61	1.534
#2	<.0000	<.0000	4.414	14.71	.6309

Method: SPEX

Sample Name: 090813001-007C,IW

Operator:

Comment:

Run Time: 08/25/09 13:06 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	6641.	6610.	58.22	<.0000	2043.
Stddev	1.340	64.	31.	.60	.0015	34.
%RSD	31.16	.9620	.4637	1.026	.7437	1.677

#1	<.0000	6686.	6632.	57.79	<.0000	2067.
#2	<.0000	6595.	6588.	58.64	<.0000	2019.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	216.9	.5880	9.473	111300.	<.0000	9.833
Stddev	1.6	.0029	5.198	845.	.0083	.024
%RSD	.7220	.4912	54.87	.7592	7.921	.2409

#1	218.0	.5900	13.15	111900.	<.0000	9.850
#2	215.8	.5859	5.797	110700.	<.0000	9.816

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.89	28.26	19210.	<.0000	4624.	<.0000
Stddev	.00	.25	68.	.2110	12.	1.258
%RSD	.0011	.8725	.3541	5.001	.2574	1.043

#1	19.89	28.43	19250.	<.0000	4633.	<.0000
#2	19.89	28.09	19160.	<.0000	4616.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48640.	977.6	2.452	18750.	24890.	21.92
Stddev	282.	3.2	.230	143.	32.	.03
%RSD	.5789	.3292	9.363	.7639	.1273	.1205

#1	48840.	979.9	2.614	18650.	24870.	21.94
#2	48440.	975.4	2.290	18850.	24910.	21.91

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	211.5	21.99	6.415	332.0	<.0000	<.0000
Stddev	1.4	.65	4.840	1.2	.1180	.2598
%RSD	.6778	2.938	75.45	.3669	1.458	5.062

#1	210.4	21.54	9.838	331.1	<.0000	<.0000
#2	212.5	22.45	2.992	332.8	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	16320.	1.288	594.2	<.0000	104.4
Stddev	.9133	107.	.038	1.9	1.302	.5
%RSD	34.80	.6536	2.967	.3142	117.4	.4603

#1	<.0000	16390.	1.261	595.5	<.0000	104.7
#2	<.0000	16240.	1.315	592.9	<.0000	104.0

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.783	8.385	<.0000	768.1	<.0000
Stddev	2.616	.000	.0677	2.6	.0000
%RSD	45.23	.0007	.3334	.3346	.0073

#1	3.933	8.386	<.0000	770.0	<.0000
#2	7.632	8.385	<.0000	766.3	<.0000

Method: SPEX

Sample Name: 090813001-008C,IW

Operator:

Comment:

Run Time: 08/25/09 13:13 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	.1459	523.0	510.8	<.0000	<.0000	280.3
Stddev	1.237	4.8	.0	.1299	.0002	.2
%RSD	848.3	.9221	.0012	6.741	.5850	.0666

#1	<.0000	526.4	510.8	<.0000	<.0000	280.2
#2	1.021	519.6	510.8	<.0000	<.0000	280.4

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	31.06	<.0000	8.248	46340.	.0604	<.0000
Stddev	.45	.0144	4.620	257.	.1352	.1941
%RSD	1.459	30.91	56.02	.5545	223.8	19.12

#1	30.74	<.0000	4.980	46150.	<.0000	<.0000
#2	31.38	<.0000	11.51	46520.	.1560	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.050	6.734	917.1	.1743	5488.	<.0000
Stddev	1.232	.000	2.7	.7504	9.	2.066
%RSD	40.40	.0025	.2893	430.5	.1726	3.213

#1	3.921	6.733	918.9	.7049	5495.	<.0000
#2	2.179	6.734	915.2	<.0000	5481.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10490.	17.87	.6718	3308.	3844.	2.327
Stddev	92.	.01	.0158	22.	52.	.042
%RSD	.8740	.0305	2.357	.6691	1.345	1.799

#1	10420.	17.88	.6606	3293.	3807.	2.357
#2	10550.	17.87	.6830	3324.	3880.	2.297

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.33	<.0000	<.0000	16.04	<.0000	<.0000
Stddev	2.02	1.351	5.446	1.33	1.475	.1507
%RSD	19.60	29.44	317.7	8.278	153.8	3.235

#1	11.77	<.0000	2.137	16.98	.0842	<.0000
#2	8.901	<.0000	<.0000	15.10	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	3589.	<.0000	227.6	.3233	12.03
Stddev	.5302	39.	.0764	.3	.7232	.03
%RSD	134.2	1.085	423.8	.1102	223.7	.2858

#1	<.0000	3562.	.0360	227.5	.8347	12.01
#2	<.0000	3617.	<.0000	227.8	<.0000	12.05

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	14.49	3.251	<.0000	508.5	.1495
Stddev	1.33	3.389	.3484	1.3	.3404
%RSD	9.188	104.3	29.09	.2599	227.8

#1	15.43	5.647	<.0000	507.5	.3902
#2	13.55	.8543	<.0000	509.4	<.0000

Method: SPEX

Sample Name: 090813001-009C, IW

Operator:

Comment:

Run Time: 08/25/09 13:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	114.2	70.30	2.553	<.0000	3453.
Stddev	1.134	10.6	2.29	.597	.0011	.
%RSD	1557.	9.315	3.254	23.39	1.955	.0036

#1	.7291	121.8	68.68	2.975	<.0000	3452.
#2	<.0000	106.7	71.91	2.130	<.0000	3453.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	121.7	.0144	10.21	101700.	<.0000	.1823
Stddev	.1	.0144	4.62	669.	.0107	.0000
%RSD	.0970	99.44	45.26	.6578	6.396	.0000

#1	121.8	.0043	6.941	102200.	<.0000	.1823
#2	121.6	.0246	13.48	101200.	<.0000	.1823

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	7.081	709.1	.1826	5709.	<.0000
Stddev	1.848	.493	2.3	.7855	44.	5.458
%RSD	37.44	6.957	.3195	430.3	.7727	4.001

#1	<.0000	7.430	710.7	<.0000	5740.	<.0000
#2	<.0000	6.733	707.5	.7380	5678.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32560.	190.2	1.288	18570.	24530.	1.872
Stddev	15.	.0	.048	61.	105.	.126
%RSD	.0449	.0006	3.690	.3300	.4274	6.708

#1	32570.	190.2	1.321	18610.	24450.	1.961
#2	32550.	190.2	1.254	18530.	24600.	1.783

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.27	<.0000	<.0000	11.35	.0842	<.0000
Stddev	.63	.5139	7.865	3.54	.4719	.5768
%RSD	6.142	9.148	131.3	31.21	560.3	13.15

#1	10.71	<.0000	<.0000	13.85	<.0000	<.0000
#2	9.820	<.0000	<.0000	8.843	.4179	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4173	6832.	<.0000	525.0	<.0000	<.0000
Stddev	.4418	14.	.1911	2.5	.0723	.5134
%RSD	105.9	.2074	47.14	.4702	30.23	2140.

#1	.1048	6822.	<.0000	523.3	<.0000	.3391
#2	.7297	6842.	<.0000	526.7	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1.368	<.0000	468.7	1.503
Stddev	2.235	.726	.7840	1.3	.979
%RSD	23.74	53.08	636.2	.2761	65.09

#1	<.0000	1.881	<.0000	467.8	2.195
#2	<.0000	.8545	.4312	469.6	.8115

Method: SPEX

Sample Name: 090813001-010C,IW

Operator:

Comment:

Run Time: 08/25/09 13:27 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	1.823	146.4	110.5	1.928	<.0000	2909.
Stddev	1.340	21.3	2.9	1.843	.0010	1.
%RSD	73.54	14.54	2.658	95.59	1.908	.0377
#1	2.770	161.4	108.5	.6249	<.0000	2910.
#2	.8748	131.3	112.6	3.232	<.0000	2908.
Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	107.7	<.0000	9.473	98220.	<.0000	.2211
Stddev	.3	.0086	2.195	7.	.1446	.1081
%RSD	.2934	474.3	23.17	.0069	84.60	48.92
#1	107.4	<.0000	11.02	98230.	<.0000	.1446
#2	107.9	.0043	7.921	98220.	<.0000	.2975
Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.066	7.430	764.7	<.0000	6424.	<.0000
Stddev	.205	.329	1.8	.0234	18.	4.389
%RSD	5.055	4.427	.2332	6.016	.2744	3.415
#1	4.211	7.662	766.0	<.0000	6412.	<.0000
#2	3.921	7.197	763.5	<.0000	6437.	<.0000
Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28710.	172.4	1.081	16290.	21100.	2.316
Stddev	68.	.1	.119	62.	97.	.123
%RSD	.2366	.0546	10.99	.3799	.4615	5.326
#1	28660.	172.3	1.164	16250.	21030.	2.229
#2	28760.	172.4	.9965	16340.	21160.	2.403
Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.833	<.0000	7.271	12.44	<.0000	<.0000
Stddev	.325	1.072	10.89	5.98	.4720	.4157
%RSD	3.303	19.59	149.8	48.03	47.18	7.672
#1	10.06	<.0000	<.0000	8.217	<.0000	<.0000
#2	9.604	<.0000	14.97	16.67	<.0000	<.0000
Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0840	6321.	.4593	487.6	.4426	1.573
Stddev	1.208	16.	.5986	6.1	.5062	.034
%RSD	1439.	.2546	130.3	1.242	114.3	2.169
#1	.9381	6310.	.0360	483.3	.8005	1.549
#2	<.0000	6333.	.8826	491.8	.0847	1.598
Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391	
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}	
Units	ppb	ppb	ppb	ppb	ppb	
Avg	<.0000	1.368	<.0000	576.1	1.804	
Stddev	1.474	2.179	.3775	.5	.553	
%RSD	136.9	159.3	51.07	.0879	30.65	
#1	<.0000	<.0000	<.0000	575.8	2.195	
#2	<.0000	2.908	<.0000	576.5	1.413	

Method: SPEX

Sample Name: 090813001-011C,IW

Operator:

Comment:

Run Time: 08/25/09 13:33 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	109.5	60.12	3.103	<.0000	23.44
Stddev	2.165	1.9	3.92	1.220	.0007	.00
%RSD	330.0	1.769	6.528	39.32	1.371	.0002

#1	<.0000	110.8	62.90	3.966	<.0000	23.44
#2	.8748	108.1	57.35	2.240	<.0000	23.44

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	79.93	<.0000	8.983	77630.	<.0000	.5919
Stddev	.46	.1179	2.888	143.	.0984	.1378
%RSD	.5764	253.4	32.15	.1848	37.03	23.28

#1	80.25	.0368	11.02	77730.	<.0000	.4945
#2	79.60	<.0000	6.941	77520.	<.0000	.6893

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5814	3.136	809.7	<.0000	1813.	<.0000
Stddev	1.027	.657	1.3	.3166	.	5.649
%RSD	176.6	20.94	.1659	73.47	.0181	8.584

#1	1.307	3.600	810.7	<.0000	1813.	<.0000
#2	<.0000	2.672	808.8	<.0000	1813.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32190.	167.2	1.654	8186.	10340.	.9968
Stddev	146.	.2	.107	10.	54.	.1608
%RSD	.4532	.1273	6.461	.1274	.5203	16.13

#1	32290.	167.3	1.579	8178.	10380.	1.111
#2	32080.	167.0	1.730	8193.	10300.	.8831

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.820	2.222	2.565	8.765	<.0000	<.0000
Stddev	1.261	1.263	6.656	6.751	1.947	.7846
%RSD	12.84	56.84	259.5	77.03	161.0	11.56

#1	10.71	1.329	7.271	3.991	.1676	<.0000
#2	8.928	3.115	<.0000	13.54	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	9464.	<.0000	382.4	1.022	.0728
Stddev	.8544	50.	.0764	2.0	2.145	.3765
%RSD	82.08	.5309	23.57	.5200	209.9	517.0

#1	<.0000	9500.	<.0000	383.8	<.0000	<.0000
#2	<.0000	9429.	<.0000	381.0	2.539	.3391

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	23.91	.5120	<.0000	24.48	1.172
Stddev	.67	.4841	.1645	.05	.766
%RSD	2.785	94.55	109.2	.2229	65.33

#1	24.38	.8543	<.0000	24.44	1.714
#2	23.44	.1697	<.0000	24.52	.6309

Method: SPEX

Sample Name: 090813001-013C,IW

Operator:

Comment:

Run Time: 08/25/09 13:41 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	1.677	41.17	<.0000	<.0000	<.0000	559.0
Stddev	2.165	25.02	3.922	1.090	.0004	.6
%RSD	129.1	60.78	49.88	84.90	.7580	.1004

#1	3.208	58.86	<.0000	<.0000	<.0000	558.6
#2	.1459	23.47	<.0000	<.0000	<.0000	559.4

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	63.49	<.0000	10.94	110100.	<.0000	.7176
Stddev	.15	.0434	.12	303.	.0154	.0933
%RSD	.2403	49.87	1.055	.2752	5.239	13.01

#1	63.60	<.0000	10.86	110300.	<.0000	.6516
#2	63.38	<.0000	11.02	109900.	<.0000	.7836

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.53	4.475	1143.	<.0000	1924.	<.0000
Stddev	1.86	.416	8.	1.172	8.	2.798
%RSD	12.78	9.301	.6756	248.2	.4205	2.582

#1	13.21	4.180	1148.	<.0000	1930.	<.0000
#2	15.84	4.769	1138.	.3567	1918.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23750.	87.51	.3276	6647.	8252.	2.215
Stddev	27.	.09	.1306	2.	2.	.139
%RSD	.1123	.1078	39.88	.0275	.0267	6.266

#1	23770.	87.44	.4199	6649.	8251.	2.313
#2	23730.	87.57	.2352	6646.	8254.	2.117

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.47	<.0000	<.0000	12.21	<.0000	<.0000
Stddev	.38	.0440	10.29	1.66	.5899	.7327
%RSD	2.641	.6933	1200.	13.60	236.4	12.07

#1	14.74	<.0000	<.0000	13.38	<.0000	<.0000
#2	14.20	<.0000	6.416	11.03	.1676	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	9549.	.2071	385.7	<.0000	<.0000
Stddev	.4714	21.	.1911	.8	.1687	.4100
%RSD	37.12	.2167	92.25	.2061	11.50	18.02

#1	<.0000	9563.	.0720	386.2	<.0000	<.0000
#2	<.0000	9534.	.3422	385.1	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	24.11	1.538	<.0000	13.92	.9610
Stddev	1.43	.483	.7549	.08	.9798
%RSD	5.917	31.41	1225.	.5448	102.0

#1	25.12	1.197	<.0000	13.87	1.654
#2	23.10	1.880	.4722	13.97	.2682

Method: SPEX

Sample Name: 090813001-014C,IW

Operator:

Comment:

Run Time: 08/25/09 13:45 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	154.0	107.6	<.0000	<.0000	414.2
Stddev	2.373	16.3	3.5	.8048	.0000	.0
%RSD	154.9	10.57	3.298	26.26	.0002	.0002

#1	<.0000	142.5	105.1	<.0000	<.0000	414.2
#2	.1458	165.5	110.1	<.0000	<.0000	414.2

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	95.95	<.0000	7.268	104600.	<.0000	.3332
Stddev	.28	.1494	8.317	252.	.0024	.0444
%RSD	.2931	230.8	114.4	.2412	1.322	13.34

#1	95.75	<.0000	1.387	104800.	<.0000	.3646
#2	96.14	.0409	13.15	104400.	<.0000	.3017

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121.7	7.492	258.3	<.0000	1586.	<.0000
Stddev	1.1	1.553	1.0	.7504	7.	7.652
%RSD	.8910	20.73	.3978	87.89	.4139	7.229

#1	122.5	6.394	259.0	<.0000	1591.	<.0000
#2	120.9	8.590	257.6	<.0000	1582.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26880.	46.17	.7138	6354.	7887.	3.731
Stddev	84.	.03	.1385	33.	59.	.304
%RSD	.3139	.0584	19.41	.5178	.7447	8.149

#1	26820.	46.15	.6158	6331.	7845.	3.945
#2	26940.	46.19	.8118	6378.	7928.	3.516

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.632	<.0000	.4254	<.0000	<.0000	<.0000
Stddev	1.681	.4552	6.050	1.217	.7078	.7898
%RSD	29.86	12.01	1422.	259.1	77.20	13.93

#1	6.821	<.0000	4.704	<.0000	<.0000	<.0000
#2	4.443	<.0000	<.0000	.3911	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	8892.	.7024	324.5	.2381	.9206
Stddev	1.915	26.	.6368	4.7	1.374	.6855
%RSD	306.7	.2870	90.66	1.445	577.0	74.46

#1	.7297	8874.	1.153	321.2	<.0000	1.405
#2	<.0000	8910.	.2521	327.8	1.210	.4359

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	26.97	1.367	.3421	31.51	1.172
Stddev	1.09	2.180	.7065	.02	.682
%RSD	4.056	159.5	206.5	.0506	58.17

#1	27.74	<.0000	.8417	31.50	.6898
#2	26.19	2.908	<.0000	31.52	1.654

Method: SPEX

Sample Name: CCV-3

Operator:

Comment:

Run Time: 08/25/09 13:53 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	517.7	2196.	2220.	1981.	<.0000	1853.
Stddev	.5	54.	8.	9.	.0030	1.
%RSD	.0990	2.465	.3393	.4314	2.115	.0562

#1	518.0	2234.	2215.	1975.	<.0000	1852.
#2	517.3	2158.	2226.	1987.	<.0000	1853.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	2077.	2085.	4.899	2141.	2098.	2063.
Stddev	6.	11.	.808	17.	4.	5.
%RSD	.2923	.5268	16.50	.7945	.1906	.2455

#1	2073.	2092.	5.471	2154.	2095.	2059.
#2	2081.	2077.	4.327	2129.	2101.	2066.

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2081.	2088.	2171.	<.0000	10060.	2130.
Stddev	7.	1.	12.	.6097	13.	5.
%RSD	.3546	.0556	.5494	27.97	.1289	.2349

#1	2087.	2087.	2179.	<.0000	10070.	2133.
#2	2076.	2088.	2163.	<.0000	10050.	2126.

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2043.	2058.	2073.	1958.	2207.	2114.
Stddev	.	1.	10.	2.	2.	9.
%RSD	.0171	.0311	.4939	.1027	.1048	.4440

#1	2043.	2058.	2080.	1959.	2205.	2108.
#2	2043.	2057.	2066.	1956.	2209.	2121.

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1951.	3.848	28.96	<.0000	1992.
Stddev	2.197	10.	1.210	4.09	157.7	1.
%RSD	11.34	.5139	31.45	14.14	9.379	.0595

#1	<.0000	1958.	4.704	26.06	<.0000	1991.
#2	<.0000	1944.	2.992	31.85	<.0000	1992.

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1927.	4538.	2084.	2107.	<.0000	<.0000
Stddev	5.	75.	2.	9.	5.158	.9584
%RSD	.2601	1.647	.0860	.4245	2.080	53.52

#1	1923.	4486.	2085.	2101.	<.0000	<.0000
#2	1930.	4591.	2083.	2114.	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	2135.	2099.	<.0000	2057.	3.790
Stddev	1.	.	20.15	8.	.383
%RSD	.0377	.0121	3.033	.4112	10.10

#1	2136.	2099.	<.0000	2051.	3.519
#2	2135.	2100.	<.0000	2063.	4.061

Method: SPEX

Sample Name: CCB-3

Operator:

Comment:

Run Time: 08/25/09 13:59 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	17.71	1.848	<.0000	<.0000	5.749
Stddev	2.267	9.77	1.306	.5453	.0004	.465
%RSD	518.1	55.15	70.65	16.60	22.68	8.084

#1	<.0000	24.62	.9250	<.0000	<.0000	6.077
#2	1.165	10.81	2.772	<.0000	<.0000	5.420

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	.4038	<.0000	8.330	<.0000	<.0000	<.0000
Stddev	.0316	.0003	.116	.3288	.0225	.0652
%RSD	7.825	.5478	1.392	6.460	9.299	778.7

#1	.3814	<.0000	8.412	<.0000	<.0000	<.0000
#2	.4261	<.0000	8.248	<.0000	<.0000	.0377

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	<.0000	.2321	4.226	<.0000
Stddev	2.053	.8992	.0855	.6680	.506	1.222
%RSD	61.51	73.72	6481.	287.8	11.98	13.54

#1	<.0000	<.0000	.0591	.7044	4.584	<.0000
#2	<.0000	<.0000	<.0000	<.0000	3.868	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	5.897	1.290	<.0000	.1370
Stddev	.3324	.0073	1.666	.025	.2065	.1256
%RSD	4.970	23.51	28.25	1.954	4.104	91.63

#1	<.0000	<.0000	7.074	1.272	<.0000	.2258
#2	<.0000	<.0000	4.719	1.307	<.0000	.0482

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.810	<.0000	1.714	1.565	<.0000	1.528
Stddev	.059	.7053	11.49	.332	.1774	.004
%RSD	3.237	18.87	670.2	21.21	60.79	.2967

#1	1.851	<.0000	9.836	1.330	<.0000	1.532
#2	1.769	<.0000	<.0000	1.800	<.0000	1.525

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0208	16.63	.9005	<.0000	<.0000	.1206
Stddev	.7654	3.10	.0765	3.967	.7234	.5812
%RSD	3674.	18.61	8.494	907.0	184.5	481.7

#1	.5620	18.82	.8464	2.368	.1195	<.0000
#2	<.0000	14.44	.9545	<.0000	<.0000	.5316

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.479	<.0000	1.129	<.0000	.8127
Stddev	.427	1.207	.097	.1103	.2542
%RSD	28.89	176.8	8.564	520.7	31.28

#1	1.177	.1707	1.197	.0568	.9924
#2	1.782	<.0000	1.061	<.0000	.6329

Method: SPEX

Sample Name: 090813001-015C,IW

Operator:

Comment:

Run Time: 08/25/09 14:02 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	337.9	303.9	<.0000	<.0000	218.6
Stddev	.4121	19.2	12.5	.4674	.0015	.5
%RSD	40.37	5.670	4.124	84.97	3.747	.2326

#1	<.0000	324.4	312.8	<.0000	<.0000	219.0
#2	<.0000	351.5	295.1	<.0000	<.0000	218.3

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	33.01	<.0000	3.429	62270.	.0269	<.0000
Stddev	.39	.0462	1.271	117.	.0190	.2000
%RSD	1.188	104.2	37.06	.1878	70.59	3.566

#1	33.29	<.0000	2.530	62360.	.0403	<.0000
#2	32.73	<.0000	4.327	62190.	.0135	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.972	40.81	2989.	<.0000	8941.	<.0000
Stddev	.203	.26	6.	.3048	25.	1.802
%RSD	2.907	.6433	.2120	32.55	.2784	2.229

#1	6.829	40.99	2984.	<.0000	8958.	<.0000
#2	7.115	40.62	2993.	<.0000	8923.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7521.	192.6	6.947	4335.	5117.	12.20
Stddev	12.	1.2	1.092	22.	53.	.04
%RSD	.1556	.6248	15.73	.5039	1.030	.2897

#1	7530.	193.4	7.720	4351.	5154.	12.17
#2	7513.	191.7	6.175	4320.	5080.	12.22

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.04	<.0000	<.0000	59.16	<.0000	.1660
Stddev	.59	.3671	1.817	5.42	.8258	2.785
%RSD	1.793	9.134	45740.	9.167	66.03	1677.

#1	32.62	<.0000	<.0000	55.33	<.0000	2.136
#2	33.46	<.0000	1.281	63.00	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.251	5844.	.6664	301.8	2.096	9.370
Stddev	2.151	76.	.3311	7.2	.627	.168
%RSD	172.0	1.296	49.69	2.378	29.90	1.791

#1	2.771	5897.	.9006	306.9	2.539	9.251
#2	<.0000	5790.	.4323	296.8	1.653	9.488

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	14.05	1.538	<.0000	2661.	1.473
Stddev	1.85	.001	.5130	31.	.851
%RSD	13.20	.0460	13.83	1.166	57.76

#1	12.74	1.538	<.0000	2683.	2.075
#2	15.37	1.539	<.0000	2639.	.8715

Method: SPEX

Sample Name: 090813001-017B,IW

Operator:

Comment:

Run Time: 08/25/09 14:10 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	43.84	<.0000	<.0000	<.0000	8912.
Stddev	.1031	3.86	6.705	.2337	.0001	7.
%RSD	9.424	8.801	31.01	15.35	.1129	.0756

#1	<.0000	41.11	<.0000	<.0000	<.0000	8908.
#2	<.0000	46.56	<.0000	<.0000	<.0000	8917.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	149.5	<.0000	5.388	124600.	<.0000	<.0000
Stddev	.8	.0201	1.733	24.	.1209	.0993
%RSD	.5665	76.78	32.16	.0192	44.26	160.6

#1	148.9	<.0000	6.613	124600.	<.0000	.0084
#2	150.1	<.0000	4.163	124500.	<.0000	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67.52	2.672	28.51	<.0000	7820.	<.0000
Stddev	3.28	1.149	2.05	.2697	25.	16.38
%RSD	4.862	43.01	7.199	101.8	.3184	2.836

#1	65.20	3.485	29.96	<.0000	7838.	<.0000
#2	69.84	1.860	27.06	<.0000	7803.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33510.	6.154	.6076	58430.	90700.	.2055
Stddev	135.	.017	.2811	225.	814.	.0507
%RSD	.4027	.2719	46.26	.3856	.8971	24.66

#1	33410.	6.166	.8063	58270.	90130.	.2414
#2	33600.	6.143	.4088	58590.	91280.	.1697

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.077	<.0000	4.276	<.0000	<.0000	<.0000
Stddev	1.013	.4259	5.446	2.435	.6489	.2702
%RSD	24.84	10.49	127.4	100.3	223.2	5.937

#1	4.793	<.0000	.4252	<.0000	<.0000	<.0000
#2	3.361	<.0000	8.126	<.0000	.1681	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	7921.	.5314	470.3	.8003	<.0000
Stddev	1.090	19.	1.006	1.3	1.350	.5134
%RSD	42.22	.2420	189.4	.2674	168.7	16.19

#1	<.0000	7907.	<.0000	471.2	<.0000	<.0000
#2	<.0000	7935.	1.243	469.4	1.755	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	1.116	38.48	.9317
Stddev	1.045	1.210	.077	.41	.2553
%RSD	1.632	176.4	6.946	1.055	27.40

#1	<.0000	<.0000	1.170	38.19	1.112
#2	<.0000	.1697	1.061	38.76	.7512

Method: SPEX

Sample Name: 090813001-018B,IW

Operator:

Comment:

Run Time: 08/25/09 14:14 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	.2188	35.61	<.0000	<.0000	<.0000	9543.
Stddev	1.959	3.87	5.723	.1038	.0000	1.
%RSD	895.3	10.88	22.81	8.320	.0223	.0066

#1	<.0000	32.87	<.0000	<.0000	<.0000	9542.
#2	1.604	38.35	<.0000	<.0000	<.0000	9543.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	153.5	<.0000	9.555	125000.	<.0000	<.0000
Stddev	1.0	.0173	3.466	216.	.0474	.0104
%RSD	.6601	15.19	36.27	.1725	12.30	16.79

#1	152.8	<.0000	7.104	124900.	<.0000	<.0000
#2	154.3	<.0000	12.01	125200.	<.0000	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71.29	13.64	64.41	<.0000	8031.	<.0000
Stddev	4.11	3.04	.27	.0586	39.	3.040
%RSD	5.763	22.27	.4161	9.555	.4857	.5150

#1	68.38	11.49	64.60	<.0000	8058.	<.0000
#2	74.19	15.78	64.22	<.0000	8003.	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34600.	109.7	.6719	58710.	91160.	2.716
Stddev	185.	.0	.0554	392.	636.	.103
%RSD	.5346	.0428	8.248	.6672	.6973	3.812

#1	34470.	109.7	.7110	58430.	90710.	2.790
#2	34730.	109.7	.6327	58980.	91610.	2.643

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.578	<.0000	4.276	1.721	<.0000	<.0000
Stddev	.382	1.013	5.445	3.652	1.180	.3222
%RSD	14.82	18.51	127.3	212.2	236.1	5.625

#1	2.308	<.0000	8.126	4.304	.3345	<.0000
#2	2.849	<.0000	.4255	<.0000	<.0000	<.0000

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	8192.	.6124	481.8	.1187	<.0000
Stddev	.3535	103.	.0000	.3	2.362	.0685
%RSD	26.12	1.252	.0016	.0541	1989.	2.722

#1	<.0000	8119.	.6124	481.6	1.789	<.0000
#2	<.0000	8264.	.6124	482.0	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1.026	.7938	51.35	.7212
Stddev	2.188	1.210	1.152	.08	1.064
%RSD	3.209	118.0	145.1	.1475	147.5

#1	<.0000	1.881	1.608	51.40	1.473
#2	<.0000	.1698	<.0000	51.29	<.0000

Method: SPEX

Sample Name: CRI-2

Operator:

Comment:

Run Time: 08/25/09 14:18 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	21.79	15.63	.5786	18.32	<.0000	14.30
Stddev	1.33	12.60	6.374	.83	.0002	3.30
%RSD	6.129	80.62	1102.	4.525	2.822	23.09
#1	22.73	6.721	<.0000	18.91	<.0000	16.63
#2	20.84	24.54	5.086	17.73	<.0000	11.96
Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	1.032	9.450	5.227	<.0000	9.339	96.55
Stddev	.166	.012	.115	.9817	.063	.42
%RSD	16.11	.1308	2.199	47.13	.6771	.4400
#1	.9144	9.458	5.145	<.0000	9.384	96.85
#2	1.149	9.441	5.308	<.0000	9.295	96.25
Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.72	46.80	<.0000	.2901	6.714	<.0000
Stddev	1.65	2.86	.0775	.3750	.421	.6997
%RSD	8.791	6.111	1.180	129.3	6.275	7.598
#1	17.56	48.82	<.0000	.5553	7.012	<.0000
#2	19.88	44.78	<.0000	.0249	6.417	<.0000
Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	28.95	<.0000	38.22	36.69	80.30
Stddev	7.091	.06	.4591	3.94	5.46	.36
%RSD	74.25	.1970	215.9	10.31	14.87	.4529
#1	<.0000	28.99	<.0000	41.00	40.55	80.55
#2	<.0000	28.91	.1120	35.43	32.83	80.04
Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.459	4.360	<.0000	3.912	<.0000	108.7
Stddev	.400	.441	1.812	.111	.5898	2.6
%RSD	27.44	10.11	42.38	2.823	11.59	2.374
#1	1.176	4.049	<.0000	3.991	<.0000	106.9
#2	1.742	4.672	<.0000	3.834	<.0000	110.5
Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.77	12.30	.1621	2.016	<.0000	<.0000
Stddev	1.12	7.15	.0764	1.735	.0012	.4105
%RSD	10.41	58.18	47.13	86.07	.0109	53.02
#1	9.976	17.35	.2161	3.243	<.0000	<.0000
#2	11.56	7.237	.1081	.7892	<.0000	<.0000
Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391	
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}	
Units	ppb	ppb	ppb	ppb	ppb	
Avg	22.19	96.66	<.0000	39.11	1.384	
Stddev	1.00	.47	.7040	.16	.553	
%RSD	4.494	.4813	2.290	.4011	39.97	
#1	22.90	96.98	<.0000	39.22	1.775	
#2	21.49	96.33	<.0000	39.00	.9926	

Method: SPEX

Sample Name: ICSA-2

Operator:

Comment:

Run Time: 08/25/09 14:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	504700.	437000.	<.0000	<.0000	<.0000
Stddev	2.886	353.	599.	.6213	.0020	.0475
%RSD	8.531	.0700	.1372	.8116	.1609	.0119

#1	<.0000	504900.	437400.	<.0000	<.0000	<.0000
#2	<.0000	504400.	436600.	<.0000	<.0000	<.0000

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	1.290	<.0000	64.69	475100.	<.0000	.6076
Stddev	.026	.0489	6.81	930.	.0332	.0948
%RSD	2.003	89.37	10.53	.1958	3.383	15.60

#1	1.272	<.0000	69.51	475800.	<.0000	.6747
#2	1.308	<.0000	59.87	474500.	<.0000	.5406

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	160000.	<.0000	<.0000	<.0000
Stddev	3.696	.2454	346.	.1751	.0267	6.570
%RSD	849.8	.7435	.2165	.5849	.2267	1.063

#1	<.0000	<.0000	160200.	<.0000	<.0000	<.0000
#2	2.179	<.0000	159700.	<.0000	<.0000	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	471400.	<.0000	<.0000	27.01	22.94	<.0000
Stddev	35.	.0474	.0318	3.12	3.07	.0489
%RSD	.0075	1.150	.6836	11.54	13.37	.3123

#1	471500.	<.0000	<.0000	29.21	25.10	<.0000
#2	471400.	<.0000	<.0000	24.81	20.77	<.0000

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2094.	<.0000	16.68	2717.	<.0000	5.673
Stddev	6.	.4078	8.47	.	.5875	1.905
%RSD	.2709	.3500	50.77	.0111	.6791	33.58

#1	2098.	<.0000	22.67	2717.	<.0000	7.020
#2	2090.	<.0000	10.69	2718.	<.0000	4.326

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	14.49	.5674	4.562	<.0000	<.0000
Stddev	1.356	2.05	.1656	2.357	2.603	.7525
%RSD	4.383	14.14	29.18	51.67	137.5	3.710

#1	<.0000	13.04	.6844	2.895	<.0000	<.0000
#2	<.0000	15.94	.4503	6.228	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	<.0000	<.0000	<.0000
Stddev	.2850	1.452	2.773	.0491	1.148
%RSD	5.466	94.20	1.513	2.585	9.219

#1	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000

Method: SPEX

Sample Name: ICSAB-2

Operator:

Comment:

Run Time: 08/25/09 14:27 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	1008.	506400.	437000.	<.0000	<.0000	<.0000
Stddev	2.	450.	3024.	4.595	.0291	1.039
%RSD	.1788	.0889	.6920	5.611	2.130	.2491

#1	1007.	506100.	439200.	< .0000	<.0000	< .0000
#2	1009.	506700.	434900.	< .0000	<.0000	< .0000

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	492.5	480.7	54.48	470000.	997.3	509.7
Stddev	2.0	1.1	.92	1784.	8.6	.9
%RSD	.3962	.2372	1.696	.3796	.8667	.1762

#1	491.1	481.5	53.82	471300.	991.2	509.1
#2	493.9	479.9	55.13	468800.	1003.	510.4

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	545.9	452.1	161000.	<.0000	<.0000	<.0000
Stddev	4.3	2.0	276.	.0704	.2385	13.57
%RSD	.7850	.4405	.1711	.2211	1.811	2.399

#1	548.9	450.7	160800.	<.0000	<.0000	< .0000
#2	542.9	453.5	161200.	<.0000	<.0000	< .0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	473700.	449.8	<.0000	17.66	12.10	1093.
Stddev	2285.	2.6	.4473	2.18	1.97	5.
%RSD	.4824	.5719	11.95	12.32	16.31	.4685

#1	472100.	451.6	<.0000	19.20	13.50	1089.
#2	475300.	448.0	<.0000	16.12	10.71	1097.

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2100.	1157.	14.97	2897.	<.0000	10.31
Stddev	42.	1.	8.47	53.	67.66	3.01
%RSD	2.014	.0801	56.58	1.845	10.68	29.21

#1	2130.	1156.	8.982	2859.	< .0000	12.44
#2	2070.	1157.	20.96	2935.	< .0000	8.179

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	.7655	5.702	<.0000	<.0000
Stddev	1.856	14.33	.1910	2.481	.4580	.0352
%RSD	6.196	141.6	24.96	43.51	.8021	.1678

#1	< .0000	.0105	.9006	7.456	<.0000	<.0000
#2	< .0000	< .0000	.6304	3.948	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	577.1	<.0000	941.5	<.0000
Stddev	2.711	2.2	9.001	10.2	.5964
%RSD	16.93	.3823	3.058	1.083	4.870

#1	< .0000	575.6	< .0000	934.3	<.0000
#2	< .0000	578.7	< .0000	948.8	<.0000

Method: SPEX

Sample Name: CCV-4

Operator:

Comment:

Run Time: 08/25/09 14:36 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B 2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	526.8	2194.	2218.	2045.	<.0000	1886.
Stddev	.7	.	5.	5.	.0037	2.
%RSD	.1346	.0032	.2187	.2219	2.620	.1123

#1	527.3	2194.	2222.	2042.	<.0000	1887.
#2	526.3	2195.	2215.	2048.	<.0000	1884.

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	2088.	2120.	5.307	2114.	2146.	2099.
Stddev	7.	14.	3.003	3.	1.	4.
%RSD	.3389	.6796	56.59	.1370	.0351	.2103

#1	2083.	2130.	7.431	2116.	2146.	2096.
#2	2093.	2110.	3.184	2112.	2147.	2102.

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2101.	2090.	1976.	<.0000	10370.	2173.
Stddev	8.	11.	54.	1.325	37.	3.
%RSD	.3983	.5040	2.719	51.56	.3550	.1477

#1	2107.	2098.	2014.	<.0000	10400.	2171.
#2	2095.	2083.	1938.	<.0000	10340.	2175.

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2069.	2077.	2082.	1924.	2167.	2149.
Stddev	14.	5.	24.	5.	7.	17.
%RSD	.6554	.2441	1.145	.2695	.3020	.7872

#1	2059.	2080.	2065.	1921.	2163.	2137.
#2	2079.	2073.	2098.	1928.	2172.	2161.

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	1994.	<.0000	21.13	<.0000	1930.
Stddev	3.477	14.	.6047	4.98	163.4	149.
%RSD	21.98	.6894	8.831	23.57	9.108	7.699

#1	<.0000	2004.	<.0000	17.61	<.0000	1825.
#2	<.0000	1985.	<.0000	24.65	<.0000	2035.

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2048.	4485.	2141.	2120.	<.0000	<.0000
Stddev	11.	34.	3.	4.	5.931	.3422
%RSD	.5393	.7558	.1335	.1780	2.324	14.73

#1	2040.	4461.	2143.	2117.	<.0000	<.0000
#2	2055.	4509.	2139.	2123.	<.0000	<.0000

Elem	Tl1908	V 2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	1848.	2120.	<.0000	2113.	3.218
Stddev	3.	20.	28.20	9.	.085
%RSD	.1387	.9226	4.267	.4174	2.645

#1	1846.	2133.	<.0000	2107.	3.158
#2	1850.	2106.	<.0000	2119.	3.279

Method: SPEX

Sample Name: CCB-4

Operator:

Comment:

Run Time: 08/25/09 14:41 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Ag3280	Al3082	Al3961	As1937	Au2427	B_2496
Line	328.068 {102}	308.215 {109}	396.152 { 85}	193.759 {173}	242.795 {138}	249.678 {135}
Units	ppb	ppb	ppm	ppb	ppm	ppb
Avg	<.0000	3.385	<.0000	<.0000	<.0000	5.515
Stddev	.9275	12.54	4.412	1.012	.0013	.099
%RSD	97.93	370.3	3812.	24.09	63.50	1.791

#1	<.0000	<.0000	<.0000	<.0000	<.0000	5.585
#2	<.0000	12.25	3.004	<.0000	<.0000	5.445

Elem	Ba4934	Be3130	Bi1902	Ca3179	Cd2288	Co2286
Line	493.409 { 68}	313.042 {107}	190.241 {176}	317.933 {105}	228.802 {147}	228.616 {147}
Units	ppb	ppb	ppm	ppb	ppb	ppb
Avg	.6461	<.0000	5.471	<.0000	<.0000	<.0000
Stddev	.2705	.0028	2.773	3.599	.0379	.0118
%RSD	41.87	5.516	50.68	103.7	16.52	18.85

#1	.4548	<.0000	3.511	<.0000	<.0000	<.0000
#2	.8374	<.0000	7.432	<.0000	<.0000	<.0000

Elem	Cr3578	Cu3247	Fe2599	In2306	K 7664	Li6103
Line	357.869 { 94}	324.754 {103}	259.940 {129}	230.606 {146}	766.490 { 44}	610.362 { 55}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	.2692	.3068	<.0000	<.0000
Stddev	3.079	1.641	.1690	.4221	.0796	.1909
%RSD	106.1	353.0	62.80	137.6	210.6	2.702

#1	<.0000	.6956	.3887	.6053	.0185	<.0000
#2	<.0000	<.0000	.1496	.0083	<.0000	<.0000

Elem	Mg3838	Mn2576	Mo2020	Na5889	Na5895	Ni2316
Line	383.826 { 87}	257.610 {131}	202.030 {166}	588.995 { 57}	589.592 { 57}	231.604 {145}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	<.0000	4.898	<.0000	<.0000	.2897
Stddev	13.16	.0051	1.196	1.106	.3286	.0815
%RSD	386200.	19.67	24.41	10.59	1.737	28.13

#1	<.0000	<.0000	5.743	<.0000	<.0000	.2320
#2	9.305	<.0000	4.053	<.0000	<.0000	.3473

Elem	Os2255	Pb2203	Pd3242	Pt2036	Pt2144	Sb2068
Line	225.585 {149}	220.353 {152}	324.270 {103}	203.646 {164}	214.423 {156}	206.833 {162}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2290	<.0000	.4276	2.191	<.0000	1.661
Stddev	.9176	.0884	3.629	3.652	.1177	.608
%RSD	400.8	2.117	848.8	166.7	70.67	36.62

#1	<.0000	<.0000	<.0000	4.773	<.0000	2.091
#2	.8778	<.0000	2.994	<.0000	<.0000	1.231

Elem	Se1960	Si2881	Sn1899	Sr3464	Te2142	Ti3361
Line	196.090 {171}	288.158 {116}	189.989 {176}	346.446 { 97}	214.281 {157}	336.121 {100}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<.0000	6.506	.3602	1.140	<.0000	<.0000
Stddev	.2945	7.158	.0000	1.240	.0484	.0343
%RSD	21.75	110.0	.0068	108.8	6.040	141.3

#1	<.0000	1.445	.3602	2.017	<.0000	<.0000
#2	<.0000	11.57	.3602	.2629	<.0000	<.0000

Elem	Tl1908	V_2924	W 2397	Zn2138	Zr3391
Line	190.864 {176}	292.402 {115}	239.709 {140}	213.856 {157}	339.198 { 99}
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.790	2.053	.9922	<.0000	.0606
Stddev	.285	.242	.1354	.0118	.1279
%RSD	10.23	11.79	13.65	57.31	211.1

#1	2.588	1.882	.8965	<.0000	<.0000
#2	2.992	2.225	1.088	<.0000	.1510

Adirondack Environmental Services, Inc

PREP BATCH REPORT

Page: 1 of 2

Prep Start Date: 8/24/2009 8:15:00

Prep End Date: 8/24/2009 9:45:00

Prep Factor Units:
mL / mL

Prep Batch 22194 Prep Code: 3010A Technician: William Blom

Sample ID	Matrix	pH	Res Cl	SampAmt	Sol Added	Fin Vol	factor	PrepStart	PrepEnd
MB-22194			No	100	0	100	1.000	8/24/2009	8/24/2009
LCS-22194			No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-005C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-006C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-007C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-008C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-009C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-010C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-011C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-013C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-014C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-015C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-017B	Water		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-018B	Water		No	100	0	100	1.000	8/24/2009	8/24/2009
090812001-001B	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090812001-002B	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090812001-003B	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090812001-004B	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813037-004C	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009
090813001-005CDP	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009

Number	Reagent Name	Spk ID	Spike Name	SampType	AmtAdd
1706	Nitric Acid	MT3-SPIKE	ICPSSWS-M		0
1652	Hydrochloric Acid-metals	MT5-LCSW	SP090602		0

HotBlock/Bath Temp _____ °C
BathStartTime: _____ StopTime _____

Adirondack Environmental Services, Inc

PREP BATCH REPORT

Page: 2 of 2

Prep Start Date: 8/24/2009 8:15:00

Prep End Date: 8/24/2009 9:45:00

Prep Batch 22194 Prep Code: 3010A Technician: William Blom

Prep Factor Units:

mL / mL

Sample ID	Matrix	pH	Res Cl	SampAmt	Sol Added	Fin Vol	factor	PrepStart	PrepEnd
090813001-00SCMS	Groundwater		No	100	0	100	1.000	8/24/2009	8/24/2009

Number	Reagent Name
1706	Nitric Acid
1652	Hydrochloric Acid-metals

Spk ID	Spike Name	SampType	AmtAdd
MT3-SPIKE	ICPSSWS-M		0
MT5-LCSW	SP090602		0

HotBlock/Bath Temp _____ °C
BathStartTime: _____ Stop Time _____

INORGANIC
ANALYSIS

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

Effluent

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-018

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH	8.1			SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium				SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

Influent

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-017

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH	7.5			SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium				SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-1

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-013

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-1R

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-014

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	110			SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-2

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-015

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-3

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813037-004

Level (Low/Med): Low

Date Received: 8/13/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-4

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090812001-003

Level (Low/Med): Low

Date Received: 8/11/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	30			SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-4R

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090812001-001

Level (Low/Med): Low

Date Received: 8/11/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20			SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-6

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090812001-004

Level (Low/Med): Low

Date Received: 8/11/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	50			SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-7

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090812001-002

Level (Low/Med): Low

Date Received: 8/11/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	30			SM 3500 CR D

Comments

FORM I - CONV

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-9

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-006

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-10

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-005

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-11

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-011

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-13

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-007

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-16

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-008

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

MW-17

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-010

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

1

CONVENTIONALS ANALYSIS DATA SHEET

DUP 1

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Lab Sample ID: 090813001-009

Level (Low/Med): Low

Date Received: 8/12/09

% Solids: 0.0

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

Analyte	Concentration	C	Q	Method
Total Kjeldahl Nitrogen, as N				SM 4500 NH3 C
Ammonia, as N				EPA 350.1
Nitrate				EPA 300.0
Chemical Oxygen Demand (COD)				EPA 410.4
Biochemical Oxygen Demand (BOD 5)				SM 5210B
Total Organic Carbon (TOC)				SM 5310C
Total Dissolved Solids (TDS)				SM 2540C
Sulfate				EPA 300.0
Alkalinity				SM 2320B
Total Phenols				EPA 420.1
Chloride				EPA 300.0
Bromide				EPA 300.0
Eh				
Specific Conductance				EPA 120.1
Cyanide				EPA 335.4
pH				SM 4500 H+ B
Turbidity				EPA 180.1
Color				SM 2120B
Hexavalent Chromium	20	U		SM 3500 CR D

Comments

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : ug/L

Analyte	Initial Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							SM 4500 NH3 C
Ammonia, as N							EPA 350.1
Nitrate							EPA 300.0
COD							EPA 410.4
BOD 5							SM 5210B
TOC							SM 5310C
TDS							SM 2540C
Sulfate							EPA 300.0
Alkalinity							SM 2320B
Total Phenols							EPA 420.1
Chloride							EPA 300.0
Bromide							EPA 300.0
Eh							
Specific Conductance							EPA 120.1
Cyanide							EPA 335.4
pH							SM 4500 H+ B
Turbidity							EPA 180.1
Color							SM 2120B
Hexavalent Chromium	200	192	96	200	192	96	SM 3500 CR D

Comments

FORM II (Part 1) - CONV

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : ug/L

Analyte	Continuing Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							SM 4500 NH3 C
Ammonia, as N							EPA 350.1
Nitrate							EPA 300.0
COD							EPA 410.4
BOD 5							SM 5210B
TOC							SM 5310C
TDS							SM 2540C
Sulfate							EPA 300.0
Alkalinity							SM 2320B
Total Phenols							EPA 420.1
Chloride							EPA 300.0
Bromide							EPA 300.0
Eh							
Specific Conductance							EPA 120.1
Cyanide							EPA 335.4
pH							SM 4500 H+ B
Turbidity							EPA 180.1
Color							SM 2120B
Hexavalent Chromium	200	192	96				SM 3500 CR D

Comments

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : ug/L

Analyte	Initial Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							SM 4500 NH3 C
Ammonia, as N							EPA 350.1
Nitrate							EPA 300.0
COD							EPA 410.4
BOD 5							SM 5210B
TOC							SM 5310C
TDS							SM 2540C
Sulfate							EPA 300.0
Alkalinity							SM 2320B
Total Phenols							EPA 420.1
Chloride							EPA 300.0
Bromide							EPA 300.0
Eh							
Specific Conductance							EPA 120.1
Cyanide							EPA 335.4
pH							SM 4500 H+ B
Turbidity							EPA 180.1
Color							SM 2120B
Hexavalent Chromium	200	195	98	200	190	95	SM 3500 CR D

Comments

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : ug/L

Analyte	Continuing Calibration			Continuing Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							SM 4500 NH3 C
Ammonia, as N							EPA 350.1
Nitrate							EPA 300.0
COD							EPA 410.4
BOD 5							SM 5210B
TOC							SM 5310C
TDS							SM 2540C
Sulfate							EPA 300.0
Alkalinity							SM 2320B
Total Phenols							EPA 420.1
Chloride							EPA 300.0
Bromide							EPA 300.0
Eh							
Specific Conductance							EPA 120.1
Cyanide							EPA 335.4
pH							SM 4500 H+ B
Turbidity							EPA 180.1
Color							SM 2120B
Hexavalent Chromium	200	187	94				SM 3500 CR D

Comments

FORM II (Part 1) - CONV

U.S. EPA - CLP

2A

CRQL STANDARDS FOR CONVENTIONALS

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units : ug/L

Analyte	Initial Calibration			Initial Calibration			Method
	TRUE	Found	% R	TRUE	Found	% R	
TKN as N							SM 4500 NH3 C
Ammonia, as N							EPA 350.1
Nitrate							EPA 300.0
COD							EPA 410.4
BOD 5							SM 5210B
TOC							SM 5310C
TDS							SM 2540C
Sulfate							EPA 300.0
Alkalinity							SM 2320B
Total Phenols							EPA 420.1
Chloride							EPA 300.0
Bromide							EPA 300.0
Eh							
Specific Conductance							EPA 120.1
Cyanide							EPA 335.4
pH							SM 4500 H+ B
Turbidity							EPA 180.1
Color							SM 2120B
Hexavalent Chromium	20	18	90	20	17	85	SM 3500 CR D

Comments

FORM II (Part 2) - CONV

U.S. EPA - CLP

3

BLANKS

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Preparation Blank Matrix:

Water

Preparation Blank Concentration Units: ug/L

Analyte	Initial Calib. Blank(ug/L)	C	Continuing Calibration						Prep. Blank		Method
			1	C	2	C	3	C	C	C	
TKN as N											SM 4500 NH3 C
Ammonia, as N											EPA 350.1
Nitrate											EPA 300.0
COD											EPA 410.4
BOD 5											SM 5210B
TOC											SM 5310C
TDS											SM 2540C
Sulfate											EPA 300.0
Alkalinity											SM 2320B
Total Phenols											EPA 420.1
Chloride											EPA 300.0
Bromide											EPA 300.0
Eh											
Specific Conductance											EPA 120.1
Cyanide											EPA 335.4
pH											SM 4500 H+ B
Turbidity											EPA 180.1
Color											SM 2120B
Hexavalent Chromium	20	U	20	U	20	U			20	U	SM 3500 CR D

Comments

FORM III - CONV

U.S. EPA - CLP

3
BLANKS

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

Preparation Blank Matrix:

Water

Preparation Blank Concentration Units: ug/L

Analyte	Initial Calib. Blank(ug/L)	C	Continuing Calibration						Prep. Blank C	Method
			1	C	2	C	3	C		
TKN as N										SM 4500 NH3 C
Ammonia, as N										EPA 350.1
Nitrate										EPA 300.0
COD										EPA 410.4
BOD 5										SM 5210B
TOC										SM 5310C
TDS										SM 2540C
Sulfate										EPA 300.0
Alkalinity										SM 2320B
Total Phenols										EPA 420.1
Chloride										EPA 300.0
Bromide										EPA 300.0
Eh										
Specific Conductance										EPA 120.1
Cyanide										EPA 335.4
pH										SM 4500 H+ B
Turbidity										EPA 180.1
Color										SM 2120B
Hexavalent Chromium	20	U	20	U	20	U			20	U SM 3500 CR D

Comments

FORM III - CONV

U.S. EPA - CLP

5

SPIKE SAMPLE RECOVERY

MW-4R

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904 SAS No.:

SDG No.: Effluent

Matrix (soil/water): Water

Level (Low/Med): Low

% Solids: 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
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC									
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium	75-125	227		20		200	104		

Comments

FORM V (Part 1) - CONV

U.S. EPA - CLP

6

DUPLICATES

MW-4R

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG No.: Effluent

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 % R	Sample (S)	C	Duplicate (D)	C	% R	Q	M
TKN as N								
Ammonia, as N								
Nitrate								
COD								
BOD 5								
TOC								
TDS								
Sulfate								
Alkalinity								
Total Phenols								
Chloride								
Bromide								
Eh								
Specific Conductance								
Cyanide								
pH								
Turbidity								
Color								
Hexavalent Chromium	20	227		223		1.8		

Comments

Hexavalent Chromium duplicate from MS/MSD

FORM VI - CONV

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG: Effluent

Aqueous LCS Source:

Solid LCS Source:

Concentration Units : ug/L

Analyte	Aqueous (ug/L)			Solid (mg/Kg)					
	TRUE	Found	% R	TRUE	Found	C	Limits	% R	
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC									
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH	7.13	7.12	100						
Turbidity									
Color									
Hexavalent Chromium	627	632	101						

Comments

FORM VII - CONV

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

LAB NAME: Adirondack Environmental

CONTRACT:

LAB CODE: AES

Case No.: EN 0904

SAS No.:

SDG: Effluent

Aqueous LCS Source:

Solid LCS Source:

Concentration Units : ug/L

Analyte	Aqueous (ug/L)			Solid (mg/Kg)					
	TRUE	Found	% R	TRUE	Found	C	Limits	% R	
TKN as N									
Ammonia, as N									
Nitrate									
COD									
BOD 5									
TOC									
TDS									
Sulfate									
Alkalinity									
Total Phenols									
Chloride									
Bromide									
Eh									
Specific Conductance									
Cyanide									
pH									
Turbidity									
Color									
Hexavalent Chromium	100	97	97						

Comments

FORM VII - CONV

RAW QC

DATA

A-02

SAMPLE ID	VOL (ml)	abs	mg/L	Time	Date	Init
ICV (2)	50	.176	192			
ICB		.151	165			
LCS		-.001	-.001			
CRDL		.289	.316			
DOH 2532		.252	.275			
ENSR 090812001-1		.018	.020			
-2		.026	.028			
-3		.026	.028			
-4		.047	.051			
2 - 1 MS		.208	.227			
- 1 MSD		.204	.223			
DOH 2532 A	20/50	.154	.168			
B	20/50	.154	.168			
CCV -1		.176	.192			
CCB -2		-.002	-.002			
CRJ .02		.017	.018			
CCV -2		.176	.192			
CCB -2		-.004	-.005			
AMPHE 090812062-1	50	.067	.018			
CCV		.180	.197			
CCB		.016	.016			
ICV (2)	50	.179	.195			
ICB		-.003	-.003			
LCS (1)		.089	.097			
CR1 (.02)		.016	.017			
ENSR 090813007-4		.001	.001			
090813001-5		-.001	-.001			
-6		-.006	-.007			
-7		-.005	-.006			
-8		-.003	-.003			
-9		-.006	-.006			
-10		-.004	-.005			
-11		-.005	-.006			
CCV -1		.176	.190			
CCB -1		-.003	-.003			
ENSR 090813001-13		-.005	-.005			
-14		.098	.107			
-15		.002	.002			
CCV -2		0.171	.187			

M 29

Client	Sample ID	pH	Time	Date	Init
	Ref. Std 7.13	7.10			
afarge	090811021-1	7.34	13:10	8/11/09	TG
	-2	7.55			
	-5	7.88			
Veolia	090811030-1	7.10	15:00		
	Ref. st 6.48ru (6.28-6.68)	6.50 A → 100.3%	13:30	8/12/09	GV
Core	812031-1 int	7.58			
MTM	2 5/11	7.95			
	Ref. std 7.13	7.13	16:45	8/12/09	TG
UNY Coker	090812054-1	7.88			
	Ref. std 7.13	7.12	9:55	8/12/09	TG
ENSRMA	090813001-17	7.48			
	-18	8.1			
	Ref. st 6.48ru	6.49 A → Rel 100.15%	13:15	8/13/09	CS
Bulk Han	813026-1 BK1	6.41			
Env. Dep.	813027-1	7.22			
Coast/Econ	813031-1	8.16			
	Ref. std 6.48	6.47	15:30	8/13/09	TG
CSXT	090813049-1	8.30			
	48 -2	8.36			
	-3	8.2			
	-4	7.87			
	-5	8.23			
	-5	8.22			
curraws	090813063-1	7.06	16:50		
	Ref. Std 6.48	6.42	8:30	8/14/09	P2
Chauk	090814045-001 Cohen	7.51	14:25		
	Ref. Std 6.48	6.45			
	Ref. st 7.13ru	7.09	10:50	8/17/09	03
	818022-1 003A	7.13	15:05	8/18/09	05
	2 003	7.91			
	5	7.73			
deep	5	7.72			
	Ref. st 6.48ru	6.42 A →	8:20	8/19/09	00
JTM	818035-3 10 SX	7.81			
	4 10 SX	7.44			
	5 8 SX	6.51			



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www.adirondackenvironmental.com

AECOM
2 Technology Park Drive
Westford, Massachusetts 01886

Attention: Jennifer Atkins



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TITLE PAGE

On August 12, 2009 five water samples were received by Adirondack Environmental Services, Inc. from AECOM-Westford from the Ward Products site. On August 13, 2009 four water samples were received by Adirondack Environmental Services, Inc. from AECOM-Westford from the Ward Products site. These samples were analyzed for Volatile Organics as specified by the contract. The project was completed on September 15, 2009.



Laboratory Manager

Date: _____

9/15/09



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SAMPLE DATA

SUMMARY PACKAGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	*VOA GC/MS Method	*BNA GC/MS Method	*PCB GC Method	*Pest GC Method	*Metals	*Other CN
MW-14	090813001-001	X					
MW-15	090813001-002	X					
MW-19	090813001-003	X					
MW-20	090813001-004	X					
MW-5	090813001-012	X					
FGI-1	090813037-001	X					
MW-8	090813037-002	X					
MW-18	090813037-003	X					
MW-12	090813037-005	X					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
090813001-001	WATER	8/11/09	8/12/09	N/A	8/14/09
090813001-002	WATER	8/11/09	8/12/09	N/A	8/14/09
090813001-003	WATER	8/11/09	8/12/09	N/A	8/14/09
090813001-004	WATER	8/11/09	8/12/09	N/A	8/14/09
090813001-012	WATER	8/12/09	8/12/09	N/A	8/14/09
090813037-001	WATER	8/12/09	8/13/09	N/A	8/17/09
090813037-002	WATER	8/12/09	8/13/09	N/A	8/17/09
090813037-003	WATER	8/12/09	8/13/09	N/A	8/17/09
090813037-005	WATER	8/13/09	8/13/09	N/A	8/17/09



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Case Narrative

Client: AECOM/Westford – Ward Products

Case: EN 0905

SDG: FGI-1

<u>Sample ID</u>	<u>Laboratory Sample ID</u>	<u>Date Received</u>	<u>VTSR</u>	<u>Matrix</u>
MW-14	090813001-001	08/12/09	17:50	Water
MW-15	090813001-002	08/12/09	17:50	Water
MW-19	090813001-003	08/12/09	17:50	Water
MW-20	090813001-004	08/12/09	17:50	Water
MW-5	090813001-012	08/12/09	17:50	Water
FGI-1	090813037-001	08/13/09	12:01	Water
MW-8	090813037-002	08/13/09	12:01	Water
MW-18	090813037-003	08/13/09	12:01	Water
MW-12	090813037-005	08/13/09	12:01	Water

Volatile Organics

- 1) The samples were analyzed using EPA Method 8260 following the criteria for NYSDEC ASP.
- 2) The samples received on 8/12/09 had a temperature of 3 °C. The sample received on 8/13/09 had a temperature of 2 °C.
- 3) The water samples were preserved with HCl to a pH of less than 2. All samples were analyzed within the required holding times.
- 4) The %RSD for the compound 1,2,4-Trichlorobenzene in the initial calibration analyzed on 8/11/09 was outside the criteria established by the method. The %RSD for this compound was 23.8 %. The RRF for the compound 1,2,4-Trichlorobenzene in the initial calibration analyzed on 8/11/09 was outside the criteria established by the method. The RRF for this compound was 0.192. According to the protocol, two volatile organic compounds may exceed the %RSD limit of 20.5 % as long as the %RSD is less than 40 % and the RRF is above 0.010. The %RSD was less than 40 % and the RRF was greater than 0.010 for this compound.
- 5) The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/14/09 was outside the criteria established by the method. The RRF for this compound was 0.161. According to the protocol, two volatile organic compounds may exceed the %D limit of 25.0 % as long as the %D is less than 40 % and the RRF is above 0.010. The %D was less than 40 % and the RRF was greater than 0.010 for this compound.

Albany, NY

: 00003



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- 6) The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/17/09 was outside the criteria established by the method. The RRF for this compound was 0.167. According to the protocol, two volatile organic compounds may exceed the %D limit of 25.0 % as long as the %D is less than 40 % and the RRF is above 0.010. The %D was less than 40 % and the RRF was greater than 0.010 for these compounds.
- 7) Sample MW-14 (AES sample number 090813001-001) was used for the water matrix spike and the matrix spike duplicate analysis. All recoveries were within acceptable limits.
- 8) The surrogate recovery for Bromofluorobenzene for sample MW-3 MSD (AES sample number 090813037-004 MSD) was outside specified limits. According to the protocol, the matrix spike, matrix spike duplicate and matrix spike blank are not re-analyzed for surrogate recoveries outside specified limits. No further action is necessary.
- 9) The compound Methylene Chloride was present in the method blank analyzed on 8/17/09. The levels of this compound are within the protocol specified limits. Samples with this compound present that are associated with this blank are flagged with a "B" as required by the protocol.
- 10) The column used in Instrument C for analysis was a DB-624, 20 meters long with an internal diameter of 0.18 mm. The trap used for this instrument is a VOCARB 4000 with Carbopack C&B / Carboxen 1000 & 1001.

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

A handwritten signature in black ink, appearing to read "T. A. De...", is written over a horizontal line.

Laboratory Manager

Date: _____

8/15/09

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGI-1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813037-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3139.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		9.4	B
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGI-1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813037-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3139.D

Level (low/med): Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-012A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3122.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		7.0	
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		120	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-012A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3122.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813037-002A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3140.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	6.1		
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	11	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	64		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813037-002A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3140.D

Level (low/med):

Date Received: 8/13/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.: EN0905

SAS No.:

SDG No.:

FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813037-005A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3143.D

Level (low/med):

Date Received: 8/13/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624

ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	11	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	7.4		
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	130		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813037-005A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3143.D

Level (low/med):

Date Received: 8/13/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3110.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3110.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-15

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.: EN0905

SAS No.:

SDG No.:

FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-002A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3111.D

Level (low/med):

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624

ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-15

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-002A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3111.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-18

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.: EN0905

SAS No.:

SDG No.:

FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813037-003A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3141.D

Level (low/med):

Date Received: 8/13/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		11	B
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		8.0	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-18

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905

SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813037-003A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3141.D

Level (low/med): _____

Date Received: 8/13/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-19

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.:

EN0905

SAS No.:

SDG No.:

FGI-1

Matrix (soil/water):

WATER

Lab Sample ID:

090813001-003A

Sample wt/vol:

5.0

(g/mL)

ml

Lab File ID:

C3112.D

Level (low/med):

Date Received:

8/12/09

% Moisture: not dec.

100

Date Analyzed:

8/14/09

GC Column:

DB624

ID: 0.18

(mm)

Dilution Factor:

1.0

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		11	
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-19

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-003A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3112.D

Level (low/med):

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.: EN0905

SAS No.:

SDG No.:

FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-004A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3113.D

Level (low/med):

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624

ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-004A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3113.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AESCASE No.: EN0905

SAS No.: _____

SDG NO.: FGI-1

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	SMC4	TOT OUT
01	VBLK01	113	102	107		0
02	MW-14	112	101	104		0
03	MW-15	108	100	105		0
04	MW-19	113	95	101		0
05	MW-20	112	105	113		0
06	MW-5	114	109	110		0
07	VBLK02	112	90	100		0
08	MW-14MS	104	94	99		0
09	MW-14MSD	110	105	105		0
10	VMSB	119 *	108	111		1
11	FGI-1	113	96	105		0
12	MW-8	111	105	112		0
13	MW-18	112	101	109		0
14	MW-12	113	104	111		0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4

(76-114)

SMC2 (TOL) = Toluene-d8

(88-110)

SMC3 (BFB) = Bromofluorobenzene

(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AESCase No.: EN0905

SAS No.: _____

SDG No.: FGI-1Matrix Spike - EPA Sample No: MW-14

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMIT REC
1,1-Dichloroethene	50	0	58	116	(61-145)
Benzene	50	0	55	110	(76-127)
Trichloroethene	50	0	54	108	(71-120)
Toluene	50	0	51	102	(76-125)
Chlorobenzene	50	0	51	102	(75-130)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	% REC #	% RPD #	QC LIMITS RPD REC
1,1-Dichloroethene	50	60	120	3	14 (61-145)
Benzene	50	57	114	4	11 (76-127)
Trichloroethene	50	57	114	5	14 (71-120)
Toluene	50	53	106	4	13 (76-125)
Chlorobenzene	50	55	110	8	13 (75-130)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limitsRPD: 0 out of 5 outside limitsSpike Recovery: 0 out of 10 outside limits

Comments: _____

Contract: ENSR-Ward Products

Laboratory Control Spike - EPA Sample No: VM5B

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
1,1-Dichloroethene	50		62	124	(61-145)
Benzene	50		61	122	(76-127)
Trichloroethene	50		58	116	(71-120)
Toluene	50		55	110	(76-125)
Chlorobenzene	50		57	114	(75-130)

Comments:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK01

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905

SAS No.: _____ SDG NO.: FGI-1

Lab File ID: CB209.D

Lab Sample ID: VBK01

Date Analyzed: 8/14/2009

Time Analyzed: 10:43

GC Column: DB624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
MW-14	090813001-001A	C3110.D	15:55
MW-15	090813001-002A	C3111.D	16:23
MW-19	090813001-003A	C3112.D	16:51
MW-20	090813001-004A	C3113.D	17:20
MW-5	090813001-012A	C3122.D	21:34

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: VBLK01

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: CB209.D

Level (low/med): _____

Date Received: _____

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

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

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB209.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VLK02

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905

SAS No.: _____ SDG NO.: FGI-1

Lab File ID: CB210.D

Lab Sample ID: VLK02

Date Analyzed: 8/17/2009

Time Analyzed: 12:43

GC Column: DB624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
MW-14MS	090813001-001AMS	C3136.D	18:53
MW-14MSD	090813001-001AMSD	C3137.D	19:21
VMSE	VMSE	C3138.D	19:50
FGI-1	090813037-001A	C3139.D	20:18
MW-8	090813037-002A	C3140.D	20:47
MW-18	090813037-003A	C3141.D	21:15
MW-12	090813037-005A	C3143.D	22:12

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: VBLK02

Sample wt/vol: 5.0 (g/mL) mL

Lab File ID: CB210.D

Level (low/med): _____

Date Received: _____

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		6.8	
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.: EN0905

SAS No.:

SDG No.:

FGI-1

Matrix (soil/water): WATER

Lab Sample ID: VBLK02

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: CB210.D

Level (low/med):

Date Received:

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624

ID: 0.18

(mm)

Dilution Factor:

1.0

Soil Extract Volume:

(uL)

Soil Aliquot Volume:

(uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1
 Lab File ID: CS209.D Date Analyzed: 8/14/2009
 Instrument ID: MSVOAC Time Analyzed: 10:15
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1145582	5.29	461551	9.74	424402	12.79
UPPER LIMIT	2291164	5.79	923102	10.24	848804	13.29
LOWER LIMIT	572791	4.79	230776	9.24	212201	12.29
SAMPLE NO.						
VSTD050	1145582	5.29	461551	9.74	424402	12.79
VBLK01	1327267	5.29	567977	9.74	577658	12.79
MW-14	1370728	5.29	574599	9.74	575803	12.79
MW-15	1323670	5.29	558172	9.74	558822	12.80
MW-19	1395140	5.29	599324	9.74	587496	12.79
MW-20	1318057	5.29	559788	9.74	564966	12.79
MW-5	1098727	5.29	477280	9.74	477865	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1
 Lab File ID: CS210.D Date Analyzed: 8/17/2009
 Instrument ID: MSVOAC Time Analyzed: 12:14
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1032647	5.30	466124	9.74	435096	12.80
UPPER LIMIT	2065294	5.80	932248	10.24	870192	13.30
LOWER LIMIT	516324	4.80	233062	9.24	217548	12.30
SAMPLE NO.						
VSTD050	1032647	5.30	466124	9.74	435096	12.80
VBLK02	1352320	5.29	597271	9.74	590672	12.79
MW-14MS	1434409	5.29	585279	9.75	597652	12.79
MW-14MSD	1462813	5.29	592695	9.75	630676	12.79
VMSB	1291103	5.29	544036	9.74	576335	12.79
FGI-1	1461633	5.29	628269	9.75	629482	12.80
MW-8	1385772	5.29	594274	9.74	619204	12.79
MW-18	1400434	5.29	589680	9.74	584795	12.79
MW-12	1321180	5.29	565941	9.75	578935	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SAMPLE DATA

PACKAGE



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Case Narrative

Client: AECOM/Westford – Ward Products

Case: EN 0905

SDG: FGI-1

<u>Sample ID</u>	<u>Laboratory Sample ID</u>	<u>Date Received</u>	<u>VTSR</u>	<u>Matrix</u>
MW-14	090813001-001	08/12/09	17:50	Water
MW-15	090813001-002	08/12/09	17:50	Water
MW-19	090813001-003	08/12/09	17:50	Water
MW-20	090813001-004	08/12/09	17:50	Water
MW-5	090813001-012	08/12/09	17:50	Water
FGI-1	090813037-001	08/13/09	12:01	Water
MW-8	090813037-002	08/13/09	12:01	Water
MW-18	090813037-003	08/13/09	12:01	Water
MW-12	090813037-005	08/13/09	12:01	Water

Volatile Organics

- 1) The samples were analyzed using EPA Method 8260 following the criteria for NYSDEC ASP.
- 2) The samples received on 8/12/09 had a temperature of 3 °C. The sample received on 8/13/09 had a temperature of 2 °C.
- 3) The water samples were preserved with HCl to a pH of less than 2. All samples were analyzed within the required holding times.
- 4) The %RSD for the compound 1,2,4-Trichlorobenzene in the initial calibration analyzed on 8/11/09 was outside the criteria established by the method. The %RSD for this compound was 23.8 %. The RRF for the compound 1,2,4-Trichlorobenzene in the initial calibration analyzed on 8/11/09 was outside the criteria established by the method. The RRF for this compound was 0.192. According to the protocol, two volatile organic compounds may exceed the %RSD limit of 20.5 % as long as the %RSD is less than 40 % and the RRF is above 0.010. The %RSD was less than 40 % and the RRF was greater than 0.010 for this compound.
- 5) The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/14/09 was outside the criteria established by the method. The RRF for this compound was 0.161. According to the protocol, two volatile organic compounds may exceed the %D limit of 25.0 % as long as the %D is less than 40 % and the RRF is above 0.010. The %D was less than 40 % and the RRF was greater than 0.010 for this compound.

Albany, NY

: 00035



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- 6) The RRF for the compound 1,2,4-Trichlorobenzene in the continuing calibration analyzed on 8/17/09 was outside the criteria established by the method. The RRF for this compound was 0.167. According to the protocol, two volatile organic compounds may exceed the %D limit of 25.0 % as long as the %D is less than 40 % and the RRF is above 0.010. The %D was less than 40 % and the RRF was greater than 0.010 for these compounds.
- 7) Sample MW-14 (AES sample number 090813001-001) was used for the water matrix spike and the matrix spike duplicate analysis. All recoveries were within acceptable limits.
- 8) The surrogate recovery for Bromofluorobenzene for sample MW-3 MSD (AES sample number 090813037-004 MSD) was outside specified limits. According to the protocol, the matrix spike, matrix spike duplicate and matrix spike blank are not re-analyzed for surrogate recoveries outside specified limits. No further action is necessary.
- 9) The compound Methylene Chloride was present in the method blank analyzed on 8/17/09. The levels of this compound are within the protocol specified limits. Samples with this compound present that are associated with this blank are flagged with a "B" as required by the protocol.
- 10) The column used in Instrument C for analysis was a DB-624, 20 meters long with an internal diameter of 0.18 mm. The trap used for this instrument is a VOCARB 4000 with Carboxen C&B / Carboxen 1000 & 1001.

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

A handwritten signature in black ink, appearing to read "V. De...", is written over a horizontal line. Below the line, the text "Laboratory Manager" is printed.

Laboratory Manager

Date: 9/15/09



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CHAIN OF CUSTODY RECORD

AES Work Order #

090813001

Client Name: AECOM		Address: 2 Technology Dr. Westford MA 01886	
Send Report To: Paul Kilchenstein		Project Name (Location): Amsterdam NY	
Client Phone No: 603-224-3917		Client Fax No: _____	
PO Number: _____		Samplers: (Names) Eddie Zygarowski - Brendan Maye	
PO Number: _____		Samplers: (Signature) Eddie Zygarowski	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	VOCs	Total Cr	Hex Cr
				Matrix	Comp	Grab				
001	MW-14	8/11/09	6:15	A	GW		2	✓		
002	MW-15	8/11/09	7:16	A	GW		2	✓		
003	MW-19	8/11/09	5:43	A	GW		2	✓		
004	MW-20	8/11/09	7:14	A	GW		2	✓		
005	MW-10	8/12/09	3:36	A	GW		4	✓	✓	✓
006	MW-9	8/12/09	2:32	A	GW		4	✓	✓	✓
007	MW-13	8/12/09	1:22	A	GW		4	✓	✓	✓
008	MW-16	8/12/09	11:25	A	GW		4	✓	✓	✓
009	Dup. 2	8/12/09		A	GW		4	✓	✓	✓
010	MW-17	8/12/09	9:45	A	GW		4	✓	✓	✓
011	MW-11	8/12/09	10:46	A	GW		4	✓	✓	✓
012	MW-5	8/12/09	12:34	A	GW		2	✓		
013	MW-1	8/12/09	11:55	A	GW		4	✓	✓	✓
014	MW-1A	8/12/09	11:05	A	GW		4	✓	✓	✓

Shipment Arrived Via: FedEx UPS <u>Client</u> AES Other: _____		CC Report To / Special Instructions/Remarks: VOCs - 8260B Total Cr - 6010B Hex Cr SM 3500 Cr-d	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) Eddie Zygarowski		Received by: (Signature) B.S. Yantow	
Relinquished by: (Signature) _____		Received by: (Signature) _____	
Relinquished by: (Signature) _____		Received for Laboratory by: B.S. Yantow	
		Date/Time 8-12-09@1705	
		Date/Time _____	
		Date/Time 8-12-09@1750	
TEMPERATURE Ambient or Chilled Notes: 3°C		PROPERLY PRESERVED <input checked="" type="radio"/> Y <input type="radio"/> N Notes: _____	
		RECEIVED WITHIN HOLDING TIMES <input checked="" type="radio"/> Y <input type="radio"/> N Notes: _____	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.

: 00037

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AES Work Order #

090813037

Client Name: AECOM		Address: 2 Technology Park Dr Westford MA, 01886	
Send Report To: Paul Kilchenstein		Project Name (Location): Amsterdam NY	Samplers: (Names): Edlie Zygarovskii & Braden Maye
Client Phone No: 603-224-3917	Client Fax No:	PO Number:	Samplers: (Signature): Edlie Zygarovskii

[illegible]

Shipment Arrived Via: FedEx UPS <u>Client</u> AES Other: _____		CC Report To / Special Instructions/Remarks: VOC's = (8260B) Total CR = (6010B) Hex CR = (SM 3500-CRD)	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) <i>Eddie Zigmund</i>		Received by: (Signature) _____	
Relinquished by: (Signature) _____		Received by: (Signature) _____	
Relinquished by: (Signature) _____		Received for Laboratory by: <i>J. Nihedur</i>	
TEMPERATURE Ambient or <u>Chilled</u>		PROPERLY PRESERVED <u>Y</u> N	
Notes: _____		RECEIVED WITHIN HOLDING TIMES <u>Y</u> N	

PINK - Generator Copy

Adirondack Environmental Services, Inc.

: 00000

Sample ID:	Action:	ActionDate:	ID:	NewLocation:	Purpose:
090813001-001A	Receiving	8/13/2009 8:11:09 AM	Log In	Ref MS#1	
090813001-001A	Receiving	8/13/2009 8:14:05 AM	Log In	Ref MS#1	
090813001-001A	Logout	8/14/2009 3:55:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-002A	Receiving	8/13/2009 8:15:49 AM	Log In	Ref MS#1	
090813001-002A	Logout	8/14/2009 4:23:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-003A	Receiving	8/13/2009 8:15:49 AM	Log In	Ref MS#1	
090813001-003A	Logout	8/14/2009 4:51:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-004A	Receiving	8/13/2009 8:15:49 AM	Log In	Ref MS#1	
090813001-004A	Logout	8/14/2009 5:20:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-005A	Receiving	8/13/2009 8:15:49 AM	Log In	Ref MS#1	
090813001-005A	Logout	8/17/2009 1:12:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-005B	Receiving	8/13/2009 8:16:13 AM	Log In	Ref MS#1	
090813001-005B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-005C	Receiving	8/13/2009 8:16:25 AM	Log In	SampleLogIn	
090813001-005C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-006A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-006A	Logout	8/17/2009 1:40:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-006B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-006B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-006C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-006C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-007A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-007A	Logout	8/17/2009 2:08:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-007B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-007B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-007C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-007C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-008A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-008A	Logout	8/17/2009 2:37:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-008B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-008B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-008C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-008C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-009A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-009A	Logout	8/17/2009 3:05:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-009B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-009B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-009C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-009C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-010A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-010A	Logout	8/17/2009 3:34:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-010B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-010B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-010C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-010C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-011A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-011A	Logout	8/14/2009 9:05:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-011B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-011B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-011C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	
090813001-011C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-012A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-012A	Logout	8/14/2009 9:34:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-013A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-013A	Logout	8/17/2009 10:40:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-013B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogIn	

Sample ID:	Action:	ActionDate:	ID:	NewLocation:	Purpose:
090813001-013B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-013C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-013C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-014A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-014A	Logout	8/17/2009 11:09:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-014B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-014B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-014C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-014C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-015A	Receiving	8/13/2009 8:19:04 AM	Log In	Ref MS#1	
090813001-015A	Logout	8/20/2009 1:51:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-015B	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-015B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813001-015C	Receiving	8/13/2009 8:19:04 AM	Log In	SampleLogin	
090813001-015C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-016A	Receiving	8/13/2009 8:19:33 AM	Log In	SampleLogin	
090813001-016A	Logout	8/17/2009 5:27:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-017A	Receiving	8/13/2009 8:19:51 AM	Log In	SampleLogin	
090813001-017A	Logout	8/20/2009 7:58:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-017B	Receiving	8/13/2009 8:20:11 AM	Log In	Ref MS#1	
090813001-017B	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-017C	Receiving	8/13/2009 8:20:25 AM	Log In	SampleLogin	
090813001-017C	Logout	8/13/2009 9:55:00 AM	TG	Tara Gleason	PH_W
090813001-018A	Receiving	8/13/2009 8:21:09 AM	Log In	Ref MS#1	
090813001-018A	Logout	8/20/2009 2:48:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813001-018B	Receiving	8/13/2009 8:21:09 AM	Log In	SampleLogin	
090813001-018B	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813001-018C	Receiving	8/13/2009 8:21:09 AM	Log In	SampleLogin	
090813001-018C	Logout	8/13/2009 9:55:00 AM	TG	Tara Gleason	PH_W

Sample ID:	Action:	ActionDate:	ID:	NewLocation:	Purpose:
090813037-001A	Receiving	8/13/2009 12:10:57 PM	Log In	Ref MS#1	
090813037-001A	Receiving	8/13/2009 12:11:41 PM	Log In	Ref MS#1	
090813037-001A	Logout	8/17/2009 8:18:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813037-002A	Receiving	8/13/2009 12:13:01 PM	Log In	Ref MS#1	
090813037-002A	Logout	8/17/2009 8:47:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813037-003A	Receiving	8/13/2009 12:13:01 PM	Log In	Ref MS#1	
090813037-003A	Logout	8/17/2009 9:15:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813037-004A	Receiving	8/13/2009 12:13:01 PM	Log In	Ref MS#1	
090813037-004A	Logout	8/17/2009 9:44:00 PM	ML	Michele LaPierre	EPA_8260_WATE
090813037-004B	Receiving	8/13/2009 12:13:06 PM	Log In	Ref MS#1	
090813037-004B	Logout	8/13/2009 2:00:00 PM	BM	Bailey Molitor	HEX_CHROME
090813037-004C	Receiving	8/13/2009 12:13:12 PM	Log In	SampleLogIn	
090813037-004C	Logout	8/24/2009 8:15:00 AM	WB	William Blom	3010A
090813037-005A	Receiving	8/13/2009 12:13:01 PM	Log In	Ref MS#1	
090813037-005A	Logout	8/17/2009 10:12:00 PM	ML	Michele LaPierre	EPA_8260_WATE

VOLATILE ORGANICS
ANALYSIS

QC
SUMMARY

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES

CASE No.: EN0905

SAS No.: _____

SDG NO.: FGI-1

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	SMC4	TOT OUT
01	VBLK01	113	102	107		0
02	MW-14	112	101	104		0
03	MW-15	108	100	105		0
04	MW-19	113	95	101		0
05	MW-20	112	105	113		0
06	MW-5	114	109	110		0
07	VBLK02	112	90	100		0
08	MW-14MS	104	94	99		0
09	MW-14MSD	110	105	105		0
10	VMSE	119 *	108	111		1
11	FGI-1	113	96	105		0
12	MW-8	111	105	112		0
13	MW-18	112	101	109		0
14	MW-12	113	104	111		0

SMC1 (DCE) = 1,2-Dichloroethane-d4
SMC2 (TOL) = Toluene-d8
SMC3 (BFB) = Bromofluorobenzene

QC LIMITS
(76-114)
(88-110)
(86-115)

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

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AESCase No.: EN0905

SAS No.: _____

SDG No.: FGI-1Matrix Spike - EPA Sample No: MW-14

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMIT REC
1,1-Dichloroethene	50	0	58	116	(61-145)
Benzene	50	0	55	110	(76-127)
Trichloroethene	50	0	54	108	(71-120)
Toluene	50	0	51	102	(76-125)
Chlorobenzene	50	0	51	102	(75-130)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC # % RPD #		QC LIMITS RPD REC	
1,1-Dichloroethene	50	60	120	3	14	(61-145)
Benzene	50	57	114	4	11	(76-127)
Trichloroethene	50	57	114	5	14	(71-120)
Toluene	50	53	106	4	13	(76-125)
Chlorobenzene	50	55	110	8	13	(75-130)

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

RPD: 0 out of 5 outside limitsSpike Recovery: 0 out of 10 outside limits

Comments: _____

Laboratory Control Spike - EPA Sample No: VM5B

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
1,1-Dichloroethene	50		62	124	(61-145)
Benzene	50		61	122	(76-127)
Trichloroethene	50		58	116	(71-120)
Toluene	50		55	110	(76-125)
Chlorobenzene	50		57	114	(75-130)

Comments:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK01

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905

SAS No.: _____ SDG NO.: FGI-1

Lab File ID: CB209.D

Lab Sample ID: VBK01

Date Analyzed: 8/14/2009

Time Analyzed: 10:43

GC Column: DB624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
MW-14	090813001-001A	C3110.D	15:55
MW-15	090813001-002A	C3111.D	16:23
MW-19	090813001-003A	C3112.D	16:51
MW-20	090813001-004A	C3113.D	17:20
MW-5	090813001-012A	C3122.D	21:34

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK02

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905

SAS No.: _____ SDG NO.: FGI-1

Lab File ID: CB210.D

Lab Sample ID: VBK02

Date Analyzed: 8/17/2009

Time Analyzed: 12:43

GC Column: DB624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOAC

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
MW-14MS	090813001-001AMS	C3136.D	18:53
MW-14MSD	090813001-001AMSD	C3137.D	19:21
VMSE	VMSE	C3138.D	19:50
FGI-1	090813037-001A	C3139.D	20:18
MW-8	090813037-002A	C3140.D	20:47
MW-18	090813037-003A	C3141.D	21:15
MW-12	090813037-005A	C3143.D	22:12

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0905SAS No.: _____ SDG NO.: FGI-1Lab File ID: CT202.DBFB Injection Date: 8/11/2009Instrument ID: MSVOACBFB Injection Time: 10:05GC Column: DB624 ID: 0.18 (mm)Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.4
75	30.0 - 60.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	69.0
175	5.0 - 9.0% of mass 174	5.6 (8.2) 1
176	95.0 - 101.0% of mass 174	68.9 (99.8) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD200	VSTD200	CS202.D	8/11/2009	10:29
VSTD100	VSTD100	CS203.D	8/11/2009	10:57
VSTD050	VSTD050	CS204.D	8/11/2009	11:26
VSTD010	VSTD010	CS205.D	8/11/2009	11:55
VSTD005	VSTD005	CS206.D	8/11/2009	12:23

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0905SAS No.: _____ SDG NO.: FGI-1Lab File ID: CT209.DBFB Injection Date: 8/14/2009Instrument ID: MSVOACBFB Injection Time: 09:53GC Column: DB624 ID: 0.18 (mm)Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	
75	30.0 - 60.0% of mass 95	20.2
95	Base Peak, 100% relative abundance	51.2
96	5.0 - 9.0% of mass 95	100.0
173	Less than 2.0% of mass 174	5.3
174	50.0 - 100.0% of mass 95	0.0 (0.0) 1
175	5.0 - 9.0% of mass 174	87.4
176	95.0 - 101.0% of mass 174	4.4 (5.0) 1
177	5.0 - 9.0% of mass 176	86.7 (99.2) 1
		5.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	VSTD050	CS209.D	8/14/2009	10:15
VBLK01	VBLK01	CB209.D	8/14/2009	10:43
MW-14	090813001-001A	C3110.D	8/14/2009	15:55
MW-15	090813001-002A	C3111.D	8/14/2009	16:23
MW-19	090813001-003A	C3112.D	8/14/2009	16:51
MW-20	090813001-004A	C3113.D	8/14/2009	17:20
MW-5	090813001-012A	C3122.D	8/14/2009	21:34

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: AES, Inc.Contract: ENSR-Ward ProductsLab Code: AES Case No.: EN0905SAS No.: _____ SDG NO.: EGI-1Lab File ID: CT210.DBFB Injection Date: 8/17/2009Instrument ID: MSVOACBFB Injection Time: 11:53GC Column: DB624 ID: 0.18 (mm)Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	42.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.0
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.6 (7.9) 1
176	95.0 - 101.0% of mass 174	81.8 (98.2) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	VSTD050	CS210.D	8/17/2009	12:14
VBLK02	VBLK02	CB210.D	8/17/2009	12:43
MW-14MS	090813001-001AMS	C3136.D	8/17/2009	18:53
MW-14MSD	090813001-001AMSD	C3137.D	8/17/2009	19:21
VMSB	VMSB	C3138.D	8/17/2009	19:50
EGI-1	090813037-001A	C3139.D	8/17/2009	20:18
MW-8	090813037-002A	C3140.D	8/17/2009	20:47
MW-18	090813037-003A	C3141.D	8/17/2009	21:15
MW-12	090813037-005A	C3143.D	8/17/2009	22:12

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1
 Lab File ID: CS209.D Date Analyzed: 8/14/2009
 Instrument ID: MSVOAC Time Analyzed: 10:15
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1145582	5.29	461551	9.74	424402	12.79
UPPER LIMIT	2291164	5.79	923102	10.24	848804	13.29
LOWER LIMIT	572791	4.79	230776	9.24	212201	12.29
SAMPLE NO.						
VSTD050	1145582	5.29	461551	9.74	424402	12.79
VLK01	1327267	5.29	567977	9.74	577658	12.79
MW-14	1370728	5.29	574599	9.74	575803	12.79
MW-15	1323670	5.29	558172	9.74	558822	12.80
MW-19	1395140	5.29	599324	9.74	587496	12.79
MW-20	1318057	5.29	559788	9.74	564966	12.79
MW-5	1098727	5.29	477280	9.74	477865	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1
 Lab File ID: CS210.D Date Analyzed: 8/17/2009
 Instrument ID: MSVOAC Time Analyzed: 12:14
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1032647	5.30	466124	9.74	435096	12.80
UPPER LIMIT	2065294	5.80	932248	10.24	870192	13.30
LOWER LIMIT	516324	4.80	233062	9.24	217548	12.30
SAMPLE NO.						
VSTD050	1032647	5.30	466124	9.74	435096	12.80
VLK02	1352320	5.29	597271	9.74	590672	12.79
MW-14MS	1434409	5.29	585279	9.75	597652	12.79
MW-14MSD	1462813	5.29	592695	9.75	630676	12.79
VMSE	1291103	5.29	544036	9.74	576335	12.79
FGI-1	1461633	5.29	628269	9.75	629482	12.80
MW-8	1385772	5.29	594274	9.74	619204	12.79
MW-18	1400434	5.29	589680	9.74	584795	12.79
MW-12	1321180	5.29	565941	9.75	578935	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Volatile Organics Water MDL - Instrument C

Date Performed:

1/13/2009

Analyte	Conc 1	Conc 2	Conc 3	Conc 4	Conc 5	Conc 6	Conc 7	Std Dev	IDL
Chloromethane	18.02	15.95	16.26	16.14	16.94	14.47	16.76	1.0840	3.41
Bromomethane	28.75	24.20	28.21	28.38	29.25	26.21	28.27	1.7779	5.59
Vinyl chloride	19.92	18.09	17.73	17.69	18.40	16.93	18.21	0.9200	2.89
Chloroethane	38.23	30.77	35.78	39.78	36.41	39.33	35.08	3.0858	9.70
Methylene chloride	23.07	22.75	22.96	23.72	24.54	20.13	21.54	1.4479	4.55
Acetone	28.87	26.83	25.15	24.81	23.67	28.70	23.95	2.1597	6.79
Carbon disulfide	20.61	19.09	20.77	19.88	19.58	18.87	20.51	0.7586	2.38
1,1-Dichloroethene	21.11	22.65	21.04	20.21	22.54	19.55	23.23	1.3677	4.30
1,1-Dichloroethane	23.40	20.93	20.77	21.09	21.37	19.32	21.58	1.2122	3.81
trans-1,2-Dichloroethene	21.60	19.74	21.15	19.56	19.95	18.49	22.25	1.3176	4.14
cis-1,2-Dichloroethene	21.28	18.87	19.37	19.38	19.29	17.09	20.89	1.3763	4.33
Chloroform	23.17	21.01	21.03	21.44	21.61	19.77	21.71	1.0182	3.20
1,2-Dichloroethane	21.52	21.79	21.59	21.05	21.23	19.73	22.27	0.8005	2.52
2-Butanone	14.99	19.34	18.04	17.61	17.13	16.92	16.89	1.3215	4.15
1,1,1-Trichloroethane	21.95	19.86	19.56	20.10	20.30	18.35	19.95	1.0677	3.36
Carbon tetrachloride	21.90	19.62	19.58	19.75	19.96	18.29	19.19	1.0922	3.43
Bromodichloromethane	20.56	19.09	18.24	19.24	19.12	17.57	18.72	0.9295	2.92
1,2-Dichloropropane	19.35	18.28	18.03	18.67	18.64	16.56	17.94	0.8688	2.73
cis-1,3-Dichloropropene	19.93	19.13	18.28	18.82	18.20	17.05	18.19	0.9018	2.83
Trichloroethene	20.57	18.17	18.07	18.85	19.00	17.03	18.62	1.0826	3.40
Dibromochloromethane	19.68	18.73	18.19	18.68	18.76	16.75	18.65	0.8875	2.79
1,1,2-Trichloroethane	18.85	20.51	17.86	20.33	18.54	16.69	17.89	1.3769	4.33
Benzene	19.98	18.44	18.15	18.80	18.61	16.79	17.98	0.9603	3.02
trans-1,3-Dichloropropene	19.71	18.98	18.30	19.16	18.96	17.04	18.43	0.8516	2.68
Bromoform	17.50	17.32	17.38	17.89	17.37	15.93	16.53	0.6672	2.10
4-Methyl-2-pentanone	17.89	19.95	20.33	19.59	18.97	19.16	18.37	0.8610	2.71
2-Hexanone	15.91	17.66	17.46	17.42	16.80	16.66	16.33	0.6498	2.04
Tetrachloroethene	21.37	19.82	19.50	19.54	19.81	18.53	19.68	0.8399	2.64
1,1,2,2-Tetrachloroethane	18.27	19.40	18.54	18.15	18.80	17.71	19.10	0.5816	1.83
Toluene	20.73	19.48	19.03	19.35	19.54	17.63	19.25	0.9129	2.87
Chlorobenzene	20.92	19.49	18.47	19.07	19.49	17.62	19.40	1.0175	3.20
Ethylbenzene	21.30	19.67	18.92	19.21	19.50	17.69	19.74	1.0795	3.39
Styrene	21.13	19.42	18.82	18.99	19.56	17.56	19.31	1.0623	3.34
m,p-Xylene	41.72	41.92	40.99	41.83	42.77	39.55	42.01	1.0212	3.21
o-Xylene	20.96	19.37	18.92	19.08	19.48	17.22	19.50	1.1035	3.47
Methyl tert-butyl ether	42.08	41.66	42.59	42.08	43.30	39.76	42.92	1.1553	3.63
Dichlorodifluoromethane	13.42	11.96	12.29	11.97	12.56	10.41	12.11	0.9021	2.84
Methyl Acetate	18.04	21.02	17.48	19.83	18.49	17.40	18.53	1.3130	4.13
1,1,2-Trichloro-1,2,2-trifluoroethane	22.63	18.89	19.73	20.34	21.03	19.40	21.63	1.3236	4.16
Cyclohexane	19.93	17.13	17.88	19.14	18.30	17.28	18.80	1.0149	3.19
Trichlorofluoromethane	27.21	22.85	23.45	23.76	24.69	21.57	24.25	1.7523	5.51
Methyl Cyclohexane	20.01	17.60	18.23	19.64	18.21	17.22	18.70	1.0184	3.20
1,2-Dibromoethane	19.67	19.72	18.80	19.54	19.67	18.09	18.56	0.6598	2.07
1,3-Dichlorobenzene	21.05	20.02	19.24	20.09	20.14	17.95	20.23	0.9772	3.07
Isopropylbenzene	22.40	20.66	19.69	20.03	20.51	18.47	20.76	1.1947	3.75
1,2-Dichlorobenzene	21.17	20.94	20.24	20.59	20.86	19.04	20.75	0.7119	2.24
1,4-Dichlorobenzene	21.31	20.54	19.58	20.34	20.38	18.58	19.93	0.8567	2.69
1,2-Dibromo-3-chloropropane	15.43	22.35	20.99	21.31	21.81	18.24	19.79	2.4331	7.65

Volatile Organics Water MDL - Instrument C

Date Performed:

1/13/2009

Analyte	Conc 1	Conc 2	Conc 3	Conc 4	Conc 5	Conc 6	Conc 7	Std Dev	IDL
1,2,4-Trichlorobenzene	21.72	21.19	19.15	20.61	19.83	18.81	20.25	1.0511	3.30
1,1,1,2-Tetrachloroethane	21.09	20.04	18.80	18.77	19.77	17.67	19.98	1.1161	3.51
1,2,3-Trichlorobenzene	23.53	19.06	18.99	19.55	19.08	19.02	18.68	1.7074	5.37
1,2,3-Trichloropropane	18.90	19.68	19.03	19.02	18.80	17.21	17.99	0.8099	2.55
1,2,4-Trimethylbenzene	21.96	20.79	19.70	20.01	20.49	18.17	20.67	1.1645	3.66
1,3,5-Trimethylbenzene	22.17	20.80	19.60	20.28	20.40	17.93	20.47	1.2822	4.03
1,3-Dichloropropane	18.73	18.08	17.44	18.23	18.08	17.20	17.80	0.5106	1.60
1,4-Dioxane	244.51	292.86	260.39	240.41	232.52	295.31	214.55	30.4110	95.58
2,2-Dichloropropane	23.66	20.42	20.18	20.56	20.54	18.55	20.70	1.5147	4.76
2-Chloroethyl vinyl ether	18.98	17.66	16.21	16.46	15.98	14.79	15.69	1.3797	4.34
4-Isopropyltoluene	22.40	20.93	19.51	20.63	20.63	18.23	20.97	1.3024	4.09
Acetonitrile	198.44	199.08	209.47	204.87	202.27	189.56	201.67	6.1848	19.44
Acrolein	59.22	59.60	55.65	59.04	56.27	53.95	54.79	2.3223	7.30
Acrylonitrile	82.39	82.50	77.31	81.54	79.71	78.22	81.30	2.0515	6.45
Allyl chloride	20.96	20.75	20.50	21.51	21.77	19.72	22.41	0.8887	2.79
Bromochloromethane	18.73	17.58	17.25	20.00	21.60	16.19	16.20	2.0168	6.34
Dibromomethane	19.19	18.38	18.53	18.41	17.19	16.31	18.22	0.9629	3.03
Ethyl methacrylate	17.87	18.74	19.19	19.46	18.50	18.44	18.73	0.5191	1.63
Hexachlorobutadiene	22.18	23.75	20.17	22.63	21.82	20.05	21.65	1.3141	4.13
Iodomethane	21.62	21.32	22.87	22.89	23.06	20.99	23.31	0.9495	2.98
Isobutyl Alcohol	285.16	308.06	274.81	310.38	243.54	272.38	255.29	24.9882	78.54
Methacrylonitrile	174.38	185.30	198.64	183.06	190.62	183.72	180.76	7.6765	24.13
Methyl methacrylate	16.97	18.71	18.58	18.48	18.15	17.59	17.61	0.6420	2.02
Naphthalene	21.48	20.87	20.99	20.15	20.56	20.84	21.36	0.4543	1.43
n-Butylbenzene	22.81	21.66	19.88	20.95	20.76	18.11	21.29	1.4789	4.65
n-Propylbenzene	23.69	20.77	19.85	21.37	22.29	19.68	20.79	1.4085	4.43
Propionitrile	163.43	187.32	182.66	175.17	164.48	170.21	166.68	9.2631	29.11
sec-Butylbenzene	22.17	20.83	19.28	20.26	20.23	17.64	20.66	1.4070	4.42
tert-Butylbenzene	20.93	19.80	18.75	19.53	19.45	17.20	19.78	1.1481	3.61
Vinyl acetate	21.15	20.52	22.79	23.53	23.71	20.19	22.09	1.4193	4.46

Reviewed by QA Manager:



Date:

1/15/09

SAMPLE

DATA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGI-1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813037-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3139.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	9.4	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FGI-1

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813037-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3139.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

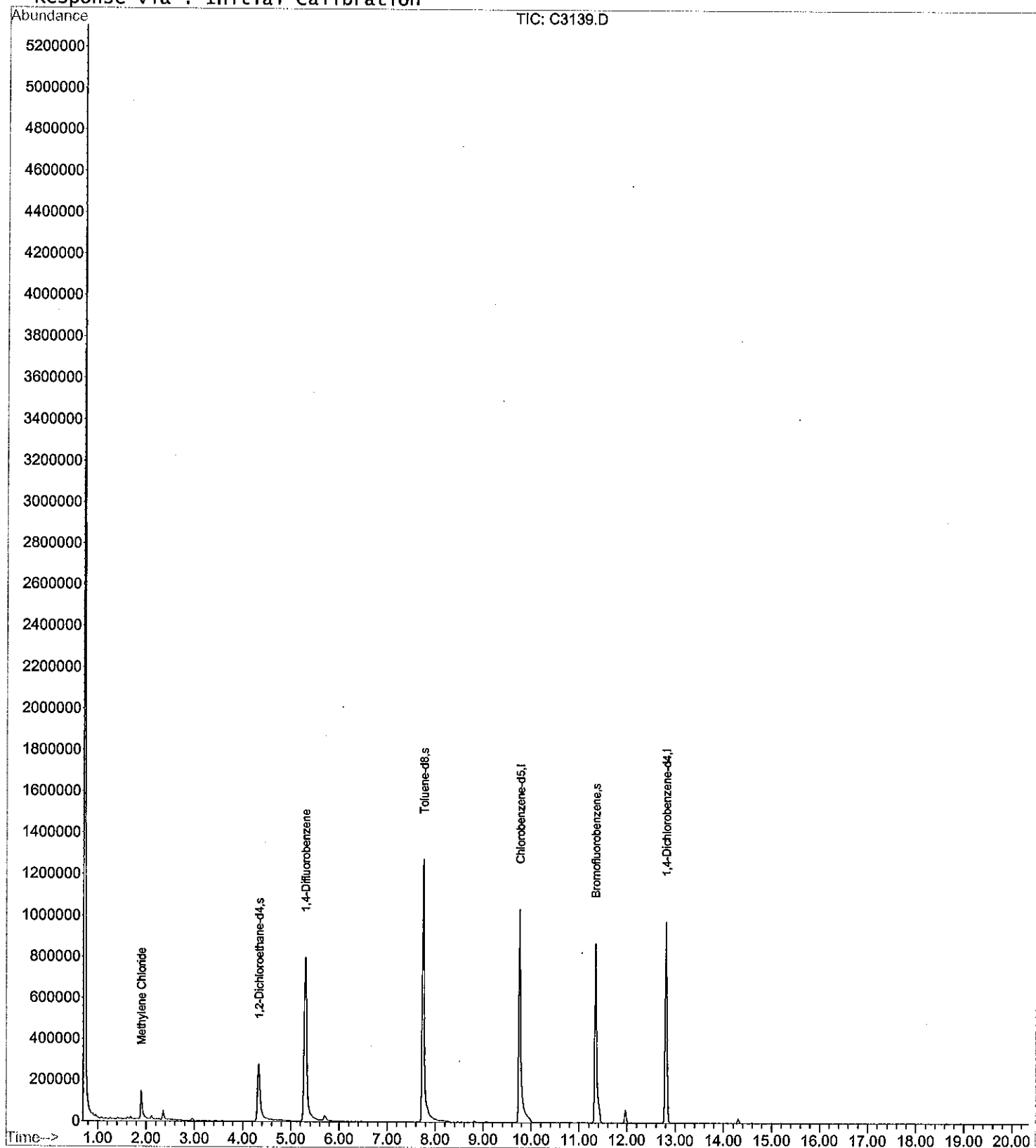
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3139.D
Acq On : 17 Aug 2009 8:18 pm
Sample : 090813037-001A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:55 2009

Vial: 19
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090817\C3139.D

Vial: 19

Acq On : 17 Aug 2009 8:18 pm

Operator:

Sample : 090813037-001A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 18 9:55 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

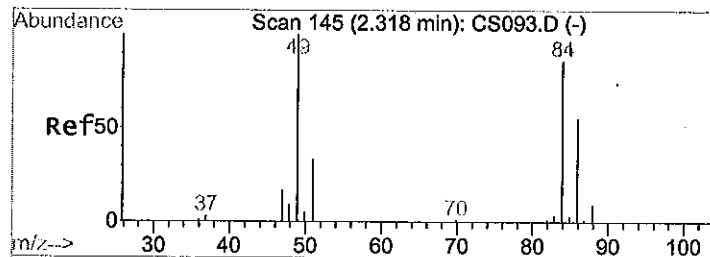
Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

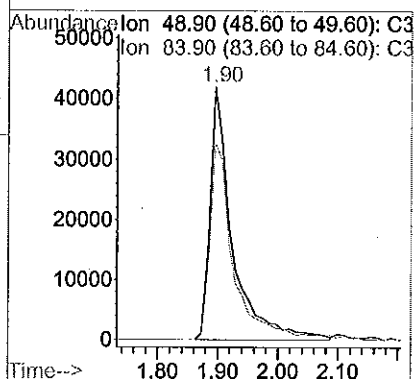
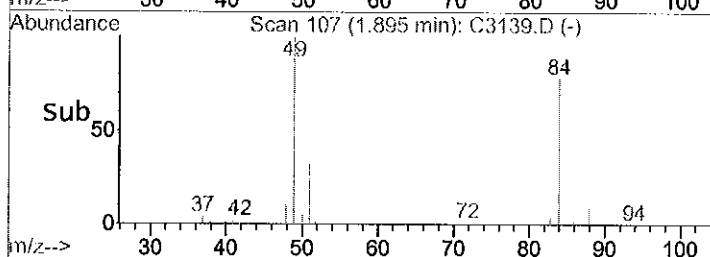
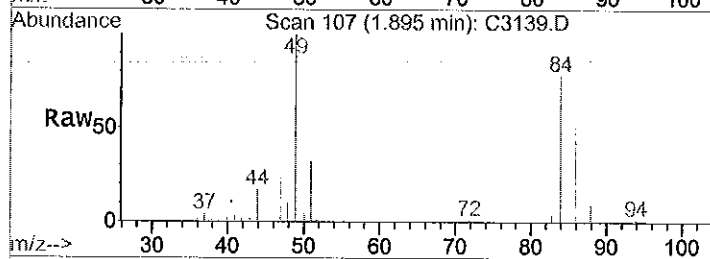
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1461633	50.00	ug	-0.02
36) Chlorobenzene-d5	9.75	82	628269	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.80	150	629482	50.00	ug	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.33	65	453748m	56.34	ug	-0.01
57) Toluene-d8	7.75	98	1457343	47.83	ug	0.00
72) Bromofluorobenzene	11.33	95	510521	52.63	ug	-0.01
Target Compounds						
16) Methylene Chloride	1.90	49	107850	9.40	ug	Qvalue 88



#16
Methylene Chloride
Concen: 9.40 ug
RT: 1.90 min Scan# 107
Delta R.T. -0.00 min
Lab File: C3139.D
Acq: 17 Aug 2009 8:18 pm

Tgt Ion: 49 Resp: 107850
Ion Ratio Lower Upper
49 100
84 83.8 76.7 115.1



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-012A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3122.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-tri		5.0	U
75-15-0	Carbon disulfide		5.0	U
67-64-1	Acetone		10	U
79-20-9	Methyl Acetate		5.0	U
75-09-2	Methylene Chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl Ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
156-59-2	cis-1,2-Dichloroethene		7.0	
74-97-5	Bromochloromethane		5.0	U
67-66-3	Chloroform		5.0	U
110-82-7	Cyclohexane		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
78-93-3	2-Butanone		10	U
108-87-2	Methyl Cyclohexane		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon Tetrachloride		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		120	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
75-25-2	Bromoform		5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-012A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3122.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

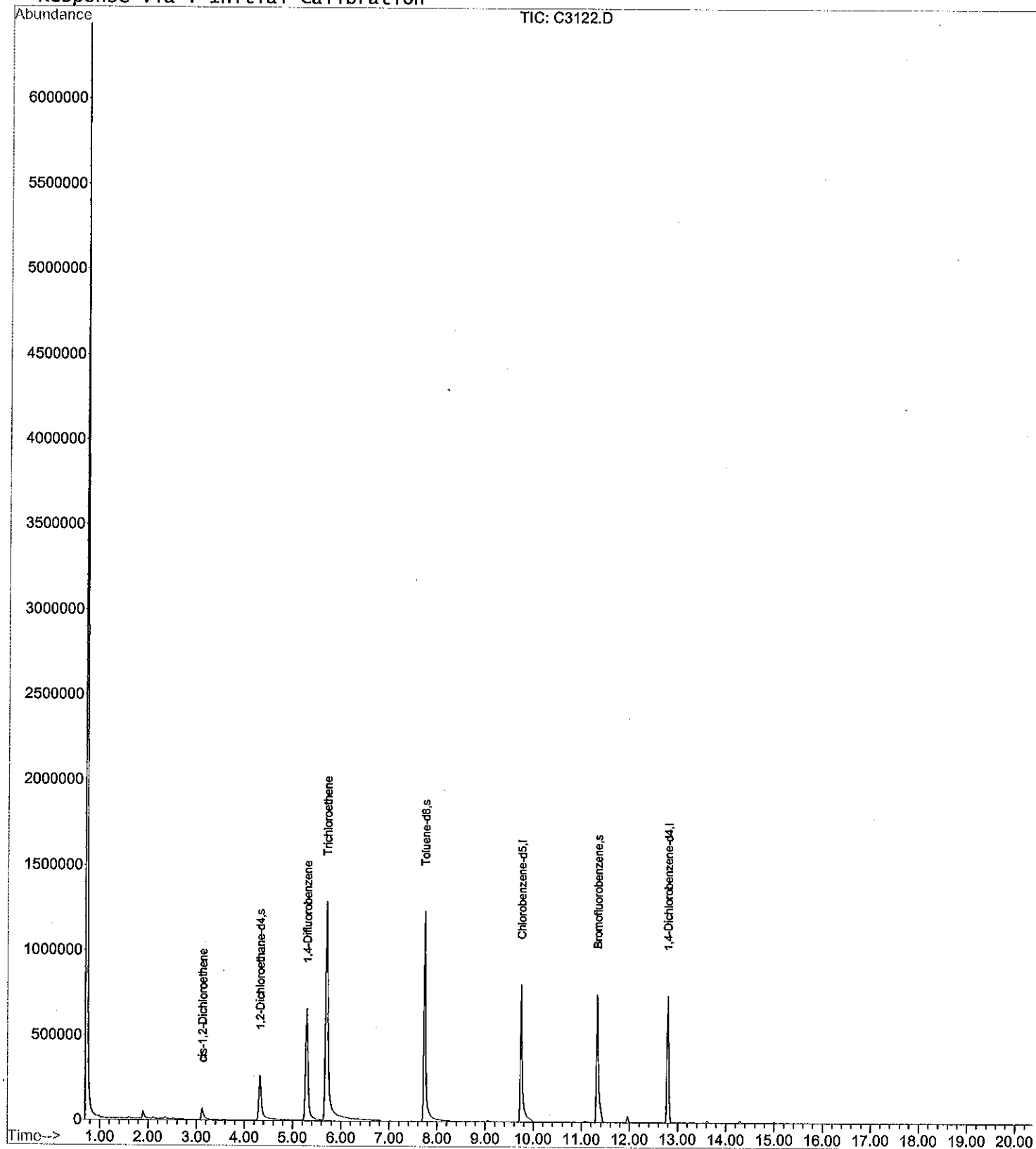
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\C3122.D
Acq On : 14 Aug 2009 9:34 pm
Sample : 090813001-012A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 17 13:06 2009

Vial: 26
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\C3122.D

Vial: 26

Acq On : 14 Aug 2009 9:34 pm

Operator:

Sample : 090813001-012A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 13:06 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

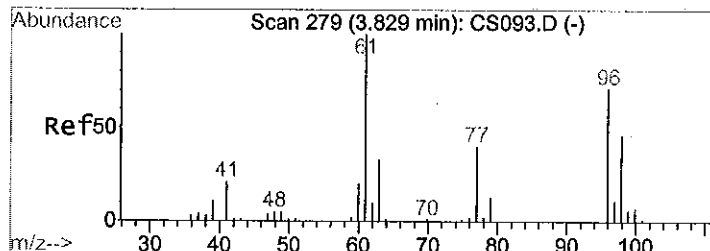
Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1098727	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	477280	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	477865	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	344259m	56.87	ug	-0.02
57) Toluene-d8	7.74	98	1267041m	54.74	ug	-0.01
72) Bromofluorobenzene	11.32	95	406333m	55.18	ug	-0.02
Target Compounds						
24) cis-1,2-Dichloroethene	3.13	61	78605	6.99	ug	Qvalue 90
43) Trichloroethene	5.70	130	908790	123.37	ug	# 72

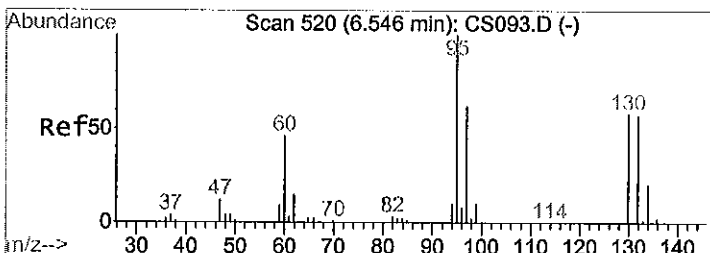
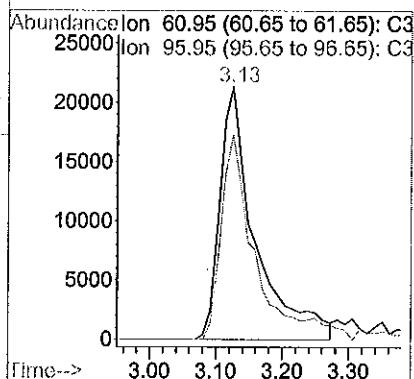
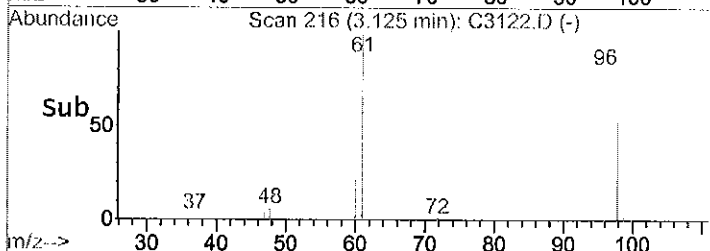
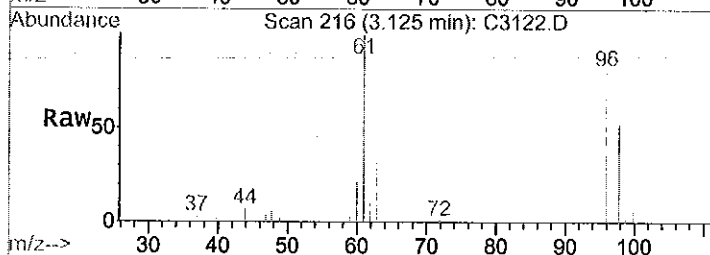
(#) = qualifier out of range (m) = manual integration

C3122.D NBL9.M Tue Sep 01 14:22:12 2009



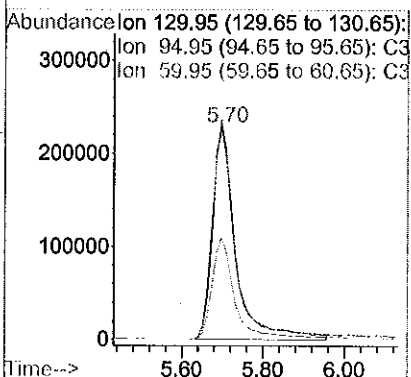
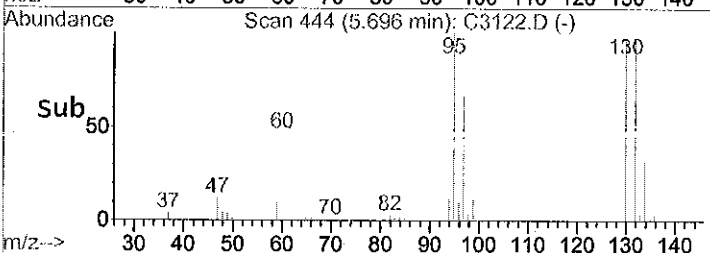
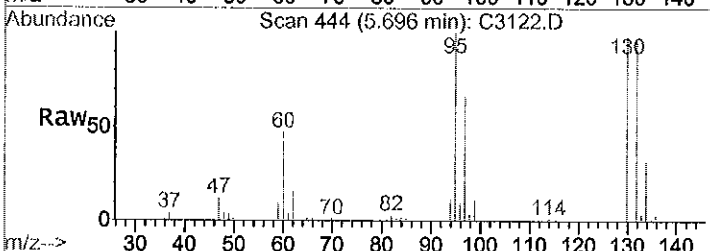
#24
 cis-1,2-Dichloroethene
 Concen: 6.99 ug
 RT: 3.13 min Scan# 216
 Delta R.T. -0.01 min
 Lab File: C3122.D
 Acq: 14 Aug 2009 9:34 pm

Tgt Ion: 61 Resp: 78605
 Ion Ratio Lower Upper
 61 100
 96 78.6 70.7 106.1



#43
 Trichloroethene
 Concen: 123.37 ug
 RT: 5.70 min Scan# 444
 Delta R.T. -0.02 min
 Lab File: C3122.D
 Acq: 14 Aug 2009 9:34 pm

Tgt Ion: 130 Resp: 908790
 Ion Ratio Lower Upper
 130 100
 95 102.2 112.9 169.3#
 60 46.4 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813037-002A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3140.D

Level (low/med): _____

Date Received: 8/13/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	6.1		
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	11	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	64		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813037-002A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3140.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

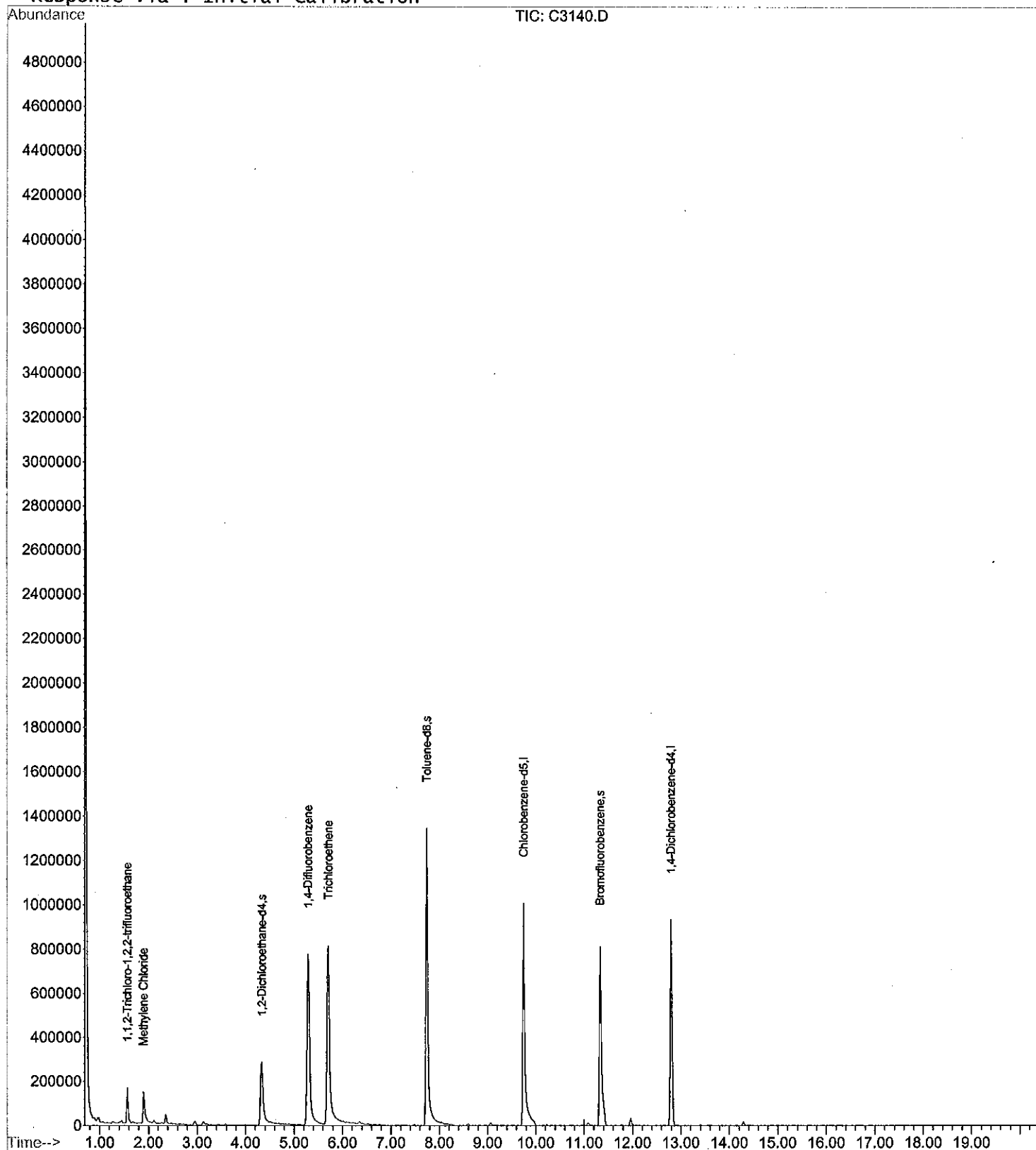
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3140.D
Acq On : 17 Aug 2009 8:47 pm
Sample : 090813037-002A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:57 2009

Vial: 20
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration



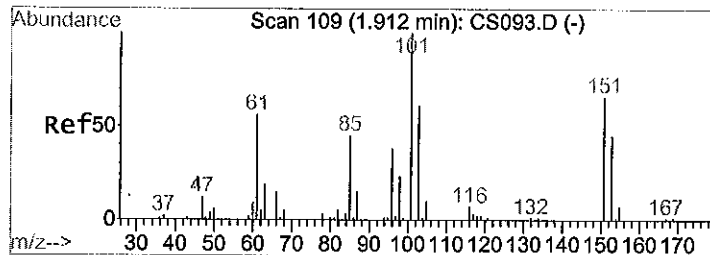
Data File : C:\HPCHEM\1\DATA\090817\C3140.D
 Acq On : 17 Aug 2009 8:47 pm
 Sample : 090813037-002A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:57 2009

Vial: 20
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Wed Aug 12 11:23:26 2009
 Response via : Initial Calibration
 DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1385772	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	594274	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	619204	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.33	65	424243m	55.56	ug	-0.01
57) Toluene-d8	7.74	98	1513577	52.52	ug	-0.01
72) Bromofluorobenzene	11.32	95	534193	55.99	ug	-0.02
Target Compounds						
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	60298	6.12	ug	Qvalue # 64
16) Methylene chloride	1.90	49	119851	11.01	ug	# 83
43) Trichloroethene	5.71	130	583966	63.67	ug	# 71



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 6.12 ug

RT: 1.57 min Scan# 78

Delta R.T. -0.00 min

Lab File: C3140.D

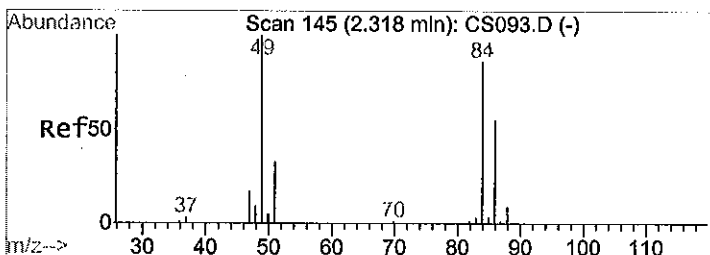
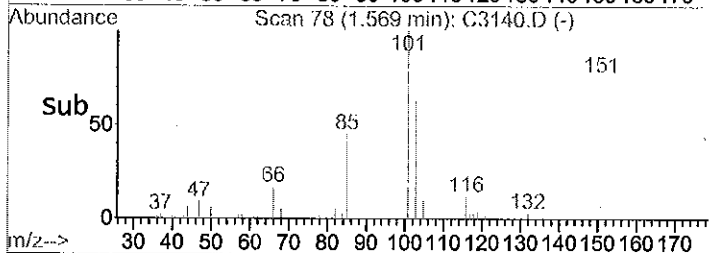
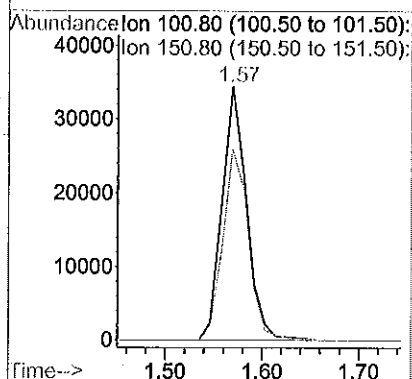
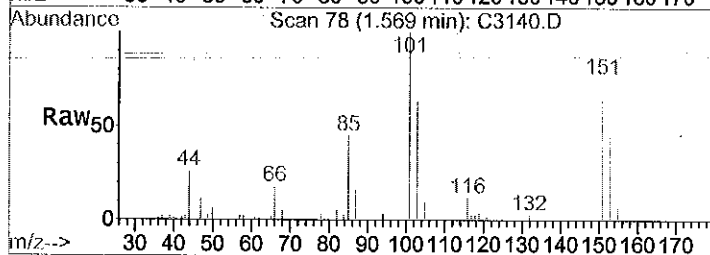
Acq: 17 Aug 2009 8:47 pm

Tgt Ion: 101 Resp: 60298

Ion Ratio Lower Upper

101 100

151 78.7 42.5 63.7#



#16

Methylene Chloride

Concen: 11.01 ug

RT: 1.90 min Scan# 107

Delta R.T. -0.00 min

Lab File: C3140.D

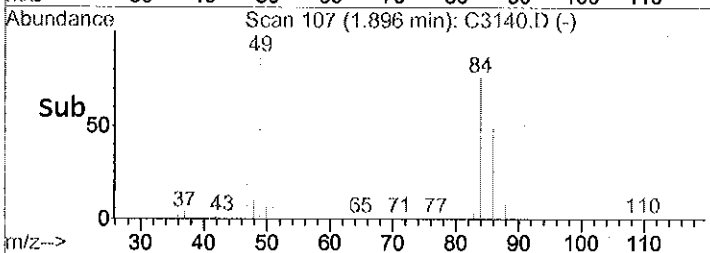
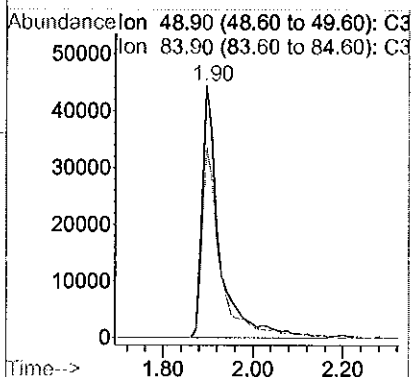
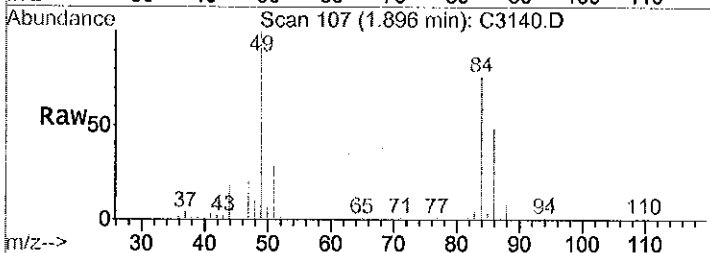
Acq: 17 Aug 2009 8:47 pm

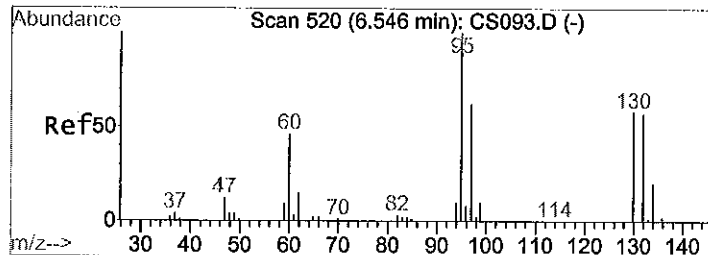
Tgt Ion: 49 Resp: 119851

Ion Ratio Lower Upper

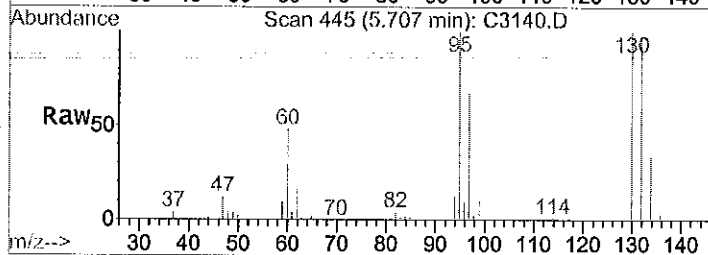
49 100

84 79.6 76.7 115.1

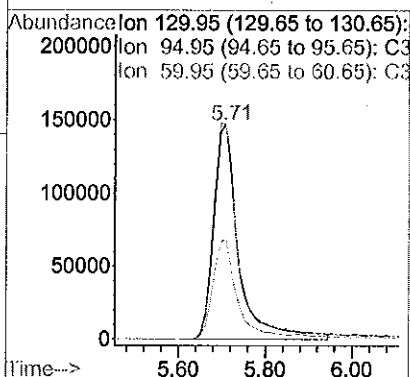
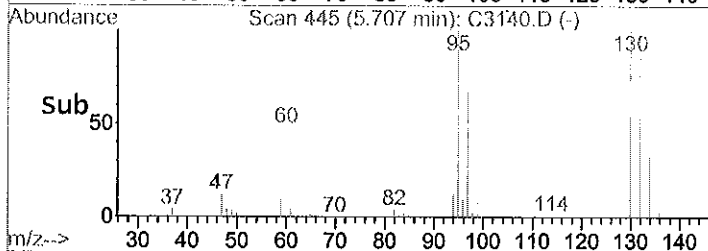




#43
 Trichloroethene
 Concen: 63.67 ug
 RT: 5.71 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: C3140.D
 Acq: 17 Aug 2009 8:47 pm



Tgt Ion:130 Resp: 583966
 Ion Ratio Lower Upper
 130 100
 95 101.4 112.9 169.3#
 60 45.2 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: _____ FGI-1 _____

Matrix (soil/water): WATER Lab Sample ID: 090813037-005A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3143.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	11	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	7.4		
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	130		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: _____ FGI-1 _____

Matrix (soil/water): WATER Lab Sample ID: 090813037-005A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3143.D

Level (low/med): _____ Date Received: 8/13/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

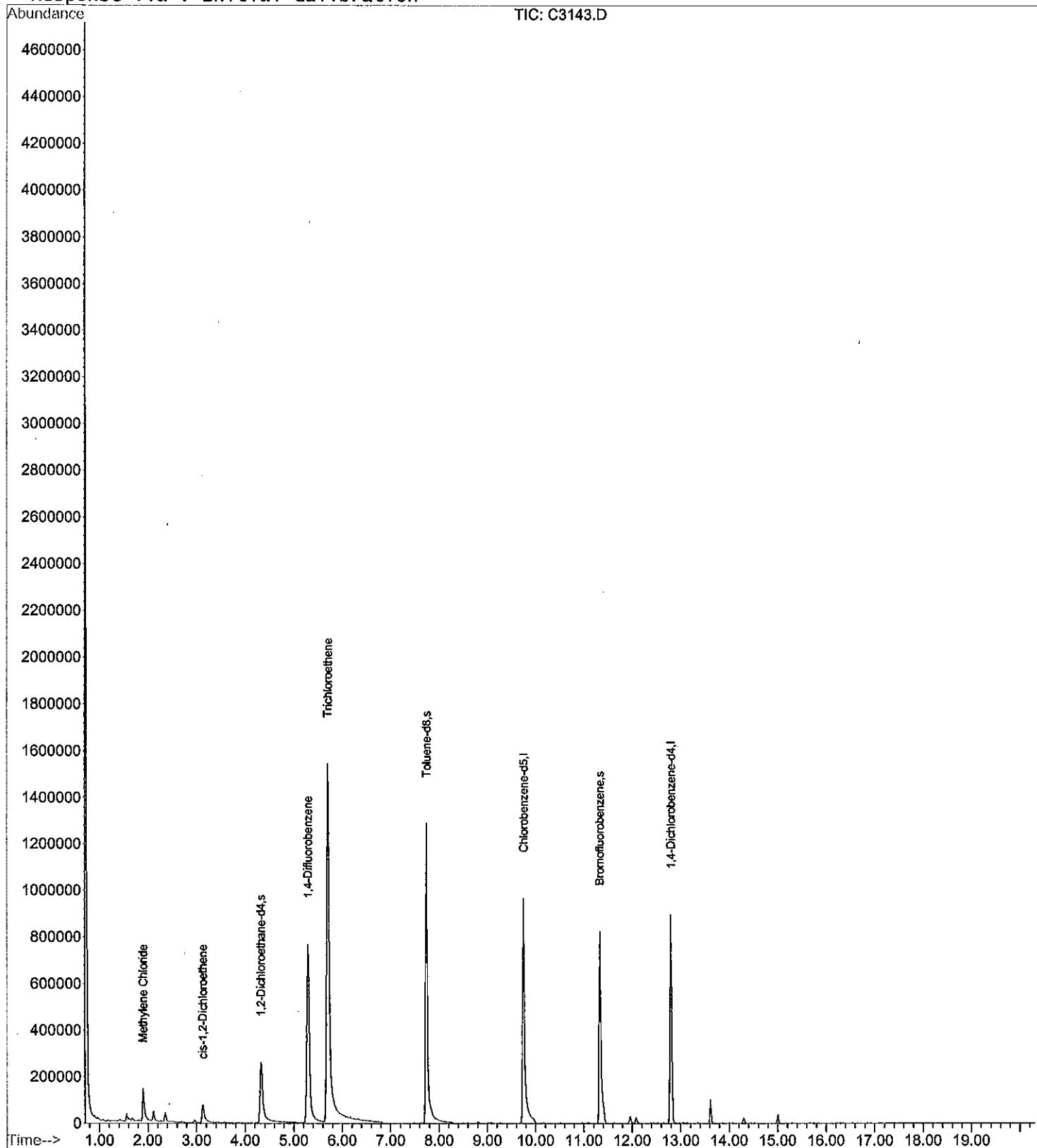
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3143.D
Acq On : 17 Aug 2009 10:12 pm
Sample : 090813037-005A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:59 2009

vial: 23
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090817\C3143.D

Vial: 23

Acq On : 17 Aug 2009 10:12 pm

Operator:

Sample : 090813037-005A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 18 9:59 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

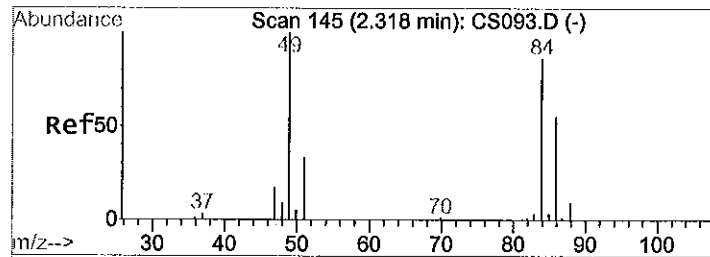
Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1321180	50.00	ug	-0.02
36) Chlorobenzene-d5	9.75	82	565941	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.79	150	578935	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.33	65	409591m	56.27	ug	-0.02
57) Toluene-d8	7.74	98	1431852	52.17	ug	0.00
72) Bromofluorobenzene	11.33	95	496830	55.69	ug	-0.02
Target Compounds						Qvalue
16) Methylene Chloride	1.90	49	113957	10.98	ug	87
24) cis-1,2-Dichloroethene	3.13	61	99630	7.37	ug	82
43) Trichloroethene	5.70	130	1153652	132.08	ug	# 70

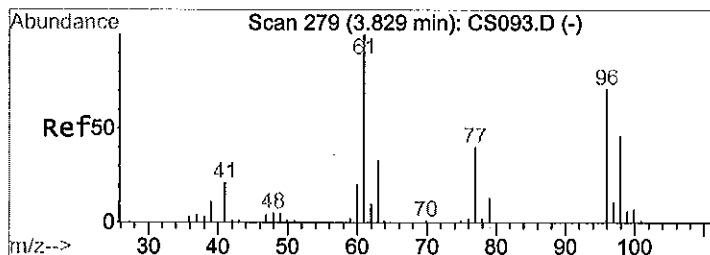
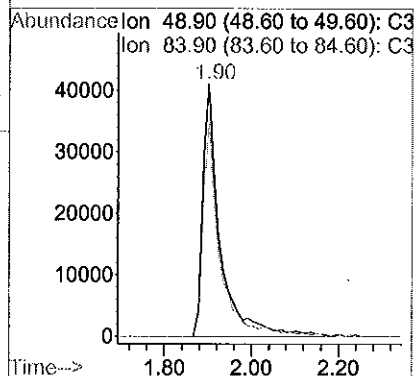
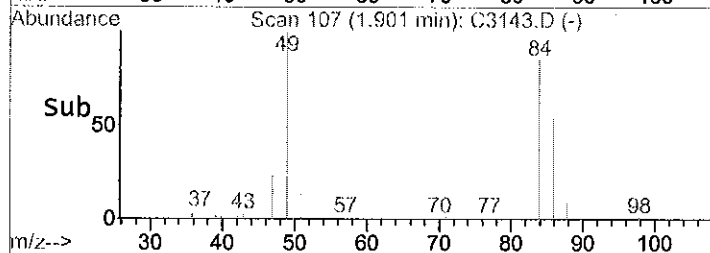
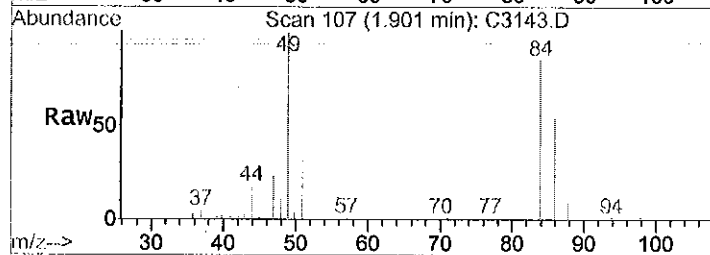
(#) = qualifier out of range (m) = manual integration

C3143.D NBL9.M Tue Sep 01 14:25:09 2009



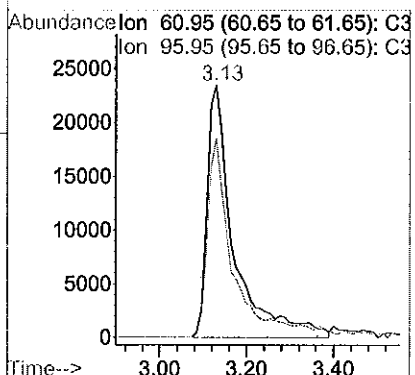
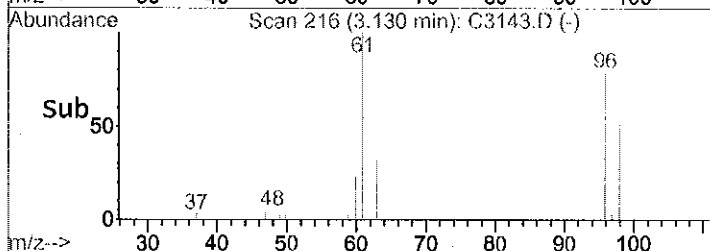
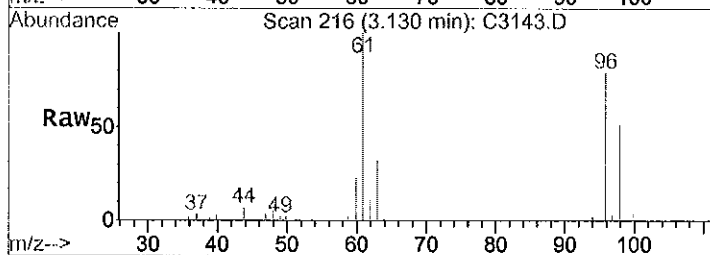
#16
Methylene Chloride
Concen: 10.98 ug
RT: 1.90 min Scan# 107
Delta R.T. 0.00 min
Lab File: C3143.D
Acq: 17 Aug 2009 10:12 pm

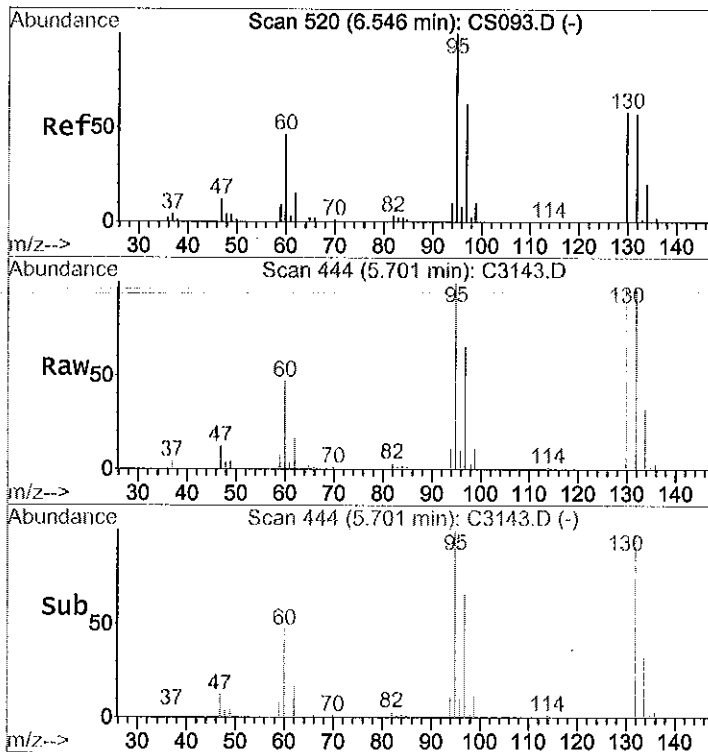
Tgt Ion: 49 Resp: 113957
Ion Ratio Lower Upper
49 100
84 83.0 76.7 115.1



#24
cis-1,2-Dichloroethene
Concen: 7.37 ug
RT: 3.13 min Scan# 216
Delta R.T. -0.01 min
Lab File: C3143.D
Acq: 17 Aug 2009 10:12 pm

Tgt Ion: 61 Resp: 99630
Ion Ratio Lower Upper
61 100
96 71.5 70.7 106.1





#43

Trichloroethene

Concen: 132.08 ug

RT: 5.70 min Scan# 444

Delta R.T. -0.02 min

Lab File: C3143.D

Acq: 17 Aug 2009 10:12 pm

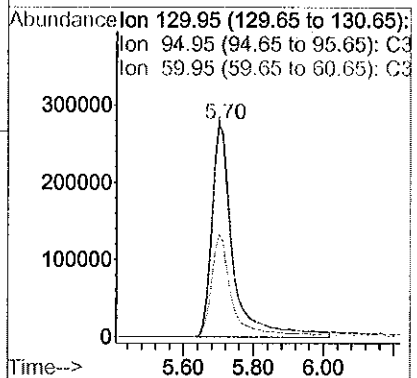
Tgt Ion:130 Resp: 1153652

Ion Ratio Lower Upper

130 100

95 98.4 112.9 169.3#

60 47.2 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3110.D

Level (low/med): Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-001A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3110.D

Level (low/med): Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

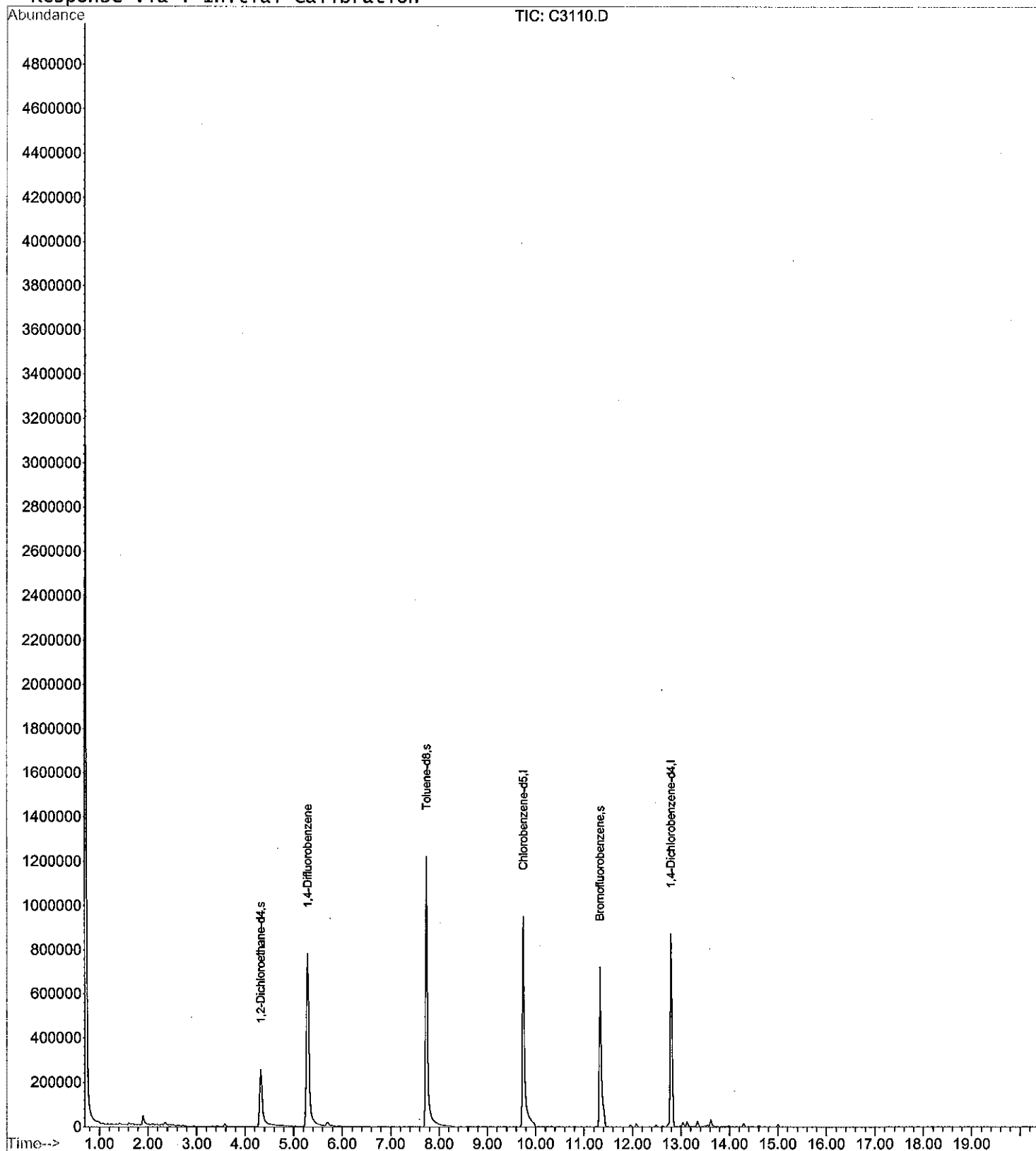
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\C3110.D
Acq On : 14 Aug 2009 3:55 pm
Sample : 090813001-001A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 17 13:01 2009

Vial: 14
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\C3110.D

Vial: 14

Acq On : 14 Aug 2009 3:55 pm

Operator:

Sample : 090813001-001A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 13:01 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1370728	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	574599	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	575803	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	423454	56.07	ug	-0.02
57) Toluene-d8	7.74	98	1402997	50.35	ug	-0.01
72) Bromofluorobenzene	11.32	95	461240	51.98	ug	-0.02

Target Compounds

Qvalue

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-15

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-002A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3111.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-15

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-002A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3111.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

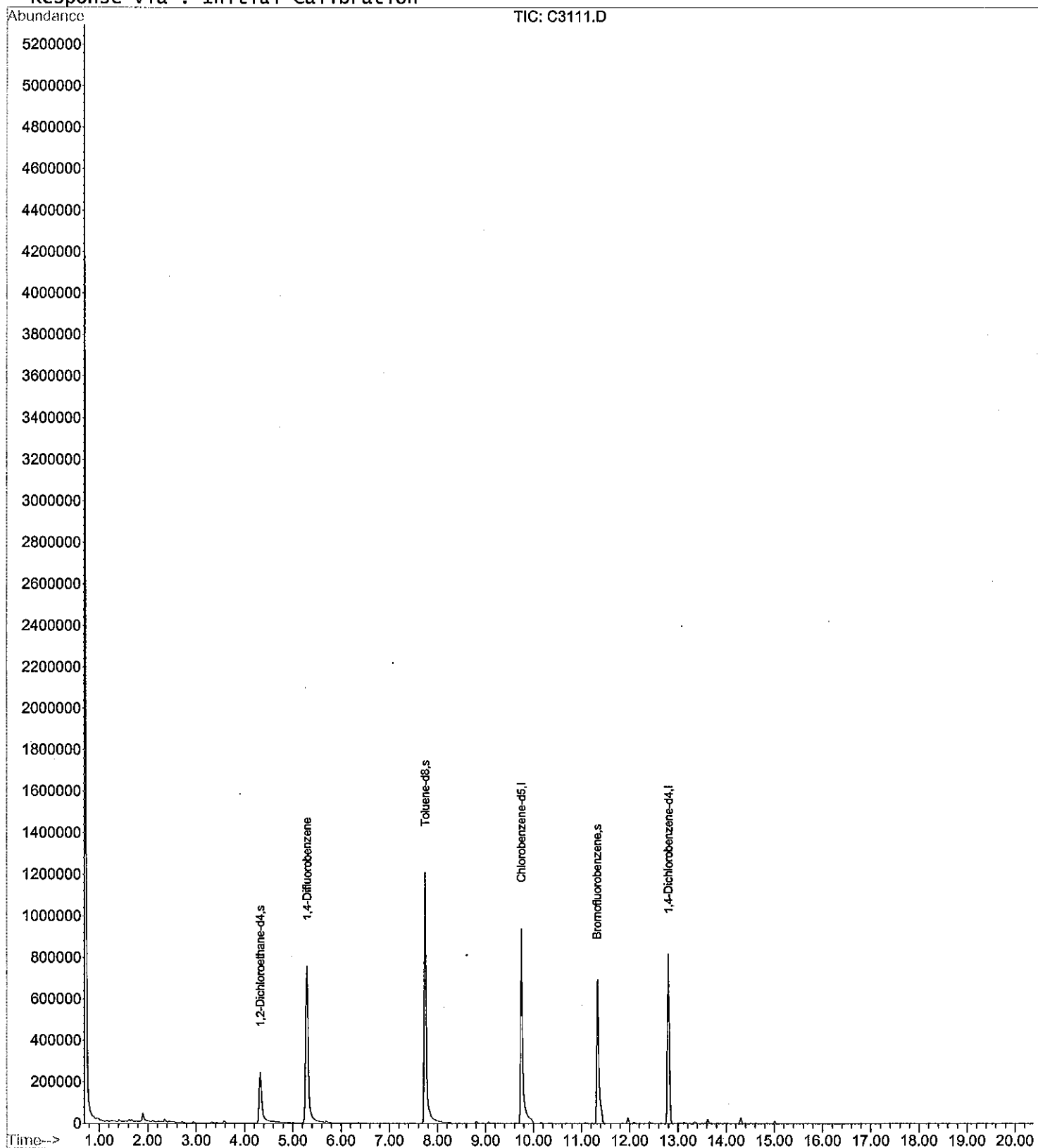
CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

Data File : C:\HPCHEM\1\DATA\090814\C3111.D
Acq On : 14 Aug 2009 4:23 pm
Sample : 090813001-002A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 17 13:02 2009

Vial: 15
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\C3111.D
Acq On : 14 Aug 2009 4:23 pm
Sample : 090813001-002A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 17 13:02 2009

Vial: 15
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METHOC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1323670	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	558172	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.80	150	558822	50.00	ug	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	393183	53.91	ug	-0.02
57) Toluene-d8	7.74	98	1353151	49.99	ug	-0.01
72) Bromofluorobenzene	11.32	95	450702	52.34	ug	-0.02
Target Compounds						Qvalue

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-18

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.: EN0905

SAS No.:

SDG No.:

FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813037-003A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3141.D

Level (low/med):

Date Received: 8/13/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	11	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	8.0		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-18

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.: EN0905

SAS No.:

SDG No.:

FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813037-003A

Sample wt/vol: 5.0 (g/mL) m1

Lab File ID: C3141.D

Level (low/med):

Date Received: 8/13/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624

ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

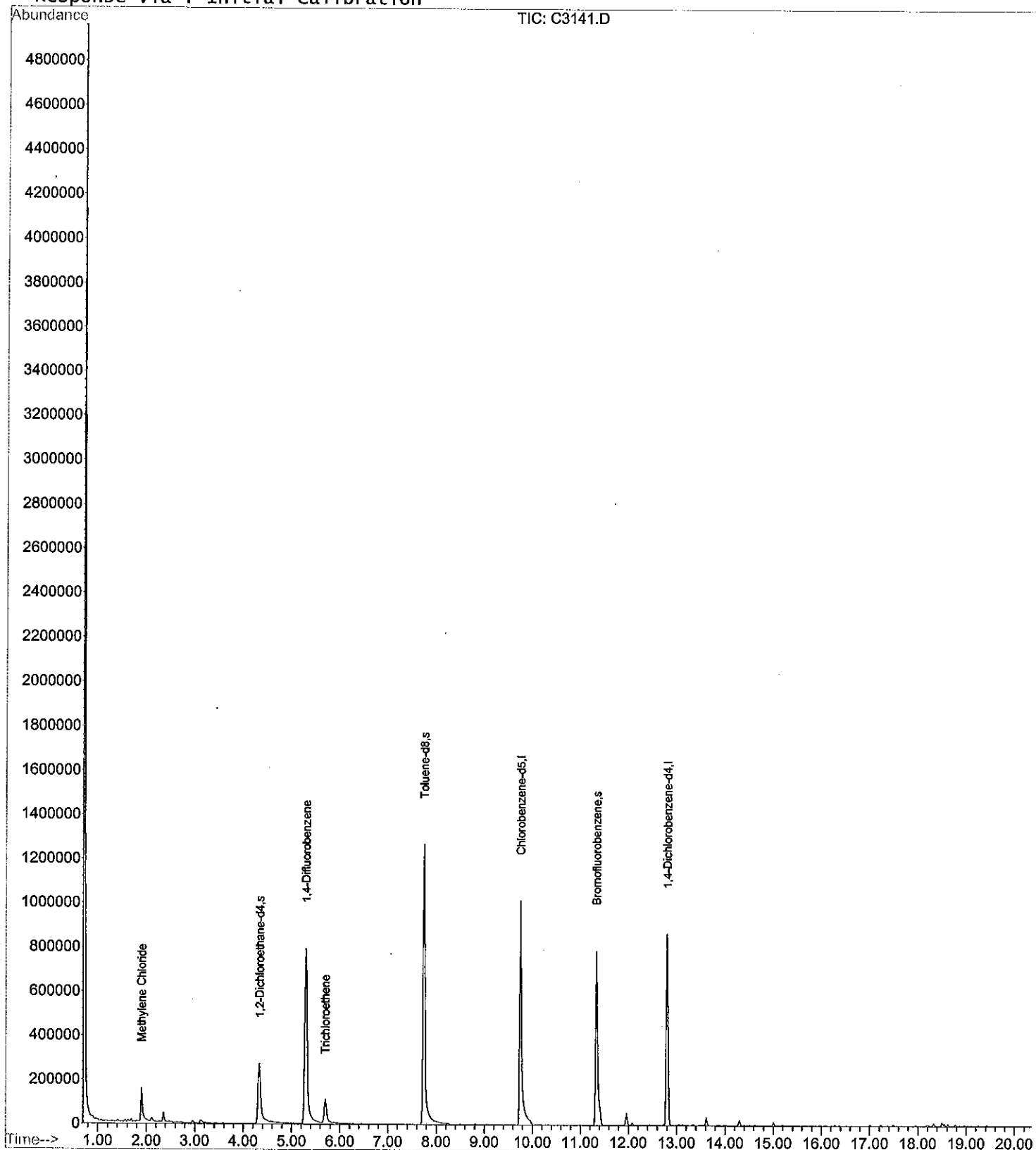
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3141.D
 Acq On : 17 Aug 2009 9:15 pm
 Sample : 090813037-003A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:57 2009

Vial: 21
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090817\C3141.D

Vial: 21

Acq On : 17 Aug 2009 9:15 pm

Operator:

Sample : 090813037-003A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 18 9:57 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

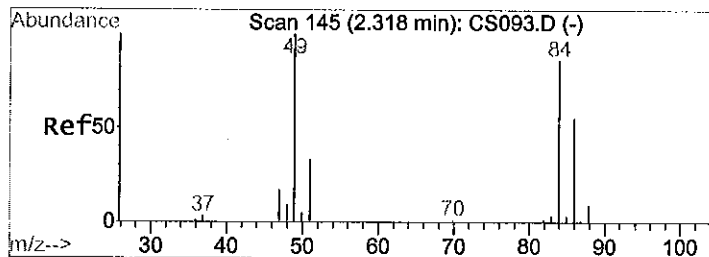
Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

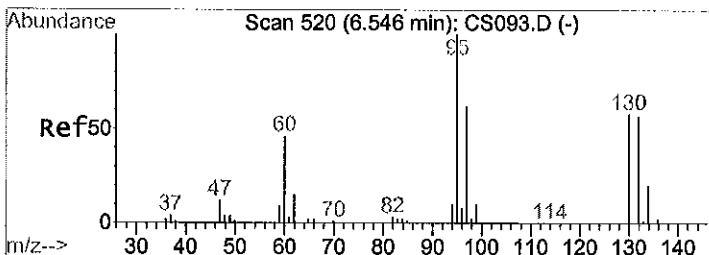
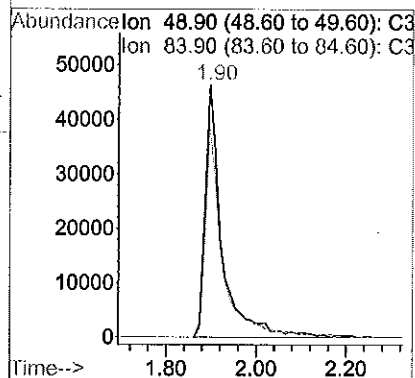
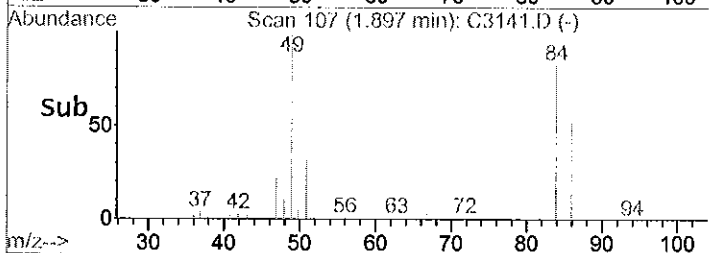
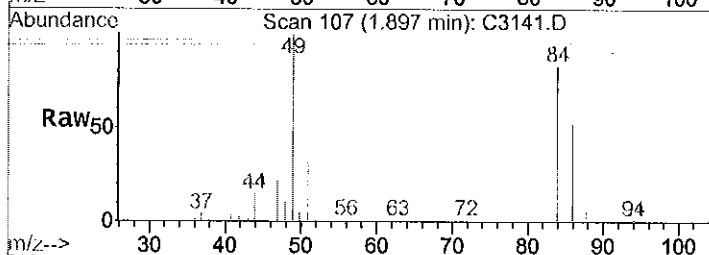
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1400434	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	589680	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	584795	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.33	65	433061m	56.13	ug	-0.01
57) Toluene-d8	7.74	98	1449117	50.68	ug	-0.01
72) Bromofluorobenzene	11.32	95	492333	54.64	ug	-0.02
Target Compounds						Qvalue
16) Methylene Chloride	1.90	49	118792	10.80	ug	89
43) Trichloroethene	5.70	130	72640	7.98	ug	# 74



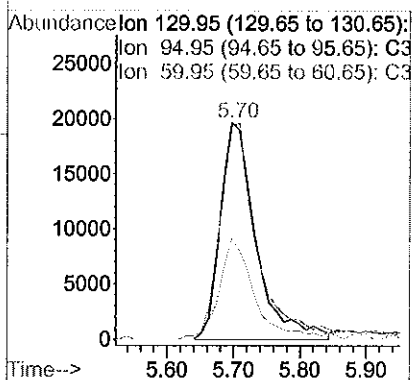
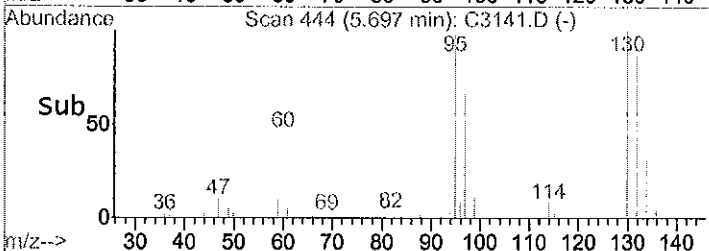
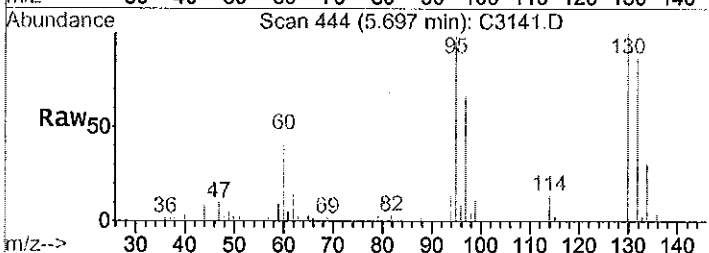
#16
Methylene chloride
Concen: 10.80 ug
RT: 1.90 min Scan# 107
Delta R.T. 0.00 min
Lab File: C3141.D
Acq: 17 Aug 2009 9:15 pm

Tgt Ion: 49 Resp: 118792
Ion Ratio Lower Upper
49 100
84 85.0 76.7 115.1



#43
Trichloroethene
Concen: 7.98 ug
RT: 5.70 min Scan# 444
Delta R.T. -0.02 min
Lab File: C3141.D
Acq: 17 Aug 2009 9:15 pm

Tgt Ion: 130 Resp: 72640
Ion Ratio Lower Upper
130 100
95 105.2 112.9 169.3#
60 45.6 48.4 72.6#



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-19

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-003A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3112.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	11		
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-19

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-003A

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3112.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

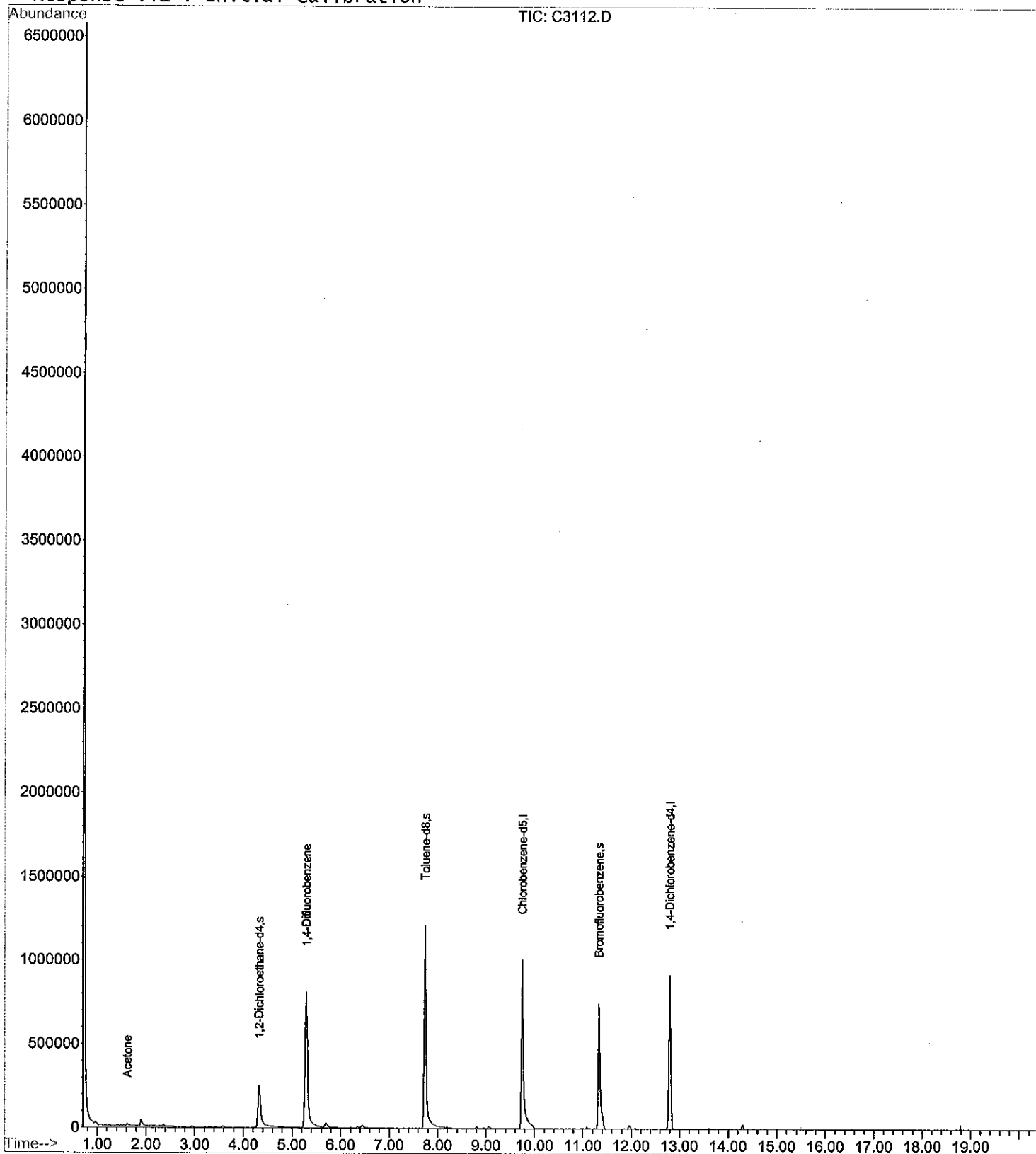
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\C3112.D
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 Sample : 090813001-003A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 13:02 2009

Vial: 16
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



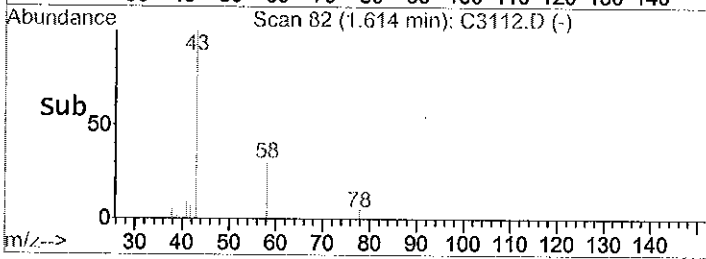
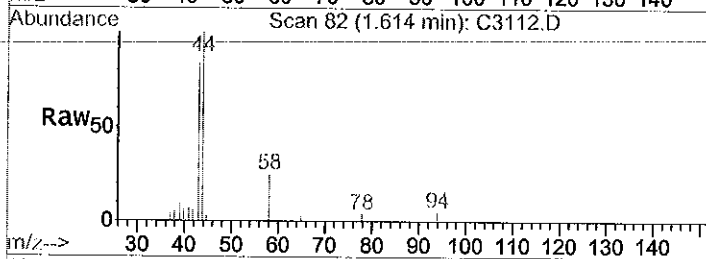
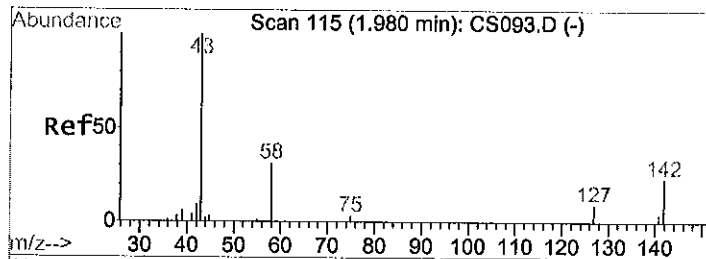
Data File : C:\HPCHEM\1\DATA\090814\C3112.D
Acq On : 14 Aug 2009 4:51 pm
Sample : 090813001-003A
Misc : SAMP EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 17 13:02 2009

Vial: 16
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METHOC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1395140	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	599324	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	587496	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	435690m	56.68	ug	-0.02
57) Toluene-d8	7.74	98	1380254	47.49	ug	-0.01
72) Bromofluorobenzene	11.32	95	458533	50.65	ug	-0.02
Target Compounds						Qvalue
13) Acetone	1.61	43	22347	10.92	ug	90



#13

Acetone

Concen: 10.92 ug

RT: 1.61 min Scan# 82

Delta R.T. -0.02 min

Lab File: C3112.D

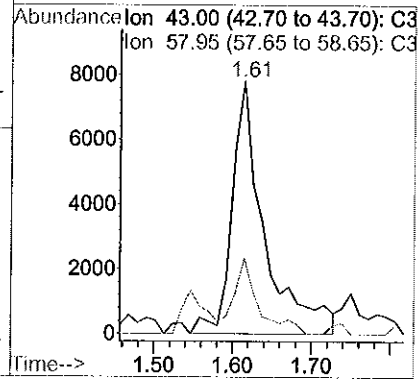
Acq: 14 Aug 2009 4:51 pm

Tgt Ion: 43 Resp: 22347

Ion Ratio Lower Upper

43 100

58 22.8 22.4 33.6



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-004A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3113.D

Level (low/med):

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-004A

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3113.D

Level (low/med): _____

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

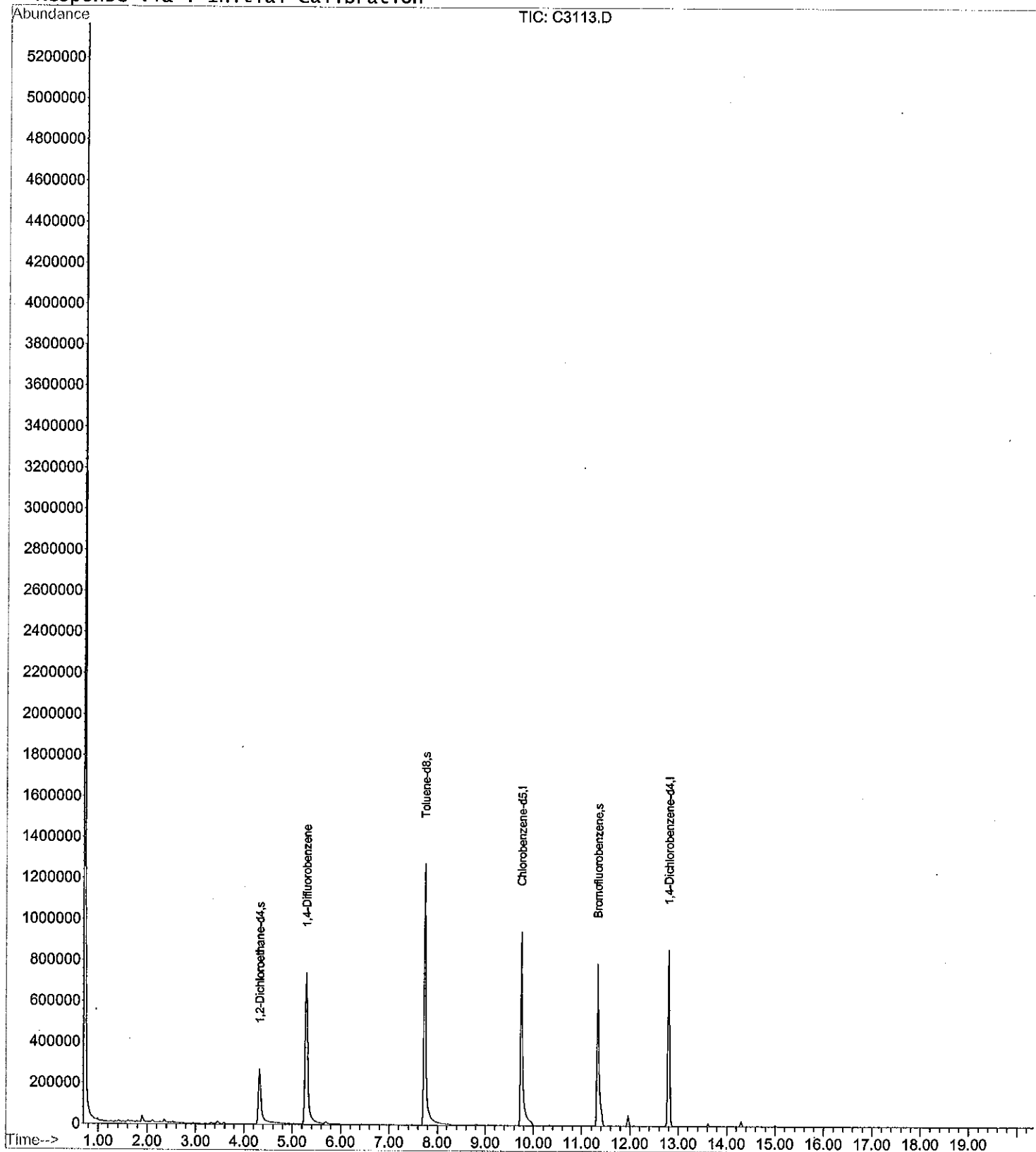
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\C3113.D
 Acq On : 14 Aug 2009 5:20 pm
 Sample : 090813001-004A
 Misc : SAMP EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 13:04 2009

Vial: 17
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\C3113.D

Vial: 17

Acq On : 14 Aug 2009 5:20 pm

Operator:

Sample : 090813001-004A

Inst : GCMS-C

Misc : SAMP EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 13:04 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1318057	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	559788	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	564966	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	406700m	56.00	ug	-0.02
57) Toluene-d8	7.74	98	1419614	52.29	ug	-0.01
72) Bromofluorobenzene	11.32	95	491929	56.51	ug	-0.02
Target Compounds						Qvalue

STANDARDS

DATA

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Instrument ID: MSVOAC Calibration Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Calibration Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

LAB FILE ID:		RRF5 = CS206.D		RRF10 = CS205.D			
RRF50 = CS204.D		RRF100 = CS203.D		RRF200 = CS202.D			
COMPOUND	RRF5	RRF10	RRF50	RRF100	RRF200	RRF	% RSD
Dichlorodifluoromethane	0.481	0.547	0.590	0.648	0.574	0.568	10.8
Chloromethane	0.529	0.573	0.595	0.562	0.529	0.558	5.1
Vinyl Chloride *	0.481	0.541	0.546	0.503	0.465	0.507	7.1
Bromomethane *	0.184	0.151	0.129	0.142	0.119	0.145	17.2
Chloroethane	0.158	0.162	0.084	0.069	0.067	0.108	44.3
Trichlorofluoromethane	0.512	0.532	0.541	0.529	0.257	0.474	25.7
1,1-Dichloroethene *	0.252	0.235	0.250	0.269	0.219	0.245	7.8
1,1,2-Trichloro-1,2,2-t	0.382	0.369	0.359	0.362	0.306	0.356	8.2
Carbon Disulfide	0.941	1.132	0.967	1.073	0.851	0.993	11.2
Acetone	0.086	0.079	0.067	0.068	0.066	0.073	12.4
Methyl Acetate	0.199	0.171	0.151	0.157	0.127	0.161	16.6
Methylene Chloride	0.455	0.417	0.386	0.387	0.318	0.393	12.8
trans-1,2-Dichloroethen	0.302	0.308	0.316	0.336	0.296	0.312	5.0
Mtbe	0.740	0.824	0.731	0.761	0.595	0.730	11.5
1,1-Dichloroethane *	0.542	0.567	0.574	0.569	0.455	0.541	9.2
cis-1,2-Dichloroethene	0.485	0.528	0.533	0.548	0.464	0.512	7.0
Bromochloromethane	0.228	0.211	0.195	0.190	0.149	0.195	15.3
Chloroform *	0.678	0.659	0.573	0.582	0.466	0.592	14.2
Cyclohexane	0.335	0.349	0.317	0.324	0.281	0.321	8.0
1,2-Dichloroethane *	0.342	0.332	0.309	0.402	0.345	0.346	9.9
2-Butanone	0.092	0.106	0.091	0.095	0.085	0.094	8.3
Methyl Cyclohexane	1.219	1.255	1.363	1.362	1.207	1.281	5.9
1,1,1-Trichloroethane *	1.365	1.427	1.405	1.453	1.290	1.388	4.6
Carbon tetrachloride *	1.119	1.249	1.274	1.342	1.204	1.238	6.7
Benzene *	2.762	2.850	2.698	2.734	2.393	2.687	6.5
Trichloroethene *	0.729	0.760	0.800	0.835	0.735	0.772	5.8
1,2-Dichloropropane	0.684	0.648	0.660	0.669	0.583	0.649	6.1
Bromodichloromethane *	0.928	0.944	1.071	1.068	0.964	0.995	6.9
cis-1,3-Dichloropropene*	0.954	1.006	1.190	1.169	1.021	1.068	9.8
trans-1,3-Dichloropropene*	0.849	0.936	0.996	1.012	0.858	0.930	8.1
1,1,2-Trichloroethane *	0.433	0.508	0.459	0.400	0.342	0.428	14.6
Dibromochloromethane *	0.642	0.715	0.750	0.746	0.621	0.695	8.6
1,2-Dibromoethane	0.548	0.635	0.590	0.570	0.469	0.562	10.9
Bromoform *	0.402	0.457	0.408	0.420	0.329	0.403	11.6
4-Methyl-2-Pentanone	0.525	0.532	0.488	0.466	0.348	0.472	15.8
Toluene *	2.851	3.023	2.668	2.628	2.250	2.684	10.8
Tetrachloroethene *	0.625	0.671	0.631	0.610	0.527	0.613	8.6

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Instrument ID: MSVOAC Calibration Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Calibration Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

LAB FILE ID:							
RRF50 = CS204.D		RRF5 = CS206.D		RRF10 = CS205.D			
		RRF100 = CS203.D		RRF200 = CS202.D			
COMPOUND		RRF5	RRF10	RRF50	RRF100	RRF200	% RSD
2-Hexanone		0.359	0.438	0.364	0.363	0.278	15.7
Chlorobenzene	*	1.562	1.748	1.704	1.743	1.468	7.6
Ethylbenzene	*	0.875	0.967	0.836	0.854	0.741	9.5
m,p-Xylene	*	2.550	2.639	2.179	2.199	1.813	14.5
o-Xylene	*	1.118	1.218	0.992	0.999	0.827	14.3
Styrene	*	1.859	1.258	1.308	1.498	1.248	18.0
Isopropylbenzene		3.258	3.319	2.680	2.661	2.208	16.4
1,1,2,2-Tetrachloroetha	*	0.579	0.482	0.505	0.484	0.341	18.0
1,3-Dichlorobenzene	*	1.176	1.191	0.970	0.914	0.719	19.8
1,4-Dichlorobenzene	*	1.094	1.080	0.933	0.891	0.678	18.1
1,2-Dichlorobenzene	*	0.853	0.988	0.889	0.823	0.583	18.1
1,2-Dibromo-3-chloropro		0.048	0.061	0.075	0.065	0.030	31.5
1,2,4-Trichlorobenzene	*	0.217	0.195	0.236	0.197	0.116	23.8
1,2-Dichloroethane-d4		0.289	0.305	0.247	0.318	0.219	15.1
Toluene-d8		2.724	2.922	2.267	2.170	2.040	15.6
Bromofluorobenzene	*	0.872	0.916	0.728	0.700	0.637	15.4

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

Data File : C:\HPCHEM\1\DATA\090811\CS206.D

Acq On : 11 Aug 2009 12:23 pm

Sample : VSTD005

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 14:29 2009

Vial: 6

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1342001	50.00	ug	-0.02
36) Chlorobenzene-d5	9.76	82	581292	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.80	150	612339	50.00	ug	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.35	65	38775	4.83	ug	0.00
57) Toluene-d8	7.75	98	158337	5.45	ug	0.00
72) Bromofluorobenzene	11.34	95	53399m	5.19	ug	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	qvalue
2) Dichlorodifluoromethane	0.77	85	64502	5.24	ug	96
3) Chloromethane	0.86	50	71041	6.13	ug	97
4) Vinyl Chloride	0.91	62	64564	5.69	ug	98
5) Bromomethane	1.06	96	24704m	5.19	ug	
6) Chloroethane	1.12	64	16009m	6.62	ug	
7) Trichlorofluoromethane	1.26	101	68738m	5.57	ug	
8) Acrolein	1.51	56	17481	20.27	ug	93
9) 1,1-Dichloroethene	1.56	96	33790	5.22	ug	84
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	51313	4.98	ug	# 71
11) Iodomethane	1.65	142	67227	6.45	ug	97
12) Carbon Disulfide	1.68	76	126269	6.74	ug	# 88
13) Acetone	1.62	43	23195m	11.92	ug	
14) Methyl Acetate	1.85	43	26736	6.11	ug	# 84
15) Allyl Chloride	1.81	41	76488	4.84	ug	# 90
16) Methylene Chloride	1.90	49	61102m	5.81	ug	
17) trans-1,2-Dichloroethene	2.11	96	40540	4.78	ug	96
18) Acrylonitrile	2.11	53	43853	20.43	ug	93
19) Mtbe	2.14	73	198629	10.53	ug	94
21) 1,1-Dichloroethane	2.48	63	72802	5.03	ug	98
22) Chloroprene	2.57	53	58178	4.66	ug	# 84
23) Vinyl Acetate	2.60	43	60418	6.30	ug	# 94
24) cis-1,2-Dichloroethene	3.14	61	65046	4.68	ug	# 75
25) 2,2-Dichloropropane	3.10	77	77073	4.51	ug	95
26) Acetonitrile	1.81	41	76488	48.80	ug	# 100
27) Propionitrile	3.29	54	39056	54.59	ug	100
28) Bromochloromethane	3.44	49	30625	5.93	ug	96
29) Methacrylonitrile	3.47	67	102842	51.75	ug	# 75
30) Chloroform	3.59	83	91049	5.21	ug	99
31) 1,2-Dichloro-1-propene	4.05	75	60176	5.05	ug	93
33) 1,2-Dichloroethane	4.48	62	45909	4.72	ug	# 82
34) 2-Butanone	3.21	43	24691	11.18	ug	95
35) 1,4-Dioxane	6.45	88	7358	103.72	ug	97
37) 1,1,1-Trichloroethane	3.78	97	79359	4.56	ug	98
38) Cyclohexane	3.83	84	44944	4.87	ug	91
39) Carbon tetrachloride	4.03	117	65061	4.31	ug	93
40) Benzene	4.39	78	160579	5.01	ug	# 66
41) Isobutanol	4.67	43	15731	95.74	ug	# 89
43) Trichloroethene	5.72	130	42348	4.62	ug	# 72
44) Methyl cyclohexane	5.99	83	70863	4.83	ug	92
45) 1,2-Dichloropropane	6.10	63	39770	5.37	ug	# 83
46) Dibromomethane	6.31	174	21046	4.15	ug	91
47) Methyl Methacrylate	6.53	69	20769	4.88	ug	# 73
48) Bromodichloromethane	6.67	83	53921	4.60	ug	96
49) 2-Chloroethyl vinyl ether	7.28	63	10511	3.22	ug	# 97
50) cis-1,3-Dichloropropene	7.39	75	55456	4.38	ug	# 90
51) trans-1,3-Dichloropropene	8.27	75	49359	4.44	ug	# 83

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

CS206.D NBL9.M Tue Aug 11 16:00:50 2009

Data File : C:\HPCHEM\1\DATA\090811\CS206.D

Acq On : 11 Aug 2009 12:23 pm

Sample : VSTD005

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 14:29 2009

Vial: 6

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METHOC

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	41068	5.07	ug	# 70
53) 1,1,2-Trichloroethane	8.51	83	25183	5.04	ug	97
54) Dibromochloromethane	9.00	129	37345	4.54	ug	96
55) 1,2-Dibromoethane	9.08	107	31830	4.90	ug	97
56) 4-Methyl-2-Pentanone	7.73	43	60979	12.69	ug	# 1
58) Toluene	7.84	91	165748	5.11	ug	# 94
59) Tetrachloroethene	8.61	164	36346	4.69	ug	87
60) 1,3-Dichloropropane	8.71	76	50181	5.05	ug	88
61) 2-Hexanone	8.96	43	41681	12.20	ug	# 85
62) Chlorobenzene	9.79	112	90790	4.51	ug	# 83
63) Ethylbenzene	9.99	106	50842	5.06	ug	# 100
64) m,p-xylene	10.16	91	296442	10.65	ug	89
65) o-xylene	10.66	106	64969	5.21	ug	82
66) Styrene	10.70	104	108089m	7.17	ug	
67) Isopropylbenzene	11.18	105	189356	5.51	ug	95
68) 1,1,2,2-Tetrachloroethane	11.63	83	33680m	5.90	ug	
70) Bromoform	10.89	173	23386	4.75	ug	88
71) trans-1,4-Dichloro-2-buten	11.30	88	9490	4.28	ug	# 1
73) Bromobenzene	11.47	77	70326	5.68	ug	# 80
74) 1,2,3-Trichloropropane	11.62	75	23720	5.40	ug	# 83
75) 1,1,1,2-Tetrachloroethane	9.94	133	32741	4.29	ug	# 48
76) n-Propylbenzene	11.71	91	187140	5.50	ug	99
77) 2-Chlorotoluene	11.75	91	159926m	5.72	ug	
78) 4-Chlorotoluene	11.91	91	149189	5.78	ug	98
79) n-Decane	12.09	57	61090	5.56	ug	97
80) 1,3,5-Trimethylbenzene	11.96	105	132020m	5.23	ug	
81) tert-Butylbenzene	12.35	119	156334	5.63	ug	94
82) 1,2,4-Trimethylbenzene	12.42	105	125968m	5.19	ug	
83) sec-Butylbenzene	12.63	105	181474	5.65	ug	96
84) 1,3-Dichlorobenzene	12.70	146	72017m	5.77	ug	
85) 1,4-Dichlorobenzene	12.84	146	66971m	5.74	ug	
86) 4-Isopropyltoluene	12.85	119	131053	5.72	ug	94
87) 1,2-Dichlorobenzene	13.28	146	58105m	6.14	ug	
88) n-Butylbenzene	13.37	91	146378m	7.25	ug	
89) 1,2-Dibromo-3-chloropropan	14.28	157	3306m	5.43	ug	
90) 1,2,4-Trichlorobenzene	15.31	180	14576m	8.52	ug	
91) Hexachlorobutadiene	15.56	225	17837m	8.35	ug	
92) Naphthalene	15.59	128	21969m	7.18	ug	
93) 1,2,3-Trichlorobenzene	15.89	180	6886m	5.15	ug	

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

CS206.D NBL9.M Tue Aug 11 16:00:52 2009

Data File : C:\HPCHEM\1\DATA\090811\CS205.D

Acq On : 11 Aug 2009 11:55 am

Sample : VSTD010

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 14:44 2009

Vial: 5

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1351919	50.00	ug	-0.02
36) Chlorobenzene-d5	9.76	82	571088	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.80	150	613189	50.00	ug	-0.01

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.33	65	82392	10.19	ug	-0.02
57) Toluene-d8	7.75	98	333775	11.70	ug	-0.01
72) Bromofluorobenzene	11.33	95	112327m	10.90	ug	-0.01

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.77	85	148003	11.94	ug	98
3) Chloromethane	0.87	50	154991	13.27	ug	100
4) Vinyl Chloride	0.90	62	146198	12.78	ug	95
5) Bromomethane	1.06	96	40702m	8.49	ug	
6) Chloroethane	1.12	64	29111m	11.95	ug	
7) Trichlorofluoromethane	1.26	101	143864m	11.58	ug	
8) Acrolein	1.51	56	36714	42.27	ug	93
9) 1,1-Dichloroethene	1.56	96	63446	9.73	ug	# 64
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	99809	9.61	ug	# 68
11) Iodomethane	1.65	142	156754	14.92	ug	95
12) Carbon Disulfide	1.68	76	306028	16.21	ug	97
13) Acetone	1.61	43	42972m	21.91	ug	
14) Methyl Acetate	1.85	43	46253m	10.49	ug	
15) Allyl Chloride	1.81	41	165098	10.37	ug	99
16) Methylene Chloride	1.91	49	112632m	10.64	ug	
17) trans-1,2-Dichloroethene	2.12	96	83309	9.75	ug	97
18) Acrylonitrile	2.11	53	97937	45.28	ug	98
19) Mtbe	2.13	73	445544	23.44	ug	92
21) 1,1-Dichloroethane	2.49	63	153256	10.51	ug	100
22) Chloroprene	2.57	53	123568	9.82	ug	91
23) Vinyl Acetate	2.60	43	139073	14.39	ug	98
24) cis-1,2-Dichloroethene	3.14	61	142831	10.19	ug	# 76
25) 2,2-Dichloropropane	3.10	77	173651	10.09	ug	95
26) Acetonitrile	1.81	41	165098	104.56	ug	# 100
27) Propionitrile	3.28	54	86094	119.44	ug	100
28) Bromochloromethane	3.43	49	57075	10.98	ug	96
29) Methacrylonitrile	3.46	67	253095	126.43	ug	88
30) Chloroform	3.60	83	178123	10.11	ug	98
31) 1,2-Dichloro-1-propene	4.06	75	126678	10.56	ug	91
33) 1,2-Dichloroethane	4.48	62	89679	9.16	ug	# 86
34) 2-Butanone	3.20	43	57328	25.76	ug	96
35) 1,4-Dioxane	6.46	88	17143	239.88	ug	# 75
37) 1,1,1-Trichloroethane	3.78	97	162978	9.54	ug	95
38) Cyclohexane	3.82	84	94475	10.41	ug	85
39) Carbon tetrachloride	4.03	117	142679	9.63	ug	96
40) Benzene	4.40	78	325523	10.34	ug	# 74
41) Isobutanol	4.69	43	45545m	282.15	ug	
43) Trichloroethene	5.72	130	86797	9.63	ug	# 73
44) Methyl cyclohexane	5.99	83	143378	9.95	ug	95
45) 1,2-Dichloropropane	6.10	63	74037	10.18	ug	# 70
46) Dibromomethane	6.30	174	52374	10.50	ug	95
47) Methyl Methacrylate	6.54	69	51518	12.32	ug	# 83
48) Bromodichloromethane	6.67	83	107803	9.36	ug	# 90
49) 2-Chloroethyl vinyl ether	7.27	63	23533	7.33	ug	89
50) cis-1,3-Dichloropropene	7.40	75	114949	9.25	ug	96
51) trans-1,3-Dichloropropene	8.28	75	106879	9.79	ug	90

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

CS205.D NBL9.M Tue Aug 11 16:01:03 2009

Data File : C:\HPCHEM\1\DATA\090811\CS205.D

Acq On : 11 Aug 2009 11:55 am

Sample : VSTD010

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 14:44 2009

Vial: 5

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	105113	13.20	ug	# 78
53) 1,1,2-Trichloroethane	8.50	83	58005	11.83	ug	97
54) Dibromochloromethane	9.01	129	81651	10.11	ug	98
55) 1,2-Dibromoethane	9.09	107	72561	11.37	ug	95
56) 4-Methyl-2-Pentanone	7.73	43	121603m	25.75	ug	
58) Toluene	7.84	91	345275	10.83	ug	# 93
59) Tetrachloroethene	8.61	164	76619	10.06	ug	87
60) 1,3-Dichloropropane	8.71	76	113615	11.64	ug	93
61) 2-Hexanone	8.95	43	99957	29.77	ug	# 83
62) Chlorobenzene	9.79	112	199618	10.09	ug	95
63) Ethylbenzene	9.99	106	110416	11.19	ug	# 100
64) m,p-Xylene	10.16	91	602777	22.03	ug	91
65) o-Xylene	10.67	106	139150	11.36	ug	87
66) Styrene	10.70	104	143653m	9.70	ug	
67) Isopropylbenzene	11.18	105	379066	11.23	ug	95
68) 1,1,2,2-Tetrachloroethane	11.63	83	55076m	9.82	ug	
70) Bromoform	10.88	173	52167	10.57	ug	95
71) trans-1,4-Dichloro-2-buten	11.31	88	27866	12.55	ug	# 1
73) Bromobenzene	11.47	77	146582	11.82	ug	# 76
74) 1,2,3-Trichloropropane	11.62	75	55832	12.70	ug	# 89
75) 1,1,1,2-Tetrachloroethane	9.95	133	72843	9.53	ug	# 34
76) n-Propylbenzene	11.71	91	430513	12.63	ug	97
77) 2-Chlorotoluene	11.75	91	323858m	11.58	ug	
78) 4-Chlorotoluene	11.91	91	304561	11.77	ug	98
79) n-Decane	12.09	57	135990	12.37	ug	98
80) 1,3,5-Trimethylbenzene	11.97	105	289148	11.43	ug	89
81) tert-Butylbenzene	12.35	119	323159	11.62	ug	# 93
82) 1,2,4-Trimethylbenzene	12.42	105	270060m	11.11	ug	
83) sec-Butylbenzene	12.63	105	371541m	11.56	ug	
84) 1,3-Dichlorobenzene	12.71	146	146047m	11.69	ug	
85) 1,4-Dichlorobenzene	12.83	146	132399m	11.33	ug	
86) 4-Isopropyltoluene	12.84	119	264142	11.51	ug	95
87) 1,2-Dichlorobenzene	13.27	146	121114m	12.79	ug	
88) n-Butylbenzene	13.36	91	296348	14.66	ug	94
89) 1,2-Dibromo-3-chloropropan	14.28	157	8516m	13.97	ug	
90) 1,2,4-Trichlorobenzene	15.30	180	27363m	15.97	ug	
91) Hexachlorobutadiene	15.57	225	40890m	19.11	ug	
92) Naphthalene	15.58	128	28437m	9.28	ug	
93) 1,2,3-Trichlorobenzene	15.89	180	14454m	10.80	ug	

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

CS205.D NBL9.M Tue Aug 11 16:01:04 2009

Data File : C:\HPCHEM\1\DATA\090811\CS204.D

Acq On : 11 Aug 2009 11:26 am

Sample : VSTD050

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 13:52 2009

Vial: 4

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial calibration

DataAcq Meth : METH0C

Internal standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.31	114	1386712	50.00	ug	-0.01
36) Chlorobenzene-d5	9.75	82	582277	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.80	150	589626	50.00	ug	-0.01

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.34	65	342129	41.24	ug	-0.01
57) Toluene-d8	7.75	98	1320153	45.39	ug	-0.01
72) Bromofluorobenzene	11.33	95	429113	43.32	ug	-0.01

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.77	85	818186	64.38	ug	90
3) Chloromethane	0.87	50	824691	68.82	ug	99
4) Vinyl chloride	0.90	62	757195	64.53	ug	97
5) Bromomethane	1.06	96	178653	36.34	ug	90
6) Chloroethane	1.12	64	117072m	46.84	ug	
7) Trichlorofluoromethane	1.25	101	750372	58.86	ug	97
8) Acrolein	1.51	56	177962	199.74	ug	94
9) 1,1-Dichloroethene	1.56	96	346040	51.71	ug	79
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	498019	46.75	ug	# 65
11) Iodomethane	1.65	142	720310	66.86	ug	90
12) Carbon Disulfide	1.68	76	1341267	69.26	ug	92
13) Acetone	1.62	43	184538	91.74	ug	93
14) Methyl Acetate	1.85	43	208899	46.18	ug	100
15) Allyl chloride	1.82	41	782382	47.93	ug	# 87
16) Methylene chloride	1.91	49	535016	49.27	ug	89
17) trans-1,2-Dichloroethene	2.11	96	438835	50.07	ug	91
18) Acrylonitrile	2.12	53	450408	203.03	ug	92
19) Mtbe	2.14	73	2026620	103.93	ug	91
21) 1,1-Dichloroethane	2.49	63	795430	53.19	ug	99
22) Chloroprene	2.57	53	640198	49.62	ug	# 86
23) Vinyl Acetate	2.59	43	554559	55.93	ug	100
24) cis-1,2-Dichloroethene	3.14	61	739619	51.46	ug	# 68
25) 2,2-Dichloropropane	3.10	77	882337	50.00	ug	99
26) Acetonitrile	1.82	41	782382	483.06	ug	# 100
27) Propionitrile	3.29	54	411194	556.16	ug	100
28) Bromochloromethane	3.44	49	270458	50.71	ug	96
29) Methacrylonitrile	3.47	67	990666	482.46	ug	86
30) Chloroform	3.60	83	794172	43.95	ug	99
31) 1,2-Dichloro-1-propene	4.05	75	595692	48.43	ug	89
33) 1,2-Dichloroethane	4.48	62	427870	42.60	ug	# 86
34) 2-Butanone	3.21	43	253246	110.95	ug	100
35) 1,4-Dioxane	6.46	88	85938	1172.32	ug	93
37) 1,1,1-Trichloroethane	3.78	97	818186	46.96	ug	97
38) Cyclohexane	3.82	84	439100	47.47	ug	85
39) Carbon tetrachloride	4.03	117	741864	49.10	ug	97
40) Benzene	4.39	78	1571012	48.95	ug	# 69
41) Isobutanol	4.74	43	189864	1153.58	ug	# 91
43) Trichloroethene	5.72	130	465943	50.72	ug	# 71
44) Methyl cyclohexane	5.99	83	793416	54.02	ug	90
45) 1,2-Dichloropropane	6.10	63	384032	51.81	ug	# 71
46) Dibromomethane	6.32	174	290136	57.07	ug	96
47) Methyl Methacrylate	6.54	69	223044	52.30	ug	89
48) Bromodichloromethane	6.67	83	623570	53.11	ug	96
49) 2-Chloroethyl vinyl ether	7.27	63	128081	39.14	ug	# 81
50) cis-1,3-Dichloropropene	7.40	75	693022	54.67	ug	98
51) trans-1,3-Dichloropropene	8.28	75	580128	52.11	ug	# 83

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

CS204.D NBL9.M Tue Aug 11 16:01:16 2009

Data File : C:\HPCHEM\1\DATA\090811\CS204.D

Acq On : 11 Aug 2009 11:26 am

Sample : VSTD050

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 13:52 2009

Vial: 4

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	408180	50.29	ug	# 69
53) 1,1,2-Trichloroethane	8.50	83	267528	53.50	ug	97
54) Dibromochloromethane	9.01	129	436911	53.07	ug	99
55) 1,2-Dibromoethane	9.09	107	343600	52.78	ug	99
56) 4-Methyl-2-Pentanone	7.73	43	568143	118.02	ug	# 1
58) Toluene	7.85	91	1553523	47.81	ug	95
59) Tetrachloroethene	8.60	164	367264	47.30	ug	83
60) 1,3-Dichloropropane	8.71	76	524183	52.69	ug	# 84
61) 2-Hexanone	8.95	43	423510	123.71	ug	# 86
62) Chlorobenzene	9.79	112	992060	49.18	ug	98
63) Ethylbenzene	9.99	106	486924	48.38	ug	# 100
64) m,p-Xylene	10.16	91	2537665	90.98	ug	91
65) o-Xylene	10.67	106	577357	46.22	ug	86
66) Styrene	10.70	104	761443m	50.42	ug	
67) Isopropylbenzene	11.18	105	1560702	45.33	ug	94
68) 1,1,2,2-Tetrachloroethane	11.63	83	294153	51.46	ug	97
70) Bromoform	10.89	173	237510	50.05	ug	99
71) trans-1,4-Dichloro-2-buten	11.31	88	113093	52.98	ug	# 1
73) Bromobenzene	11.48	77	564661	47.37	ug	# 75
74) 1,2,3-Trichloropropane	11.63	75	188806	44.68	ug	# 85
75) 1,1,1,2-Tetrachloroethane	9.95	133	369278	50.22	ug	# 22
76) n-Propylbenzene	11.71	91	1613833	49.22	ug	100
77) 2-Chlorotoluene	11.76	91	1115414m	41.46	ug	
78) 4-Chlorotoluene	11.91	91	1167679	46.95	ug	98
79) n-Decane	12.09	57	471786	44.62	ug	97
80) 1,3,5-Trimethylbenzene	11.96	105	1101191	45.29	ug	90
81) tert-Butylbenzene	12.35	119	1244946	46.54	ug	# 90
82) 1,2,4-Trimethylbenzene	12.42	105	1102205	47.16	ug	92
83) sec-Butylbenzene	12.63	105	1446415	46.80	ug	96
84) 1,3-Dichlorobenzene	12.71	146	572036	47.63	ug	100
85) 1,4-Dichlorobenzene	12.83	146	549931	48.95	ug	98
86) 4-Isopropyltoluene	12.84	119	1054048	47.75	ug	94
87) 1,2-Dichlorobenzene	13.27	146	524272	57.58	ug	92
88) n-Butylbenzene	13.36	91	1039905	53.48	ug	95
89) 1,2-Dibromo-3-chloropropan	14.28	157	44423	75.77	ug	# 65
90) 1,2,4-Trichlorobenzene	15.30	180	139399	84.63	ug	# 85
91) Hexachlorobutadiene	15.57	225	164480	79.93	ug	97
92) Naphthalene	15.58	128	173402	58.86	ug	100
93) 1,2,3-Trichlorobenzene	15.89	180	73360	56.98	ug	97

Data File : C:\HPCHEM\1\DATA\090811\CS203.D

Acq On : 11 Aug 2009 10:57 am

Sample : VSTD100

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 13:14 2009

Vial: 3

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.31	114	1233627	50.00	ug	-0.01
36) Chlorobenzene-d5	9.76	82	529266	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.81	150	574786m	50.00	ug	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.34	65	785330	106.40	ug	-0.01
57) Toluene-d8	7.75	98	2297490	86.90	ug	-0.01
72) Bromofluorobenzene	11.35	95	804221	83.28	ug	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.77	85	1598507	141.38	ug	90
3) Chloromethane	0.87	50	1387138	130.11	ug	99
4) Vinyl Chloride	0.90	62	1240714	118.86	ug	96
5) Bromomethane	1.06	96	351405	80.34	ug	92
6) Chloroethane	1.12	64	171391	77.08	ug	# 72
7) Trichlorofluoromethane	1.25	101	1304387	115.01	ug	97
8) Acrolein	1.51	56	315312	397.81	ug	94
9) 1,1-Dichloroethene	1.56	96	664620	111.65	ug	# 72
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	893324	94.27	ug	# 65
11) Iodomethane	1.65	142	1458441	152.17	ug	89
12) Carbon Disulfide	1.67	76	2648490	153.74	ug	93
13) Acetone	1.64	43	335379	187.43	ug	93
14) Methyl Acetate	1.86	43	387984	96.41	ug	97
15) Allyl Chloride	1.82	41	1545471	106.43	ug	92
16) Methylene Chloride	1.90	49	955812	98.93	ug	88
17) trans-1,2-Dichloroethene	2.11	96	829690	106.42	ug	91
18) Acrylonitrile	2.12	53	780955	395.72	ug	95
19) Mtbe	2.14	73	3756132	216.54	ug	91
21) 1,1-Dichloroethane	2.49	63	1404558	105.58	ug	99
22) Chloroprene	2.57	53	1213658	105.74	ug	90
23) Vinyl Acetate	2.60	43	1322497	149.93	ug	98
24) cis-1,2-Dichloroethene	3.14	61	1352313	105.77	ug	# 75
25) 2,2-Dichloropropane	3.10	77	1663717	105.97	ug	98
26) Acetonitrile	1.82	41	1545471	1072.63	ug	# 100
27) Propionitrile	3.31	54	766996	1166.13	ug	100
28) Bromochloromethane	3.44	49	469440	98.95	ug	# 90
29) Methacrylonitrile	3.49	67	1865218	1021.09	ug	# 87
30) Chloroform	3.60	83	1436529	89.36	ug	99
31) 1,2-Dichloro-1-propene	4.05	75	1156795	105.71	ug	90
33) 1,2-Dichloroethane	4.48	62	1015834	113.68	ug	# 78
34) 2-Butanone	3.23	43	469709	231.33	ug	100
35) 1,4-Dioxane	6.49	88	147207	2257.32	ug	90
37) 1,1,1-Trichloroethane	3.78	97	1537631	97.10	ug	98
38) Cyclohexane	3.84	84	799389	95.07	ug	86
39) Carbon tetrachloride	4.03	117	1420916	103.47	ug	98
40) Benzene	4.40	78	2893737	99.20	ug	# 68
41) Isobutanol	4.78	43	330439	2208.78	ug	# 93
43) Trichloroethene	5.72	130	883386	105.80	ug	# 70
44) Methyl cyclohexane	5.99	83	1441530	107.98	ug	91
45) 1,2-Dichloropropane	6.10	63	708533	105.16	ug	# 64
46) Dibromomethane	6.32	174	527370	114.12	ug	95
47) Methyl Methacrylate	6.54	69	434270	112.02	ug	89
48) Bromodichloromethane	6.67	83	1130004	105.88	ug	96
49) 2-Chloroethyl vinyl ether	7.27	63	227012	76.33	ug	# 80
50) cis-1,3-Dichloropropene	7.40	75	1237915	107.43	ug	97
51) trans-1,3-Dichloropropene	8.28	75	1071194	105.86	ug	# 86

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

CS203.D NBL9.M Tue Aug 11 16:01:30 2009

Data File : C:\HPCHEM\1\DATA\090811\CS203.D

Acq On : 11 Aug 2009 10:57 am

Sample : VSTD100

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 13:14 2009

Vial: 3

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Tue Aug 11 10:51:09 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	771419	104.56	ug	# 70
53) 1,1,2-Trichloroethane	8.52	83	423461	93.16	ug	95
54) Dibromochloromethane	9.01	129	789257	105.47	ug	100
55) 1,2-Dibromoethane	9.09	107	603291	101.96	ug	98
56) 4-Methyl-2-Pentanone	7.74	43	986405	225.42	ug	# 1
58) Toluene	7.85	91	2781534	94.18	ug	# 93
59) Tetrachloroethene	8.61	164	646227	91.57	ug	85
60) 1,3-Dichloropropane	8.72	76	940513	104.00	ug	# 83
61) 2-Hexanone	8.97	43	767992	246.81	ug	# 84
62) Chlorobenzene	9.79	112	1845464	100.64	ug	99
63) Ethylbenzene	9.99	106	904402	98.86	ug	# 100
64) m,p-Xylene	10.17	91	4655965	183.64	ug	93
65) o-Xylene	10.67	106	1057373	93.12	ug	90
66) Styrene	10.70	104	1586111	115.55	ug	# 79
67) Isopropylbenzene	11.18	105	2816347	90.00	ug	95
68) 1,1,2,2-Tetrachloroethane	11.63	83	512682	98.67	ug	97
70) Bromoform	10.89	173	444547	96.09	ug	98
71) trans-1,4-Dichloro-2-buten	11.31	88	232672	111.81	ug	# 1
73) Bromobenzene	11.48	77	1033849	88.97	ug	# 76
74) 1,2,3-Trichloropropane	11.63	75	348007	84.48	ug	# 88
75) 1,1,1,2-Tetrachloroethane	9.95	133	696702	97.20	ug	# 18
76) n-Propylbenzene	11.72	91	2866582	89.69	ug	98
77) 2-Chlorotoluene	11.76	91	2184550m	83.30	ug	
78) 4-Chlorotoluene	11.91	91	2175097	89.71	ug	98
79) n-Decane	12.09	57	940399	91.24	ug	97
80) 1,3,5-Trimethylbenzene	11.97	105	2072089	87.41	ug	91
81) tert-Butylbenzene	12.35	119	2308270	88.52	ug	92
82) 1,2,4-Trimethylbenzene	12.42	105	2046567	89.83	ug	94
83) sec-Butylbenzene	12.63	105	2678873	88.91	ug	94
84) 1,3-Dichlorobenzene	12.71	146	1050691	89.74	ug	99
85) 1,4-Dichlorobenzene	12.83	146	1024756	93.58	ug	100
86) 4-Isopropyltoluene	12.86	119	1940904	90.19	ug	95
87) 1,2-Dichlorobenzene	13.29	146	946188	106.59	ug	91
88) n-Butylbenzene	13.36	91	1866461	98.48	ug	96
89) 1,2-Dibromo-3-chloropropan	14.28	157	74902	131.05	ug	# 74
90) 1,2,4-Trichlorobenzene	15.30	180	226648	141.16	ug	# 85
91) Hexachlorobutadiene	15.57	225	274859	137.02	ug	98
92) Naphthalene	15.59	128	269848	93.96	ug	100
93) 1,2,3-Trichlorobenzene	15.89	180	117892	93.94	ug	96

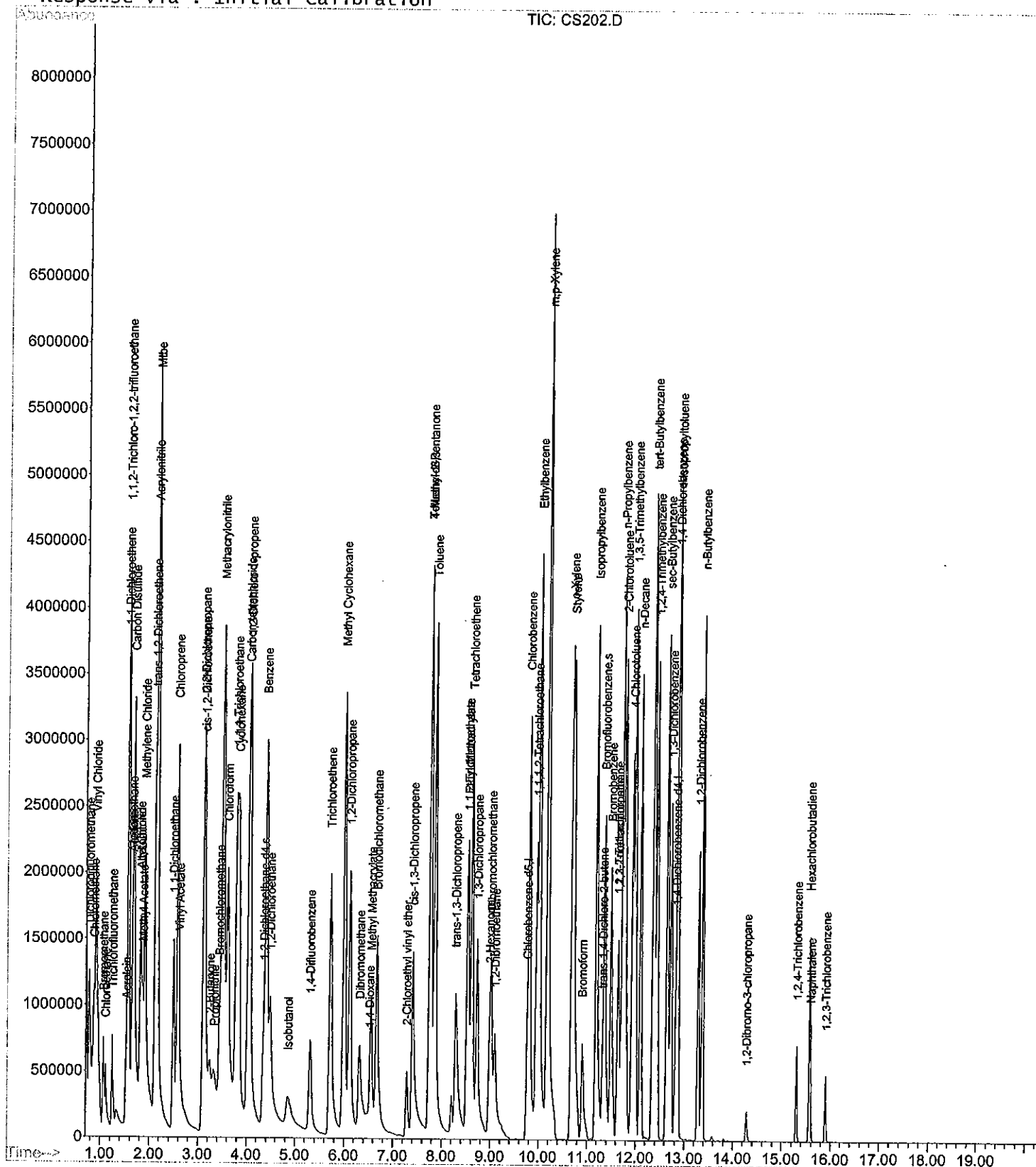
(#)= qualifier out of range (m) = manual integration

CS203.D NBL9.M Tue Aug 11 16:01:31 2009

Data File : C:\HPCHEM\1\DATA\090811\CS202.D
Acq On : 11 Aug 2009 10:29 am
Sample : VSTD200
Misc :
MS Integration Params: LSCINT.P
Quant Time: Aug 11 14:30 2009

Quant Results File: NBL9.RES

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Method       : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title        : Voa NBL Plus Calibration
Last Update  : Tue Aug 11 14:44:48 2009
Response via : Initial Calibration
```



Data File : C:\HPCHEM\1\DATA\090811\CS202.D

Acq On : 11 Aug 2009 10:29 am

Sample : VSTD200

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 11 14:30 2009

Vial: 2

Operator:

Inst : GCMS-C

Multiplier: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Jul 22 10:43:48 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1308218	50.00	ug	-0.02
36) Chlorobenzene-d5	9.76	82	539787	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.81	150	573385m	50.00	ug	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.35	65	1144701	146.25	ug	0.00
57) Toluene-d8	7.75	98	4404000	163.33	ug	0.00
72) Bromofluorobenzene	11.35	95	1460986	151.66	ug	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
2) Dichlorodifluoromethane	0.77	85	3001700	250.35	ug		90
3) Chloromethane	0.87	50	2767398	244.78	ug		99
4) Vinyl Chloride	0.91	62	2432487	219.74	ug		97
5) Bromomethane	1.06	96	624034	134.54	ug		93
6) Chloroethane	1.11	64	349165	148.07	ug	#	88
7) Trichlorofluoromethane	1.24	101	1344241m	111.77	ug		
8) Acrolein	1.53	56	514823	612.49	ug		91
9) 1,1-Dichloroethene	1.55	96	1145009	181.38	ug	#	67
10) 1,1,2-Trichloro-1,2,2-trif	1.56	101	1600185	159.23	ug	#	66
11) Iodomethane	1.64	142	2544403	250.33	ug		89
12) Carbon Disulfide	1.67	76	4453838	243.79	ug		95
13) Acetone	1.65	43	693854	365.65	ug		96
14) Methyl Acetate	1.86	43	663051	155.37	ug		99
15) Allyl chloride	1.81	41	2675642	173.76	ug	#	77
16) Methylene Chloride	1.90	49	1664852	162.50	ug		90
17) trans-1,2-Dichloroethene	2.11	96	1547835	187.21	ug		85
18) Acrylonitrile	2.14	53	1291443	617.09	ug		94
19) Mtbe	2.16	73	6225733	338.44	ug		91
21) 1,1-Dichloroethane	2.49	63	2379022	168.64	ug		99
22) Chloroprene	2.58	53	2390448	196.38	ug		93
23) Vinyl Acetate	2.61	43	2293316	245.16	ug		99
24) cis-1,2-Dichloroethene	3.13	61	2426328	178.95	ug	#	75
25) 2,2-Dichloropropane	3.11	77	3013162	180.98	ug		99
26) Acetonitrile	1.81	41	2675642	1751.14	ug	#	100
27) Propionitrile	3.33	54	1209610	1734.22	ug		100
28) Bromochloromethane	3.43	49	777529	154.54	ug	#	86
29) Methacrylonitrile	3.50	67	3013503	1555.65	ug	#	85
30) Chloroform	3.60	83	2438474	143.04	ug		98
31) 1,2-Dichloro-1-propene	4.05	75	2097713	180.77	ug		88
33) 1,2-Dichloroethane	4.48	62	1861346	196.43	ug	#	77
34) 2-Butanone	3.24	43	886447	411.68	ug		98
35) 1,4-Dioxane	6.52	88	260215	3762.71	ug		97
37) 1,1,1-Trichloroethane	3.78	97	2784763	172.42	ug		98
38) Cyclohexane	3.83	84	1470434	171.46	ug		84
39) Carbon tetrachloride	4.03	117	2599056	185.58	ug		100
40) Benzene	4.39	78	5166476	173.66	ug	#	65
41) Isobutanol	4.85	43	549197	3599.49	ug		94
43) Trichloroethene	5.71	130	1587405	186.41	ug	#	72
44) Methyl cyclohexane	5.99	83	2605329	191.36	ug		91
45) 1,2-Dichloropropane	6.10	63	1258121	183.10	ug	#	60
46) Dibromomethane	6.32	174	915930	194.34	ug		97
47) Methyl Methacrylate	6.56	69	711651	180.00	ug		89
48) Bromodichloromethane	6.67	83	2081524	191.23	ug		96
49) 2-chloroethyl vinyl ether	7.28	63	434813	143.35	ug	#	80
50) cis-1,3-Dichloropropene	7.40	75	2205020	187.63	ug		99
51) trans-1,3-Dichloropropene	8.28	75	1853133	179.57	ug	#	86

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

CS202.D NBL9.M Tue Aug 11 16:01:44 2009

Data File : C:\HPCHEM\1\DATA\090811\CS202.D

Vial: 2

Acq On : 11 Aug 2009 10:29 am

Operator:

Sample : VSTD200

Inst : GCMS-C

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 11 14:30 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Jul 22 10:43:48 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.53	69	1208941	160.66	ug	# 70
53) 1,1,2-Trichloroethane	8.52	83	738022	159.20	ug	97
54) Dibromochloromethane	9.01	129	1340885	175.70	ug	99
55) 1,2-Dibromoethane	9.09	107	1013207	167.90	ug	99
56) 4-Methyl-2-Pentanone	7.75	43	1501993	336.56	ug	# 1
58) Toluene	7.85	91	4857887	161.28	ug	# 92
59) Tetrachloroethene	8.61	164	1138813	158.23	ug	85
60) 1,3-Dichloropropane	8.72	76	1623576	176.03	ug	# 83
61) 2-Hexanone	8.98	43	1200548	378.30	ug	# 89
62) Chlorobenzene	9.79	112	3168834	169.44	ug	99
63) Ethylbenzene	10.01	106	1599008	171.39	ug	# 100
64) m,p-Xylene	10.18	91	7827229	302.70	ug	95
65) o-Xylene	10.67	106	1786172	154.23	ug	93
66) Styrene	10.71	104	2695044	192.50	ug	# 79
67) Isopropylbenzene	11.18	105	4768353	149.41	ug	96
68) 1,1,2,2-Tetrachloroethane	11.63	83	737331	139.14	ug	96
70) Bromoform	10.90	173	709845	153.82	ug	99
71) trans-1,4-Dichloro-2-buten	11.31	88	378333	182.25	ug	# 1
73) Bromobenzene	11.48	77	1738696	149.99	ug	# 77
74) 1,2,3-Trichloropropane	11.63	75	518837	126.25	ug	# 87
75) 1,1,1,2-Tetrachloroethane	9.95	133	1231684	172.26	ug	# 16
76) n-Propylbenzene	11.72	91	4700417	147.43	ug	96
77) 2-Chlorotoluene	11.77	91	3725010m	142.38	ug	
78) 4-Chlorotoluene	11.92	91	3573848	147.76	ug	98
79) n-Decane	12.09	57	1690488	164.41	ug	96
80) 1,3,5-Trimethylbenzene	11.97	105	3364154	142.27	ug	92
81) tert-Butylbenzene	12.36	119	3753538	144.30	ug	91
82) 1,2,4-Trimethylbenzene	12.43	105	3340309	146.98	ug	96
83) sec-Butylbenzene	12.64	105	4293527	142.85	ug	93
84) 1,3-Dichlorobenzene	12.71	146	1650169	141.28	ug	99
85) 1,4-Dichlorobenzene	12.84	146	1554532	142.30	ug	99
86) 4-Isopropyltoluene	12.86	119	3083705	143.65	ug	95
87) 1,2-Dichlorobenzene	13.29	146	1337176	151.01	ug	93
88) n-Butylbenzene	13.37	91	2851726	150.83	ug	97
89) 1,2-Dibromo-3-chloropropan	14.28	157	86596m	151.88	ug	
90) 1,2,4-Trichlorobenzene	15.31	180	267207m	166.82	ug	
91) Hexachlorobutadiene	15.57	225	337995	168.90	ug	98
92) Naphthalene	15.59	128	328368	114.61	ug	100
93) 1,2,3-Trichlorobenzene	15.89	180	170694m	136.34	ug	

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

CS202.D NBL9.M Tue Aug 11 16:01:45 2009

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Instrument ID: MSVOAC Calibration Date/Time: 8/14/2009 10:15

Lab File ID: CS209.D Init. Calib. Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF	RRF	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.568	0.586	0.010	3.17	40.0
Chloromethane	0.558	0.578	0.010	3.58	40.0
Vinyl Chloride	0.507	0.561	0.100	10.65	25.0
Bromomethane	0.145	0.139	0.100	-4.14	25.0
Chloroethane	0.108	0.094	0.010	-12.96	40.0
Trichlorofluoromethane	0.474	0.589	0.010	24.26	40.0
1,1-Dichloroethene	0.245	0.264	0.100	7.76	25.0
1,1,2-Trichloro-1,2,2-tri	0.356	0.390	0.010	9.55	40.0
Carbon Disulfide	0.993	1.067	0.010	7.45	40.0
Acetone	0.073	0.094	0.010	28.77	40.0
Methyl Acetate	0.161	0.167	0.010	3.73	40.0
Methylene Chloride	0.393	0.398	0.010	1.27	40.0
trans-1,2-Dichloroethene	0.312	0.326	0.010	4.49	40.0
Mtbe	0.730	0.763	0.010	4.52	40.0
1,1-Dichloroethane	0.541	0.579	0.200	7.02	25.0
cis-1,2-Dichloroethene	0.512	0.555	0.010	8.40	40.0
Bromochloromethane	0.195	0.189	0.100	-3.08	25.0
Chloroform	0.592	0.575	0.200	-2.87	25.0
Cyclohexane	0.321	0.344	0.010	7.17	40.0
1,2-Dichloroethane	0.346	0.370	0.100	6.94	25.0
2-Butanone	0.094	0.108	0.010	14.89	40.0
Methyl Cyclohexane	1.281	1.443	0.010	12.65	40.0
1,1,1-Trichloroethane	1.388	1.549	0.100	11.60	25.0
Carbon tetrachloride	1.238	1.367	0.100	10.42	25.0
Benzene	2.687	2.820	0.500	4.95	25.0
Trichloroethene	0.772	0.859	0.300	11.27	25.0
1,2-Dichloropropane	0.649	0.675	0.010	4.01	40.0
Bromodichloromethane	0.995	1.127	0.200	13.27	25.0
cis-1,3-Dichloropropene	1.068	1.062	0.200	-0.56	25.0
trans-1,3-Dichloropropene	0.930	0.994	0.100	6.88	25.0
1,1,2-Trichloroethane	0.428	0.414	0.100	-3.27	25.0
Dibromochloromethane	0.695	0.671	0.100	-3.45	25.0
1,2-Dibromoethane	0.562	0.565	0.010	0.53	40.0
Bromoform	0.403	0.333	0.100	-17.37	25.0
4-Methyl-2-Pentanone	0.472	0.482	0.010	2.12	40.0
Toluene	2.684	2.701	0.400	0.63	25.0
Tetrachloroethene	0.613	0.644	0.200	5.06	25.0
2-Hexanone	0.360	0.381	0.010	5.83	40.0
Chlorobenzene	1.645	1.701	0.500	3.40	25.0
Ethylbenzene	0.855	0.819	0.100	-4.21	25.0
m,p-Xylene	2.276	2.249	0.010	-1.19	40.0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Instrument ID: MSVOAC Calibration Date/Time: 8/14/2009 10:15

Lab File ID: CS209.D Init. Calib. Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

COMPOUND	<u>RRF</u>	RRF	MIN RRF	%D	MAX%D
o-Xylene	1.031	0.982	0.300	-4.75	25.0
Styrene	1.434	1.486	0.300	3.63	25.0
Isopropylbenzene	2.825	2.690	0.010	-4.78	40.0
1,1,2,2-Tetrachloroethane	0.479	0.407	0.300	-15.03	25.0
1,3-Dichlorobenzene	0.994	0.899	0.600	-9.56	25.0
1,4-Dichlorobenzene	0.935	0.895	0.500	-4.28	25.0
1,2-Dichlorobenzene	0.827	0.802	0.400	-3.02	25.0
1,2-Dibromo-3-chloropropa	0.056	0.041	0.010	-26.79	40.0
1,2,4-Trichlorobenzene	0.192	0.161	0.200	-16.15	25.0
1,2-Dichloroethane-d4	0.275	0.281	0.010	2.18	40.0
Toluene-d8	2.425	2.599	0.010	7.18	40.0
Bromofluorobenzene	0.770	0.893	0.200	15.97	25.0

All other compounds must meet a minimum RRF of 0.010.

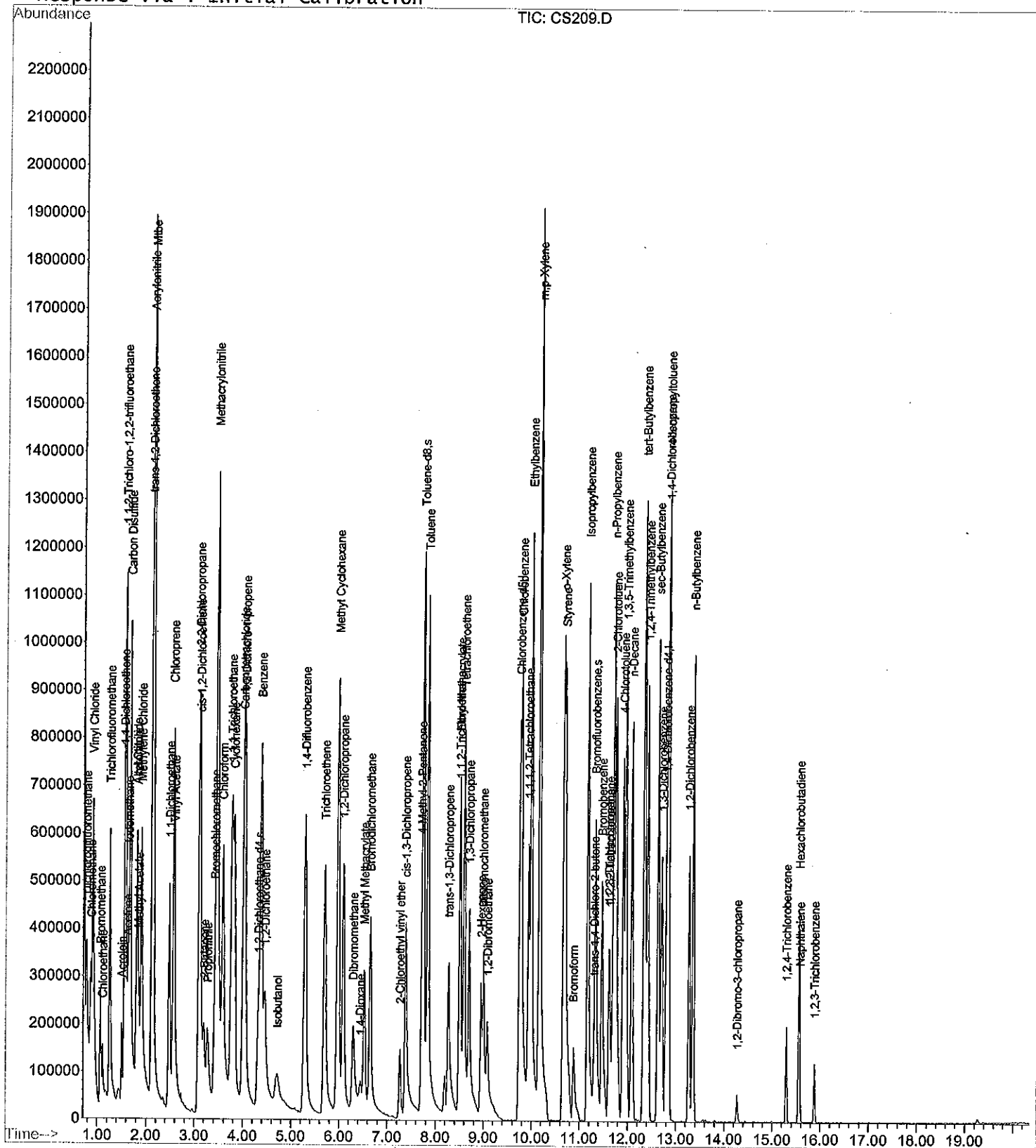
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\CS209.D
Acq On : 14 Aug 2009 10:15 am
Sample : VSTD050
Misc :
MS Integration Params: LSCINT.P
Quant Time: Aug 14 10:37 2009

Vial: 2
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Mon Aug 31 14:07:59 2009
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\CS209.D

Acq On : 14 Aug 2009 10:15 am

Sample : VSTD050

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 14 10:37 2009

vial: 2

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update: Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1145582	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	461551	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	424402	50.00	ug	-0.02

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.32	65	322292	51.06	ug	-0.02
57) Toluene-d8	7.74	98	1199698	53.60	ug	-0.01
72) Bromofluorobenzene	11.32	95	379114	57.97	ug	-0.02

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.77	85	671368	51.60	ug	91
3) Chloromethane	0.87	50	662300	51.83	ug	98
4) Vinyl Chloride	0.90	62	642365	55.29	ug	97
5) Bromomethane	1.06	96	158951	47.84	ug	90
6) Chloroethane	1.11	64	107984m	52.65	ug	
7) Trichlorofluoromethane	1.25	101	674867	62.12	ug	98
8) Acrolein	1.50	56	141393	198.89	ug	91
9) 1,1-Dichloroethene	1.55	96	302455	53.92	ug	81
10) 1,1,2-Trichloro-1,2,2-trif	1.57	101	446639	54.80	ug	# 66
11) Iodomethane	1.64	142	652946	53.22	ug	89
12) Carbon Disulfide	1.67	76	1221886	53.71	ug	95
13) Acetone	1.61	43	215959m	128.53	ug	
14) Methyl Acetate	1.84	43	191600	51.95	ug	93
15) Allyl Chloride	1.81	41	681163	51.57	ug	# 89
16) Methylene Chloride	1.90	49	455868	50.67	ug	89
17) trans-1,2-Dichloroethene	2.10	96	373437	52.28	ug	93
18) Acrylonitrile	2.11	53	374644	207.36	ug	94
19) Mtbe	2.13	73	1749091	104.55	ug	91
21) 1,1-Dichloroethane	2.48	63	663671	53.51	ug	99
22) Chloroprene	2.56	53	586273	55.60	ug	91
23) Vinyl Acetate	2.58	43	543353	50.70	ug	97
24) cis-1,2-Dichloroethene	3.11	61	635950	54.25	ug	# 70
25) 2,2-Dichloropropane	3.09	77	788291	55.44	ug	98
26) Acetonitrile	1.81	41	681163	515.70	ug	# 100
27) Propionitrile	3.27	54	326554	492.16	ug	100
28) Bromochloromethane	3.42	49	216738	48.60	ug	95
29) Methacrylonitrile	3.45	67	806315	469.40	ug	83
30) Chloroform	3.58	83	658704	48.59	ug	99
31) 1,2-Dichloro-1-propene	4.04	75	525765	51.77	ug	87
33) 1,2-Dichloroethane	4.46	62	423564	53.45	ug	# 80
34) 2-Butanone	3.20	43	248245	115.46	ug	99
35) 1,4-Dioxane	6.44	88	75183	1133.11	ug	97
37) 1,1,1-Trichloroethane	3.76	97	714933	55.80	ug	99
38) Cyclohexane	3.81	84	393674	56.25	ug	87
39) Carbon tetrachloride	4.01	117	631031	55.23	ug	98
40) Benzene	4.38	78	1301735	52.47	ug	# 66
41) Isobutanol	4.72	43	145843	1011.49	ug	# 79
43) Trichloroethene	5.70	130	396482	55.66	ug	# 71
44) Methyl cyclohexane	5.98	83	666021	56.32	ug	93
45) 1,2-Dichloropropane	6.08	63	311524	52.02	ug	# 65
46) Dibromomethane	6.29	174	209640	50.66	ug	94
47) Methyl Methacrylate	6.52	69	193215	54.19	ug	91
48) Bromodichloromethane	6.64	83	520115	56.64	ug	95
49) 2-Chloroethyl vinyl ether	7.26	63	112518	59.59	ug	# 79
50) cis-1,3-Dichloropropene	7.38	75	489943	49.68	ug	100
51) trans-1,3-Dichloropropene	8.27	75	458667	53.41	ug	# 84

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

CS209.D NBL9.M Tue Sep 01 14:21:08 2009

Data File : C:\HPCHEM\1\DATA\090814\CS209.D

Acq On : 14 Aug 2009 10:15 am

Sample : VSTD050

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 14 10:37 2009

Vial: 2

Operator:

Inst : GCMS-C

Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METHOC

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.50	69	344794	51.64	ug	# 72
53) 1,1,2-Trichloroethane	8.49	83	190912	48.27	ug	99
54) Dibromochloromethane	8.99	129	309910	48.32	ug	100
55) 1,2-Dibromoethane	9.08	107	260971	50.27	ug	95
56) 4-Methyl-2-Pentanone	7.70	43	444604	102.11	ug	# 1
58) Toluene	7.83	91	1246470	50.31	ug	# 93
59) Tetrachloroethene	8.59	164	297270	52.54	ug	87
60) 1,3-Dichloropropane	8.70	76	416335	51.27	ug	# 83
61) 2-Hexanone	8.94	43	351435	105.72	ug	# 84
62) Chlorobenzene	9.78	112	785321	51.72	ug	99
63) Ethylbenzene	9.98	106	377927	47.91	ug	# 100
64) m,p-Xylene	10.15	91	2076029	98.82	ug	89
65) o-Xylene	10.66	106	453172	47.63	ug	85
66) Styrene	10.69	104	685658	59.50	ug	# 77
67) Isopropylbenzene	11.17	105	1241610	47.61	ug	93
68) 1,1,2,2-Tetrachloroethane	11.62	83	187760	42.51	ug	95
70) Bromoform	10.87	173	153608	47.47	ug	97
71) trans-1,4-Dichloro-2-buten	11.30	88	78441	49.09	ug	# 1
73) Bromobenzene	11.46	77	420549	49.96	ug	# 79
74) 1,2,3-Trichloropropane	11.61	75	121948	42.46	ug	# 87
75) 1,1,1,2-Tetrachloroethane	9.93	133	288922	58.73	ug	# 22
76) n-Propylbenzene	11.70	91	1260507	53.62	ug	97
77) 2-Chlorotoluene	11.74	91	991392m	54.74	ug	
78) 4-Chlorotoluene	11.90	91	865123	49.24	ug	99
79) n-Decane	12.08	57	405867	53.58	ug	96
80) 1,3,5-Trimethylbenzene	11.95	105	820484	50.08	ug	89
81) tert-Butylbenzene	12.34	119	922379	49.65	ug	90
82) 1,2,4-Trimethylbenzene	12.41	105	792181	49.83	ug	92
83) sec-Butylbenzene	12.62	105	1056589	49.21	ug	97
84) 1,3-Dichlorobenzene	12.70	146	381581	45.22	ug	98
85) 1,4-Dichlorobenzene	12.82	146	379685	47.84	ug	98
86) 4-Isopropyltoluene	12.83	119	752556	48.64	ug	93
87) 1,2-Dichlorobenzene	13.26	146	340258	48.46	ug	91
88) n-Butylbenzene	13.35	91	738257	46.08	ug	93
89) 1,2-Dibromo-3-chloropropan	14.27	157	17572	37.14	ug	# 63
90) 1,2,4-Trichlorobenzene	15.29	180	68298	41.82	ug	# 82
91) Hexachlorobutadiene	15.56	225	96389	51.57	ug	96
92) Naphthalene	15.57	128	92119	42.98	ug	100
93) 1,2,3-Trichlorobenzene	15.88	180	40355	44.71	ug	95

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

CS209.D NBL9.M Tue Sep 01 14:21:09 2009

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Instrument ID: MSVOAC Calibration Date/Time: 8/17/2009 12:14

Lab File ID: CS210.D Init. Calib. Date(s): 8/11/2009 8/11/2009

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:29 12:23

GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF	RRF	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.568	0.482	0.010	-15.14	40.0
Chloromethane	0.558	0.495	0.010	-11.29	40.0
Vinyl Chloride	0.507	0.448	0.100	-11.64	25.0
Bromomethane	0.145	0.164	0.100	13.10	25.0
Chloroethane	0.108	0.081	0.010	-25.00	40.0
Trichlorofluoromethane	0.474	0.542	0.010	14.35	40.0
1,1-Dichloroethene	0.245	0.238	0.100	-2.86	25.0
1,1,2-Trichloro-1,2,2-tri	0.356	0.358	0.010	0.56	40.0
Carbon Disulfide	0.993	0.873	0.010	-12.08	40.0
Acetone	0.073	0.078	0.010	6.85	40.0
Methyl Acetate	0.161	0.156	0.010	-3.11	40.0
Methylene Chloride	0.393	0.393	0.010	0.00	40.0
trans-1,2-Dichloroethene	0.312	0.331	0.010	6.09	40.0
Mtbe	0.730	0.821	0.010	12.47	40.0
1,1-Dichloroethane	0.541	0.527	0.200	-2.59	25.0
cis-1,2-Dichloroethene	0.512	0.566	0.010	10.55	40.0
Bromochloromethane	0.195	0.203	0.100	4.10	25.0
Chloroform	0.592	0.551	0.200	-6.93	25.0
Cyclohexane	0.321	0.310	0.010	-3.43	40.0
1,2-Dichloroethane	0.346	0.342	0.100	-1.16	25.0
2-Butanone	0.094	0.095	0.010	1.06	40.0
Methyl Cyclohexane	1.281	1.429	0.010	11.55	40.0
1,1,1-Trichloroethane	1.388	1.470	0.100	5.91	25.0
Carbon tetrachloride	1.238	1.182	0.100	-4.52	25.0
Benzene	2.687	2.604	0.500	-3.09	25.0
Trichloroethene	0.772	0.767	0.300	-0.65	25.0
1,2-Dichloropropane	0.649	0.620	0.010	-4.47	40.0
Bromodichloromethane	0.995	1.077	0.200	8.24	25.0
cis-1,3-Dichloropropene	1.068	1.202	0.200	12.55	25.0
trans-1,3-Dichloropropene	0.930	1.016	0.100	9.25	25.0
1,1,2-Trichloroethane	0.428	0.469	0.100	9.58	25.0
Dibromochloromethane	0.695	0.763	0.100	9.78	25.0
1,2-Dibromoethane	0.562	0.572	0.010	1.78	40.0
Bromoform	0.403	0.376	0.100	-6.70	25.0
4-Methyl-2-Pentanone	0.472	0.504	0.010	6.78	40.0
Toluene	2.684	2.778	0.400	3.50	25.0
Tetrachloroethene	0.613	0.682	0.200	11.26	25.0
2-Hexanone	0.360	0.334	0.010	-7.22	40.0
Chlorobenzene	1.645	1.744	0.500	6.02	25.0
Ethylbenzene	0.855	0.870	0.100	1.75	25.0
m,p-Xylene	2.276	2.370	0.010	4.13	40.0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AES, Inc. Contract: ENSR-Ward Products
 Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1
 Instrument ID: MSVOAC Calibration Date/Time: 8/17/2009 12:14
 Lab File ID: CS210.D Init. Calib. Date(s): 8/11/2009 8/11/2009
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:29 12:23
 GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF	RRF	MIN RRF	%D	MAX%D
o-Xylene	1.031	1.077	0.300	4.46	25.0
Styrene	1.434	1.554	0.300	8.37	25.0
Isopropylbenzene	2.825	2.965	0.010	4.96	40.0
1,1,2,2-Tetrachloroethane	0.479	0.450	0.300	-6.05	25.0
1,3-Dichlorobenzene	0.994	0.968	0.600	-2.62	25.0
1,4-Dichlorobenzene	0.935	0.936	0.500	0.11	25.0
1,2-Dichlorobenzene	0.827	0.868	0.400	5.08	25.0
1,2-Dibromo-3-chloropropa	0.056	0.047	0.010	-16.07	40.0
1,2,4-Trichlorobenzene	0.192	0.167	0.200	-13.02	25.0
1,2-Dichloroethane-d4	0.275	0.249	0.010	-9.45	40.0
Toluene-d8	2.425	2.406	0.010	-0.78	40.0
Bromofluorobenzene	0.770	0.856	0.200	11.17	25.0

All other compounds must meet a minimum RRF of 0.010.

Data File : C:\HPCHEM\1\DATA\090817\CS210.D

Acq On : 17 Aug 2009 12:14 pm

Sample : VSTD050

Misc :

MS Integration Params: LSCINT.P

Quant Time: Aug 17 12:38 2009

via1: 2

Operator:

Inst : GCMS-C

Multiplr: 1.00

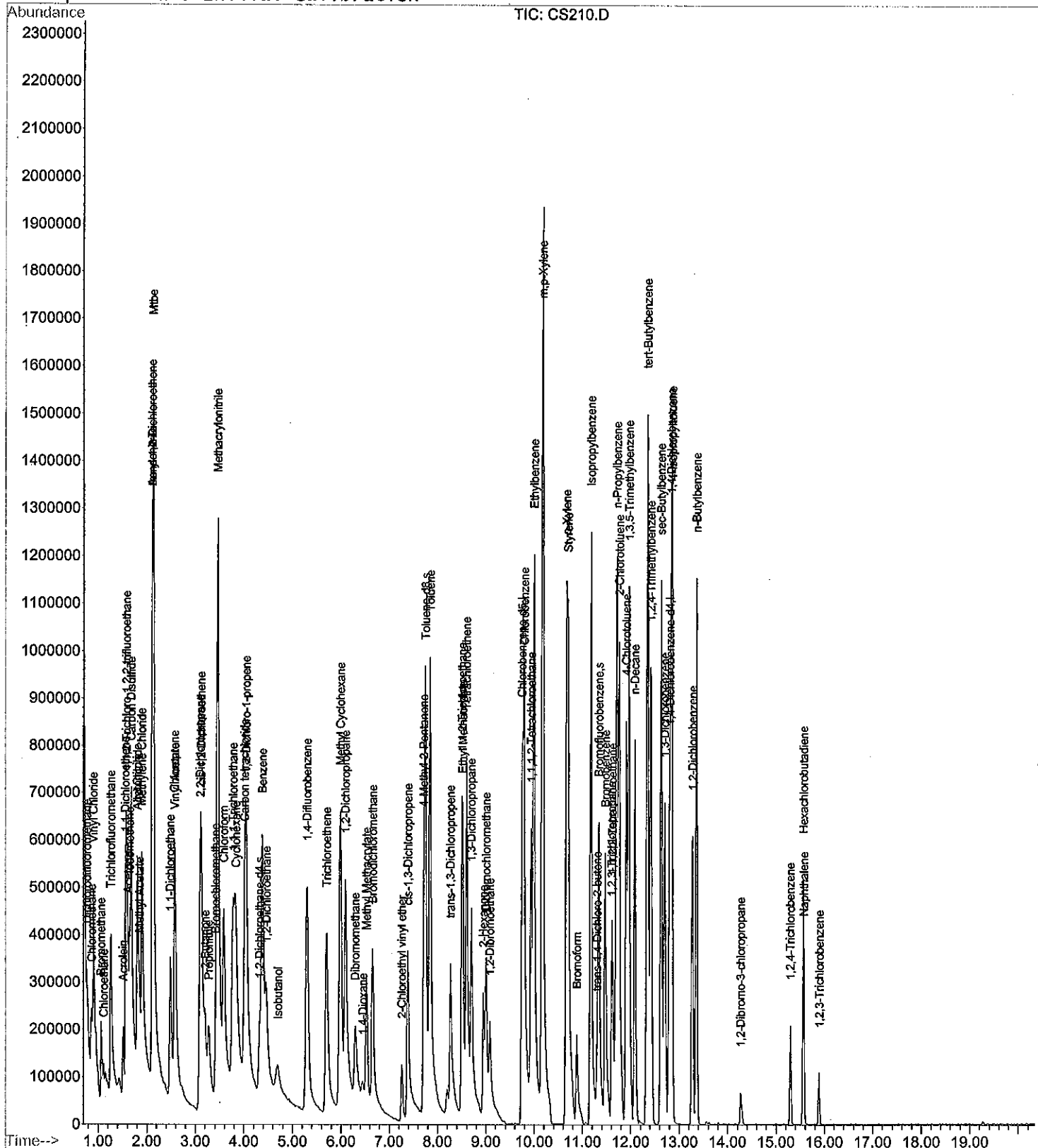
Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Mon Aug 31 14:07:59 2009

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090817\CS210.D
 Acq On : 17 Aug 2009 12:14 pm
 Sample : VSTD050
 Misc :

Vial: 2
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

MS Integration Params: LSCINT.P
 Quant Time: Aug 17 12:38 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.30	114	1032647	50.00	ug	-0.01
36) Chlorobenzene-d5	9.74	82	466124	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.80	150	435096	50.00	ug	-0.01

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.32	65	257222	45.21	ug	-0.02
57) Toluene-d8	7.75	98	1121694	49.62	ug	0.00
72) Bromofluorobenzene	11.33	95	372351	55.54	ug	-0.01

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.77	85	498188	42.47	ug	92
3) Chloromethane	0.87	50	510994m	44.37	ug	
4) Vinyl chloride	0.90	62	462170	44.13	ug	96
5) Bromomethane	1.06	96	169107m	56.46	ug	
6) Chloroethane	1.12	64	83189m	45.00	ug	
7) Trichlorofluoromethane	1.26	101	559651	57.15	ug	96
8) Acrolein	1.51	56	125645	196.07	ug	96
9) 1,1-Dichloroethene	1.56	96	246285	48.71	ug	77
10) 1,1,2-Trichloro-1,2,2-trif	1.58	101	369696	50.32	ug	# 63
11) Iodomethane	1.65	142	527829	47.73	ug	88
12) Carbon Disulfide	1.68	76	901170	43.95	ug	94
13) Acetone	1.61	43	161862	106.87	ug	# 85
14) Methyl Acetate	1.85	43	161469	48.57	ug	97
15) Allyl chloride	1.80	41	593738	49.87	ug	# 37
16) Methylene chloride	1.90	49	405658	50.02	ug	96
17) trans-1,2-Dichloroethene	2.11	96	341683	53.07	ug	87
18) Acrylonitrile	2.11	53	369994	227.19	ug	97
19) Mtbe	2.13	73	1696281	112.49	ug	91
21) 1,1-Dichloroethane	2.48	63	544709	48.72	ug	97
22) Chloroprene	2.57	53	477650	50.26	ug	92
23) Vinyl Acetate	2.58	43	545297	56.45	ug	96
24) cis-1,2-Dichloroethene	3.12	61	584253	55.29	ug	# 66
25) 2,2-Dichloropropane	3.10	77	666271	51.98	ug	97
26) Acetonitrile	1.80	41	593738	498.68	ug	# 100
27) Propionitrile	3.27	54	309353	517.22	ug	100
28) Bromochloromethane	3.42	49	209858	52.21	ug	# 89
29) Methacrylonitrile	3.46	67	754012	486.96	ug	# 85
30) Chloroform	3.59	83	568870	46.56	ug	98
31) 1,2-Dichloro-1-propene	4.05	75	445369	48.65	ug	# 89
33) 1,2-Dichloroethane	4.47	62	352965	49.41	ug	# 82
34) 2-Butanone	3.20	43	196773	101.53	ug	97
35) 1,4-Dioxane	6.45	88	52849	883.62	ug	98
37) 1,1,1-Trichloroethane	3.78	97	685279	52.96	ug	93
38) Cyclohexane	3.83	84	320505	45.35	ug	96
39) Carbon tetrachloride	4.01	117	550956	47.75	ug	99
40) Benzene	4.39	78	1213980	48.46	ug	# 72
41) Isobutanol	4.70	43	127381	874.78	ug	# 89
43) Trichloroethene	5.71	130	357521	49.70	ug	# 69
44) Methyl cyclohexane	5.99	83	666221	55.78	ug	# 79
45) 1,2-Dichloropropane	6.09	63	289040	47.79	ug	# 66
46) Dibromomethane	6.29	174	184754	44.21	ug	87
47) Methyl Methacrylate	6.53	69	180398	50.10	ug	91
48) Bromodichloromethane	6.65	83	502201	54.15	ug	99
49) 2-Chloroethyl vinyl ether	7.26	63	80181	42.05	ug	# 83
50) cis-1,3-Dichloropropene	7.39	75	560065	56.24	ug	92
51) trans-1,3-Dichloropropene	8.27	75	473796	54.63	ug	# 82

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

CS210.D NBL9.M Tue Sep 01 14:23:37 2009

Data File : C:\HPCHEM\1\DATA\090817\CS210.D

vial: 2

Acq On : 17 Aug 2009 12:14 pm

Operator:

Sample : VSTD050

Inst : GCMS-C

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 17 12:38 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Ethyl Methacrylate	8.51	69	350046	51.91	ug	# 72
53) 1,1,2-Trichloroethane	8.50	83	218695	54.75	ug	94
54) Dibromochloromethane	9.00	129	355588	54.89	ug	97
55) 1,2-Dibromoethane	9.08	107	266614	50.85	ug	99
56) 4-Methyl-2-Pentanone	7.71	43	470027	106.89	ug	# 1
58) Toluene	7.84	91	1295044	51.76	ug	# 94
59) Tetrachloroethene	8.59	164	317825	55.62	ug	85
60) 1,3-Dichloropropane	8.69	76	406328	49.54	ug	# 77
61) 2-Hexanone	8.94	43	310937	92.62	ug	# 88
62) Chlorobenzene	9.79	112	812991	53.02	ug	100
63) Ethylbenzene	9.99	106	405469	50.90	ug	# 100
64) m,p-Xylene	10.16	91	2209173	104.12	ug	89
65) o-Xylene	10.66	106	502093	52.25	ug	86
66) Styrene	10.69	104	724224	62.23	ug	# 75
67) Isopropylbenzene	11.16	105	1382038	52.47	ug	93
68) 1,1,2,2-Tetrachloroethane	11.61	83	209661	47.00	ug	96
70) Bromoform	10.88	173	175224	52.81	ug	98
71) trans-1,4-Dichloro-2-buten	11.30	88	81049	49.47	ug	# 1
73) Bromobenzene	11.47	77	468493	54.29	ug	# 80
74) 1,2,3-Trichloropropane	11.60	75	144110	48.94	ug	# 87
75) 1,1,1,2-Tetrachloroethane	9.93	133	306210	60.71	ug	# 22
76) n-Propylbenzene	11.71	91	1356001	56.27	ug	98
77) 2-Chlorotoluene	11.75	91	966817m	52.07	ug	
78) 4-Chlorotoluene	11.90	91	971922	53.95	ug	99
79) n-Decane	12.08	57	368793	47.49	ug	97
80) 1,3,5-Trimethylbenzene	11.95	105	916377	54.56	ug	89
81) tert-Butylbenzene	12.34	119	1031734	54.17	ug	88
82) 1,2,4-Trimethylbenzene	12.40	105	875629	53.72	ug	92
83) sec-Butylbenzene	12.62	105	1207600	54.86	ug	97
84) 1,3-Dichlorobenzene	12.70	146	421280	48.70	ug	97
85) 1,4-Dichlorobenzene	12.82	146	407040	50.03	ug	97
86) 4-Isopropyltoluene	12.84	119	859517	54.18	ug	93
87) 1,2-Dichlorobenzene	13.27	146	377881	52.49	ug	92
88) n-Butylbenzene	13.35	91	828900	50.47	ug	93
89) 1,2-Dibromo-3-chloropropan	14.26	157	20286	41.82	ug	# 59
90) 1,2,4-Trichlorobenzene	15.29	180	72590	43.36	ug	# 78
91) Hexachlorobutadiene	15.56	225	103589	54.06	ug	97
92) Naphthalene	15.57	128	95858	43.62	ug	100
93) 1,2,3-Trichlorobenzene	15.89	180	41160	44.48	ug	98

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

CS210.D NBL9.M Tue Sep 01 14:23:37 2009

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: _____ FGI-1 _____
 Lab File ID: CS209.D Date Analyzed: 8/14/2009
 Instrument ID: MSVOAC Time Analyzed: 10:15
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1145582	5.29	461551	9.74	424402	12.79
UPPER LIMIT	2291164	5.79	923102	10.24	848804	13.29
LOWER LIMIT	572791	4.79	230776	9.24	212201	12.29
SAMPLE NO.						
VSTD050	1145582	5.29	461551	9.74	424402	12.79
VBLK01	1327267	5.29	567977	9.74	577658	12.79
MW-14	1370728	5.29	574599	9.74	575803	12.79
MW-15	1323670	5.29	558172	9.74	558822	12.80
MW-19	1395140	5.29	599324	9.74	587496	12.79
MW-20	1318057	5.29	559788	9.74	564966	12.79
MW-5	1098727	5.29	477280	9.74	477865	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AES, Inc. Contract ENSR-Ward Products
 Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: _____ FGI-1 _____
 Lab File ID: CS210.D Date Analyzed: 8/17/2009
 Instrument ID: MSVOAC Time Analyzed: 12:14
 GC Column: DB624 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1032647	5.30	466124	9.74	435096	12.80
UPPER LIMIT	2065294	5.80	932248	10.24	870192	13.30
LOWER LIMIT	516324	4.80	233062	9.24	217548	12.30
SAMPLE NO.						
VSTD050	1032647	5.30	466124	9.74	435096	12.80
VBLK02	1352320	5.29	597271	9.74	590672	12.79
MW-14MS	1434409	5.29	585279	9.75	597652	12.79
MW-14MSD	1462813	5.29	592695	9.75	630676	12.79
VMSB	1291103	5.29	544036	9.74	576335	12.79
FGI-1	1461633	5.29	628269	9.75	629482	12.80
MW-8	1385772	5.29	594274	9.74	619204	12.79
MW-18	1400434	5.29	589680	9.74	584795	12.79
MW-12	1321180	5.29	565941	9.75	578935	12.79

IS1 = 1,4-Difluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

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

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

RAW QC

DATA

Data File : C:\HPCHEM\1\DATA\090811\CT202.D

Acq On : 11 Aug 2009 10:05 am

Sample : BFB-PURGED

Misc :

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

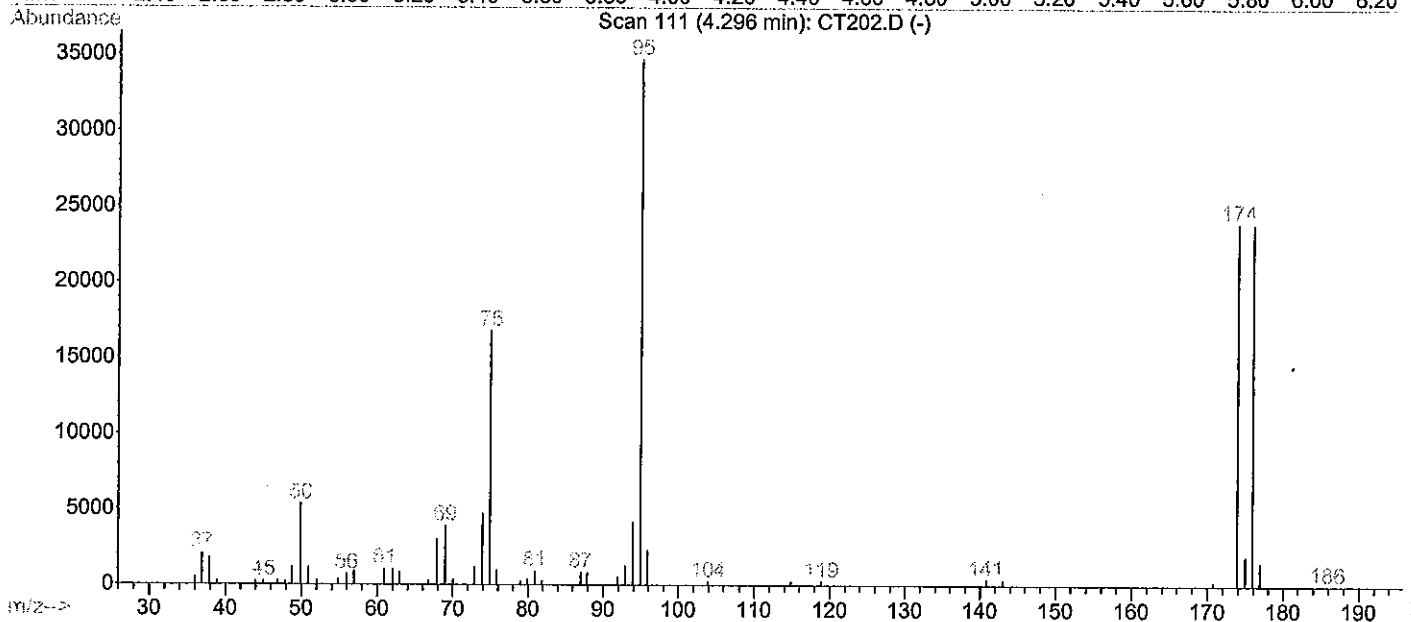
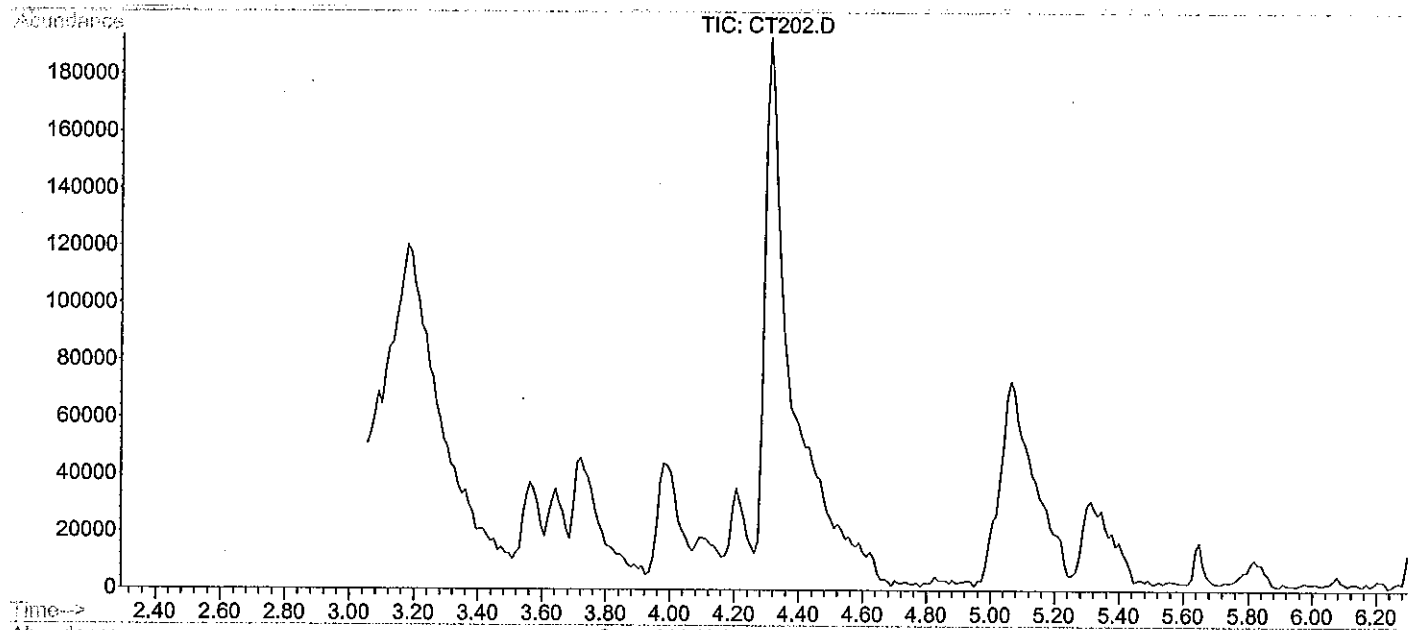
Title : Voa NBL Plus Calibration

Vial: 1

Operator:

Inst : GCMS-C

Multiplr: 1.00



Spectrum Information: Scan 111

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	5361	PASS
75	95	30	60	48.4	16800	PASS
95	95	100	100	100.0	34728	PASS
96	95	5	9	6.7	2322	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.0	23952	PASS
175	174	5	9	8.2	1957	PASS
176	174	95	101	99.8	23912	PASS
177	176	5	9	6.5	1555	PASS

BFB

Data File : C:\HPCHEM\1\DATA\090814\CT209.D

Acq On : 14 Aug 2009 9:53 am

Sample : BFB-PURGED

Misc :

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

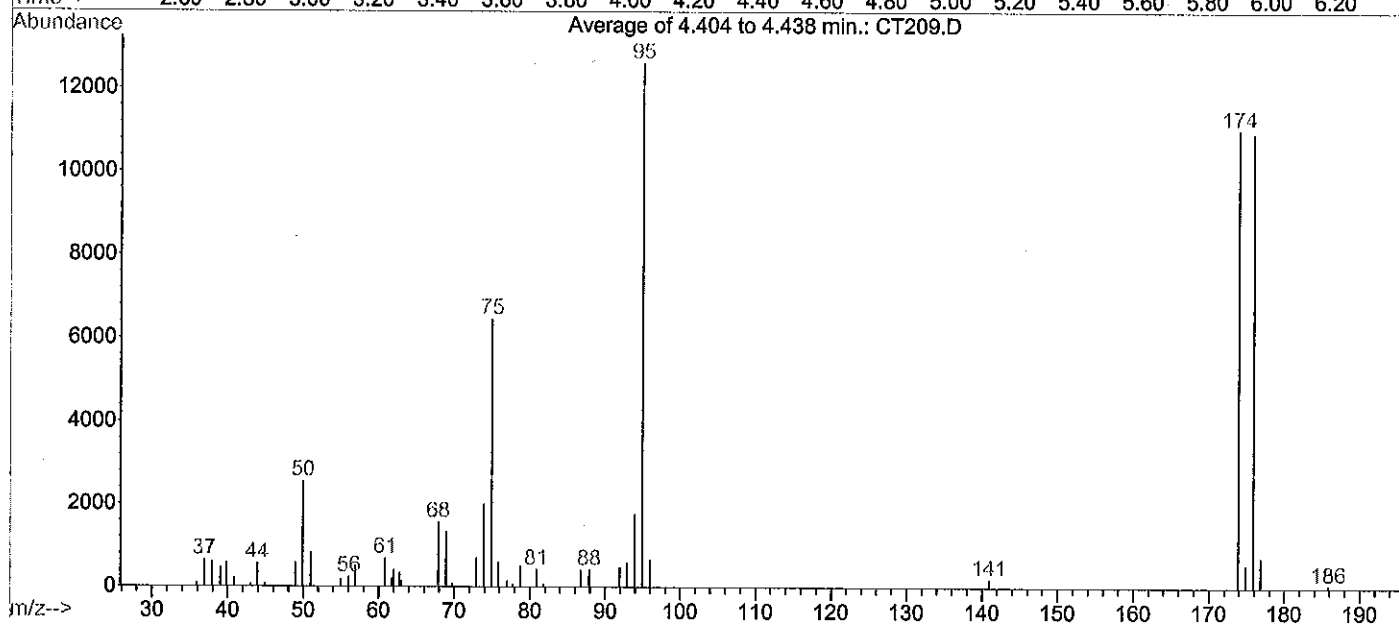
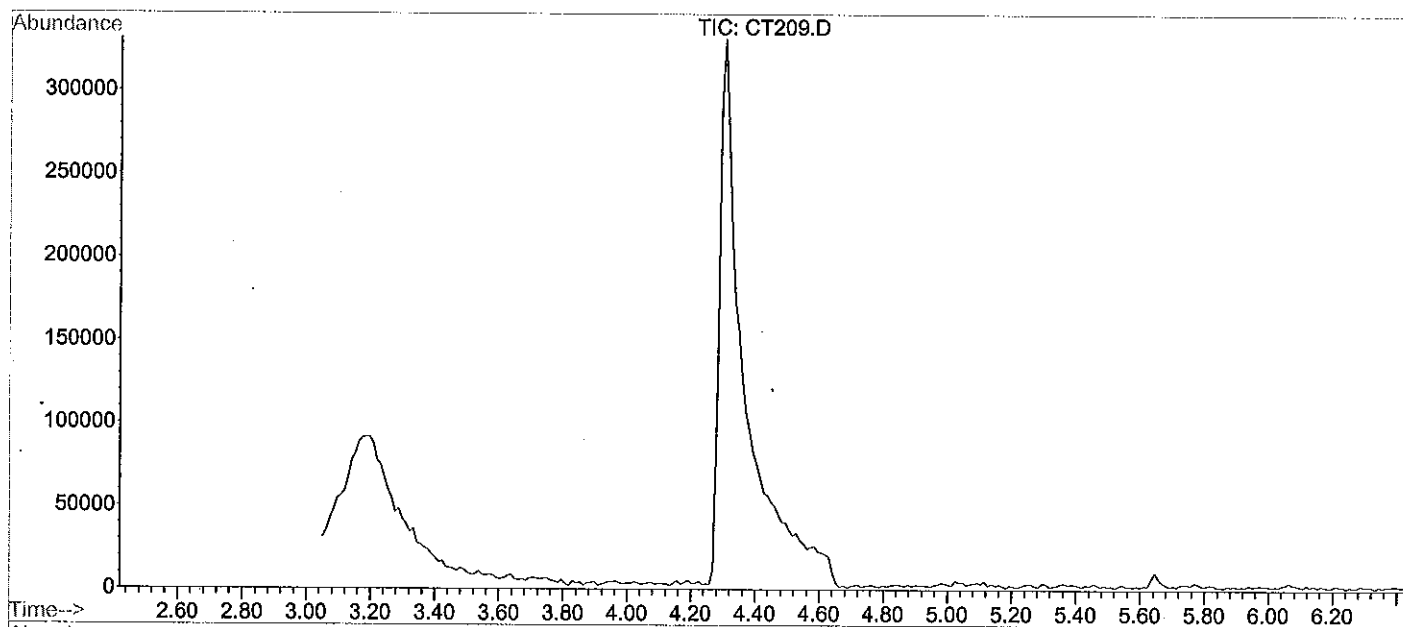
Title : Voa NBL Plus Calibration

Vial: 1

Operator:

Inst : GCMS-C

Multiplr: 1.00



Spectrum Information: Average of 4.404 to 4.438 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	2552	PASS
75	95	30	60	51.2	6454	PASS
95	95	100	100	100.0	12608	PASS
96	95	5	9	5.3	667	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.4	11015	PASS
175	174	5	9	5.0	551	PASS
176	174	95	101	99.2	10931	PASS
177	176	5	9	6.6	722	PASS

BFB

Data File : C:\HPCHEM\1\DATA\090817\CT210.D

Acq On : 17 Aug 2009 11:53 am

Sample : BFB-PURGED

Misc :

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

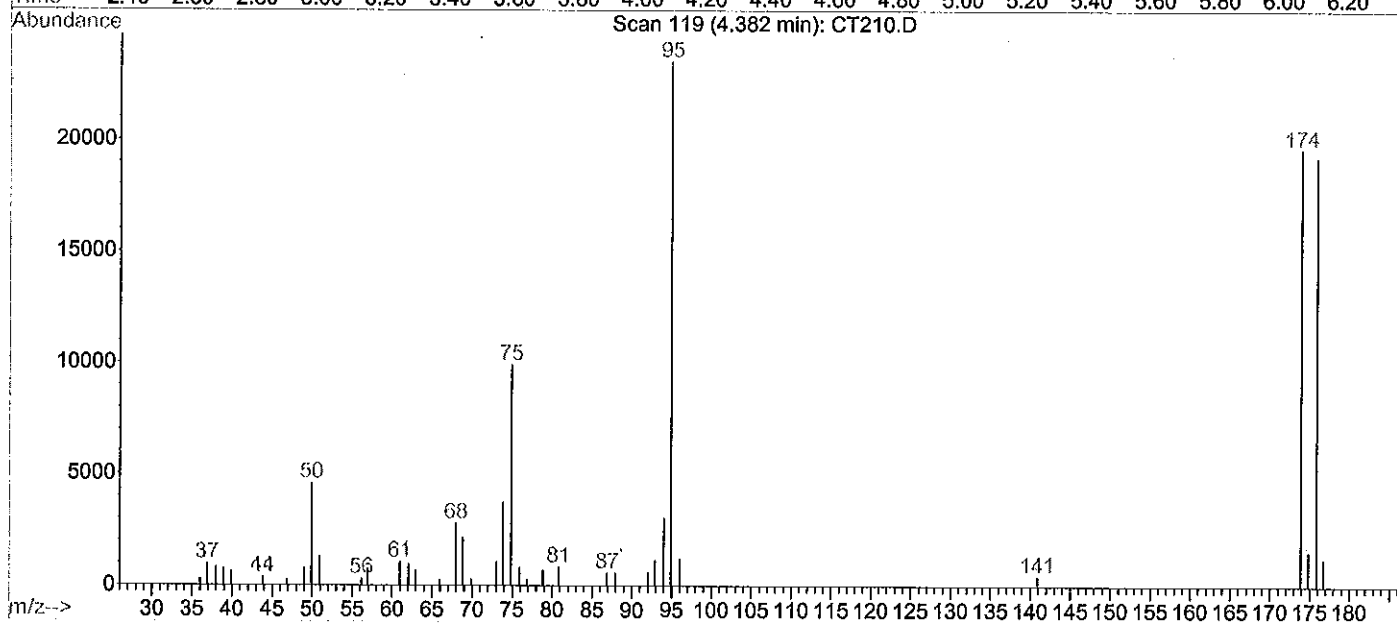
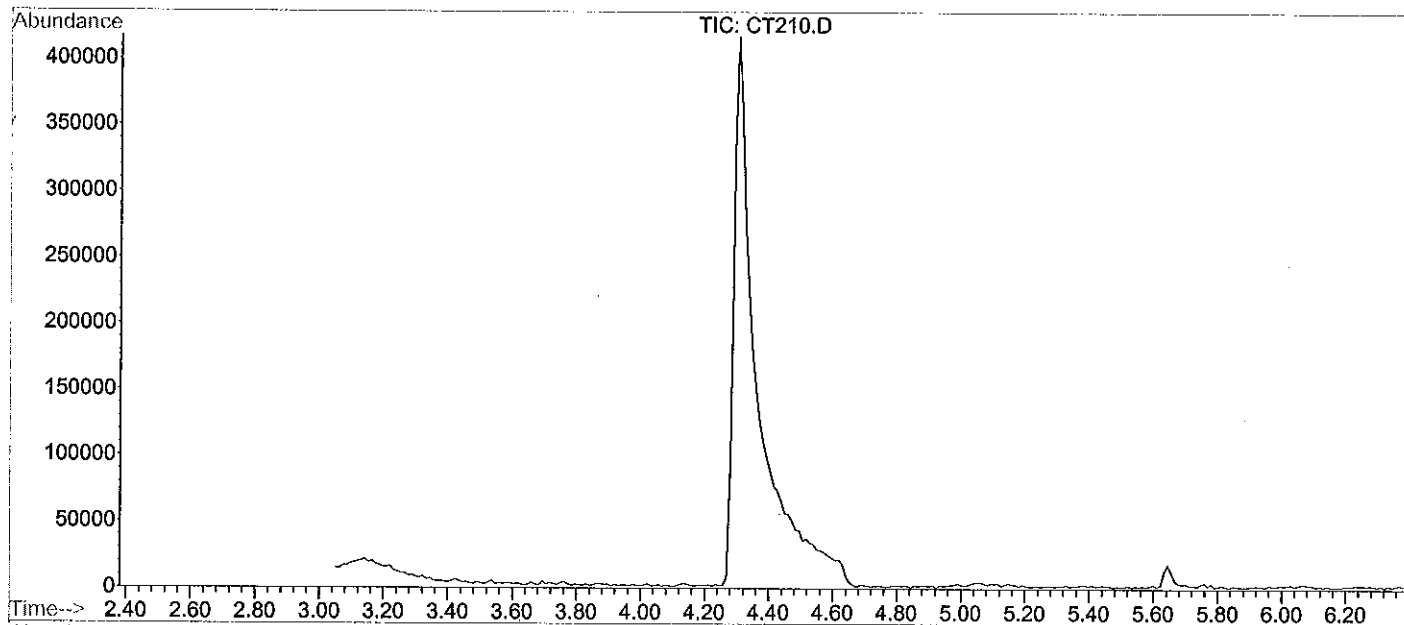
Title : Voa NBL Plus Calibration

Vial: 1

Operator:

Inst : GCMS-C

Multiplr: 1.00



Spectrum Information: Scan 119

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	4576	PASS
75	95	30	60	42.1	9910	PASS
95	95	100	100	100.0	23552	PASS
96	95	5	9	5.0	1189	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.3	19616	PASS
175	174	5	9	7.9	1549	PASS
176	174	95	101	98.2	19256	PASS
177	176	5	9	6.4	1237	PASS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

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

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: CB209.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: VBLK01

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: CB209.D

Level (low/med): _____

Date Received: _____

% Moisture: not dec. 100

Date Analyzed: 8/14/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

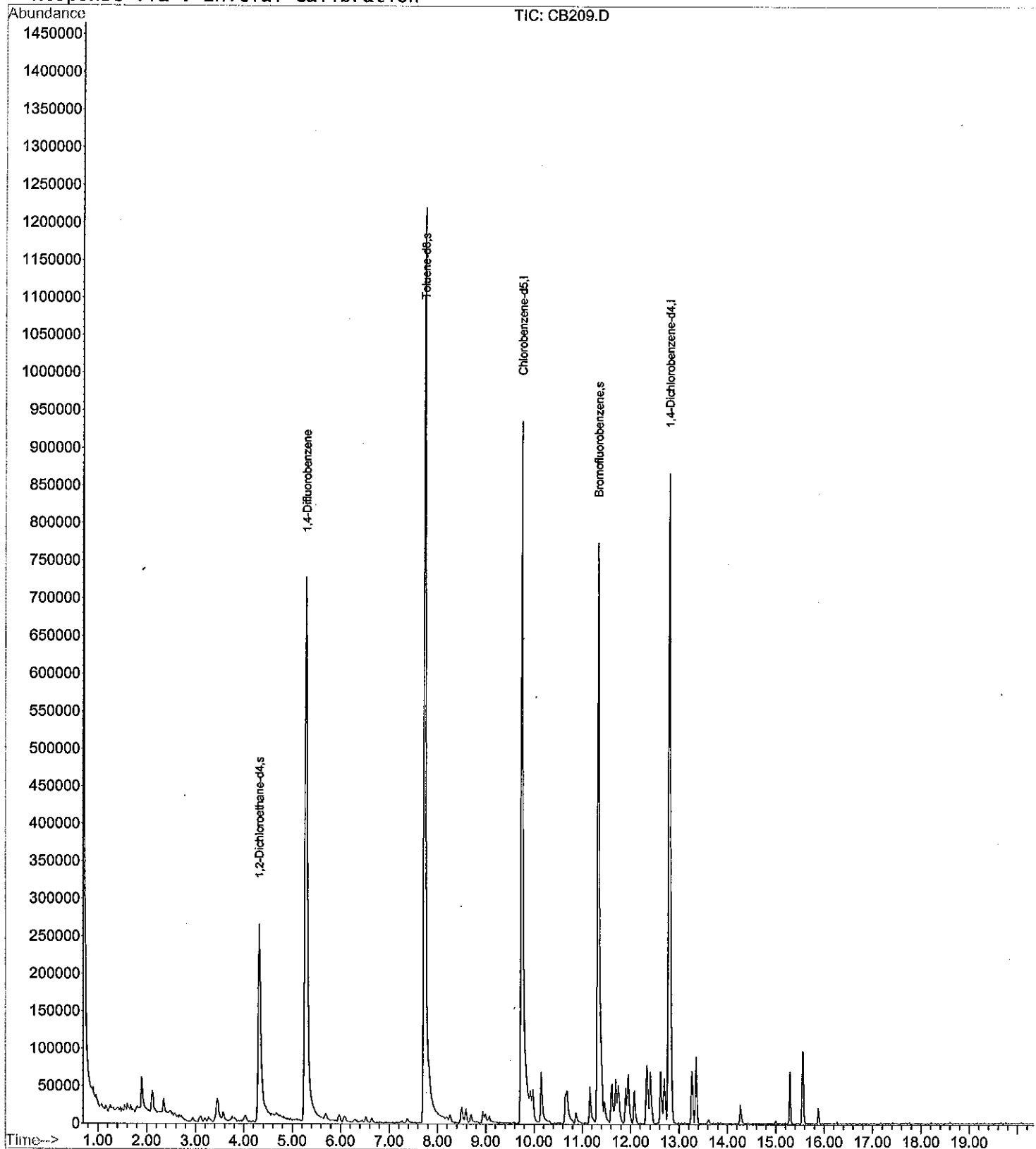
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090814\CB209.D
 Acq On : 14 Aug 2009 10:43 am
 Sample : VBLK
 Misc : MBLK EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 17 12:58 2009

Vial: 3
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090814\CB209.D
Acq On : 14 Aug 2009 10:43 am
Sample : VBLK
Misc : MBLK EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 17 12:58 2009

vial: 3
Operator:
Inst : GCMS-C
Multiplr: 1.00

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1327267	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	567977	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	577658	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	413448m	56.54	ug	-0.02
57) Toluene-d8	7.74	98	1400695	50.85	ug	-0.01
72) Bromofluorobenzene	11.32	95	475661	53.44	ug	-0.02

Target Compounds

Qvalue

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: VBLK02

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: CB210.D

Level (low/med): _____

Date Received: _____

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	5.0	U	
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	6.8		
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	5.0	U	
79-01-6	Trichloroethene	5.0	U	
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: AES, Inc.

Contract:

ENSR-Ward Products

Lab Code: AES

Case No.: EN0905

SAS No.:

SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: VBLK02

Sample wt/vol: 5.0 (g/mL) mL

Lab File ID: CB210.D

Level (low/med):

Date Received:

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	5.0	U	
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	5.0	U	
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

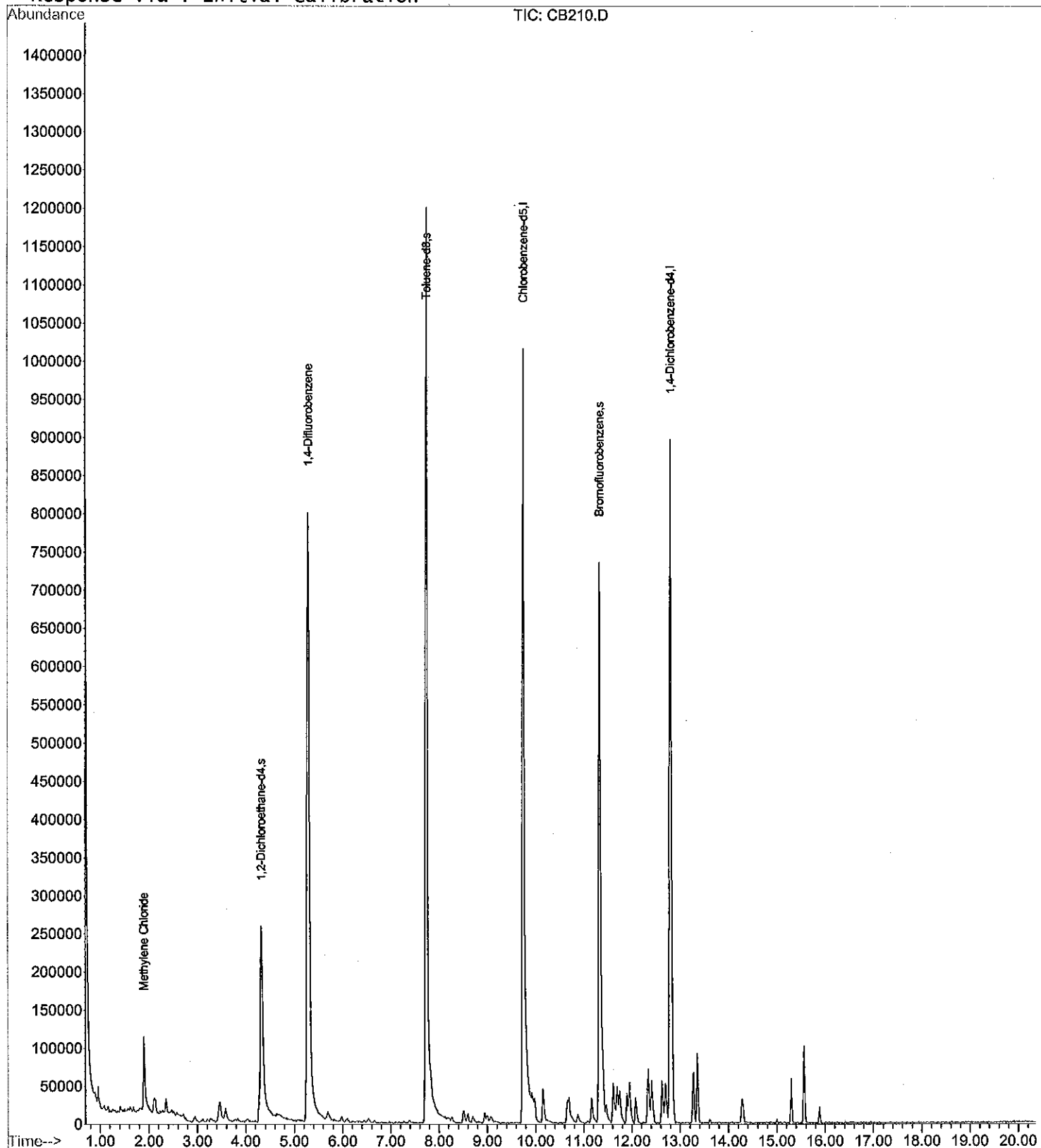
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\CB210.D
 Acq On : 17 Aug 2009 12:43 pm
 Sample : VBLK
 Misc : MBLK EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:46 2009

Vial: 3
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial calibration



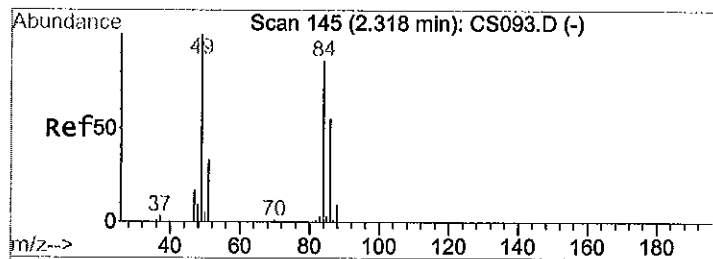
Data File : C:\HPCHEM\1\DATA\090817\CB210.D
Acq On : 17 Aug 2009 12:43 pm
Sample : VBLK
Misc : MBLK EPA_8260_WATER
MS Integration Params: LSCINT.P
Quant Time: Aug 18 9:46 2009

Vial: 3
Operator:
Inst : GCMS-C
Multiplr: 1.00

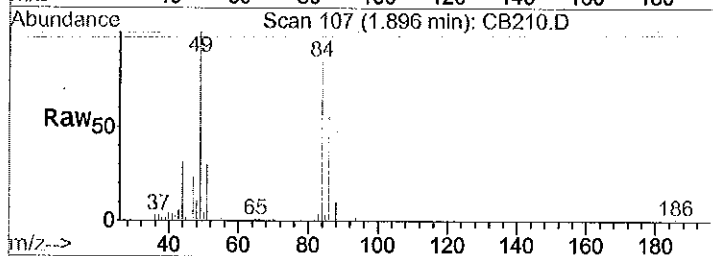
Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
Title : Voa NBL Plus Calibration
Last Update : Wed Aug 12 11:23:26 2009
Response via : Initial Calibration
DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1352320	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	597271	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	590672	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	417934m	56.09	ug	-0.02
57) Toluene-d8	7.74	98	1307789	45.15	ug	-0.01
72) Bromofluorobenzene	11.32	95	456697	50.18	ug	-0.02
Target Compounds						
16) Methylene Chloride	1.90	49	72052	6.78	ug	Qvalue 87

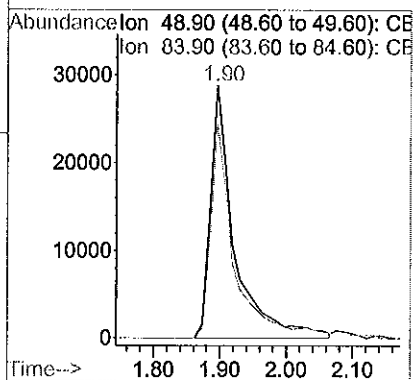
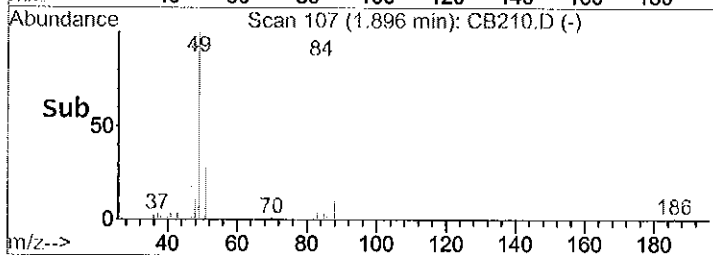


#16
Methylene Chloride
Concen: 6.78 ug
RT: 1.90 min Scan# 107
Delta R.T. -0.00 min
Lab File: CB210.D
Acq: 17 Aug 2009 12:43 pm



Tgt Ion: 49 Resp: 72052

Ion	Ratio	Lower	Upper
49	100		
84	83.5	76.7	115.1



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VMSB

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: VMSB

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3138.D

Level (low/med): _____

Date Received: _____

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	62		
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	6.8	B	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	61		
79-01-6	Trichloroethene	58		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VMSE

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

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

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3138.D

Level (low/med): _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	55		
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	57		
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

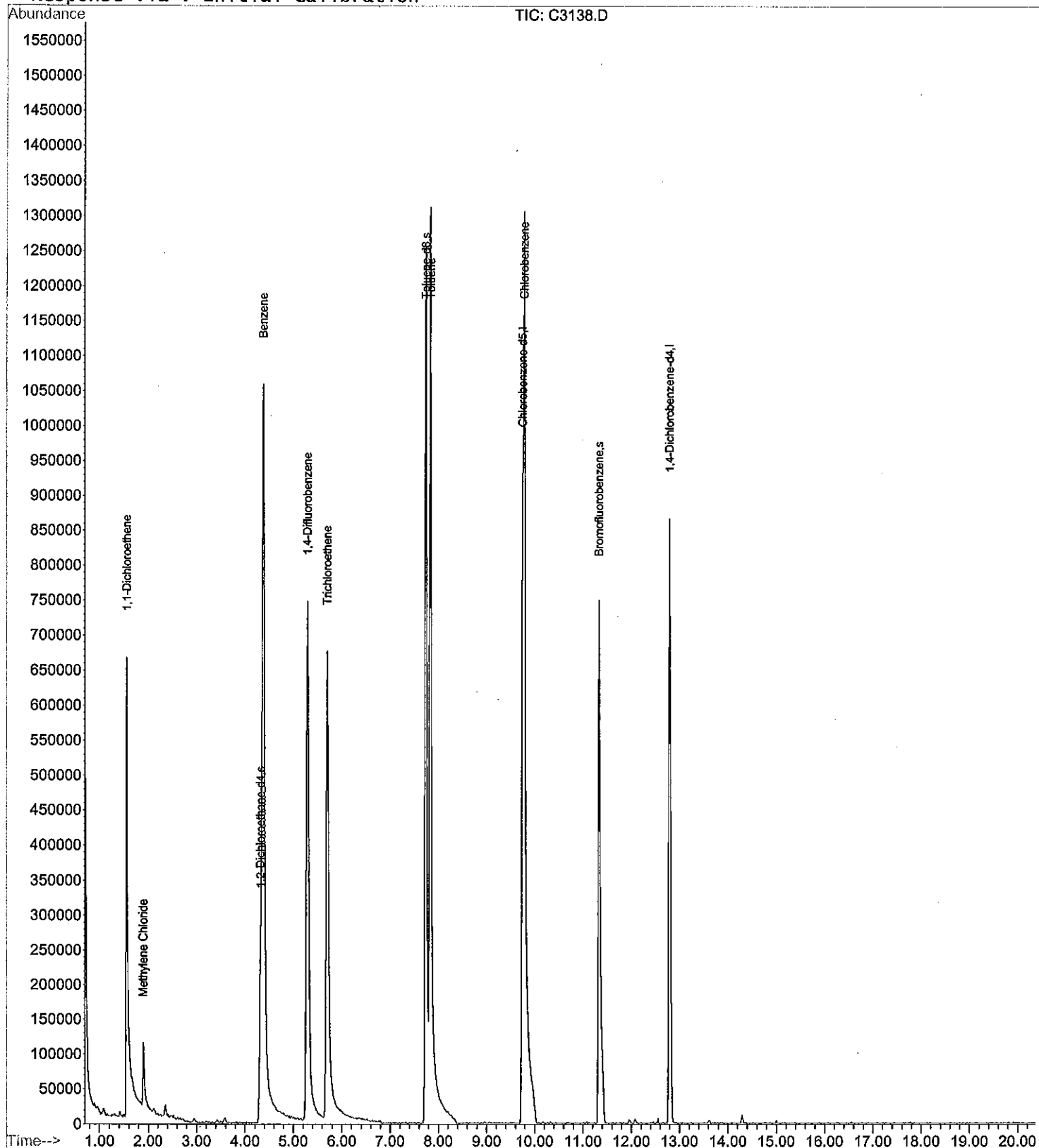
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3138.D
 Acq On : 17 Aug 2009 7:50 pm
 Sample : VMSB
 Misc : LCS EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:54 2009

Vial: 18
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090817\C3138.D

Vial: 18

Acq On : 17 Aug 2009 7:50 pm

Operator:

Sample : VMSB

Inst : GCMS-C

Misc : LCS EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 18 9:54 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1291103	50.00	ug	-0.02
36) Chlorobenzene-d5	9.74	82	544036	50.00	ug	-0.01
69) 1,4-Dichlorobenzene-d4	12.79	150	576335	50.00	ug	-0.02

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.32	65	422731	59.43	ug	-0.02
57) Toluene-d8	7.74	98	1423960	53.97	ug	-0.01
72) Bromofluorobenzene	11.32	95	492571	55.46	ug	-0.02

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1-Dichloroethene	1.56	96	393763	62.28	ug	# 76
16) Methylene Chloride	1.90	49	69397	6.84	ug	# 90
40) Benzene	4.38	78	1776972	60.77	ug	# 74
43) Trichloroethene	5.70	130	491059	58.48	ug	# 71
58) Toluene	7.84	91	1614723	55.29	ug	# 94
62) Chlorobenzene	9.78	112	1026108	57.33	ug	# 98

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14MS

Lab Name: AES, Inc.

Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: SDG No.: FGI-1

Matrix (soil/water): WATER

Lab Sample ID: 090813001-001AMS

Sample wt/vol: 5.0 (g/mL) ml

Lab File ID: C3136.D

Level (low/med):

Date Received: 8/12/09

% Moisture: not dec. 100

Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	58		
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	55		
79-01-6	Trichloroethene	54		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14MS

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-001AMS

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3136.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone	10	U	
108-88-3	Toluene	51		
127-18-4	Tetrachloroethene	5.0	U	
591-78-6	2-Hexanone	10	U	
108-90-7	Chlorobenzene	51		
100-41-4	Ethyl Benzene	5.0	U	
126777-61-2	m,p-Xylenes	5.0	U	
95-47-6	o-Xylene	5.0	U	
100-42-5	Styrene	5.0	U	
98-82-8	Isopropylbenzene	5.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	
541-73-1	1,3-Dichlorobenzene	5.0	U	
106-46-7	1,4-Dichlorobenzene	5.0	U	
95-50-1	1,2-Dichlorobenzene	5.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	

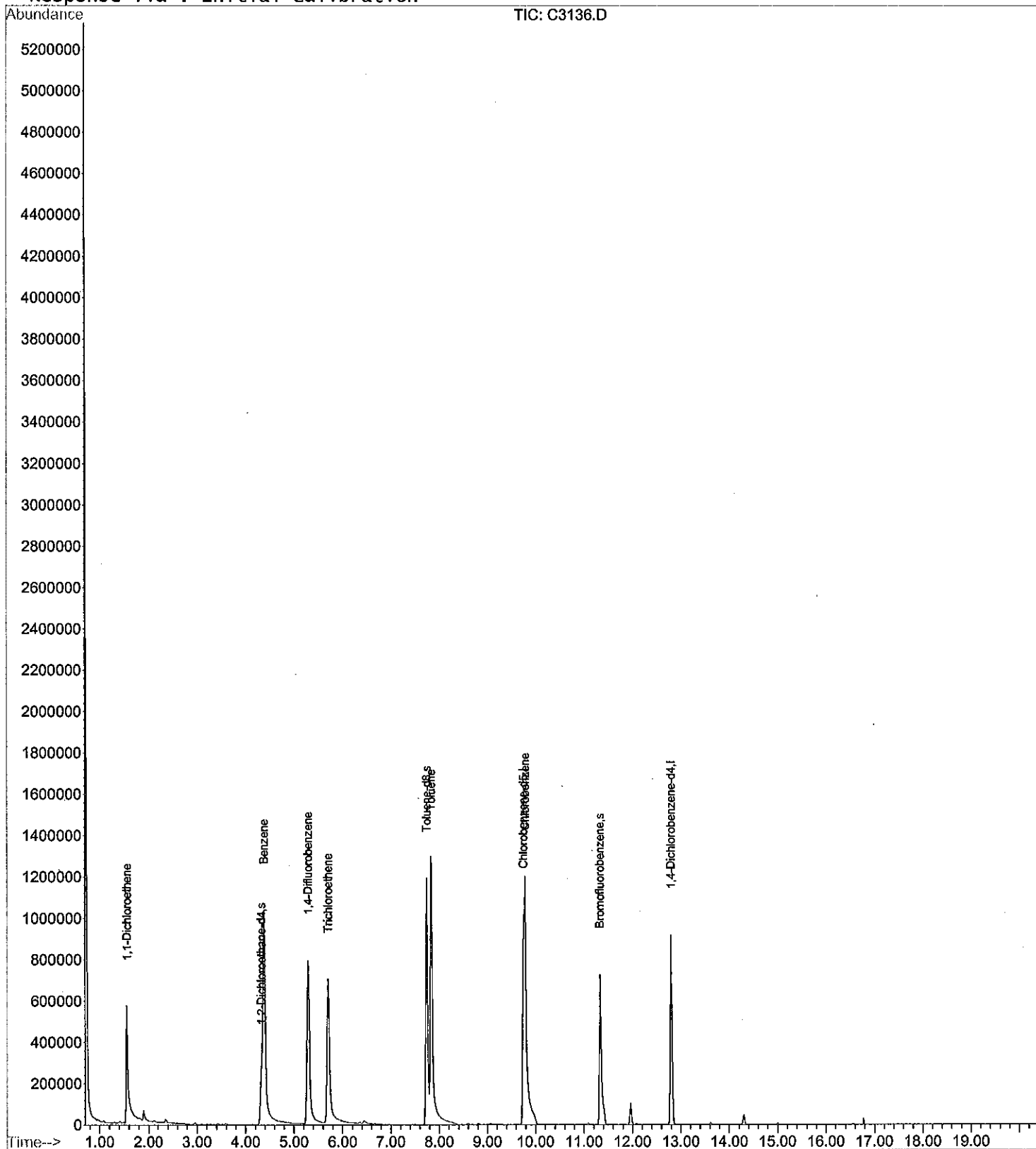
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3136.D
 Acq On : 17 Aug 2009 6:53 pm
 Sample : 090813001-001AMS
 Misc : MS EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 9:52 2009

Vial: 16
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090817\C3136.D

Vial: 16

Acq On : 17 Aug 2009 6:53 pm

Operator:

Sample : 090813001-001AMS

Inst : GCMS-C

Misc : MS EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 18 9:52 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1434409	50.00	ug	-0.02
36) Chlorobenzene-d5	9.75	82	585279	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.79	150	597652	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	410490	51.94	ug	-0.02
57) Toluene-d8	7.74	98	1339748	47.20	ug	0.00
72) Bromofluorobenzene	11.33	95	456683	49.59	ug	-0.02
Target Compounds						
9) 1,1-Dichloroethene	1.56	96	404571	57.60	ug	# 75
40) Benzene	4.38	78	1733254	55.10	ug	# 77
43) Trichloroethene	5.70	130	488351	54.06	ug	# 74
58) Toluene	7.83	91	1596098	50.80	ug	95
62) Chlorobenzene	9.78	112	977697	50.78	ug	99

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14MSD

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-001AMSD

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3137.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	5.0	U	
75-35-4	1,1-Dichloroethene	60		
76-13-1	1,1,2-Trichloro-1,2,2-tri	5.0	U	
75-15-0	Carbon disulfide	5.0	U	
67-64-1	Acetone	10	U	
79-20-9	Methyl Acetate	5.0	U	
75-09-2	Methylene Chloride	5.0	U	
156-60-5	trans-1,2-Dichloroethene	5.0	U	
1634-04-4	Methyl tert-butyl Ether	5.0	U	
75-34-3	1,1-Dichloroethane	5.0	U	
156-59-2	cis-1,2-Dichloroethene	5.0	U	
74-97-5	Bromochloromethane	5.0	U	
67-66-3	Chloroform	5.0	U	
110-82-7	Cyclohexane	5.0	U	
107-06-2	1,2-Dichloroethane	5.0	U	
78-93-3	2-Butanone	10	U	
108-87-2	Methyl Cyclohexane	5.0	U	
71-55-6	1,1,1-Trichloroethane	5.0	U	
56-23-5	Carbon Tetrachloride	5.0	U	
71-43-2	Benzene	57		
79-01-6	Trichloroethene	57		
78-87-5	1,2-Dichloropropane	5.0	U	
75-27-4	Bromodichloromethane	5.0	U	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	
79-00-5	1,1,2-Trichloroethane	5.0	U	
124-48-1	Dibromochloromethane	5.0	U	
106-93-4	1,2-Dibromoethane	5.0	U	
75-25-2	Bromoform	5.0	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14MSD

Lab Name: AES, Inc. Contract: ENSR-Ward Products

Lab Code: AES Case No.: EN0905 SAS No.: _____ SDG No.: FGI-1

Matrix (soil/water): WATER Lab Sample ID: 090813001-001AMSD

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: C3137.D

Level (low/med): _____ Date Received: 8/12/09

% Moisture: not dec. 100 Date Analyzed: 8/17/09

GC Column: DB624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		53	
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		10	U
108-90-7	Chlorobenzene		55	
100-41-4	Ethyl Benzene		5.0	U
126777-61-2	m,p-Xylenes		5.0	U
95-47-6	o-Xylene		5.0	U
100-42-5	Styrene		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U

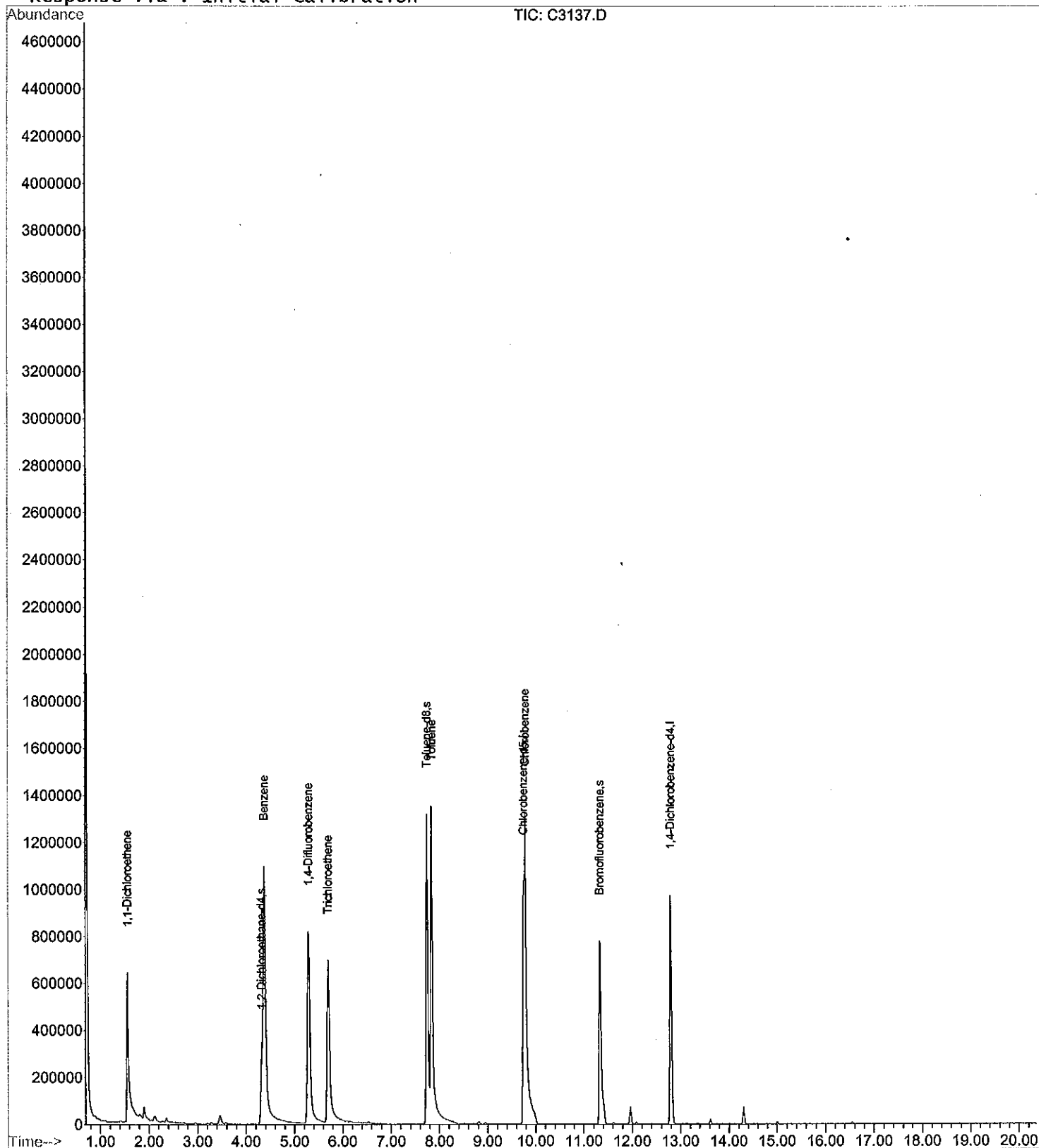
Quantitation Report

Data File : C:\HPCHEM\1\DATA\090817\C3137.D
 Acq On : 17 Aug 2009 7:21 pm
 Sample : 090813001-001AMSD
 Misc : MSD EPA_8260_WATER
 MS Integration Params: LSCINT.P
 Quant Time: Aug 18 10:22 2009

Vial: 17
 Operator:
 Inst : GCMS-C
 Multiplr: 1.00

Quant Results File: NBL9.RES

Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)
 Title : Voa NBL Plus Calibration
 Last Update : Mon Aug 31 14:07:59 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\090817\C3137.D

Vial: 17

Acq On : 17 Aug 2009 7:21 pm

Operator:

Sample : 090813001-001AMSD

Inst : GCMS-C

Misc : MSD EPA_8260_WATER

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Aug 18 10:22 2009

Quant Results File: NBL9.RES

Quant Method : C:\HPCHEM\1\METHODS\NBL9.M (RTE Integrator)

Title : Voa NBL Plus Calibration

Last Update : Wed Aug 12 11:23:26 2009

Response via : Initial Calibration

DataAcq Meth : METH0C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.29	114	1462813	50.00	ug	-0.02
36) Chlorobenzene-d5	9.75	82	592695	50.00	ug	0.00
69) 1,4-Dichlorobenzene-d4	12.79	150	630676	50.00	ug	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.32	65	441358	54.76	ug	-0.02
57) Toluene-d8	7.74	98	1506834	52.43	ug	0.00
72) Bromofluorobenzene	11.32	95	511210	52.60	ug	-0.02
Target Compounds						
9) 1,1-Dichloroethene	1.56	96	427024	59.62	ug	Qvalue # 74
40) Benzene	4.38	78	1821643m	57.18	ug	
43) Trichloroethene	5.70	130	519121	56.75	ug	# 70
58) Toluene	7.84	91	1694247	53.25	ug	# 94
62) Chlorobenzene	9.78	112	1070931	54.92	ug	99

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

C3137.D NBL9.M Tue Sep 01 14:24:21 2009

CLP

SAMPLE CALCULATIONS FOR VOLATILE ORGANICS:

1) RRF of Trichloroethene from the VSTD050 analyzed on 8/14/09:

$$= \frac{\text{area of Trichloroethene in std.}}{\text{area of internal std}} \times \frac{\text{concentration of internal standard.}}{\text{concentration of standard}}$$

$$= \frac{396482}{461551} \times \frac{50}{50} = 0.859$$

Average response factor for Trichloroethene in the initial calibration = 0.772

2) Amount of Trichloroethene in sample MW-5 (AES sample number 090813001-012):

$$\text{ug/L} = \frac{\text{area of Trichloroethene in sample}}{\text{area of internal standard in sample}} \times \frac{\text{amount of internal std. (ng)}}{(\text{ml of sample purged})(\text{RRF})}$$

$$= \frac{908790}{477280} \times \frac{(250)}{(5.0)(0.772)} = 123.3 \text{ ug/L}$$

which is reported as 120 ug/L on the Form I for Volatile Organics

3) Calculation of spike recovery for Trichloroethene in sample MW-14 MS:

$$\text{Percent spike recovery} = \frac{\text{quantity determined by analysis}}{\text{quantity added to sample}} \times 100$$

$$\% \text{ recovery of Trichloroethene} = \frac{(54.1 - 0.0)}{50.0} \times 100 = 108.2 \%$$

Analyst	Date	Time	File ID	Sample ID	DF	pH	QA/QC Checks		Comments
							Surrogate Check	Internal Std Check	
ML	8/14/09	9:53am	CT209	BFB-pure	OR	saved			
		3	C5209	VSTD050					
BFB=VIA	9-30F	✓	C6209	VLK			OK	OK	
F=	-30E	✓	C3100	081200-1A	5ml	1	OK	OK	
S=	-31D	✓	C3101	-2A		1	OK	OK	TCE=383
OME	-34B	✓	C3102	-3A		1	OK	OK	TCE=280
A=	-34E	✓	C3103	-4A		1	OK	OK	TCE=2446
B=	-35C	✓	C3104	-5A		1	OK	OK	TCE=4788
		1:33pm	C3105	-2A	1/2		OK	OK	TCE=253
1145380		✓	C3106	-3A			OK	OK	=146
461551		✓	C3107	-4A	1/20		OK	OK	TCE=197
424402		✓	C3108	-1A	1/50		OK	OK	=211
		✓	C3109	-2A	1/2		OK	OK	=193
		✓	C3110	081300-1A	5ml	1	OK	OK	
		✓	C3111	-2A		1	OK	OK	
		✓	C3112	-3A		1	OK	OK	
		✓	C3113	-4A		1	OK	OK	
		✓	C3114	-5A		1	OK	OK	TCE=2284
		✓	C3115	-6A		1	OK	OK	TCE=135
		✓	C3116	-7A		1	OK	OK	TCE=879
		✓	C3117	-8A		1	OK	OK	TCE=6
		✓	C3118	-9A		1	OK	OK	TCE=459
		✓	C3119	-10A		1	OK	OK	=533
		✓	C3120	081200-1A	1/100		OK	OK	TCE=102
		✓	C3121	081300-1A	5ml	1	OK	OK	
		✓	C3122	-2A		1	OK	OK	TCE=123
		✓	C3123	081405-1A	0.5g		OK	OK	TCEP

REVIEW

DATE

: 00158

43779 2/259

Analyst	Date	Time	File ID	Sample ID	DF	pH	QA/QC Checks		Comments
							Surrogate Check	Internal Std Check	
ML	8/17/09	1153am	CT210	BFB-purged - OK saved					
			3 C5210	VSTD050					
BFB-V0A-9-30F		QX4	C3120	VBK			OK	OK	
F=	-30E	QX5	C3124	0813001-5A 1/20	1		OK	OK	TCE=171
S=	-31D	QX6	C3125	-6A 5ml	1		OK	OK	TCE=113
UM=	-34B	QX7	C3126	-7A 1/10	1		OK	OK	TCE=100
A=	-34A	QX8	C3127	-8A 5ml	1		OK	OK	
B=	-35C	QX9	C3128	-9A 1/5	1		OK	OK	TCE=98
MS=	-30C	QX10	C3129	-10A ↓	1		OK	OK	TCE=119
1032047		QX11	C3130	-13A 1/2	1		OK	OK	TCE=19
466624		QX12	C3131	-14A ↓	1		OK	OK	=36
435096		QX13	C3132	-15A ↓	1		OK	OK	
		QX14	C3133	-16A 5ml	1		OK	OK	
		QX15	C3134	-17A ↓	1		OK	OK	TCE=3168
		QX16	C3135	-18A ↓	1		OK	OK	TCE=635
		QX17	C3136	-19MS			OK	OK	
		QX18	C3137	-19MSD ↓			OK	OK	
		QX19	C3138	VMSB			OK	OK	
		QX20	C3139	0813037-1A 5ml	1		OK	OK	
		QX21	C3140	-2A	1		OK	OK	TCE=64
		QX22	C3141	-3A	1		OK	OK	TCE=8
		QX23	C3142	-4A	1		OK	OK	
		QX24	C3143	-5A ↓	1		OK	OK	TCE=132
		QX25	C3144	0813001-13A ↓			OK	OK	TCE=39
		QX26	C3145	-14A ↓			OK	OK	TCE=103
		QX27	C3146	VSTD050	3.1		OK	OK	

REVIEW

DATE : 00159