# SITE INVESTIGATION REPORT

## Petrocelli Electric Co., Inc. Facility
## 2209 Queens Bridge Plaza North
## Long Island City
## Borough of Queens, New York

## Spill No. 0330001

## December 7, 2010

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

1913 Atlantic Avenue, Suite R5
Manasquan, New Jersey 08736
Tel: (732) 223-2225
Fax: (732) 223-3666
www.brinkenv.com

PROJECT NO. 10BR060

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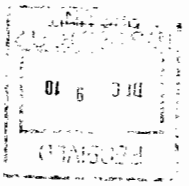

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## 2209 Queens Bridge Plaza North
## Long Island City
## Borough of Queens, New York

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### 1.0 TECHNICAL OVERVIEW

In April of 2003, the New York State Department of Environmental Conservation (NYSDEC) was notified of free phase petroleum product discovered in a groundwater monitoring well at the site identified as Petrocelli Electric Co., Inc. (Petrocelli) located at 2209 Queens Plaza North, Long Island City, Borough of Queens, New York. The location of the site is shown on Figure 1 – Site Location Map. The free phase petroleum product was reported to have been present in Monitoring Well MW-6. The location of the well is shown on Figure 2 – Site Plan.

Prior to the discovery of the free phase petroleum product, a remedial action was conducted at the site. In September of 2002, a Progress Report was submitted to NYSDEC by EnSolutions, Inc. (EnSolutions) requesting termination of the soil vapor extraction/air sparging remediation being conducted at the site. At this time, only low level dissolved petroleum compounds were being detected in the monitoring wells at the site. A copy of the EnSolutions report is provided in Appendix I.

After discovery of the free phase petroleum product, EnSolutions prepared a Request for No Further Action (NFA) dated March 31, 2003, a copy of which is provided in Appendix II. In said Request for NFA, information was provided of a failed initial tank integrity test. According to the report, on February 6, 2003, based upon a discrepancy in the Veedor-Root monitoring system, a failure of the Stage II vapor recovery line of one (1) of the unleaded gasoline underground storage tanks (USTs) present within the tankfield was reported. NYSDEC was reportedly notified and Spill No. 0211175 was assigned. The USTs were later tightness tested and the system passed.

The EnSolution Request for NFA also reported that a fingerprint analysis of the free phase product was conducted. The fingerprint analysis showed the product to be either diesel or fuel oil and not gasoline.

In March of 2003, EnSolutions conducted enhanced fluid recovery on MW-6 to remove free phase product. A total of 234 gallons of product and water from the well was removed and disposed.

On February 11, 2010, NYSDEC issued correspondence to Petrocelli requesting that further investigations be conducted to determine the source of the free phase product once present at the site. Brinkerhoff Environmental Services, Inc. (Brinkerhoff) was retained to conduct a groundwater investigation to evaluate the possible source of the former free phase product.

In September of 2010, Brinkerhoff submitted a Groundwater Investigation Report (GIR) outlining the findings of the investigation conducted. Two (2) additional groundwater monitoring wells were installed and samples were collected. Three (3) additional on-site monitoring wells were gauged, including MW-6, and no free phase product was present.

After review of Brinkerhoff's GIR, NYSDEC responded in a September 22, 2010 e-mail. NYSDEC requested that additional work be completed to determine the source of the former free phase petroleum product. The work requested included gauging and sampling all on-site wells, preparation of a site map showing the locations of the USTs, piping and dispensers, and calculating the direction of groundwater flow using all available data points.

The following Site Investigation Report presents the findings of the investigative work completed by Brinkerhoff.

## 2.0 SITE CHARACTERIZATION

The site is utilized as administrative and maintenance facilities for the Petrocelli located at 2209 Queens Bridge Plaza North, between 22nd and 23rd Streets, Long Island City, Borough of Queens, New York. The UST tankfield contains three (3) 4,000-gallon USTs. Two (2) of the USTs contain unleaded gasoline and the third UST contains diesel fuel. There are approximately 40 feet of product piping leading to two (2) dispenser islands beneath two (2) canopies. Refer to Figure 2 for locations of these features.

Eight (8) of the nine (9) monitoring wells present at the site were found during the investigation. Only Monitoring Well MW-5 could not be located. The locations of the wells are also shown on Figure 2. The area surrounding the site is primarily commercial, with some residential units.

## 3.0 GROUNDWATER INVESTIGATION

### 3.1 Groundwater Gauging and Flow Direction

Suggestions were previously presented that the free phase petroleum product previously present in MW-6 may have been from an off-site source. In order to determine if this was possible, an accurate calculation of groundwater flow was required.

On October 28, 2010, a licensed Land Surveyor determined the casing elevation of each of the groundwater monitoring wells to an arbitrary on-site benchmark. Copies of the Land Surveyor's certification forms are provided in Appendix III. Using this casing elevation data and gauging data collected on the same date, an accurate groundwater flow direction was then calculated.

Prior to sample collection, depth to groundwater and presence/absence of free phase petroleum product was determined using an interface probe capable of detecting free phase product thickness of 0.01 feet. No free phase product was detected. Groundwater gauging data are presented in Table 1.

**Table 1**
**Well Gauging Data**
**Petrocelli Electric Co., Inc.**
**October 28, 2010**
(Measurements in feet.)

| WELL | CASING ELEVATION | DEPTH TO WATER | PRODUCT | GROUNDWATER ELEVATION |
|---|---|---|---|---|
| **MW-1** | 50.80 | 9.35 | ND | 41.45 |
| **MW-2** | 50.00 | 8.49 | ND | 41.51 |
| **MW-3** | 50.55 | 9.03 | ND | 41.52 |
| **MW-4** | *** | 8.95 | ND | *** |
| **MW-5** | NF | NF | NF | NF |
| **MW-6** | 51.03 | 9.02 | ND | 42.01 |
| **MW-7** | 50.30 | 8.98 | ND | 41.41 |
| **MW-8** | 51.76 | 10.04 | ND | 41.72 |
| **MW-9** | 52.03 | 10.24 | ND | 41.79 |

ND – Not detected; *** - Sparge point was surveyed by mistake rather than MW-4; therefore, survey data could not be utilized; NF – Well not found.

Using groundwater data collected on October 28, 2010, groundwater flow direction was calculated to be toward the south to southwest as shown on Figure 3 – Groundwater Contour Map - 10/28/2010. This flow direction suggests the free phase product once found in MW-6 was not from an off-site source, but rather from the existing UST system. Well MW-6 is located downgradient of the USTs and product piping.

### 3.2 Groundwater Sampling

On October 28, 2010, Brinkerhoff performed groundwater sampling of MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, and MW-9. MW-5 could not be located.

Prior to sampling, three (3) to five (5) volumes of water were purged from each well via a submersible pump with dedicated polytubing. As a precaution, purge water was filtered through activated carbon filtration containers before being discharged to the subject property. Field readings, including depth to water, temperature, pH (potential of hydrogen), dissolved oxygen and specific conductivity were taken prior to and after purging and prior to sampling. Headspace readings were collected with a PID (photoionization detector) prior to purging. Monitoring Well Sampling Data Forms are provided in Appendix IV.

Samples were collected with disposable bailers and transferred to laboratory-supplied glassware. The sample bottles were placed in a cooler on ice, transported to Brinkerhoff's office, and placed in a designated refrigerator until picked up by the Integrated Analytical Laboratories, LLC (Integrated), a New York Department of Health certified laboratory, Certification No. 11011. The samples were transported and analyzed within required holding times.

Each sample was analyzed for volatile organic compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260 and semivolatile organic compounds (SOCs) via USEPA Method 8270.

### 3.3 Groundwater Sampling Results

Laboratory analytical results for Monitoring Wells MW-2, MW-3, MW-4 and MW-6 reported elevated concentrations of benzene of 10.1, 12.9, 4.78, and 2.33 parts per billion (ppb), respectively, exceeding NYSDEC's Groundwater Quality Standards (GWQS) as outlined in Part 703: Surface Water and GWQS of 0.7 ppb. Total xylenes were reported over GWQS in Monitoring Well MW-6 at 33.9 ppb; 2-methylnaphthalene was reported over GWQS in MW-6 at 82.5 ppb.

Other non-petroleum-related compounds, such as chlorobenzene and tetrachloroethene (PCE), were reported over GWQS in MW-8 and MW-9. A summary of laboratory analytical results is provided in Table 2. Laboratory analytical data are provided in Appendix V.

A benzene isopleths map was prepared using the groundwater sampling data. Said map shows a small dissolved phase plume migrating toward the southwest. Refer to Figure 4 – Benzene Isopleth Contour Map – 10/28/10. A smaller dissolved plume is present toward the south. Both appear to be related to the existing tankfield.

The chlorinated compounds chlorobenzene and PCE are likely from an off-site source. These contaminants were detected in the wells on the eastern edge of the property.

## 4.0 SUMMARY AND RECOMMENDATIONS

In April of 2003, NYSDEC was notified of free phase petroleum product discovered in Monitoring Well MW-6 at the Petrocelli facility. Prior to discovery of the product, a remedial action using soil vapor extraction and air sparging was completed in 2002.

On February 6, 2003, prior to discovery of the product, a failure of the Stage II vapor recovery line of one (1) of the unleaded gasoline USTs present within the tankfield was reported. NYSDEC was reportedly notified and Spill No. 0211175 was assigned. The USTs were later tightness tested and the system passed.

After discovery of the free phase petroleum product, the product was fingerprinted and found to be diesel or fuel oil and not gasoline. EnSolutions also conducted a remedial action at MW-6. Enhanced fluid recovery was used to remove product and water from that well.

It was previously suspected that the free phase petroleum product may have been from an off-site source. Based upon the most recent groundwater contour map, it appears the product was from the existing USTs or product piping. Free phase petroleum product is no longer present in MW-6 or in any of the other wells present on the property.

A small dissolved phase plume migrating toward the southwest was identified during this investigation. A smaller dissolved plume is present toward the south. Both plumes are limited in concentration and extent and appear to be related to the existing tankfield.

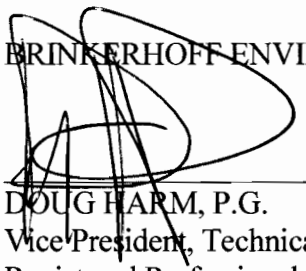
Based upon the findings of this investigation, it appears the contaminants detected in the groundwater are not from an ongoing discharge from the existing UST system. The dissolved phase concentration of gasoline-related compounds is low and no free phase petroleum product remains in the monitoring wells.

Since data suggests no ongoing discharge from the USTs and only low level dissolved phase petroleum compounds remain in the groundwater, natural attenuation of the remaining petroleum-related compounds in the subsurface is recommended. Immediately downgradient of the site are commercial/industrial properties; therefore, vapor intrusion issues should not be of concern. The chlorinated compounds detected in specific wells on the site are not known contaminants of concern associated with the site. Therefore, the chlorinated compounds may be from an off-site source and not related to the subject site.

NFA is proposed at this time with natural attenuation as the remedial option for the contaminants that remain in the subsurface at the subject site.

This report has been prepared and is respectfully submitted by

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.



12/7/10

DOUG HARM, P.G. Date
Vice President, Technical Services
Registered Professional Geologist

**Table 2**
**Petrocelli Electric Company Inc.**
**22-09 Queens Bridge Plaza North, Long Island City, NY**
**Groundwater Sampling Results October 28, 2010**

| Sample | MW-1 | | MW-2 | | MW-3 | | MW-4 | | MW-5 | | MW-6 | | MW-7 | | MW-8 | | MW-9 | | NYDEC Grounwater Quality Criteria |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 10/28/2010 | | 10/28/2010 | | 10/28/2010 | | 10/28/2010 | | | | 10/28/2010 | | 10/28/2010 | | 10/28/2010 | | 10/28/2010 | | |
| Casing Elevation (feet) | 50.8 | | 50 | | 50.55 | | 50.68 | | 50.72 | | 51.03 | | 50.3 | | 51.76 | | 52.03 | | |
| Depth to Groundwater (feet) | 9.35 | | 8.49 | | 9.03 | | 8.95 | | NA | | 9.02 | | 8.98 | | 10.04 | | 10.24 | | |
| Difference | 41.45 | | 41.51 | | 41.52 | | 41.73 | | | | 42.01 | | 41.32 | | 41.72 | | 41.79 | | |
| Units | ug/L | MDL | ug/L | MDL | ug/L | MDL | ug/L | MDL | | | ug/L | MDL | ug/L | MDL | ug/L | MDL | ug/L | MDL | |
| **Volatile Organic list (ppb)** | | | | | | | | | | | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.320 | 12.8 | 0.320 | 1.96 | 0.320 | ND | 0.320 | NS | NS | 13.5 | 0.640 | ND | 0.320 | 0.419 | 0.320 | 1.34 | 0.320 | (NA) 10 |
| Benzene | ND | 0.370 | **10.1** | 0.370 | **12.9** | 0.370 | **4.78** | 0.370 | NS | NS | **2.33** | 0.740 | ND | 0.370 | ND | 0.370 | ND | 0.370 | 0.7 1 |
| Toluene | ND | 0.280 | 0.301 | 0.280 | 1.84 | 0.280 | 0.427 | 0.280 | NS | NS | 1.21 | 0.560 | ND | 0.280 | ND | 0.280 | ND | 0.280 | 5 |
| Chloromethane | ND | 0.270 | ND | 0.270 | 0.556 J | 0.270 | ND | 0.270 | NS | NS | 0.938 J | 0.540 | ND | 0.270 | ND | 0.270 | ND | 0.270 | NA 5 |
| Acetone | 14.6 | 0.640 | 11.4 | 0.640 | 35.5 | 0.640 | 22.2 | 0.640 | NS | NS | ND | 1.28 | ND | 0.640 | ND | 0.640 | ND | 0.640 | 50 |
| Trichloroethene | ND | 0.380 | ND | 0.380 | ND | 0.380 | ND | 0.380 | NS | NS | ND | 0.760 | ND | 0.380 | 1.12 | 0.380 | 0.959 J | 0.380 | 5 |
| Tetrachloroethene | ND | 0.330 | ND | 0.330 | ND | 0.330 | ND | 0.330 | NS | NS | ND | 0.660 | ND | 0.330 | **12.4** | 0.330 | **5.24** | 0.330 | 5 |
| Chlorobenzene | ND | 0.430 | **6.54** | 0.430 | 4.36 | 0.430 | 3.28 | 0.430 | NS | NS | ND | 0.860 | ND | 0.430 | ND | 0.430 | ND | 0.430 | 5 |
| 1,3-Dichlorobenzene | ND | 0.340 | ND | 0.340 | ND | 0.340 | ND | 0.340 | NS | NS | 1.69 J | 0.680 | ND | 0.340 | ND | 0.340 | ND | 0.340 | 5 |
| 1,4-Dichlorobenzene | ND | 0.370 | 0.626 J | 0.370 | ND | 0.370 | ND | 0.370 | NS | NS | 4.96 | 0.740 | ND | 0.370 | ND | 0.370 | ND | 0.370 | 5 |
| Cyclohexane | ND | 0.550 | ND | 0.550 | ND | 0.550 | 51.6 | 0.550 | NS | NS | 11.6 | 1.10 | ND | 0.550 | ND | 0.550 | ND | 0.550 | NA |
| Methylcyclohexane | 15.5 | 0.520 | 4.13 | 0.520 | 3.53 | 0.520 | 38.3 | 0.520 | NS | NS | 13.5 | 1.04 | ND | 0.520 | ND | 0.520 | ND | 0.520 | NA |
| Ethylbenzene | 0.726 | 0.380 | 0.388 | 0.380 | ND | 0.380 | 3.37 | 0.380 | NS | NS | 0.912 | 0.760 | ND | 0.380 | ND | 0.380 | ND | 0.380 | 5 |
| Total Xylenes | ND | 0.790 | ND | 0.790 | ND | 0.790 | 2.36 | 0.790 | NS | NS | **33.9** | 1.58 | ND | 0.790 | ND | 0.790 | ND | 0.790 | 5 |
| Isopropylbenzene | 15.2 | 0.340 | 16.7 | 0.340 | ND | 0.340 | 6.31 | 0.340 | NS | NS | 12.8 | 0.680 | ND | 0.340 | ND | 0.340 | ND | 0.340 | (NA) 5 |
| n-Propylbenzene | 36.3 | 0.360 | 18.4 | 0.360 | ND | 0.360 | 7.74 | 0.360 | NS | NS | 28.2 | 0.720 | ND | 0.360 | ND | 0.360 | ND | 0.360 | (NA) 5 |
| 1,3,5-Trimethylbenzene | ND | 0.310 | ND | 0.310 | ND | 0.310 | ND | 0.310 | NS | NS | 15.4 | 0.620 | ND | 0.310 | ND | 0.310 | ND | 0.310 | (NA) 5 |
| tert-Butylbenzene | 0.663 | 0.340 | ND | 0.340 | ND | 0.340 | 1.39 | 0.340 | NS | NS | ND | 0.680 | ND | 0.340 | ND | 0.340 | ND | 0.340 | (NA) 5 |
| 1,2,4-Trimethylbenzene | 0.625 | 0.380 | ND | 0.380 | ND | 0.380 | ND | 0.380 | NS | NS | 47.5 | 0.760 | ND | 0.380 | ND | 0.380 | ND | 0.380 | (NA) 5 |
| sec-Butylbenzene | 5.16 | 0.340 | 3.07 | 0.340 | ND | 0.340 | 2.60 | 0.340 | NS | NS | 6.86 | 0.680 | ND | 0.340 | ND | 0.340 | ND | 0.340 | (NA) 5 |
| 4-Isopropyltoluene | ND | 0.360 | 1.25 | 0.360 | ND | 0.360 | 0.441 | 0.360 | NS | NS | 2.19 | 0.720 | ND | 0.360 | ND | 0.360 | ND | 0.360 | (NA) 5 |
| n-Butylbenzene | 2.26 | 0.380 | 0.594 | 0.380 | ND | 0.380 | 0.667 | 0.380 | NS | NS | 7.42 | 0.760 | ND | 0.380 | ND | 0.380 | ND | 0.380 | (NA) 5 |
| Naphthalene | 1.30 | 0.290 | 0.359 | 0.290 | 0.336 | 0.290 | 5.23 | 0.290 | NS | NS | 3.20 | 0.580 | ND | 0.290 | ND | 0.290 | ND | 0.290 | 10 |
| **Semivolatile Organic list (ppb)** | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 0.641 | 0.212 | ND | 0.212 | ND | 0.212 | 0.511 | 0.212 | NS | NS | 2.92 | 0.212 | ND | 0.212 | ND | 0.212 | ND | 0.212 | 20 |
| Naphthalene | ND | 0.224 | ND | 0.224 | ND | 0.224 | 6.17 | 0.224 | NS | NS | 1.59 | 0.224 | ND | 0.224 | ND | 0.224 | ND | 0.224 | 10 |
| 2-Methylnaphthalene | ND | 0.393 | ND | 0.393 | ND | 0.393 | 1.03 | 0.393 | NS | NS | **82.5** | 0.393 | ND | 0.393 | ND | 0.393 | ND | 0.393 | 50 NS |
| Acenaphthylene | ND | 0.257 | ND | 0.257 | ND | 0.257 | ND | 0.257 | NS | NS | 0.484 J | 0.257 | ND | 0.257 | ND | 0.257 | ND | 0.257 | 20 ns |
| Dibenzofuran | ND | 0.260 | ND | 0.260 | ND | 0.260 | ND | 0.260 | NS | NS | 2.41 | 0.260 | ND | 0.260 | ND | 0.260 | ND | 0.260 | 5 ns |
| Diethyl phthalate | ND | 0.220 | ND | 0.220 | ND | 0.220 | ND | 0.220 | NS | NS | 1.20 | 0.220 | ND | 0.220 | 1.14 | 0.220 | 2.41 | 0.220 | 50 |
| Bis(2-ethylhexyl) phthalate | ND | 0.320 | ND | 0.320 | 0.427 J | 0.320 | ND | 0.320 | NS | NS | ND | 0.320 | ND | 0.320 | ND | 0.320 | ND | 0.320 | 50 5 |
| Fluorene | 1.05 | 0.288 | ND | 0.288 | ND | 0.288 | 0.300 | 0.288 | NS | NS | 5.47 | 0.288 | ND | 0.288 | ND | 0.288 | ND | 0.288 | 50 |
| Phenanthrene | ND | 0.227 | ND | 0.227 | ND | 0.227 | ND | 0.227 | NS | NS | 4.01 | 0.227 | ND | 0.227 | ND | 0.227 | ND | 0.227 | 50 |
| Pyrene | 0.252 | 0.234 | ND | 0.234 | ND | 0.234 | ND | 0.234 | NS | NS | 0.312 | 0.234 | ND | 0.234 | ND | 0.234 | ND | 0.234 | 50 |

NYDEC - New York State Department of Environmental Conservation
ug/L - Micrograms per Liter
MDL - Method Detection Limit
J - Estimated Value

ND - Non-Detect
NS - Not Sampled
NEC - Not Established Criteria

# Figures

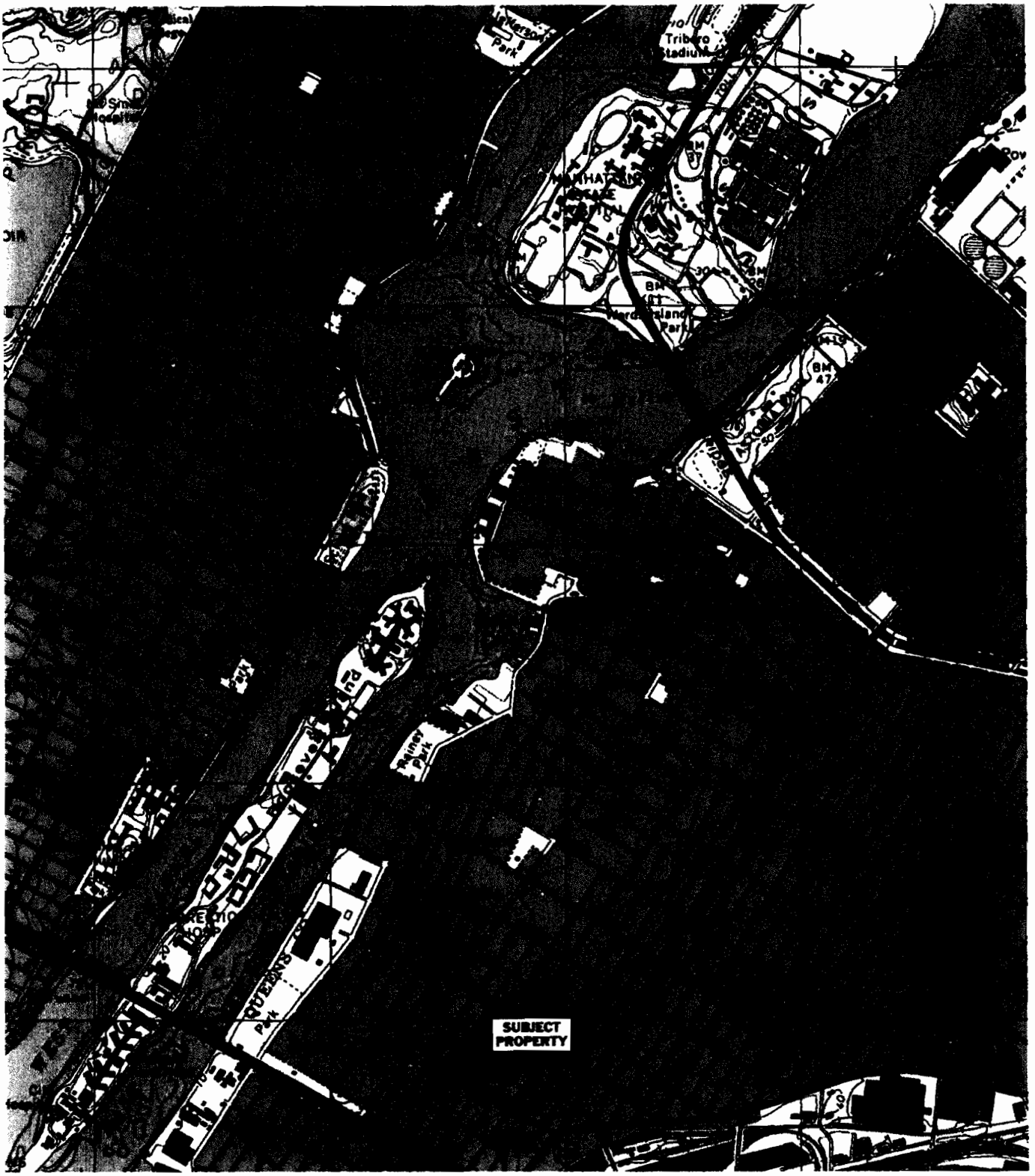



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**Figure 1 - Site Location Map**
U.S.G.S. Topographic Central Park, NY Quad

Petrocelli Electric Company, Inc.
22-09 Queens Bridge Plaza North
Long Island City, New York

| Series: 7.5' | Job No. 10BR060 | Photo Revised: 1995 |
|---|---|---|

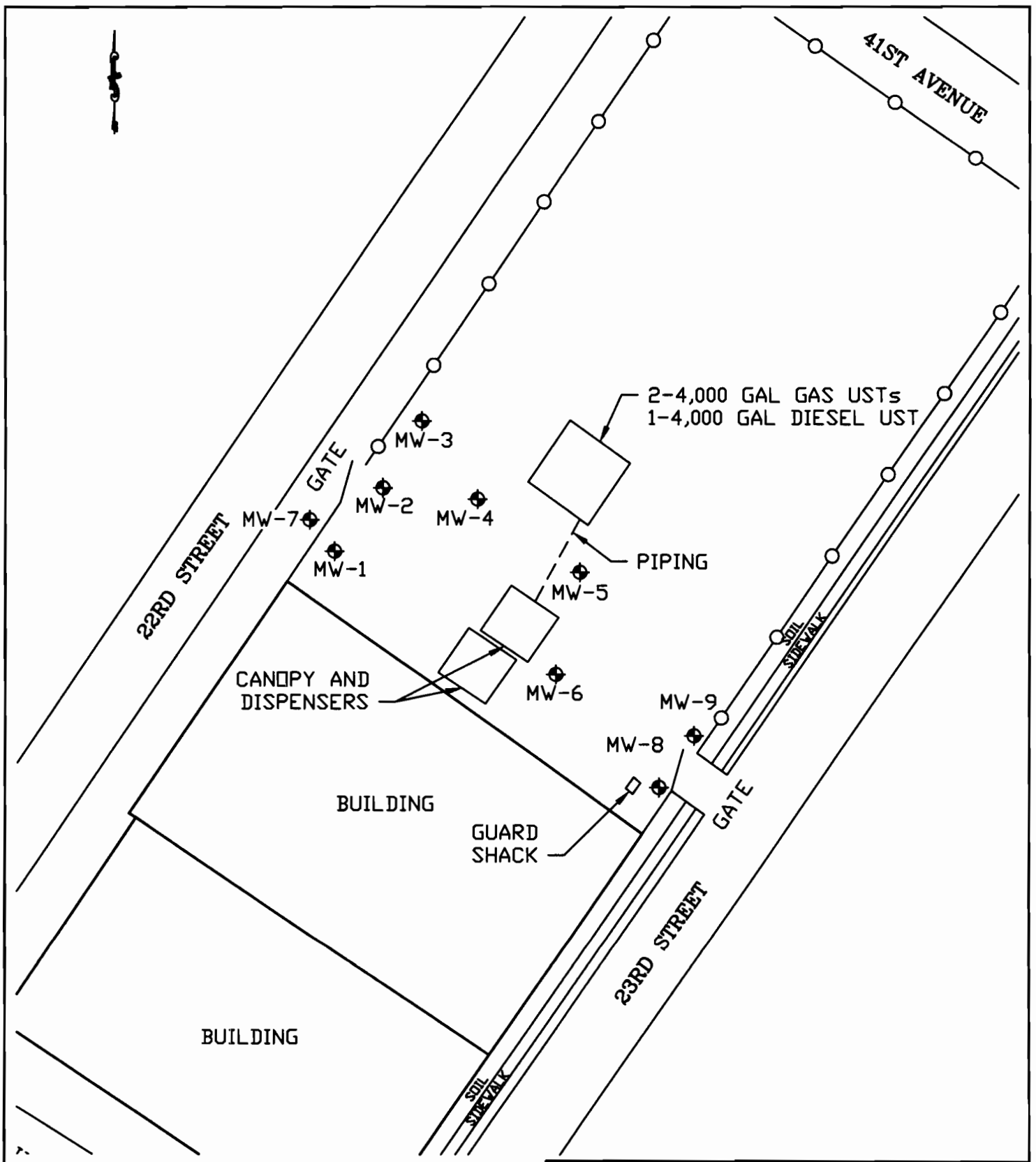


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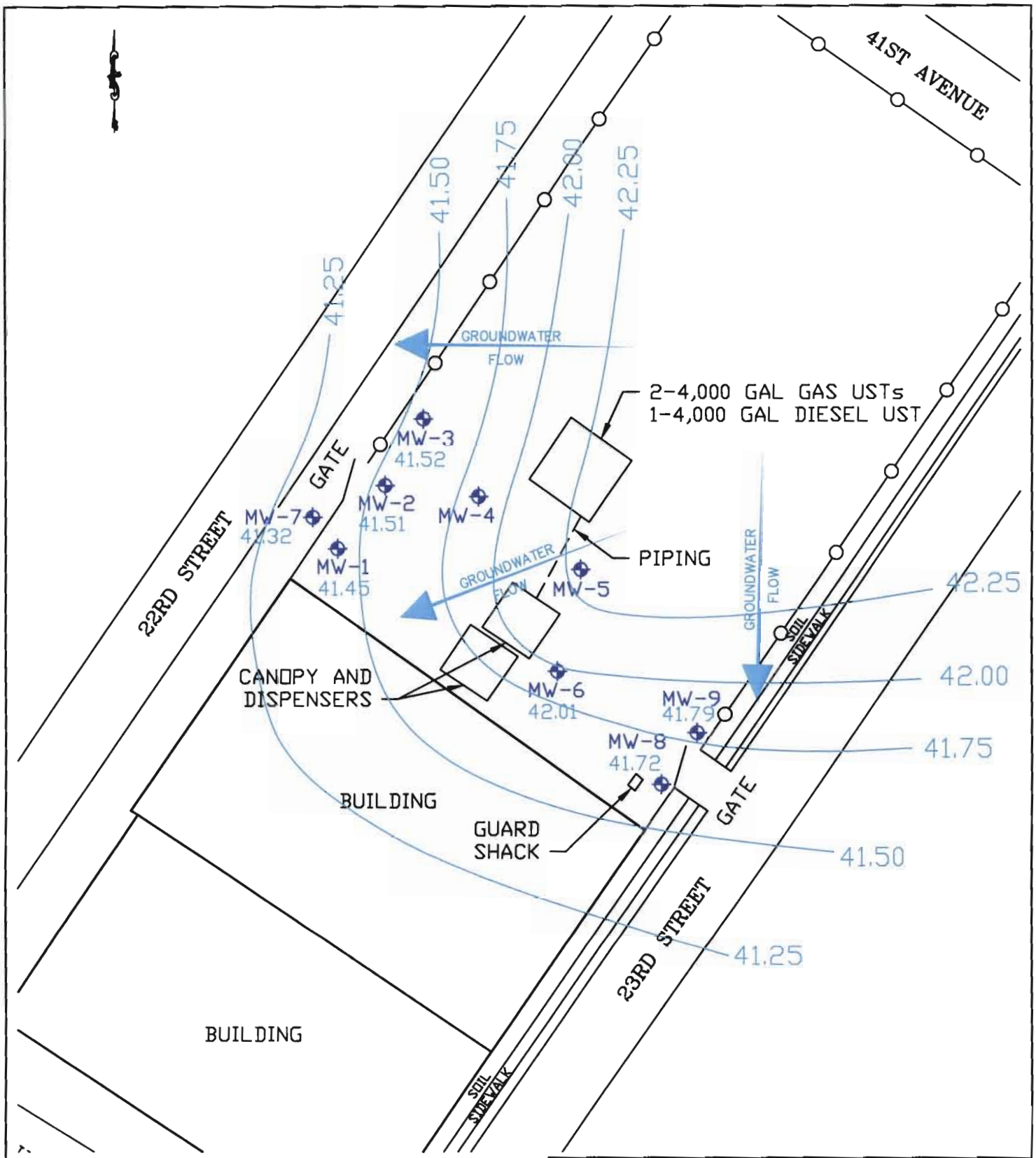
FIGURE 2
SITE PLAN
PETROCELLI ELECTRIC COMPANY INC.
22-09 QUEENS BRIDGE PLAZA NORTH
LONG ISLAND CITY, NY

| DATE: 12/06/10 | JOB NO.: 10BR060 | SCALE: 1" = 60' |
|---|---|---|




LEGEND

◆ MONITORING WELL

CONTOUR INTERVAL = .25 FEET

0′ 30′ 60′

SCALE: 1"=60′

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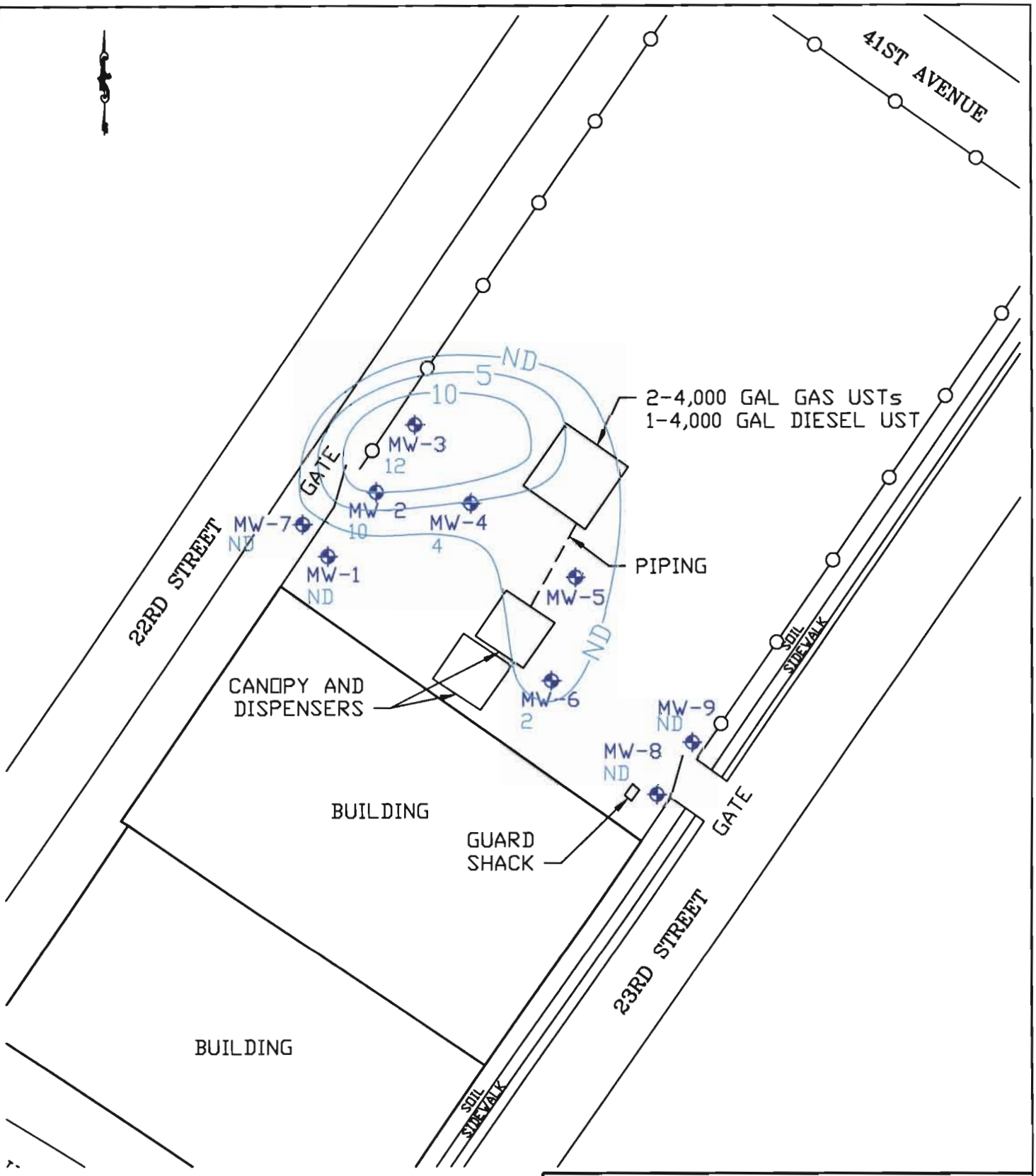
FIGURE 3
GROUNDWATER CONTOUR MAP - 10/28/10
PETROCELLI ELECTRIC COMPANY INC.
22-09 QUEENS BRIDGE PLAZA NORTH
LONG ISLAND CITY, NY

| DATE: 12/06/10 | JOB NO.: 10BR060 | SCALE: 1" = 60′ |
|---|---|---|




LEGEND

◆ MONITORING WELL

ND = NOT DETECTED
CI = 5 ppb BENZENE IN GROUNDWATER

0′ 30′ 60′

SCALE: 1"=60′

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FIGURE 4
BENZENE ISOPLETH CONTOUR MAP - 10/28/10
PETROCELLI ELECTRIC COMPANY INC.
22-09 QUEENS BRIDGE PLAZA NORTH
LONG ISLAND CITY, NY

| DATE: 12/06/10 | JOB NO.: 10BR060 | SCALE: 1" = 60′ |
|---|---|---|

# Appendix I

## Progress Report prepared by EnSolutions, Inc. dated September 29, 2002

(this report stored on e-doc under spill #: 9705856)

# Appendix II

## Request for No Further Action (NFA) prepared by EnSolutions, Inc. dated March 31, 2003

(this report stored on e-doc under spill #: 9705856)

# Appendix III

## Land Surveyor’s Certification Forms

10/28/10

THIS FORM MUST BE [illegible]ETED BY THE PERMITTEE [illegible] SURVEYOR

MONITORING WELL CERTIFICATION-FORM B-LOCATION CERTIFICATION

Name of Permittee:
Name of Facility: PETROCELLI ELECTRIC COMPANY INC.
Location: 22-09 QUEENS BRIDGE PLAZA NORTH LONG ISLAND CITY N.Y.
NJPDES Number: [redacted] or ECRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing. — —-— — — — — —-— —

Longitude (to nearest second): West

Latitude (to nearest second): North

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 50.80

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation): Source: ASSUMED DATUM

Elev.: 50.00

Owners Well Number (As shown on application or plans): MW-1

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x $(\text{mile})^{1/2}$. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Lawrence J. Borio
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

LAWRENCE J. BORIO SEAL
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

24GS02680700
PROFESSIONAL LAND SURVEYOR'S LICENSE #

10/28/10

THIS FORM MUST BE COMPLETED BY THE PERMITTEE A / SURVEYOR

MONITORING WELL CERTIFICATION-FORM B-LOCATION CERTIFICATION

Name of Permittee:
Name of Facility: PETROCELLI ELECTRIC COMPANY INC.
Location: 22-09 QUEENS BRIDGE PLAZA NORTH LONG ISLAND CITY N.Y.
NJPDES Number: NJ00 or ECRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing. ___-___-___-___

Longitude (to nearest second): West

Latitude (to nearest second): North

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 50.00

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation): Source: ASSUMED DATUM

Elev.: 50.00

Owners Well Number (As shown on application or plans): MW-2

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are $0.05 \text{ ft} \times (\text{mile})^{1/2}$. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Lawrence J. Borio
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

LAWRENCE J. BORIO SEAL
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

24GS02680700
PROFESSIONAL LAND SURVEYOR'S LICENSE #

10/28/10

THIS FORM MUST BE COMPLETED BY THE PERMITTEE A / SURVEYOR

MONITORING WELL CERTIFICATION-FORM B-LOCATION CERTIFICATION

Name of Permittee:
Name of Facility: PETROCELLI ELECTRIC COMPANY INC.
Location: 22-09 QUEENS BRIDGE PLAZA NORTH LONG ISLAND CITY N.Y.
NJPDES Number: [redacted] or ECRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing. — — - — — — — — - —

Longitude (to nearest second): West _____

Latitude (to nearest second): North _____

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 50.55

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation): Source: ASSUMED DATUM

Elev.: 50.00

Owners Well Number (As shown on application or plans): MW-3

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile)$^{1/2}$. For sections less than 0.1 mile, let miles = 0.1.

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Lawrence J. Borio
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

LAWRENCE J. BORIO SEAL
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

24GS02680700
PROFESSIONAL LAND SURVEYOR'S LICENSE #

THIS FORM MUST BE COMPLETED BY THE PERMITTEE A / SURVEYOR

MONITORING WELL CERTIFICATION-FORM B-LOCATION CERTIFICATION

Name of Permittee:
Name of Facility: PETROCELLI ELECTRIC COMPANY INC.
Location: 22-09 QUEENS BRIDGE PLAZA NORTH LONG ISLAND CITY N.Y.
NJPDES Number: [redacted] or ECRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing. — —-— — — — — —-—

Longitude (to nearest second): West _____

Latitude (to nearest second): North _____

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 51.03

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation): Source: ASSUMED DATUM

Elev.: 50.00

Owners Well Number (As shown on application or plans): MW-6

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x $(\text{mile})^{1/2}$. For sections less than 0.1 mile, let miles = 0.1.

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Lawrence J. Borio
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

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PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

24GS02680700
PROFESSIONAL LAND SURVEYOR'S LICENSE #

10/28/10

THIS FORM MUST BE COMPLETED BY THE PERMITTEE A / SURVEYOR

MONITORING WELL CERTIFICATION-FORM B-LOCATION CERTIFICATION

Name of Permittee:
Name of Facility: PETROCELLI ELECTRIC COMPANY INC.
Location: 22-09 QUEENS BRIDGE PLAZA NORTH LONG ISLAND CITY N.Y.
NJPDES Number: [redacted] or ECRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing. — — - — — — — — - —

Longitude (to nearest second): West _____

Latitude (to nearest second): North _____

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 50.30

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation): Source: ASSUMED DATUM

Elev.: 50.00

Owners Well Number (As shown on application or plans): MW-7

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile)$^{1/2}$. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

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Lawrence J. Borio
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

LAWRENCE J. BORIO SEAL
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

24GS02680700
PROFESSIONAL LAND SURVEYOR'S LICENSE #

10/28/10

THIS FORM MUST BE COMPLETED BY THE PERMITTEE & / SURVEYOR

MONITORING WELL CERTIFICATION-FORM B-LOCATION CERTIFICATION

Name of Permittee:
Name of Facility: PETROCELLI ELECTRIC COMPANY INC.
Location: 22-09 QUEENS BRIDGE PLAZA NORTH LONG ISLAND CITY N.Y.
NJPDES Number: [redacted] or ECRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing. ____-____-____-____

Longitude (to nearest second): West_____

Latitude (to nearest second): North_____

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 51.76

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation): Source: ASSUMED DATUM

Elev.: 50.00

Owners Well Number (As shown on application or plans): MW-8

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x $(\text{mile})^{1/2}$. For sections less than 0.1 mile, let miles = 0.1.

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Lawrence J. Borio
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

LAWRENCE J. BORIO SEAL
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

24GS02680700
PROFESSIONAL LAND SURVEYOR'S LICENSE #

10/28/10

THIS FORM MUST BE COMPLETED BY THE PERMITTEE A. /A SURVEYOR

MONITORING WELL CERTIFICATION-FORM B-LOCATION CERTIFICATION

Name of Permittee:
Name of Facility: PETROCELLI ELECTRIC COMPANY INC.
Location: 22-09 QUEENS BRIDGE PLAZA NORTH LONG ISLAND CITY N.Y.
NJPDES Number: [redacted]00 or ECRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing. _ _-_ _ _ _ _-_

Longitude (to nearest second): West _____

Latitude (to nearest second): North _____

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 52.03

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation): Source: ASSUMED DATUM

Elev.: 50.00

Owners Well Number (As shown on application or plans): MW-9

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x $(\text{mile})^{1/2}$. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

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Lawrence J. Borio
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

LAWRENCE J. BORIO SEAL
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

24 GS 02680700
PROFESSIONAL LAND SURVEYOR'S LICENSE #

# Appendix IV
## Monitoring Well Sampling Data Forms

# Brinkerhoff Environmental Services, Inc.

## Monitoring Well Sampling Data Form

**Location**: Petrocelli Electric, 22-09 Queens Bridge Plaza North, Long Island City, New York

| | | | |
|---|---|---|---|
| **Sample Date:** | 10/28/10 | **BES Job # :** | 10BR060 |
| **Sample ID#:** | MW-1 | **Sampled By:** | Brian Rooney/Chris Bianchini |
| **Monitoring Well Number:** | MW-1 | **Casing Type & Diameter:** | Schedule 40 PVC 4 " |
| **Weather Conditions:** | Sunny, $70^0$F | **Monitoring Well Permit #:** | Not Applicable |

### Readings Prior to Well Purging

| | | | |
|---|---|---|---|
| Time: | 1205 | Product Thickness (ft.): | 0.0 |
| pH: | 6.86 | Depth, top of Inner Casing to Water (ft.): | 9.35 |
| Dissolved Oxygen (mg/l): | 2.50 | Total Depth, Top of Inner Casing (ft.): | 14.97 |
| Temp. (°C): | 20.3 | Length of Screen (ft.): | 10.0 |
| Conductivity (mS/cm) | .821 | Volume of Water in Well (gal.): | 3.66 |

### Readings Subsequent to Purging

| | | | |
|---|---|---|---|
| pH: | 6.79 | Pump Start Time: | 1205 |
| Dissolved Oxygen (mg/l): | 2.45 | Pump End Time: | 1235 |
| Temp. (°C): | 20.5 | Purge Rate: | .5 (gal./min.) |
| Conductivity (mS/cm) | .833 | Volume Purged (gal.): | 15 |
| | | Purge Method: | Submersible pump w/ dedicated poly tubing |

### Reading Subsequent to Sampling

| | | | |
|---|---|---|---|
| pH: | 6.91 | Sampling Method: | Dedicated Teflon bailer |
| Dissolved Oxygen (mg/l): | 2.37 | Sample Start Time: | 1255 |
| Temp. (°C): | 20.4 | Sample End Time: | 1300 |
| Conductivity (mS/cm) | .801 | | |

# Brinkerhoff Environmental Services, Inc.

## Monitoring Well Sampling Data Form

**Location**: Petrocelli Electric, 22-09 Queens Bridge Plaza North, Long Island City, New York

| | | | |
|---|---|---|---|
| **Sample Date:** | 10/28/10 | **BES Job # :** | 10BR060 |
| **Sample ID#:** | MW-2 | **Sampled By:** | Brian Rooney/Chris Bianchini |
| **Monitoring Well Number:** | MW-2 | **Casing Type & Diameter:** | Schedule 40 PVC 4 " |
| **Weather Conditions:** | Sunny, 70$^0$F | **Monitoring Well Permit #:** | Not Applicable |

### Readings Prior to Well Purging

| | | | |
|---|---|---|---|
| Time: | 1100 | Product Thickness (ft.): | 0.0 |
| pH: | 6.82 | Depth, top of Inner Casing to Water (ft.): | 8.49 |
| Dissolved Oxygen (mg/l): | 2.45 | Total Depth, Top of Inner Casing (ft.): | 14.79 |
| Temp. (°C): | 20.7 | Length of Screen (ft.): | 10.0 |
| Conductivity (mS/cm) | .758 | Volume of Water in Well (gal.): | 4.1 |

### Readings Subsequent to Purging

| | | | |
|---|---|---|---|
| pH: | 6.81 | Pump Start Time: | 1100 |
| Dissolved Oxygen (mg/l): | 1.75 | Pump End Time: | 1130 |
| Temp. (°C): | 21.1 | Purge Rate: | .66 (gal./min.) |
| Conductivity (mS/cm) | .801 | Volume Purged (gal.): | 20 |
| | | Purge Method: | Submersible pump w/ dedicated poly tubing |

### Reading Subsequent to Sampling

| | | | |
|---|---|---|---|
| pH: | 6.73 | Sampling Method: | Dedicated Teflon bailer |
| Dissolved Oxygen (mg/l): | 1.71 | Sample Start Time: | 1255 |
| Temp. (°C): | 20.9 | Sample End Time: | 1300 |
| Conductivity (mS/cm) | .801 | | |

# Brinkerhoff Environmental Services, Inc.

## Monitoring Well Sampling Data Form

**Location**: Petrocelli Electric, 22-09 Queens Bridge Plaza North, Long Island City, New York

| | | | |
|---|---|---|---|
| **Sample Date:** | 10/28/10 | **BES Job # :** | 10BR060 |
| **Sample ID#:** | MW-3 | **Sampled By:** | Brian Rooney/Chris Bianchini |
| **Monitoring Well Number:** | MW-3 | **Casing Type & Diameter:** | Schedule 40 PVC 4 " |
| **Weather Conditions:** | Sunny, $70^0$F | **Monitoring Well Permit #:** | Not Applicable |

### Readings Prior to Well Purging

| | | | |
|---|---|---|---|
| Time: | 1105 | Product Thickness (ft.): | 0.0 |
| pH: | 6.58 | Depth, top of Inner Casing to Water (ft.): | 9.03 |
| Dissolved Oxygen (mg/l): | 1.76 | Total Depth, Top of Inner Casing (ft.): | 16.56 |
| Temp. (°C): | 20.8 | Length of Screen (ft.): | 10.0 |
| Conductivity (mS/cm) | .551 | Volume of Water in Well (gal.): | 22 |

### Readings Subsequent to Purging

| | | | |
|---|---|---|---|
| pH: | 6.71 | Pump Start Time: | 1105 |
| Dissolved Oxygen (mg/l): | 1.63 | Pump End Time: | 1135 |
| Temp. (°C): | 20.7 | Purge Rate: | .73 (gal./min.) |
| Conductivity (mS/cm) | .611 | Volume Purged (gal.): | 20 |
| | | Purge Method: | Submersible pump w/ dedicated poly tubing |

### Reading Subsequent to Sampling

| | | | |
|---|---|---|---|
| pH: | 6.65 | Sampling Method: | Dedicated Teflon bailer |
| Dissolved Oxygen (mg/l): | 1.58 | Sample Start Time: | 1205 |
| Temp. (°C): | 20.9 | Sample End Time: | 1210 |
| Conductivity (mS/cm) | .603 | | |

# Brinkerhoff Environmental Services, Inc.

## Monitoring Well Sampling Data Form

**Location**: Petrocelli Electric, 22-09 Queens Bridge Plaza North, Long Island City, New York

| | | | |
|---|---|---|---|
| **Sample Date:** | 10/28/10 | **BES Job # :** | 10BR060 |
| **Sample ID#:** | MW-4 | **Sampled By:** | Brian Rooney/Chris Bianchini |
| **Monitoring Well Number:** | MW-4 | **Casing Type & Diameter:** | Schedule 40 PVC 4 " |
| **Weather Conditions:** | Sunny, $70^0$F | **Monitoring Well Permit #:** | Not Applicable |

### Readings Prior to Well Purging

| | | | |
|---|---|---|---|
| Time: | 1110 | Product Thickness (ft.): | 0.0 |
| pH: | 6.78 | Depth, top of Inner Casing to Water (ft.): | 8.95 |
| Dissolved Oxygen (mg/l): | 2.55 | Total Depth, Top of Inner Casing (ft.): | 14.57 |
| Temp. (°C): | 19.5 | Length of Screen (ft.): | 10.0 |
| Conductivity (mS/cm) | .794 | Volume of Water in Well (gal.): | 3.66 |

### Readings Subsequent to Purging

| | | | |
|---|---|---|---|
| pH: | 6.84 | Pump Start Time: | 1110 |
| Dissolved Oxygen (mg/l): | 2.31 | Pump End Time: | 1140 |
| Temp. (°C): | 19.8 | Purge Rate: | .5 (gal./min.) |
| Conductivity (mS/cm) | .801 | Volume Purged (gal.): | 15 |
| | | Purge Method: | Submersible pump w/ dedicated poly tubing |

### Reading Subsequent to Sampling

| | | | |
|---|---|---|---|
| pH: | 6.63 | Sampling Method: | Dedicated Teflon bailer |
| Dissolved Oxygen (mg/l): | 2.45 | Sample Start Time: | 1215 |
| Temp. (°C): | 19.5 | Sample End Time: | 1220 |
| Conductivity (mS/cm) | .786 | | |

# Brinkerhoff Environmental Services, Inc.

## Monitoring Well Sampling Data Form

**Location**: Petrocelli Electric, 22-09 Queens Bridge Plaza North, Long Island City, New York

| | | | |
|---|---|---|---|
| **Sample Date:** | 10/28/10 | **BES Job # :** | 10BR060 |
| **Sample ID#:** | MW-6 | **Sampled By:** | Brian Rooney/Chris Bianchini |
| **Monitoring Well Number:** | MW-6 | **Casing Type & Diameter:** | Schedule 40 PVC 4 " |
| **Weather Conditions:** | Sunny, $70^0$F | **Monitoring Well Permit #:** | Not Applicable |

### Readings Prior to Well Purging

| | | | |
|---|---|---|---|
| Time: | 1115 | Product Thickness (ft.): | 0.0 |
| pH: | 6.78 | Depth, top of Inner Casing to Water (ft.): | 9.02 |
| Dissolved Oxygen (mg/l): | 2.71 | Total Depth, Top of Inner Casing (ft.): | 14.92 |
| Temp. (°C): | 21.0 | Length of Screen (ft.): | 10.0 |
| Conductivity (mS/cm) | 1.83 | Volume of Water in Well (gal.): | 3.8 |

### Readings Subsequent to Purging

| | | | |
|---|---|---|---|
| pH: | 6.84 | Pump Start Time: | 1115 |
| Dissolved Oxygen (mg/l): | 2.65 | Pump End Time: | 1145 |
| Temp. (°C): | 20.8 | Purge Rate: | .6 (gal./min.) |
| Conductivity (mS/cm) | 1.75 | Volume Purged (gal.): | 18 |
| | | Purge Method: | Submersible pump w/ dedicated poly tubing |

### Reading Subsequent to Sampling

| | | | |
|---|---|---|---|
| pH: | 6.75 | Sampling Method: | Dedicated Teflon bailer |
| Dissolved Oxygen (mg/l): | 2.59 | Sample Start Time: | 1225 |
| Temp. (°C): | 21.1 | Sample End Time: | 1230 |
| Conductivity (mS/cm) | 1.85 | | |

# Brinkerhoff Environmental Services, Inc.

## Monitoring Well Sampling Data Form

**Location**: Petrocelli Electric, 22-09 Queens Bridge Plaza North, Long Island City, New York

| | | | |
|---|---|---|---|
| **Sample Date:** | 10/28/10 | **BES Job # :** | 10BR060 |
| **Sample ID#:** | MW-7 | **Sampled By:** | Brian Rooney/Chris Bianchini |
| **Monitoring Well Number:** | MW-7 | **Casing Type & Diameter:** | Schedule 40 PVC 4 " |
| **Weather Conditions:** | Sunny, 70$^0$F | **Monitoring Well Permit #:** | Not Applicable |

### Readings Prior to Well Purging

| | | | |
|---|---|---|---|
| Time: | 1115 | Product Thickness (ft.): | 0.0 |
| pH: | 6.78 | Depth, top of Inner Casing to Water (ft.): | 8.98 |
| Dissolved Oxygen (mg/l): | 2.71 | Total Depth, Top of Inner Casing (ft.): | 14.73 |
| Temp. (°C): | 21.0 | Length of Screen (ft.): | 10.0 |
| Conductivity (mS/cm) | 1.83 | Volume of Water in Well (gal.): | .95 |

### Readings Subsequent to Purging

| | | | |
|---|---|---|---|
| pH: | 6.75 | Pump Start Time: | 1210 |
| Dissolved Oxygen (mg/l): | 3.51 | Pump End Time: | 1240 |
| Temp. (°C): | 21.0 | Purge Rate: | .15 (gal./min.) |
| Conductivity (mS/cm) | .685 | Volume Purged (gal.): | 4.5 |
| | | Purge Method: | Submersible pump w/ dedicated poly tubing |

### Reading Subsequent to Sampling

| | | | |
|---|---|---|---|
| pH: | 6.81 | Sampling Method: | Dedicated Teflon bailer |
| Dissolved Oxygen (mg/l): | 3.66 | Sample Start Time: | 1310 |
| Temp. (°C): | 21.0 | Sample End Time: | 1315 |
| Conductivity (mS/cm) | .691 | | |

# Brinkerhoff Environmental Services, Inc.

## Monitoring Well Sampling Data Form

**Location**: Petrocelli Electric, 22-09 Queens Bridge Plaza North, Long Island City, New York

| | | | |
|---|---|---|---|
| **Sample Date:** | 10/28/10 | **BES Job # :** | 10BR060 |
| **Sample ID#:** | MW-8 | **Sampled By:** | Brian Rooney/Chris Bianchini |
| **Monitoring Well Number:** | MW-8 | **Casing Type & Diameter:** | Schedule 40 PVC 4 " |
| **Weather Conditions:** | Sunny, $70^0$F | **Monitoring Well Permit #:** | Not Applicable |

### Readings Prior to Well Purging

| | | | |
|---|---|---|---|
| Time: | 1215 | Product Thickness (ft.): | 0.0 |
| pH: | 7.34 | Depth, top of Inner Casing to Water (ft.): | 10.04 |
| Dissolved Oxygen (mg/l): | 2.18 | Total Depth, Top of Inner Casing (ft.): | 14.74 |
| Temp. (°C): | 18.8 | Length of Screen (ft.): | 10.0 |
| Conductivity (mS/cm) | 1.28 | Volume of Water in Well (gal.): | .75 |

### Readings Subsequent to Purging

| | | | |
|---|---|---|---|
| pH: | 7.25 | Pump Start Time: | 1215 |
| Dissolved Oxygen (mg/l): | 2.05 | Pump End Time: | 1245 |
| Temp. (°C): | 18.9 | Purge Rate: | .11 (gal./min.) |
| Conductivity (mS/cm) | 1.44 | Volume Purged (gal.): | 3.5 |
| | | Purge Method: | Submersible pump w/ dedicated poly tubing |

### Reading Subsequent to Sampling

| | | | |
|---|---|---|---|
| pH: | 7.31 | Sampling Method: | Dedicated Teflon bailer |
| Dissolved Oxygen (mg/l): | 1.76 | Sample Start Time: | 1315 |
| Temp. (°C): | 18.6 | Sample End Time: | 1320 |
| Conductivity (mS/cm) | 1.37 | | |

# Brinkerhoff Environmental Services, Inc.

## Monitoring Well Sampling Data Form

**Location**: Petrocelli Electric, 22-09 Queens Bridge Plaza North, Long Island City, New York

| | | | |
|---|---|---|---|
| **Sample Date:** | 10/28/10 | **BES Job # :** | 10BR060 |
| **Sample ID#:** | MW-9 | **Sampled By:** | Brian Rooney/Chris Bianchini |
| **Monitoring Well Number:** | MW-9 | **Casing Type & Diameter:** | Schedule 40 PVC 4 " |
| **Weather Conditions:** | Sunny, $70^0$F | **Monitoring Well Permit #:** | Not Applicable |

### Readings Prior to Well Purging

| | | | |
|---|---|---|---|
| Time: | 1300 | Product Thickness (ft.): | 0.0 |
| pH: | 7.22 | Depth, top of Inner Casing to Water (ft.): | 10.24 |
| Dissolved Oxygen (mg/l): | 2.82 | Total Depth, Top of Inner Casing (ft.): | 4.71 |
| Temp. (°C): | 18.2 | Length of Screen (ft.): | 10.0 |
| Conductivity (mS/cm) | 1.49 | Volume of Water in Well (gal.): | .72 |

### Readings Subsequent to Purging

| | | | |
|---|---|---|---|
| pH: | 7.34 | Pump Start Time: | 1300 |
| Dissolved Oxygen (mg/l): | 2.76 | Pump End Time: | 1330 |
| Temp. (°C): | 18.5 | Purge Rate: | .1 (gal./min.) |
| Conductivity (mS/cm) | 1.52 | Volume Purged (gal.): | 3 |
| | | Purge Method: | Submersible pump w/ dedicated poly tubing |

### Reading Subsequent to Sampling

| | | | |
|---|---|---|---|
| pH: | 7.42 | Sampling Method: | Dedicated Teflon bailer |
| Dissolved Oxygen (mg/l): | 2.04 | Sample Start Time: | 1405 |
| Temp. (°C): | 18.6 | Sample End Time: | 1410 |
| Conductivity (mS/cm) | 1.40 | | |

# Appendix V

## Laboratory Analytical Data
## Groundwater – October 28, 2010 Sampling

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**REVISED**

**CONFORMANCE / NONCONFORMANCE SUMMARY**

Integrated Analytical Laboratories, LLC. received eight (8) aqueous sample(s) from Brinkerhoff Environmental Services (Project: PETROCELLI) on October 29, 2010 for the analysis of:

(8) TCL VOA
(8) TCL BN

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

11/24/10
Date

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

**REVISED**

**SUMMARY REPORT**
**Client: Brinkerhoff Environmental Services**
**Project: PETROCELLI**
**Lab Case No.: E10-11011**

| Lab ID: | 11011-001 | | | 11011-002 | | | 11011-003 | | | 11011-004 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | MW-1 | | | MW-2 | | | MW-3 | | | MW-4 | | |
| Matrix: | Aqueous | | | Aqueous | | | Aqueous | | | Aqueous | | |
| Sampled Date | 10/28/10 | | | 10/28/10 | | | 10/28/10 | | | 10/28/10 | | |
| **PARAMETER(Units)** | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| **Volatiles (Units)** | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | |
| Chloromethane | ND | | 0.270 | ND | | 0.270 | 0.556 | J | 0.270 | ND | | 0.270 |
| Acetone | 14.6 | | 0.640 | 11.4 | | 0.640 | 35.5 | | 0.640 | 22.2 | | 0.640 |
| Methyl tert-butyl ether (MTBE) | ND | | 0.320 | 12.8 | | 0.320 | 1.96 | | 0.320 | ND | | 0.320 |
| Benzene | ND | | 0.370 | 10.1 | | 0.370 | 12.9 | | 0.370 | 4.78 | | 0.370 |
| Toluene | ND | | 0.280 | 0.301 | J | 0.280 | 1.84 | | 0.280 | 0.427 | J | 0.280 |
| Chlorobenzene | ND | | 0.430 | 6.54 | | 0.430 | 4.36 | | 0.430 | 3.28 | | 0.430 |
| Ethylbenzene | 0.726 | J | 0.380 | ND | | 0.380 | ND | | 0.380 | 3.37 | | 0.380 |
| Total Xylenes | ND | | 0.790 | ND | | 0.790 | ND | | 0.790 | 2.36 | | 0.790 |
| Isopropylbenzene | 15.2 | | 0.340 | 16.7 | | 0.340 | ND | | 0.340 | 6.31 | | 0.340 |
| 1,4-Dichlorobenzene | ND | | 0.370 | 0.626 | J | 0.370 | ND | | 0.370 | ND | | 0.370 |
| Cyclohexane | ND | | 0.550 | ND | | 0.550 | ND | | 0.550 | 51.6 | | 0.550 |
| Methylcyclohexane | 15.5 | | 0.520 | 4.13 | | 0.520 | 3.53 | | 0.520 | 38.3 | | 0.520 |
| **TOTAL VO's:** | 46.0 | J | | 62.6 | J | | 60.6 | J | | 133 | J | |
| **Semivolatiles - BNA (Units)** | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | |
| Naphthalene | ND | | 0.224 | ND | | 0.224 | ND | | 0.224 | 6.17 | | 0.224 |
| 2-Methylnaphthalene | ND | | 0.393 | ND | | 0.393 | ND | | 0.393 | 1.03 | | 0.393 |
| Acenaphthene | 0.641 | J | 0.212 | ND | | 0.212 | ND | | 0.212 | 0.511 | J | 0.212 |
| Fluorene | 1.05 | | 0.288 | ND | | 0.288 | ND | | 0.288 | 0.300 | J | 0.288 |
| Pyrene | 0.252 | J | 0.234 | ND | | 0.234 | ND | | 0.234 | ND | | 0.234 |
| Bis(2-ethylhexyl) phthalate | ND | | 0.320 | ND | | 0.320 | 0.427 | J | 0.320 | ND | | 0.320 |
| **TOTAL BN'S:** | 1.94 | J | | ND | | | 0.427 | J | | 8.01 | J | |

| Lab ID: | 11011-005 | | | 11011-006 | | | 11011-007 | | | 11011-008 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | MW-6 | | | MW-7 | | | MW-8 | | | MW-9 | | |
| Matrix: | Aqueous | | | Aqueous | | | Aqueous | | | Aqueous | | |
| Sampled Date | 10/28/10 | | | 10/28/10 | | | 10/28/10 | | | 10/28/10 | | |
| **PARAMETER(Units)** | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| **Volatiles (Units)** | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | |
| Chloromethane | 0.938 | J | 0.540 | ND | | 0.270 | ND | | 0.270 | ND | | 0.270 |
| Methyl tert-butyl ether (MTBE) | 13.5 | | 0.640 | ND | | 0.320 | 0.419 | J | 0.320 | 1.34 | | 0.320 |
| Benzene | 2.33 | | 0.740 | ND | | 0.370 | ND | | 0.370 | ND | | 0.370 |
| Trichloroethene | ND | | 0.760 | ND | | 0.380 | 1.12 | | 0.380 | 0.959 | J | 0.380 |
| Toluene | 1.21 | J | 0.560 | ND | | 0.280 | ND | | 0.280 | ND | | 0.280 |
| Tetrachloroethene | ND | | 0.660 | ND | | 0.330 | 12.4 | | 0.330 | 5.24 | | 0.330 |
| Ethylbenzene | 0.912 | J | 0.760 | ND | | 0.380 | ND | | 0.380 | ND | | 0.380 |
| Total Xylenes | 33.9 | | 1.58 | ND | | 0.790 | ND | | 0.790 | ND | | 0.790 |
| Isopropylbenzene | 12.8 | | 0.680 | ND | | 0.340 | ND | | 0.340 | ND | | 0.340 |
| 1,3-Dichlorobenzene | 1.69 | J | 0.680 | ND | | 0.340 | ND | | 0.340 | ND | | 0.340 |
| 1,4-Dichlorobenzene | 4.96 | | 0.740 | ND | | 0.370 | ND | | 0.370 | ND | | 0.370 |
| Cyclohexane | 11.6 | | 1.10 | ND | | 0.550 | ND | | 0.550 | ND | | 0.550 |
| Methylcyclohexane | 13.5 | | 1.04 | ND | | 0.520 | ND | | 0.520 | ND | | 0.520 |
| **TOTAL VO's:** | 97.3 | J | | ND | | | 13.9 | J | | 7.54 | J | |

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

**REVISED**

**SUMMARY REPORT**
**Client: Brinkerhoff Environmental Services**
**Project: PETROCELLI**
**Lab Case No.: E10-11011**

| Lab ID: | 11011-005 | | | 11011-006 | | | 11011-007 | | | 11011-008 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | MW-6 | | | MW-7 | | | MW-8 | | | MW-9 | | |
| Matrix: | Aqueous | | | Aqueous | | | Aqueous | | | Aqueous | | |
| Sampled Date | 10/28/10 | | | 10/28/10 | | | 10/28/10 | | | 10/28/10 | | |
| **PARAMETER(Units)** | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| **Semivolatiles - BNA (Units)** | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | | *(ug/L-ppb)* | | |
| Naphthalene | 1.59 | | 0.224 | ND | | 0.224 | ND | | 0.224 | ND | | 0.224 |
| 2-Methylnaphthalene | 82.5 | | 0.393 | ND | | 0.393 | ND | | 0.393 | ND | | 0.393 |
| Acenaphthylene | 0.484 | J | 0.257 | ND | | 0.257 | ND | | 0.257 | ND | | 0.257 |
| Acenaphthene | 2.92 | | 0.212 | ND | | 0.212 | ND | | 0.212 | ND | | 0.212 |
| Dibenzofuran | 2.41 | | 0.260 | ND | | 0.260 | ND | | 0.260 | ND | | 0.260 |
| Diethyl phthalate | 1.20 | | 0.220 | ND | | 0.220 | 1.14 | | 0.220 | 2.41 | | 0.220 |
| Fluorene | 5.47 | | 0.288 | ND | | 0.288 | ND | | 0.288 | ND | | 0.288 |
| Phenanthrene | 4.01 | | 0.227 | ND | | 0.227 | ND | | 0.227 | ND | | 0.227 |
| Pyrene | 0.312 | J | 0.234 | ND | | 0.234 | ND | | 0.234 | ND | | 0.234 |
| **TOTAL BN'S:** | 101 | J | | ND | | | 1.14 | | | 2.41 | | |

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-001
Client ID: MW-1
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0048.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | | 1.00 | 0.350 |
| Chloromethane | ND | | 1.00 | 0.270 |
| Vinyl chloride | ND | | 1.00 | 0.410 |
| Bromomethane | ND | | 1.00 | 0.520 |
| Chloroethane | ND | | 1.00 | 0.620 |
| Trichlorofluoromethane | ND | | 1.00 | 0.460 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.450 |
| Acetone | 14.6 | | 1.00 | 0.640 |
| Carbon disulfide | ND | | 1.00 | 0.420 |
| Methylene chloride | ND | | 2.00 | 1.98 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.460 |
| Methyl tert-butyl ether (MTBE) | ND | | 1.00 | 0.320 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.390 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.420 |
| 2-Butanone (MEK) | ND | | 1.00 | 0.210 |
| Bromochloromethane | ND | | 1.00 | 0.420 |
| Chloroform | ND | | 1.00 | 0.430 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.400 |
| Carbon tetrachloride | ND | | 1.00 | 0.380 |
| 1,2-Dichloroethane (EDC) | ND | | 1.00 | 0.330 |
| Benzene | ND | | 1.00 | 0.370 |
| Trichloroethene | ND | | 1.00 | 0.380 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.340 |
| 1,4-Dioxane | ND | | 200 | 19.6 |
| Bromodichloromethane | ND | | 1.00 | 0.310 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.260 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1.00 | 0.280 |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-001
Client ID: MW-1
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0048.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Toluene | ND | | 1.00 | 0.280 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.240 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.400 |
| Tetrachloroethene | ND | | 1.00 | 0.330 |
| 2-Hexanone | ND | | 1.00 | 0.320 |
| Dibromochloromethane | ND | | 1.00 | 0.220 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.320 |
| Chlorobenzene | ND | | 1.00 | 0.430 |
| Ethylbenzene | 0.726 | J | 1.00 | 0.380 |
| Total Xylenes | ND | | 2.00 | 0.790 |
| Styrene | ND | | 1.00 | 0.370 |
| Bromoform | ND | | 1.00 | 0.350 |
| Isopropylbenzene | 15.2 | | 1.00 | 0.340 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.220 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.370 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,2-Dibromo-3-chloropropane | ND | | 1.00 | 0.570 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.380 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.280 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.00 | 0.450 |
| Methyl acetate | ND | | 1.00 | 0.430 |
| Cyclohexane | ND | | 1.00 | 0.550 |
| Methylcyclohexane | 15.5 | | 1.00 | 0.520 |
| Total Target Compounds: | 46.0 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-002
Client ID: MW-2
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0045.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | | 1.00 | 0.350 |
| Chloromethane | ND | | 1.00 | 0.270 |
| Vinyl chloride | ND | | 1.00 | 0.410 |
| Bromomethane | ND | | 1.00 | 0.520 |
| Chloroethane | ND | | 1.00 | 0.620 |
| Trichlorofluoromethane | ND | | 1.00 | 0.460 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.450 |
| Acetone | 11.4 | | 1.00 | 0.640 |
| Carbon disulfide | ND | | 1.00 | 0.420 |
| Methylene chloride | ND | | 2.00 | 1.98 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.460 |
| Methyl tert-butyl ether (MTBE) | 12.8 | | 1.00 | 0.320 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.390 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.420 |
| 2-Butanone (MEK) | ND | | 1.00 | 0.210 |
| Bromochloromethane | ND | | 1.00 | 0.420 |
| Chloroform | ND | | 1.00 | 0.430 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.400 |
| Carbon tetrachloride | ND | | 1.00 | 0.380 |
| 1,2-Dichloroethane (EDC) | ND | | 1.00 | 0.330 |
| Benzene | 10.1 | | 1.00 | 0.370 |
| Trichloroethene | ND | | 1.00 | 0.380 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.340 |
| 1,4-Dioxane | ND | | 200 | 19.6 |
| Bromodichloromethane | ND | | 1.00 | 0.310 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.260 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1.00 | 0.280 |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-002
Client ID: MW-2
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0045.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Toluene | 0.301 | J | 1.00 | 0.280 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.240 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.400 |
| Tetrachloroethene | ND | | 1.00 | 0.330 |
| 2-Hexanone | ND | | 1.00 | 0.320 |
| Dibromochloromethane | ND | | 1.00 | 0.220 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.320 |
| Chlorobenzene | 6.54 | | 1.00 | 0.430 |
| Ethylbenzene | ND | | 1.00 | 0.380 |
| Total Xylenes | ND | | 2.00 | 0.790 |
| Styrene | ND | | 1.00 | 0.370 |
| Bromoform | ND | | 1.00 | 0.350 |
| Isopropylbenzene | 16.7 | | 1.00 | 0.340 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.220 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,4-Dichlorobenzene | 0.626 | J | 1.00 | 0.370 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,2-Dibromo-3-chloropropane | ND | | 1.00 | 0.570 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.380 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.280 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.00 | 0.450 |
| Methyl acetate | ND | | 1.00 | 0.430 |
| Cyclohexane | ND | | 1.00 | 0.550 |
| Methylcyclohexane | 4.13 | | 1.00 | 0.520 |
| Total Target Compounds: | 62.6 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-003
Client ID: MW-3
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0044.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | | 1.00 | 0.350 |
| Chloromethane | 0.556 | J | 1.00 | 0.270 |
| Vinyl chloride | ND | | 1.00 | 0.410 |
| Bromomethane | ND | | 1.00 | 0.520 |
| Chloroethane | ND | | 1.00 | 0.620 |
| Trichlorofluoromethane | ND | | 1.00 | 0.460 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.450 |
| Acetone | 35.5 | | 1.00 | 0.640 |
| Carbon disulfide | ND | | 1.00 | 0.420 |
| Methylene chloride | ND | | 2.00 | 1.98 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.460 |
| Methyl tert-butyl ether (MTBE) | 1.96 | | 1.00 | 0.320 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.390 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.420 |
| 2-Butanone (MEK) | ND | | 1.00 | 0.210 |
| Bromochloromethane | ND | | 1.00 | 0.420 |
| Chloroform | ND | | 1.00 | 0.430 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.400 |
| Carbon tetrachloride | ND | | 1.00 | 0.380 |
| 1,2-Dichloroethane (EDC) | ND | | 1.00 | 0.330 |
| Benzene | 12.9 | | 1.00 | 0.370 |
| Trichloroethene | ND | | 1.00 | 0.380 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.340 |
| 1,4-Dioxane | ND | | 200 | 19.6 |
| Bromodichloromethane | ND | | 1.00 | 0.310 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.260 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1.00 | 0.280 |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-003
Client ID: MW-3
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0044.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Toluene | 1.84 | | 1.00 | 0.280 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.240 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.400 |
| Tetrachloroethene | ND | | 1.00 | 0.330 |
| 2-Hexanone | ND | | 1.00 | 0.320 |
| Dibromochloromethane | ND | | 1.00 | 0.220 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.320 |
| Chlorobenzene | 4.36 | | 1.00 | 0.430 |
| Ethylbenzene | ND | | 1.00 | 0.380 |
| Total Xylenes | ND | | 2.00 | 0.790 |
| Styrene | ND | | 1.00 | 0.370 |
| Bromoform | ND | | 1.00 | 0.350 |
| Isopropylbenzene | ND | | 1.00 | 0.340 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.220 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.370 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,2-Dibromo-3-chloropropane | ND | | 1.00 | 0.570 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.380 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.280 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.00 | 0.450 |
| Methyl acetate | ND | | 1.00 | 0.430 |
| Cyclohexane | ND | | 1.00 | 0.550 |
| Methylcyclohexane | 3.53 | | 1.00 | 0.520 |
| Total Target Compounds: | 60.6 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-004
Client ID: MW-4
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0049.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | | 1.00 | 0.350 |
| Chloromethane | ND | | 1.00 | 0.270 |
| Vinyl chloride | ND | | 1.00 | 0.410 |
| Bromomethane | ND | | 1.00 | 0.520 |
| Chloroethane | ND | | 1.00 | 0.620 |
| Trichlorofluoromethane | ND | | 1.00 | 0.460 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.450 |
| Acetone | 22.2 | | 1.00 | 0.640 |
| Carbon disulfide | ND | | 1.00 | 0.420 |
| Methylene chloride | ND | | 2.00 | 1.98 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.460 |
| Methyl tert-butyl ether (MTBE) | ND | | 1.00 | 0.320 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.390 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.420 |
| 2-Butanone (MEK) | ND | | 1.00 | 0.210 |
| Bromochloromethane | ND | | 1.00 | 0.420 |
| Chloroform | ND | | 1.00 | 0.430 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.400 |
| Carbon tetrachloride | ND | | 1.00 | 0.380 |
| 1,2-Dichloroethane (EDC) | ND | | 1.00 | 0.330 |
| Benzene | 4.78 | | 1.00 | 0.370 |
| Trichloroethene | ND | | 1.00 | 0.380 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.340 |
| 1,4-Dioxane | ND | | 200 | 19.6 |
| Bromodichloromethane | ND | | 1.00 | 0.310 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.260 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1.00 | 0.280 |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-004
Client ID: MW-4
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0049.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Toluene | 0.427 | J | 1.00 | 0.280 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.240 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.400 |
| Tetrachloroethene | ND | | 1.00 | 0.330 |
| 2-Hexanone | ND | | 1.00 | 0.320 |
| Dibromochloromethane | ND | | 1.00 | 0.220 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.320 |
| Chlorobenzene | 3.28 | | 1.00 | 0.430 |
| Ethylbenzene | 3.37 | | 1.00 | 0.380 |
| Total Xylenes | 2.36 | | 2.00 | 0.790 |
| Styrene | ND | | 1.00 | 0.370 |
| Bromoform | ND | | 1.00 | 0.350 |
| Isopropylbenzene | 6.31 | | 1.00 | 0.340 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.220 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.370 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,2-Dibromo-3-chloropropane | ND | | 1.00 | 0.570 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.380 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.280 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.00 | 0.450 |
| Methyl acetate | ND | | 1.00 | 0.430 |
| Cyclohexane | 51.6 | | 1.00 | 0.550 |
| Methylcyclohexane | 38.3 | | 1.00 | 0.520 |
| Total Target Compounds: | 133 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-005
Client ID: MW-6
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0050.D

GC/MS Column: DB-624
Sample wt/vol: 2.5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 2
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | | 2.00 | 0.700 |
| Chloromethane | 0.938 | J | 2.00 | 0.540 |
| Vinyl chloride | ND | | 2.00 | 0.820 |
| Bromomethane | ND | | 2.00 | 1.04 |
| Chloroethane | ND | | 2.00 | 1.24 |
| Trichlorofluoromethane | ND | | 2.00 | 0.920 |
| 1,1-Dichloroethene | ND | | 2.00 | 0.900 |
| Acetone | ND | | 2.00 | 1.28 |
| Carbon disulfide | ND | | 2.00 | 0.840 |
| Methylene chloride | ND | | 4.00 | 3.96 |
| trans-1,2-Dichloroethene | ND | | 2.00 | 0.920 |
| Methyl tert-butyl ether (MTBE) | 13.5 | | 2.00 | 0.640 |
| 1,1-Dichloroethane | ND | | 2.00 | 0.780 |
| cis-1,2-Dichloroethene | ND | | 2.00 | 0.840 |
| 2-Butanone (MEK) | ND | | 2.00 | 0.420 |
| Bromochloromethane | ND | | 2.00 | 0.840 |
| Chloroform | ND | | 2.00 | 0.860 |
| 1,1,1-Trichloroethane | ND | | 2.00 | 0.800 |
| Carbon tetrachloride | ND | | 2.00 | 0.760 |
| 1,2-Dichloroethane (EDC) | ND | | 2.00 | 0.660 |
| Benzene | 2.33 | | 2.00 | 0.740 |
| Trichloroethene | ND | | 2.00 | 0.760 |
| 1,2-Dichloropropane | ND | | 2.00 | 0.680 |
| 1,4-Dioxane | ND | | 400 | 39.1 |
| Bromodichloromethane | ND | | 2.00 | 0.620 |
| cis-1,3-Dichloropropene | ND | | 2.00 | 0.520 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | 0.560 |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-005
Client ID: MW-6
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0050.D

GC/MS Column: DB-624
Sample wt/vol: 2.5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 2
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Toluene | 1.21 | J | 2.00 | 0.560 |
| trans-1,3-Dichloropropene | ND | | 2.00 | 0.480 |
| 1,1,2-Trichloroethane | ND | | 2.00 | 0.800 |
| Tetrachloroethene | ND | | 2.00 | 0.660 |
| 2-Hexanone | ND | | 2.00 | 0.640 |
| Dibromochloromethane | ND | | 2.00 | 0.440 |
| 1,2-Dibromoethane (EDB) | ND | | 2.00 | 0.640 |
| Chlorobenzene | ND | | 2.00 | 0.860 |
| Ethylbenzene | 0.912 | J | 2.00 | 0.760 |
| Total Xylenes | 33.9 | | 4.00 | 1.58 |
| Styrene | ND | | 2.00 | 0.740 |
| Bromoform | ND | | 2.00 | 0.700 |
| Isopropylbenzene | 12.8 | | 2.00 | 0.680 |
| 1,1,2,2-Tetrachloroethane | ND | | 2.00 | 0.440 |
| 1,3-Dichlorobenzene | 1.69 | J | 2.00 | 0.680 |
| 1,4-Dichlorobenzene | 4.96 | | 2.00 | 0.740 |
| 1,2-Dichlorobenzene | ND | | 2.00 | 0.680 |
| 1,2-Dibromo-3-chloropropane | ND | | 2.00 | 1.14 |
| 1,2,4-Trichlorobenzene | ND | | 2.00 | 0.760 |
| 1,2,3-Trichlorobenzene | ND | | 2.00 | 0.560 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 2.00 | 0.900 |
| Methyl acetate | ND | | 2.00 | 0.860 |
| Cyclohexane | 11.6 | | 2.00 | 1.10 |
| Methylcyclohexane | 13.5 | | 2.00 | 1.04 |
| Total Target Compounds: | 97.3 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-006
Client ID: MW-7
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0041.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | | 1.00 | 0.350 |
| Chloromethane | ND | | 1.00 | 0.270 |
| Vinyl chloride | ND | | 1.00 | 0.410 |
| Bromomethane | ND | | 1.00 | 0.520 |
| Chloroethane | ND | | 1.00 | 0.620 |
| Trichlorofluoromethane | ND | | 1.00 | 0.460 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.450 |
| Acetone | ND | | 1.00 | 0.640 |
| Carbon disulfide | ND | | 1.00 | 0.420 |
| Methylene chloride | ND | | 2.00 | 1.98 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.460 |
| Methyl tert-butyl ether (MTBE) | ND | | 1.00 | 0.320 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.390 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.420 |
| 2-Butanone (MEK) | ND | | 1.00 | 0.210 |
| Bromochloromethane | ND | | 1.00 | 0.420 |
| Chloroform | ND | | 1.00 | 0.430 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.400 |
| Carbon tetrachloride | ND | | 1.00 | 0.380 |
| 1,2-Dichloroethane (EDC) | ND | | 1.00 | 0.330 |
| Benzene | ND | | 1.00 | 0.370 |
| Trichloroethene | ND | | 1.00 | 0.380 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.340 |
| 1,4-Dioxane | ND | | 200 | 19.6 |
| Bromodichloromethane | ND | | 1.00 | 0.310 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.260 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1.00 | 0.280 |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-006
Client ID: MW-7
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0041.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Toluene | ND | | 1.00 | 0.280 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.240 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.400 |
| Tetrachloroethene | ND | | 1.00 | 0.330 |
| 2-Hexanone | ND | | 1.00 | 0.320 |
| Dibromochloromethane | ND | | 1.00 | 0.220 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.320 |
| Chlorobenzene | ND | | 1.00 | 0.430 |
| Ethylbenzene | ND | | 1.00 | 0.380 |
| Total Xylenes | ND | | 2.00 | 0.790 |
| Styrene | ND | | 1.00 | 0.370 |
| Bromoform | ND | | 1.00 | 0.350 |
| Isopropylbenzene | ND | | 1.00 | 0.340 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.220 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.370 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,2-Dibromo-3-chloropropane | ND | | 1.00 | 0.570 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.380 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.280 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.00 | 0.450 |
| Methyl acetate | ND | | 1.00 | 0.430 |
| Cyclohexane | ND | | 1.00 | 0.550 |
| Methylcyclohexane | ND | | 1.00 | 0.520 |

Total Target Compounds: 0

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-007
Client ID: MW-8
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0042.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | | 1.00 | 0.350 |
| Chloromethane | ND | | 1.00 | 0.270 |
| Vinyl chloride | ND | | 1.00 | 0.410 |
| Bromomethane | ND | | 1.00 | 0.520 |
| Chloroethane | ND | | 1.00 | 0.620 |
| Trichlorofluoromethane | ND | | 1.00 | 0.460 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.450 |
| Acetone | ND | | 1.00 | 0.640 |
| Carbon disulfide | ND | | 1.00 | 0.420 |
| Methylene chloride | ND | | 2.00 | 1.98 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.460 |
| Methyl tert-butyl ether (MTBE) | 0.419 | J | 1.00 | 0.320 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.390 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.420 |
| 2-Butanone (MEK) | ND | | 1.00 | 0.210 |
| Bromochloromethane | ND | | 1.00 | 0.420 |
| Chloroform | ND | | 1.00 | 0.430 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.400 |
| Carbon tetrachloride | ND | | 1.00 | 0.380 |
| 1,2-Dichloroethane (EDC) | ND | | 1.00 | 0.330 |
| Benzene | ND | | 1.00 | 0.370 |
| Trichloroethene | 1.12 | | 1.00 | 0.380 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.340 |
| 1,4-Dioxane | ND | | 200 | 19.6 |
| Bromodichloromethane | ND | | 1.00 | 0.310 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.260 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1.00 | 0.280 |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-007
Client ID: MW-8
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0042.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Toluene | ND | | 1.00 | 0.280 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.240 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.400 |
| Tetrachloroethene | 12.4 | | 1.00 | 0.330 |
| 2-Hexanone | ND | | 1.00 | 0.320 |
| Dibromochloromethane | ND | | 1.00 | 0.220 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.320 |
| Chlorobenzene | ND | | 1.00 | 0.430 |
| Ethylbenzene | ND | | 1.00 | 0.380 |
| Total Xylenes | ND | | 2.00 | 0.790 |
| Styrene | ND | | 1.00 | 0.370 |
| Bromoform | ND | | 1.00 | 0.350 |
| Isopropylbenzene | ND | | 1.00 | 0.340 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.220 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.370 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,2-Dibromo-3-chloropropane | ND | | 1.00 | 0.570 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.380 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.280 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.00 | 0.450 |
| Methyl acetate | ND | | 1.00 | 0.430 |
| Cyclohexane | ND | | 1.00 | 0.550 |
| Methylcyclohexane | ND | | 1.00 | 0.520 |
| Total Target Compounds: | 13.9 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-008
Client ID: MW-9
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0043.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | | 1.00 | 0.350 |
| Chloromethane | ND | | 1.00 | 0.270 |
| Vinyl chloride | ND | | 1.00 | 0.410 |
| Bromomethane | ND | | 1.00 | 0.520 |
| Chloroethane | ND | | 1.00 | 0.620 |
| Trichlorofluoromethane | ND | | 1.00 | 0.460 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.450 |
| Acetone | ND | | 1.00 | 0.640 |
| Carbon disulfide | ND | | 1.00 | 0.420 |
| Methylene chloride | ND | | 2.00 | 1.98 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.460 |
| Methyl tert-butyl ether (MTBE) | 1.34 | | 1.00 | 0.320 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.390 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.420 |
| 2-Butanone (MEK) | ND | | 1.00 | 0.210 |
| Bromochloromethane | ND | | 1.00 | 0.420 |
| Chloroform | ND | | 1.00 | 0.430 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.400 |
| Carbon tetrachloride | ND | | 1.00 | 0.380 |
| 1,2-Dichloroethane (EDC) | ND | | 1.00 | 0.330 |
| Benzene | ND | | 1.00 | 0.370 |
| Trichloroethene | 0.959 | J | 1.00 | 0.380 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.340 |
| 1,4-Dioxane | ND | | 200 | 19.6 |
| Bromodichloromethane | ND | | 1.00 | 0.310 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.260 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1.00 | 0.280 |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-008
Client ID: MW-9
Date Received: 10/29/2010
Date Analyzed: 11/04/2010
Data file: L0043.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Toluene | ND | | 1.00 | 0.280 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.240 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.400 |
| Tetrachloroethene | 5.24 | | 1.00 | 0.330 |
| 2-Hexanone | ND | | 1.00 | 0.320 |
| Dibromochloromethane | ND | | 1.00 | 0.220 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.320 |
| Chlorobenzene | ND | | 1.00 | 0.430 |
| Ethylbenzene | ND | | 1.00 | 0.380 |
| Total Xylenes | ND | | 2.00 | 0.790 |
| Styrene | ND | | 1.00 | 0.370 |
| Bromoform | ND | | 1.00 | 0.350 |
| Isopropylbenzene | ND | | 1.00 | 0.340 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.220 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.370 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,2-Dibromo-3-chloropropane | ND | | 1.00 | 0.570 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.380 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.280 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.00 | 0.450 |
| Methyl acetate | ND | | 1.00 | 0.430 |
| Cyclohexane | ND | | 1.00 | 0.550 |
| Methylcyclohexane | ND | | 1.00 | 0.520 |
| Total Target Compounds: | 7.54 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-001
Client ID: MW-1
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4527.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Benzaldehyde | ND | | 1.00 | 0.660 |
| Bis(2-chloroethyl) ether | ND | | 1.00 | 0.240 |
| Bis(2-chloroisopropyl) ether | ND | | 1.00 | 0.220 |
| N-Nitrosodi-n-propylamine | ND | | 1.00 | 0.260 |
| Acetophenone | ND | | 1.00 | 0.240 |
| Hexachloroethane | ND | | 1.00 | 0.300 |
| Nitrobenzene | ND | | 1.00 | 0.280 |
| Isophorone | ND | | 1.00 | 0.720 |
| Bis(2-chloroethoxy) methane | ND | | 1.00 | 0.250 |
| Naphthalene | ND | | 1.00 | 0.224 |
| 4-Chloroaniline | ND | | 1.00 | 0.230 |
| Hexachlorobutadiene | ND | | 1.00 | 0.210 |
| Caprolactam | ND | | 1.00 | 0.500 |
| 2-Methylnaphthalene | ND | | 1.00 | 0.393 |
| Hexachlorocyclopentadiene | ND | | 1.00 | 0.210 |
| 1,1'-Biphenyl | ND | | 1.00 | 0.220 |
| 2-Chloronaphthalene | ND | | 1.00 | 0.250 |
| 2-Nitroaniline | ND | | 1.00 | 0.220 |
| Dimethyl phthalate | ND | | 1.00 | 0.250 |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-001
Client ID: MW-1
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4527.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| 2,6-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Acenaphthylene | ND | | 1.00 | 0.257 |
| 3-Nitroaniline | ND | | 1.00 | 0.250 |
| Acenaphthene | 0.641 | J | 1.00 | 0.212 |
| 2,4-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Dibenzofuran | ND | | 1.00 | 0.260 |
| Diethyl phthalate | ND | | 1.00 | 0.220 |
| Fluorene | 1.05 | | 1.00 | 0.288 |
| 4-Chlorophenyl phenyl ether | ND | | 1.00 | 0.220 |
| 4-Nitroaniline | ND | | 1.00 | 0.220 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 1.00 | 0.240 |
| N-Nitrosodiphenylamine | ND | | 1.00 | 0.240 |
| 4-Bromophenyl phenyl ether | ND | | 1.00 | 0.210 |
| Hexachlorobenzene | ND | | 1.00 | 0.220 |
| Atrazine | ND | | 1.00 | 0.250 |
| Phenanthrene | ND | | 1.00 | 0.227 |
| Anthracene | ND | | 1.00 | 0.213 |
| Carbazole | ND | | 1.00 | 0.220 |
| Di-n-butyl phthalate | ND | | 1.00 | 0.220 |
| Fluoranthene | ND | | 1.00 | 0.260 |
| Pyrene | 0.252 | J | 1.00 | 0.234 |
| Butyl benzyl phthalate | ND | | 1.00 | 0.280 |
| 3,3'-Dichlorobenzidine | ND | | 1.00 | 0.260 |
| Benzo[a]anthracene | ND | | 1.00 | 0.220 |
| Chrysene | ND | | 1.00 | 0.223 |
| Bis(2-ethylhexyl) phthalate | ND | | 1.00 | 0.320 |
| Di-n-octyl phthalate | ND | | 1.00 | 0.300 |
| Benzo[b]fluoranthene | ND | | 1.00 | 0.270 |
| Benzo[k]fluoranthene | ND | | 1.00 | 0.260 |
| Benzo[a]pyrene | ND | | 1.00 | 0.250 |
| Indeno[1,2,3-cd]pyrene | ND | | 1.00 | 0.290 |
| Dibenz[a,h]anthracene | ND | | 1.00 | 0.290 |
| Benzo[g,h,i]perylene | ND | | 1.00 | 0.299 |
| Total Target Compounds: | 1.94 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-002
Client ID: MW-2
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4528.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Benzaldehyde | ND | | 1.00 | 0.660 |
| Bis(2-chloroethyl) ether | ND | | 1.00 | 0.240 |
| Bis(2-chloroisopropyl) ether | ND | | 1.00 | 0.220 |
| N-Nitrosodi-n-propylamine | ND | | 1.00 | 0.260 |
| Acetophenone | ND | | 1.00 | 0.240 |
| Hexachloroethane | ND | | 1.00 | 0.300 |
| Nitrobenzene | ND | | 1.00 | 0.280 |
| Isophorone | ND | | 1.00 | 0.720 |
| Bis(2-chloroethoxy) methane | ND | | 1.00 | 0.250 |
| Naphthalene | ND | | 1.00 | 0.224 |
| 4-Chloroaniline | ND | | 1.00 | 0.230 |
| Hexachlorobutadiene | ND | | 1.00 | 0.210 |
| Caprolactam | ND | | 1.00 | 0.500 |
| 2-Methylnaphthalene | ND | | 1.00 | 0.393 |
| Hexachlorocyclopentadiene | ND | | 1.00 | 0.210 |
| 1,1'-Biphenyl | ND | | 1.00 | 0.220 |
| 2-Chloronaphthalene | ND | | 1.00 | 0.250 |
| 2-Nitroaniline | ND | | 1.00 | 0.220 |
| Dimethyl phthalate | ND | | 1.00 | 0.250 |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-002
Client ID: MW-2
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4528.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| 2,6-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Acenaphthylene | ND | | 1.00 | 0.257 |
| 3-Nitroaniline | ND | | 1.00 | 0.250 |
| Acenaphthene | ND | | 1.00 | 0.212 |
| 2,4-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Dibenzofuran | ND | | 1.00 | 0.260 |
| Diethyl phthalate | ND | | 1.00 | 0.220 |
| Fluorene | ND | | 1.00 | 0.288 |
| 4-Chlorophenyl phenyl ether | ND | | 1.00 | 0.220 |
| 4-Nitroaniline | ND | | 1.00 | 0.220 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 1.00 | 0.240 |
| N-Nitrosodiphenylamine | ND | | 1.00 | 0.240 |
| 4-Bromophenyl phenyl ether | ND | | 1.00 | 0.210 |
| Hexachlorobenzene | ND | | 1.00 | 0.220 |
| Atrazine | ND | | 1.00 | 0.250 |
| Phenanthrene | ND | | 1.00 | 0.227 |
| Anthracene | ND | | 1.00 | 0.213 |
| Carbazole | ND | | 1.00 | 0.220 |
| Di-n-butyl phthalate | ND | | 1.00 | 0.220 |
| Fluoranthene | ND | | 1.00 | 0.260 |
| Pyrene | ND | | 1.00 | 0.234 |
| Butyl benzyl phthalate | ND | | 1.00 | 0.280 |
| 3,3'-Dichlorobenzidine | ND | | 1.00 | 0.260 |
| Benzo[a]anthracene | ND | | 1.00 | 0.220 |
| Chrysene | ND | | 1.00 | 0.223 |
| Bis(2-ethylhexyl) phthalate | ND | | 1.00 | 0.320 |
| Di-n-octyl phthalate | ND | | 1.00 | 0.300 |
| Benzo[b]fluoranthene | ND | | 1.00 | 0.270 |
| Benzo[k]fluoranthene | ND | | 1.00 | 0.260 |
| Benzo[a]pyrene | ND | | 1.00 | 0.250 |
| Indeno[1,2,3-cd]pyrene | ND | | 1.00 | 0.290 |
| Dibenz[a,h]anthracene | ND | | 1.00 | 0.290 |
| Benzo[g,h,i]perylene | ND | | 1.00 | 0.299 |

Total Target Compounds: 0

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-003
Client ID: MW-3
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4529.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Benzaldehyde | ND | | 1.00 | 0.660 |
| Bis(2-chloroethyl) ether | ND | | 1.00 | 0.240 |
| Bis(2-chloroisopropyl) ether | ND | | 1.00 | 0.220 |
| N-Nitrosodi-n-propylamine | ND | | 1.00 | 0.260 |
| Acetophenone | ND | | 1.00 | 0.240 |
| Hexachloroethane | ND | | 1.00 | 0.300 |
| Nitrobenzene | ND | | 1.00 | 0.280 |
| Isophorone | ND | | 1.00 | 0.720 |
| Bis(2-chloroethoxy) methane | ND | | 1.00 | 0.250 |
| Naphthalene | ND | | 1.00 | 0.224 |
| 4-Chloroaniline | ND | | 1.00 | 0.230 |
| Hexachlorobutadiene | ND | | 1.00 | 0.210 |
| Caprolactam | ND | | 1.00 | 0.500 |
| 2-Methylnaphthalene | ND | | 1.00 | 0.393 |
| Hexachlorocyclopentadiene | ND | | 1.00 | 0.210 |
| 1,1'-Biphenyl | ND | | 1.00 | 0.220 |
| 2-Chloronaphthalene | ND | | 1.00 | 0.250 |
| 2-Nitroaniline | ND | | 1.00 | 0.220 |
| Dimethyl phthalate | ND | | 1.00 | 0.250 |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-003
Client ID: MW-3
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4529.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| 2,6-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Acenaphthylene | ND | | 1.00 | 0.257 |
| 3-Nitroaniline | ND | | 1.00 | 0.250 |
| Acenaphthene | ND | | 1.00 | 0.212 |
| 2,4-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Dibenzofuran | ND | | 1.00 | 0.260 |
| Diethyl phthalate | ND | | 1.00 | 0.220 |
| Fluorene | ND | | 1.00 | 0.288 |
| 4-Chlorophenyl phenyl ether | ND | | 1.00 | 0.220 |
| 4-Nitroaniline | ND | | 1.00 | 0.220 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 1.00 | 0.240 |
| N-Nitrosodiphenylamine | ND | | 1.00 | 0.240 |
| 4-Bromophenyl phenyl ether | ND | | 1.00 | 0.210 |
| Hexachlorobenzene | ND | | 1.00 | 0.220 |
| Atrazine | ND | | 1.00 | 0.250 |
| Phenanthrene | ND | | 1.00 | 0.227 |
| Anthracene | ND | | 1.00 | 0.213 |
| Carbazole | ND | | 1.00 | 0.220 |
| Di-n-butyl phthalate | ND | | 1.00 | 0.220 |
| Fluoranthene | ND | | 1.00 | 0.260 |
| Pyrene | ND | | 1.00 | 0.234 |
| Butyl benzyl phthalate | ND | | 1.00 | 0.280 |
| 3,3'-Dichlorobenzidine | ND | | 1.00 | 0.260 |
| Benzo[a]anthracene | ND | | 1.00 | 0.220 |
| Chrysene | ND | | 1.00 | 0.223 |
| Bis(2-ethylhexyl) phthalate | 0.427 | J | 1.00 | 0.320 |
| Di-n-octyl phthalate | ND | | 1.00 | 0.300 |
| Benzo[b]fluoranthene | ND | | 1.00 | 0.270 |
| Benzo[k]fluoranthene | ND | | 1.00 | 0.260 |
| Benzo[a]pyrene | ND | | 1.00 | 0.250 |
| Indeno[1,2,3-cd]pyrene | ND | | 1.00 | 0.290 |
| Dibenz[a,h]anthracene | ND | | 1.00 | 0.290 |
| Benzo[g,h,i]perylene | ND | | 1.00 | 0.299 |
| Total Target Compounds: | 0.427 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-004
Client ID: MW-4
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4530.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Benzaldehyde | ND | | 1.00 | 0.660 |
| Bis(2-chloroethyl) ether | ND | | 1.00 | 0.240 |
| Bis(2-chloroisopropyl) ether | ND | | 1.00 | 0.220 |
| N-Nitrosodi-n-propylamine | ND | | 1.00 | 0.260 |
| Acetophenone | ND | | 1.00 | 0.240 |
| Hexachloroethane | ND | | 1.00 | 0.300 |
| Nitrobenzene | ND | | 1.00 | 0.280 |
| Isophorone | ND | | 1.00 | 0.720 |
| Bis(2-chloroethoxy) methane | ND | | 1.00 | 0.250 |
| Naphthalene | 6.17 | | 1.00 | 0.224 |
| 4-Chloroaniline | ND | | 1.00 | 0.230 |
| Hexachlorobutadiene | ND | | 1.00 | 0.210 |
| Caprolactam | ND | | 1.00 | 0.500 |
| 2-Methylnaphthalene | 1.03 | | 1.00 | 0.393 |
| Hexachlorocyclopentadiene | ND | | 1.00 | 0.210 |
| 1,1'-Biphenyl | ND | | 1.00 | 0.220 |
| 2-Chloronaphthalene | ND | | 1.00 | 0.250 |
| 2-Nitroaniline | ND | | 1.00 | 0.220 |
| Dimethyl phthalate | ND | | 1.00 | 0.250 |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-004
Client ID: MW-4
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4530.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| 2,6-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Acenaphthylene | ND | | 1.00 | 0.257 |
| 3-Nitroaniline | ND | | 1.00 | 0.250 |
| Acenaphthene | 0.511 | J | 1.00 | 0.212 |
| 2,4-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Dibenzofuran | ND | | 1.00 | 0.260 |
| Diethyl phthalate | ND | | 1.00 | 0.220 |
| Fluorene | 0.300 | J | 1.00 | 0.288 |
| 4-Chlorophenyl phenyl ether | ND | | 1.00 | 0.220 |
| 4-Nitroaniline | ND | | 1.00 | 0.220 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 1.00 | 0.240 |
| N-Nitrosodiphenylamine | ND | | 1.00 | 0.240 |
| 4-Bromophenyl phenyl ether | ND | | 1.00 | 0.210 |
| Hexachlorobenzene | ND | | 1.00 | 0.220 |
| Atrazine | ND | | 1.00 | 0.250 |
| Phenanthrene | ND | | 1.00 | 0.227 |
| Anthracene | ND | | 1.00 | 0.213 |
| Carbazole | ND | | 1.00 | 0.220 |
| Di-n-butyl phthalate | ND | | 1.00 | 0.220 |
| Fluoranthene | ND | | 1.00 | 0.260 |
| Pyrene | ND | | 1.00 | 0.234 |
| Butyl benzyl phthalate | ND | | 1.00 | 0.280 |
| 3,3'-Dichlorobenzidine | ND | | 1.00 | 0.260 |
| Benzo[a]anthracene | ND | | 1.00 | 0.220 |
| Chrysene | ND | | 1.00 | 0.223 |
| Bis(2-ethylhexyl) phthalate | ND | | 1.00 | 0.320 |
| Di-n-octyl phthalate | ND | | 1.00 | 0.300 |
| Benzo[b]fluoranthene | ND | | 1.00 | 0.270 |
| Benzo[k]fluoranthene | ND | | 1.00 | 0.260 |
| Benzo[a]pyrene | ND | | 1.00 | 0.250 |
| Indeno[1,2,3-cd]pyrene | ND | | 1.00 | 0.290 |
| Dibenz[a,h]anthracene | ND | | 1.00 | 0.290 |
| Benzo[g,h,i]perylene | ND | | 1.00 | 0.299 |
| Total Target Compounds: | 8.01 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-005
Client ID: MW-6
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4531.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Benzaldehyde | ND | | 1.00 | 0.660 |
| Bis(2-chloroethyl) ether | ND | | 1.00 | 0.240 |
| Bis(2-chloroisopropyl) ether | ND | | 1.00 | 0.220 |
| N-Nitrosodi-n-propylamine | ND | | 1.00 | 0.260 |
| Acetophenone | ND | | 1.00 | 0.240 |
| Hexachloroethane | ND | | 1.00 | 0.300 |
| Nitrobenzene | ND | | 1.00 | 0.280 |
| Isophorone | ND | | 1.00 | 0.720 |
| Bis(2-chloroethoxy) methane | ND | | 1.00 | 0.250 |
| Naphthalene | 1.59 | | 1.00 | 0.224 |
| 4-Chloroaniline | ND | | 1.00 | 0.230 |
| Hexachlorobutadiene | ND | | 1.00 | 0.210 |
| Caprolactam | ND | | 1.00 | 0.500 |
| 2-Methylnaphthalene | 82.5 | | 1.00 | 0.393 |
| Hexachlorocyclopentadiene | ND | | 1.00 | 0.210 |
| 1,1'-Biphenyl | ND | | 1.00 | 0.220 |
| 2-Chloronaphthalene | ND | | 1.00 | 0.250 |
| 2-Nitroaniline | ND | | 1.00 | 0.220 |
| Dimethyl phthalate | ND | | 1.00 | 0.250 |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-005
Client ID: MW-6
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4531.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| 2,6-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Acenaphthylene | 0.484 | J | 1.00 | 0.257 |
| 3-Nitroaniline | ND | | 1.00 | 0.250 |
| Acenaphthene | 2.92 | | 1.00 | 0.212 |
| 2,4-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Dibenzofuran | 2.41 | | 1.00 | 0.260 |
| Diethyl phthalate | 1.20 | | 1.00 | 0.220 |
| Fluorene | 5.47 | | 1.00 | 0.288 |
| 4-Chlorophenyl phenyl ether | ND | | 1.00 | 0.220 |
| 4-Nitroaniline | ND | | 1.00 | 0.220 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 1.00 | 0.240 |
| N-Nitrosodiphenylamine | ND | | 1.00 | 0.240 |
| 4-Bromophenyl phenyl ether | ND | | 1.00 | 0.210 |
| Hexachlorobenzene | ND | | 1.00 | 0.220 |
| Atrazine | ND | | 1.00 | 0.250 |
| Phenanthrene | 4.01 | | 1.00 | 0.227 |
| Anthracene | ND | | 1.00 | 0.213 |
| Carbazole | ND | | 1.00 | 0.220 |
| Di-n-butyl phthalate | ND | | 1.00 | 0.220 |
| Fluoranthene | ND | | 1.00 | 0.260 |
| Pyrene | 0.312 | J | 1.00 | 0.234 |
| Butyl benzyl phthalate | ND | | 1.00 | 0.280 |
| 3,3'-Dichlorobenzidine | ND | | 1.00 | 0.260 |
| Benzo[a]anthracene | ND | | 1.00 | 0.220 |
| Chrysene | ND | | 1.00 | 0.223 |
| Bis(2-ethylhexyl) phthalate | ND | | 1.00 | 0.320 |
| Di-n-octyl phthalate | ND | | 1.00 | 0.300 |
| Benzo[b]fluoranthene | ND | | 1.00 | 0.270 |
| Benzo[k]fluoranthene | ND | | 1.00 | 0.260 |
| Benzo[a]pyrene | ND | | 1.00 | 0.250 |
| Indeno[1,2,3-cd]pyrene | ND | | 1.00 | 0.290 |
| Dibenz[a,h]anthracene | ND | | 1.00 | 0.290 |
| Benzo[g,h,i]perylene | ND | | 1.00 | 0.299 |
| Total Target Compounds: | 101 | J | | |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-006
Client ID: MW-7
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4532.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Benzaldehyde | ND | | 1.00 | 0.660 |
| Bis(2-chloroethyl) ether | ND | | 1.00 | 0.240 |
| Bis(2-chloroisopropyl) ether | ND | | 1.00 | 0.220 |
| N-Nitrosodi-n-propylamine | ND | | 1.00 | 0.260 |
| Acetophenone | ND | | 1.00 | 0.240 |
| Hexachloroethane | ND | | 1.00 | 0.300 |
| Nitrobenzene | ND | | 1.00 | 0.280 |
| Isophorone | ND | | 1.00 | 0.720 |
| Bis(2-chloroethoxy) methane | ND | | 1.00 | 0.250 |
| Naphthalene | ND | | 1.00 | 0.224 |
| 4-Chloroaniline | ND | | 1.00 | 0.230 |
| Hexachlorobutadiene | ND | | 1.00 | 0.210 |
| Caprolactam | ND | | 1.00 | 0.500 |
| 2-Methylnaphthalene | ND | | 1.00 | 0.393 |
| Hexachlorocyclopentadiene | ND | | 1.00 | 0.210 |
| 1,1'-Biphenyl | ND | | 1.00 | 0.220 |
| 2-Chloronaphthalene | ND | | 1.00 | 0.250 |
| 2-Nitroaniline | ND | | 1.00 | 0.220 |
| Dimethyl phthalate | ND | | 1.00 | 0.250 |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-006
Client ID: MW-7
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4532.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| 2,6-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Acenaphthylene | ND | | 1.00 | 0.257 |
| 3-Nitroaniline | ND | | 1.00 | 0.250 |
| Acenaphthene | ND | | 1.00 | 0.212 |
| 2,4-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Dibenzofuran | ND | | 1.00 | 0.260 |
| Diethyl phthalate | ND | | 1.00 | 0.220 |
| Fluorene | ND | | 1.00 | 0.288 |
| 4-Chlorophenyl phenyl ether | ND | | 1.00 | 0.220 |
| 4-Nitroaniline | ND | | 1.00 | 0.220 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 1.00 | 0.240 |
| N-Nitrosodiphenylamine | ND | | 1.00 | 0.240 |
| 4-Bromophenyl phenyl ether | ND | | 1.00 | 0.210 |
| Hexachlorobenzene | ND | | 1.00 | 0.220 |
| Atrazine | ND | | 1.00 | 0.250 |
| Phenanthrene | ND | | 1.00 | 0.227 |
| Anthracene | ND | | 1.00 | 0.213 |
| Carbazole | ND | | 1.00 | 0.220 |
| Di-n-butyl phthalate | ND | | 1.00 | 0.220 |
| Fluoranthene | ND | | 1.00 | 0.260 |
| Pyrene | ND | | 1.00 | 0.234 |
| Butyl benzyl phthalate | ND | | 1.00 | 0.280 |
| 3,3'-Dichlorobenzidine | ND | | 1.00 | 0.260 |
| Benzo[a]anthracene | ND | | 1.00 | 0.220 |
| Chrysene | ND | | 1.00 | 0.223 |
| Bis(2-ethylhexyl) phthalate | ND | | 1.00 | 0.320 |
| Di-n-octyl phthalate | ND | | 1.00 | 0.300 |
| Benzo[b]fluoranthene | ND | | 1.00 | 0.270 |
| Benzo[k]fluoranthene | ND | | 1.00 | 0.260 |
| Benzo[a]pyrene | ND | | 1.00 | 0.250 |
| Indeno[1,2,3-cd]pyrene | ND | | 1.00 | 0.290 |
| Dibenz[a,h]anthracene | ND | | 1.00 | 0.290 |
| Benzo[g,h,i]perylene | ND | | 1.00 | 0.299 |

Total Target Compounds: 0

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-007
Client ID: MW-8
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4533.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Benzaldehyde | ND | | 1.00 | 0.660 |
| Bis(2-chloroethyl) ether | ND | | 1.00 | 0.240 |
| Bis(2-chloroisopropyl) ether | ND | | 1.00 | 0.220 |
| N-Nitrosodi-n-propylamine | ND | | 1.00 | 0.260 |
| Acetophenone | ND | | 1.00 | 0.240 |
| Hexachloroethane | ND | | 1.00 | 0.300 |
| Nitrobenzene | ND | | 1.00 | 0.280 |
| Isophorone | ND | | 1.00 | 0.720 |
| Bis(2-chloroethoxy) methane | ND | | 1.00 | 0.250 |
| Naphthalene | ND | | 1.00 | 0.224 |
| 4-Chloroaniline | ND | | 1.00 | 0.230 |
| Hexachlorobutadiene | ND | | 1.00 | 0.210 |
| Caprolactam | ND | | 1.00 | 0.500 |
| 2-Methylnaphthalene | ND | | 1.00 | 0.393 |
| Hexachlorocyclopentadiene | ND | | 1.00 | 0.210 |
| 1,1'-Biphenyl | ND | | 1.00 | 0.220 |
| 2-Chloronaphthalene | ND | | 1.00 | 0.250 |
| 2-Nitroaniline | ND | | 1.00 | 0.220 |
| Dimethyl phthalate | ND | | 1.00 | 0.250 |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-007
Client ID: MW-8
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4533.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| 2,6-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Acenaphthylene | ND | | 1.00 | 0.257 |
| 3-Nitroaniline | ND | | 1.00 | 0.250 |
| Acenaphthene | ND | | 1.00 | 0.212 |
| 2,4-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Dibenzofuran | ND | | 1.00 | 0.260 |
| Diethyl phthalate | 1.14 | | 1.00 | 0.220 |
| Fluorene | ND | | 1.00 | 0.288 |
| 4-Chlorophenyl phenyl ether | ND | | 1.00 | 0.220 |
| 4-Nitroaniline | ND | | 1.00 | 0.220 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 1.00 | 0.240 |
| N-Nitrosodiphenylamine | ND | | 1.00 | 0.240 |
| 4-Bromophenyl phenyl ether | ND | | 1.00 | 0.210 |
| Hexachlorobenzene | ND | | 1.00 | 0.220 |
| Atrazine | ND | | 1.00 | 0.250 |
| Phenanthrene | ND | | 1.00 | 0.227 |
| Anthracene | ND | | 1.00 | 0.213 |
| Carbazole | ND | | 1.00 | 0.220 |
| Di-n-butyl phthalate | ND | | 1.00 | 0.220 |
| Fluoranthene | ND | | 1.00 | 0.260 |
| Pyrene | ND | | 1.00 | 0.234 |
| Butyl benzyl phthalate | ND | | 1.00 | 0.280 |
| 3,3'-Dichlorobenzidine | ND | | 1.00 | 0.260 |
| Benzo[a]anthracene | ND | | 1.00 | 0.220 |
| Chrysene | ND | | 1.00 | 0.223 |
| Bis(2-ethylhexyl) phthalate | ND | | 1.00 | 0.320 |
| Di-n-octyl phthalate | ND | | 1.00 | 0.300 |
| Benzo[b]fluoranthene | ND | | 1.00 | 0.270 |
| Benzo[k]fluoranthene | ND | | 1.00 | 0.260 |
| Benzo[a]pyrene | ND | | 1.00 | 0.250 |
| Indeno[1,2,3-cd]pyrene | ND | | 1.00 | 0.290 |
| Dibenz[a,h]anthracene | ND | | 1.00 | 0.290 |
| Benzo[g,h,i]perylene | ND | | 1.00 | 0.299 |

Total Target Compounds: 1.14

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-008
Client ID: MW-9
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4534.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Benzaldehyde | ND | | 1.00 | 0.660 |
| Bis(2-chloroethyl) ether | ND | | 1.00 | 0.240 |
| Bis(2-chloroisopropyl) ether | ND | | 1.00 | 0.220 |
| N-Nitrosodi-n-propylamine | ND | | 1.00 | 0.260 |
| Acetophenone | ND | | 1.00 | 0.240 |
| Hexachloroethane | ND | | 1.00 | 0.300 |
| Nitrobenzene | ND | | 1.00 | 0.280 |
| Isophorone | ND | | 1.00 | 0.720 |
| Bis(2-chloroethoxy) methane | ND | | 1.00 | 0.250 |
| Naphthalene | ND | | 1.00 | 0.224 |
| 4-Chloroaniline | ND | | 1.00 | 0.230 |
| Hexachlorobutadiene | ND | | 1.00 | 0.210 |
| Caprolactam | ND | | 1.00 | 0.500 |
| 2-Methylnaphthalene | ND | | 1.00 | 0.393 |
| Hexachlorocyclopentadiene | ND | | 1.00 | 0.210 |
| 1,1'-Biphenyl | ND | | 1.00 | 0.220 |
| 2-Chloronaphthalene | ND | | 1.00 | 0.250 |
| 2-Nitroaniline | ND | | 1.00 | 0.220 |
| Dimethyl phthalate | ND | | 1.00 | 0.250 |

## INTEGRATED ANALYTICAL LABORATORIES

## SEMIVOLATILE ORGANICS

Client/Project: BRINK/PETROCELLI

Lab ID: 11011-008
Client ID: MW-9
Date Received: 10/29/2010
Date Extracted: 11/02/2010
Date Analyzed: 11/02/2010
Data file: A4534.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| 2,6-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Acenaphthylene | ND | | 1.00 | 0.257 |
| 3-Nitroaniline | ND | | 1.00 | 0.250 |
| Acenaphthene | ND | | 1.00 | 0.212 |
| 2,4-Dinitrotoluene | ND | | 1.00 | 0.220 |
| Dibenzofuran | ND | | 1.00 | 0.260 |
| Diethyl phthalate | 2.41 | | 1.00 | 0.220 |
| Fluorene | ND | | 1.00 | 0.288 |
| 4-Chlorophenyl phenyl ether | ND | | 1.00 | 0.220 |
| 4-Nitroaniline | ND | | 1.00 | 0.220 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 1.00 | 0.240 |
| N-Nitrosodiphenylamine | ND | | 1.00 | 0.240 |
| 4-Bromophenyl phenyl ether | ND | | 1.00 | 0.210 |
| Hexachlorobenzene | ND | | 1.00 | 0.220 |
| Atrazine | ND | | 1.00 | 0.250 |
| Phenanthrene | ND | | 1.00 | 0.227 |
| Anthracene | ND | | 1.00 | 0.213 |
| Carbazole | ND | | 1.00 | 0.220 |
| Di-n-butyl phthalate | ND | | 1.00 | 0.220 |
| Fluoranthene | ND | | 1.00 | 0.260 |
| Pyrene | ND | | 1.00 | 0.234 |
| Butyl benzyl phthalate | ND | | 1.00 | 0.280 |
| 3,3'-Dichlorobenzidine | ND | | 1.00 | 0.260 |
| Benzo[a]anthracene | ND | | 1.00 | 0.220 |
| Chrysene | ND | | 1.00 | 0.223 |
| Bis(2-ethylhexyl) phthalate | ND | | 1.00 | 0.320 |
| Di-n-octyl phthalate | ND | | 1.00 | 0.300 |
| Benzo[b]fluoranthene | ND | | 1.00 | 0.270 |
| Benzo[k]fluoranthene | ND | | 1.00 | 0.260 |
| Benzo[a]pyrene | ND | | 1.00 | 0.250 |
| Indeno[1,2,3-cd]pyrene | ND | | 1.00 | 0.290 |
| Dibenz[a,h]anthracene | ND | | 1.00 | 0.290 |
| Benzo[g,h,i]perylene | ND | | 1.00 | 0.299 |

Total Target Compounds: 2.41

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: N/A
Date Received:
Date Analyzed: 11/04/2010
Data file: L0032.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | | 1.00 | 0.350 |
| Chloromethane | ND | | 1.00 | 0.270 |
| Vinyl chloride | ND | | 1.00 | 0.410 |
| Bromomethane | ND | | 1.00 | 0.520 |
| Chloroethane | ND | | 1.00 | 0.620 |
| Trichlorofluoromethane | ND | | 1.00 | 0.460 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.450 |
| Acetone | ND | | 1.00 | 0.640 |
| Carbon disulfide | ND | | 1.00 | 0.420 |
| Methylene chloride | ND | | 2.00 | 1.98 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.460 |
| Methyl tert-butyl ether (MTBE) | ND | | 1.00 | 0.320 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.390 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.420 |
| 2-Butanone (MEK) | ND | | 1.00 | 0.210 |
| Bromochloromethane | ND | | 1.00 | 0.420 |
| Chloroform | ND | | 1.00 | 0.430 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.400 |
| Carbon tetrachloride | ND | | 1.00 | 0.380 |
| 1,2-Dichloroethane (EDC) | ND | | 1.00 | 0.330 |
| Benzene | ND | | 1.00 | 0.370 |
| Trichloroethene | ND | | 1.00 | 0.380 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.340 |
| 1,4-Dioxane | ND | | 200 | 19.6 |
| Bromodichloromethane | ND | | 1.00 | 0.310 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.260 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1.00 | 0.280 |

## INTEGRATED ANALYTICAL LABORATORIES

## VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: N/A
Date Received:
Date Analyzed: 11/04/2010
Data file: L0032.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Toluene | ND | | 1.00 | 0.280 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.240 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.400 |
| Tetrachloroethene | ND | | 1.00 | 0.330 |
| 2-Hexanone | ND | | 1.00 | 0.320 |
| Dibromochloromethane | ND | | 1.00 | 0.220 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.320 |
| Chlorobenzene | ND | | 1.00 | 0.430 |
| Ethylbenzene | ND | | 1.00 | 0.380 |
| Total Xylenes | ND | | 2.00 | 0.790 |
| Styrene | ND | | 1.00 | 0.370 |
| Bromoform | ND | | 1.00 | 0.350 |
| Isopropylbenzene | ND | | 1.00 | 0.340 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.220 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.370 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.340 |
| 1,2-Dibromo-3-chloropropane | ND | | 1.00 | 0.570 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.380 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.280 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.00 | 0.450 |
| Methyl acetate | ND | | 1.00 | 0.430 |
| Cyclohexane | ND | | 1.00 | 0.550 |
| Methylcyclohexane | ND | | 1.00 | 0.520 |

Total Target Compounds: 0

## INTEGRATED ANALYTICAL LABORATORIES

### VOLATILE ORGANICS
### Tentatively Identified Compounds

Client/Project:

Lab ID: METHOD-BLK
Client ID: N/A
Date Received:
Date Analyzed: 11/04/2010
Date File: L0032.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

| CAS # | Compound | Estimated Concentration | Retention Time |
|---|---|---|---|

No peaks detected

Total TICs = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0048.D
Acq On : 4 Nov 2010 19:39
Operator : MEI
Sample : MW-1,11011-001,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 22 10:42:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration

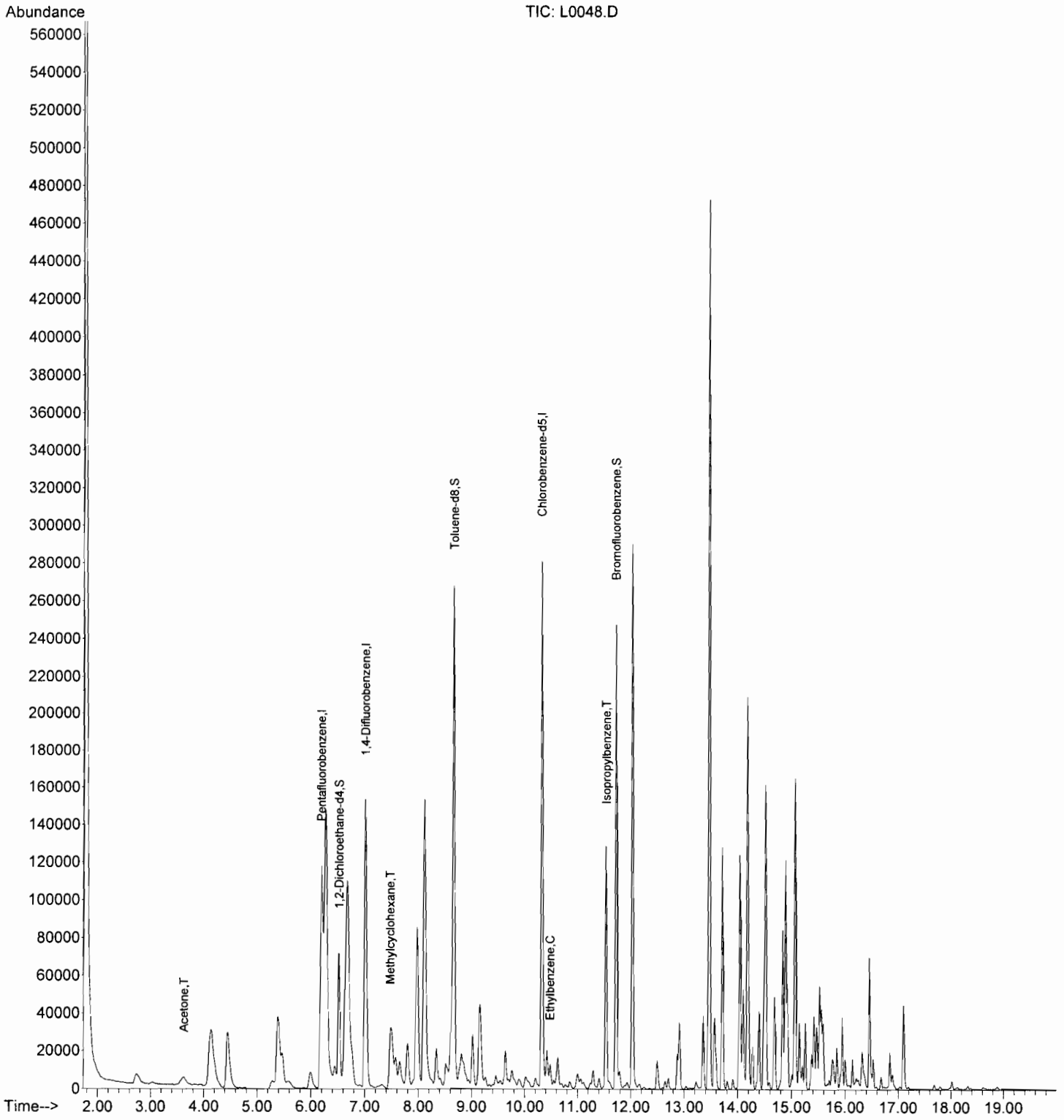
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.20 | 168 | 158385 | 50.00 | UG | | 0.00 |
| 31) 1,4-Difluorobenzene | 7.01 | 114 | 219526 | 50.00 | UG | | 0.00 |
| 50) Chlorobenzene-d5 | 10.32 | 117 | 219385 | 50.00 | UG | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 30) 1,2-Dichloroethane-d4 | 6.53 | 65 | 65884 | 46.06 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 43 - 133 | | Recovery = 92.12% | | | | |
| 41) Toluene-d8 | 8.67 | 98 | 262090 | 50.74 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 39 - 137 | | Recovery = 101.48% | | | | |
| 59) Bromofluorobenzene | 11.72 | 95 | 95052 | 49.08 | UG | | 0.00 |
| Spiked Amount 50.000 | Range 23 - 145 | | Recovery = 98.16% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Acetone | 3.63 | 43 | 8435 | 14.56 | UG | # | 88 |
| 53) Ethylbenzene | 10.49 | 91 | 5635 | 0.73 | UG | | 99 |
| 58) Isopropylbenzene | 11.54 | 105 | 117342 | 15.17 | UG | | 98 |
| 83) Methylcyclohexane | 7.48 | 55 | 20753 | 15.49 | UG | # | 36 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0048.D
Acq On : 4 Nov 2010 19:39
Operator : MEI
Sample : MW-1,11011-001,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 22 10:42:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0045.D
Acq On : 4 Nov 2010 18:17
Operator : MEI
Sample : MW-2,11011-002,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 17 Sample Multiplier: 1

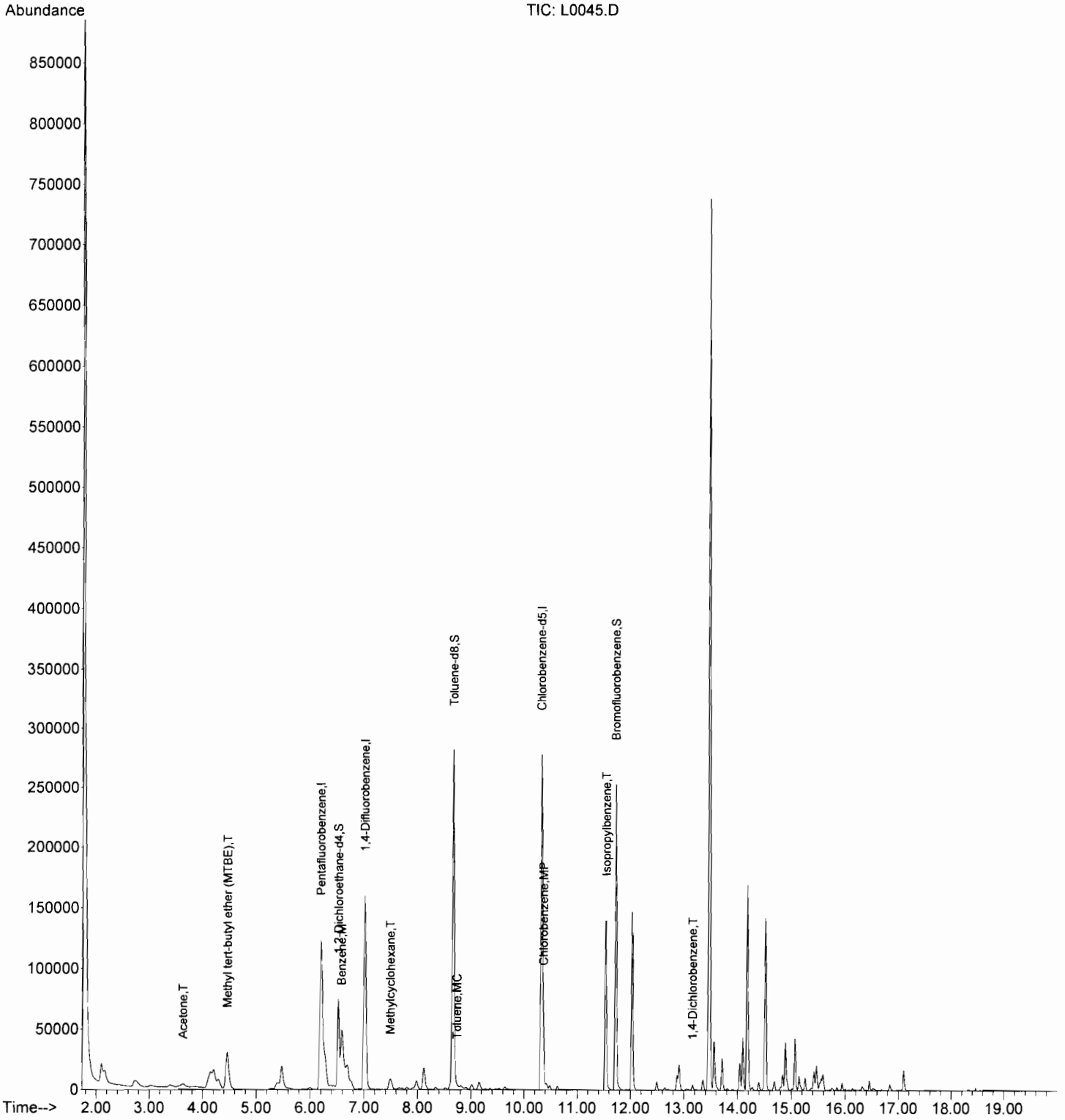
Quant Time: Nov 22 10:44:10 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.20 | 168 | 162701 | 50.00 | UG | | 0.00 |
| 31) 1,4-Difluorobenzene | 7.01 | 114 | 227232 | 50.00 | UG | | 0.00 |
| 50) Chlorobenzene-d5 | 10.32 | 117 | 222246 | 50.00 | UG | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 30) 1,2-Dichloroethane-d4 | 6.53 | 65 | 69408 | 47.23 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 43 - 133 | | Recovery = 94.46% | | | | |
| 41) Toluene-d8 | 8.67 | 98 | 269462 | 50.40 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 39 - 137 | | Recovery = 100.80% | | | | |
| 59) Bromofluorobenzene | 11.72 | 95 | 94344 | 48.09 | UG | | 0.00 |
| Spiked Amount 50.000 | Range 23 - 145 | | Recovery = 96.18% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Acetone | 3.63 | 43 | 6779 | 11.39 | UG | # | 88 |
| 17) Methyl tert-butyl ether (M | 4.47 | 73 | 29832 | 12.83 | UG | | 100 |
| 32) Benzene | 6.59 | 78 | 68206 | 10.06 | UG | | 100 |
| 42) Toluene | 8.74 | 92 | 1411 | 0.30 | UG | | 100 |
| 51) Chlorobenzene | 10.36 | 112 | 37252 | 6.54 | UG | # | 100 |
| 58) Isopropylbenzene | 11.54 | 105 | 130555 | 16.66 | UG | | 99 |
| 72) 1,4-Dichlorobenzene | 13.17 | 146 | 2850 | 0.63 | UG | | 100 |
| 83) Methylcyclohexane | 7.49 | 55 | 5606 | 4.13 | UG | # | 36 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0045.D
Acq On : 4 Nov 2010 18:17
Operator : MEI
Sample : MW-2,11011-002,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 22 10:44:10 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0044.D
Acq On : 4 Nov 2010 17:50
Operator : MEI
Sample : MW-3,11011-003,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 22 10:39:50 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration

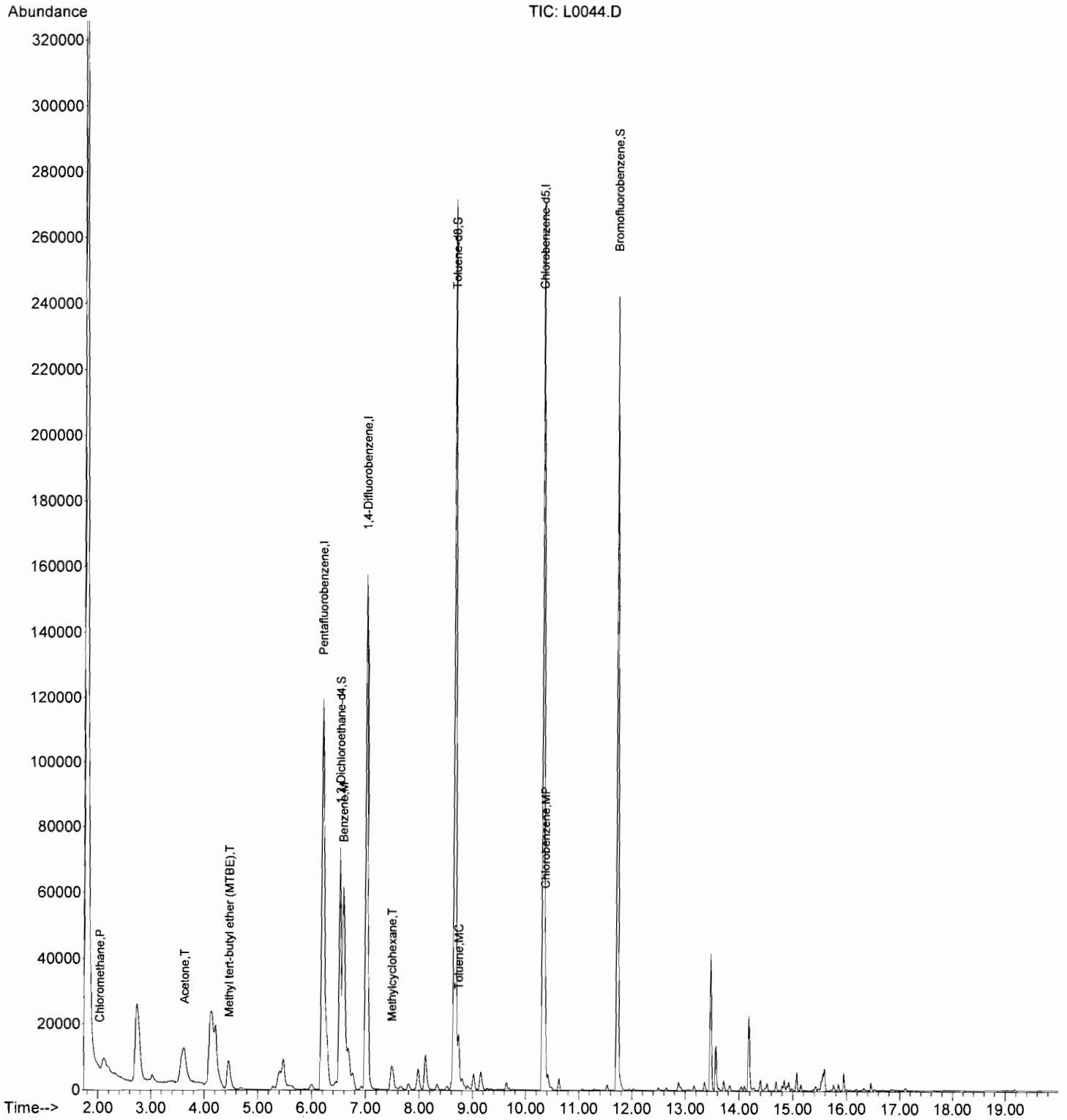
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.20 | 168 | 161962 | 50.00 | UG | | 0.00 |
| 31) 1,4-Difluorobenzene | 7.01 | 114 | 226361 | 50.00 | UG | | 0.00 |
| 50) Chlorobenzene-d5 | 10.32 | 117 | 218467 | 50.00 | UG | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 30) 1,2-Dichloroethane-d4 | 6.53 | 65 | 67991 | 46.48 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 43 - 133 | | Recovery = 92.96% | | | | |
| 41) Toluene-d8 | 8.67 | 98 | 265992 | 49.94 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 39 - 137 | | Recovery = 99.88% | | | | |
| 59) Bromofluorobenzene | 11.72 | 95 | 91249 | 47.32 | UG | | 0.00 |
| Spiked Amount 50.000 | Range 23 - 145 | | Recovery = 94.64% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 2.03 | 50 | 1380 | 0.56 | UG | # | 97 |
| 10) Acetone | 3.63 | 43 | 21048 | 35.52 | UG | # | 88 |
| 17) Methyl tert-butyl ether (M | 4.47 | 73 | 4534 | 1.96 | UG | | 100 |
| 32) Benzene | 6.59 | 78 | 86973 | 12.88 | UG | | 100 |
| 42) Toluene | 8.74 | 92 | 8609 | 1.84 | UG | | 99 |
| 51) Chlorobenzene | 10.36 | 112 | 24394 | 4.36 | UG | # | 100 |
| 83) Methylcyclohexane | 7.49 | 55 | 4702 | 3.53 | UG | # | 70 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0044.D
Acq On : 4 Nov 2010 17:50
Operator : MEI
Sample : MW-3,11011-003,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 22 10:39:50 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0049.D
Acq On : 4 Nov 2010 20:06
Operator : MEI
Sample : MW-4,11011-004,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 22 10:35:05 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration

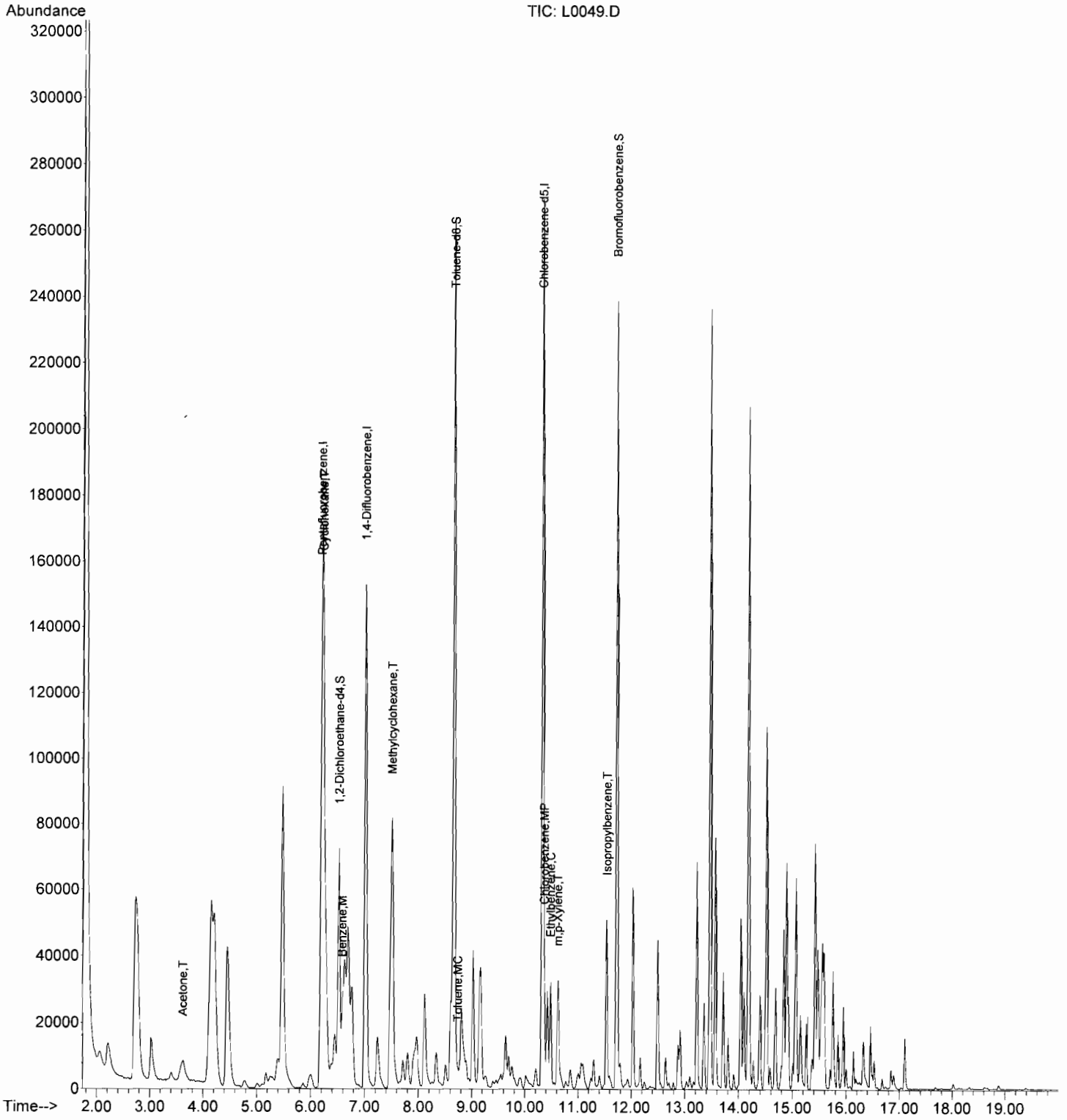
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.20 | 168 | 155687 | 50.00 | UG | | 0.00 |
| 31) 1,4-Difluorobenzene | 7.01 | 114 | 216128 | 50.00 | UG | | 0.00 |
| 50) Chlorobenzene-d5 | 10.32 | 117 | 212732 | 50.00 | UG | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 30) 1,2-Dichloroethane-d4 | 6.53 | 65 | 64682 | 46.00 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 43 - 133 | | Recovery = 92.00% | | | | |
| 41) Toluene-d8 | 8.67 | 98 | 255939 | 50.33 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 39 - 137 | | Recovery = 100.66% | | | | |
| 59) Bromofluorobenzene | 11.72 | 95 | 92022 | 49.01 | UG | | 0.00 |
| Spiked Amount 50.000 | Range 23 - 145 | | Recovery = 98.02% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Acetone | 3.62 | 43 | 12628 | 22.17 | UG | # | 93 |
| 32) Benzene | 6.59 | 78 | 30789 | 4.78 | UG | | 100 |
| 42) Toluene | 8.74 | 92 | 1904 | 0.43 | UG | | 99 |
| 51) Chlorobenzene | 10.36 | 112 | 17872 | 3.28 | UG | # | 100 |
| 53) Ethylbenzene | 10.49 | 91 | 25385 | 3.37 | UG | | 99 |
| 54) m,p-Xylene | 10.62 | 106 | 7755 | 2.36 | UG | | 89 |
| 58) Isopropylbenzene | 11.54 | 105 | 47294 | 6.31 | UG | | 98 |
| 82) Cyclohexane | 6.23 | 56 | 107095 | 51.60 | UG | # | 87 |
| 83) Methylcyclohexane | 7.51 | 55 | 49788 | 38.33 | UG | # | 85 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0049.D
Acq On : 4 Nov 2010 20:06
Operator : MEI
Sample : MW-4,11011-004,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 22 10:35:05 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0050.D
Acq On : 4 Nov 2010 20:33
Operator : MEI
Sample : MW-6,11011-005,A,2.5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 10:36:34 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration

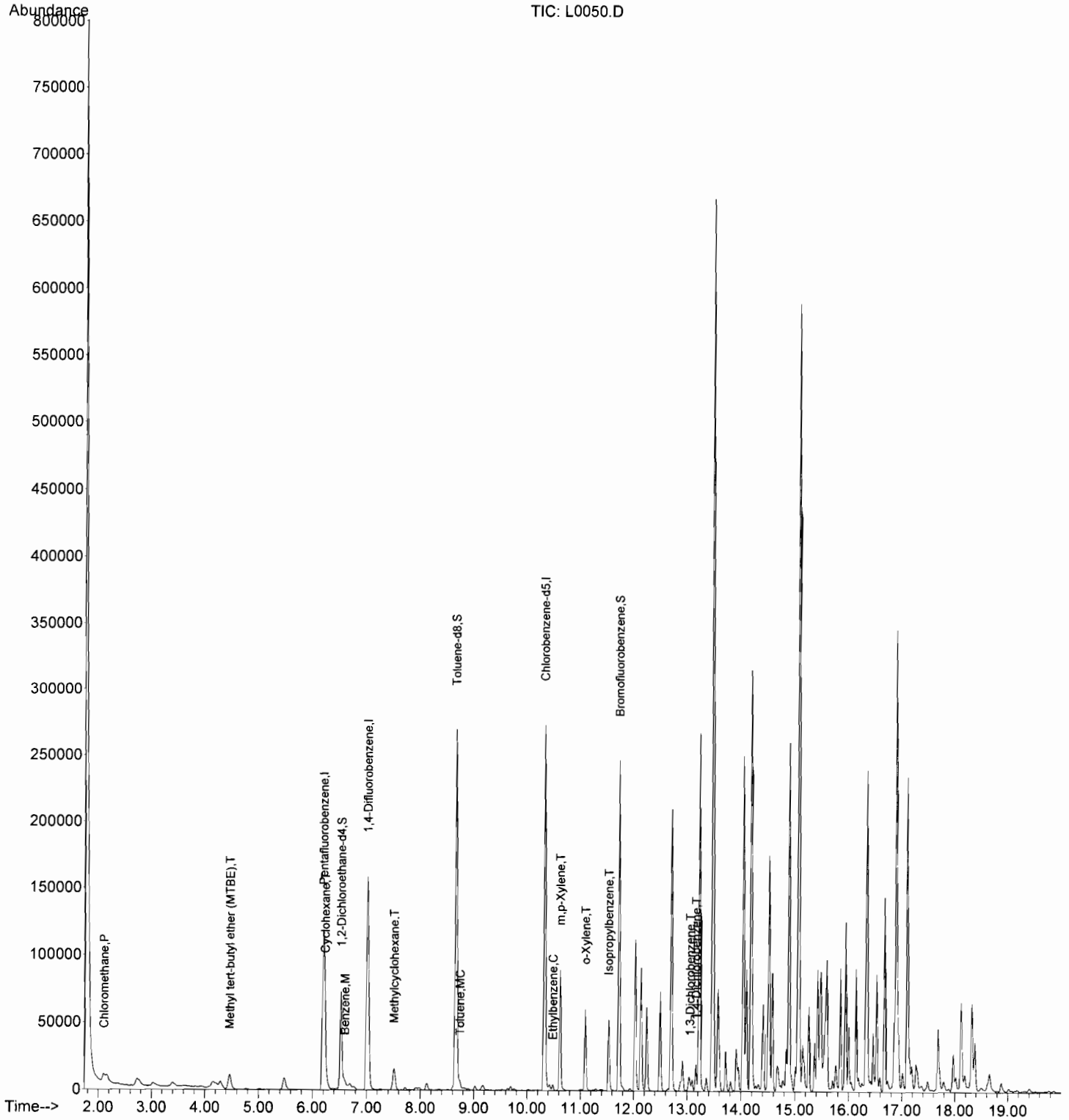
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.20 | 168 | 160405 | 50.00 | UG | | 0.00 |
| 31) 1,4-Difluorobenzene | 7.01 | 114 | 225331 | 50.00 | UG | | 0.00 |
| 50) Chlorobenzene-d5 | 10.32 | 117 | 215711 | 50.00 | UG | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 30) 1,2-Dichloroethane-d4 | 6.53 | 65 | 66479 | 45.89 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 43 - 133 | | Recovery = 91.78% | | | | |
| 41) Toluene-d8 | 8.66 | 98 | 263347 | 49.67 | UG | | 0.00 |
| Spiked Amount 50.000 | Range 39 - 137 | | Recovery = 99.34% | | | | |
| 59) Bromofluorobenzene | 11.72 | 95 | 92933 | 48.81 | UG | | 0.00 |
| Spiked Amount 50.000 | Range 23 - 145 | | Recovery = 97.62% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 2.10 | 50 | 1152m | 0.47 | UG | | |
| 17) Methyl tert-butyl ether (M | 4.47 | 73 | 15420 | 6.73 | UG | | 100 |
| 32) Benzene | 6.60 | 78 | 7828 | 1.16 | UG | | 100 |
| 42) Toluene | 8.74 | 92 | 2807 | 0.60 | UG | | 100 |
| 53) Ethylbenzene | 10.49 | 91 | 3483 | 0.46 | UG | | 100 |
| 54) m,p-Xylene | 10.62 | 106 | 34436 | 10.33 | UG | | 88 |
| 55) o-Xylene | 11.09 | 106 | 22461 | 6.64 | UG | | 88 |
| 58) Isopropylbenzene | 11.53 | 105 | 48760 | 6.41 | UG | | 99 |
| 70) 1,3-Dichlorobenzene | 13.05 | 146 | 3692 | 0.84 | UG | # | 99 |
| 72) 1,4-Dichlorobenzene | 13.17 | 146 | 10964 | 2.48 | UG | | 99 |
| 82) Cyclohexane | 6.23 | 56 | 12220 | 5.81 | UG | | 99 |
| 83) Methylcyclohexane | 7.51 | 55 | 8922 | 6.77 | UG | | 93 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0050.D
Acq On : 4 Nov 2010 20:33
Operator : MEI
Sample : MW-6,11011-005,A,2.5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 10:36:34 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0041.D
Acq On : 4 Nov 2010 16:29
Operator : MEI
Sample : MW-7,11011-006,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 05 10:04:14 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.20 | 168 | 162342 | 50.00 | UG | 0.00 |
| 31) 1,4-Difluorobenzene | 7.01 | 114 | 224734 | 50.00 | UG | 0.00 |
| 50) Chlorobenzene-d5 | 10.32 | 117 | 219507 | 50.00 | UG | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 30) 1,2-Dichloroethane-d4 | 6.53 | 65 | 68502 | 46.72 | UG | 0.01 |
| Spiked Amount 50.000 | Range 43 - 133 | | Recovery = 93.44% | | | |
| 41) Toluene-d8 | 8.67 | 98 | 265746 | 50.26 | UG | 0.01 |
| Spiked Amount 50.000 | Range 39 - 137 | | Recovery = 100.52% | | | |
| 59) Bromofluorobenzene | 11.72 | 95 | 91606 | 47.28 | UG | 0.00 |
| Spiked Amount 50.000 | Range 23 - 145 | | Recovery = 94.56% | | | |

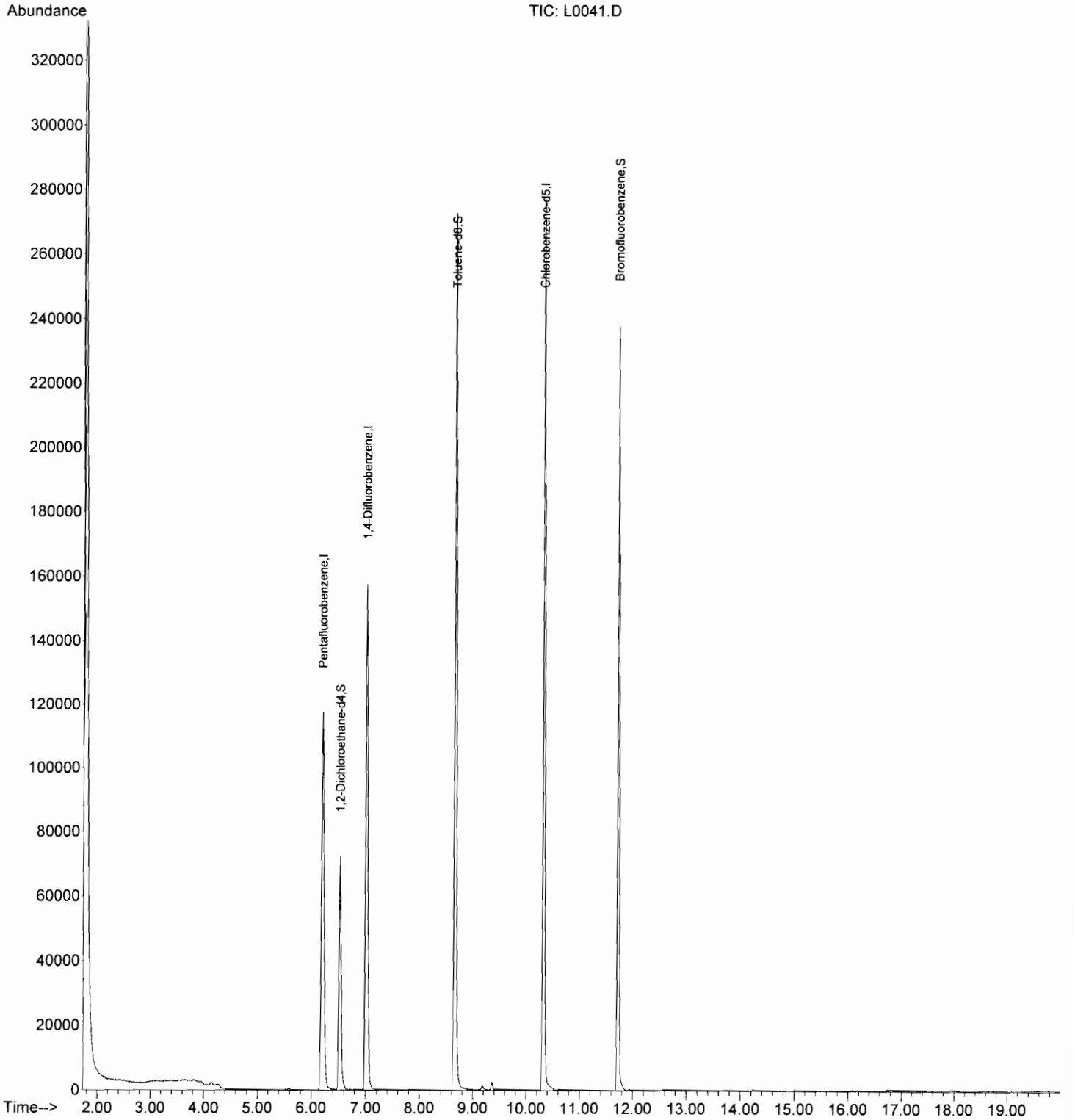
| Target Compounds | Qvalue |
|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0041.D
Acq On : 4 Nov 2010 16:29
Operator : MEI
Sample : MW-7,11011-006,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 05 10:04:14 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0042.D
Acq On : 4 Nov 2010 16:56
Operator : MEI
Sample : MW-8,11011-007,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 22 10:26:37 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration

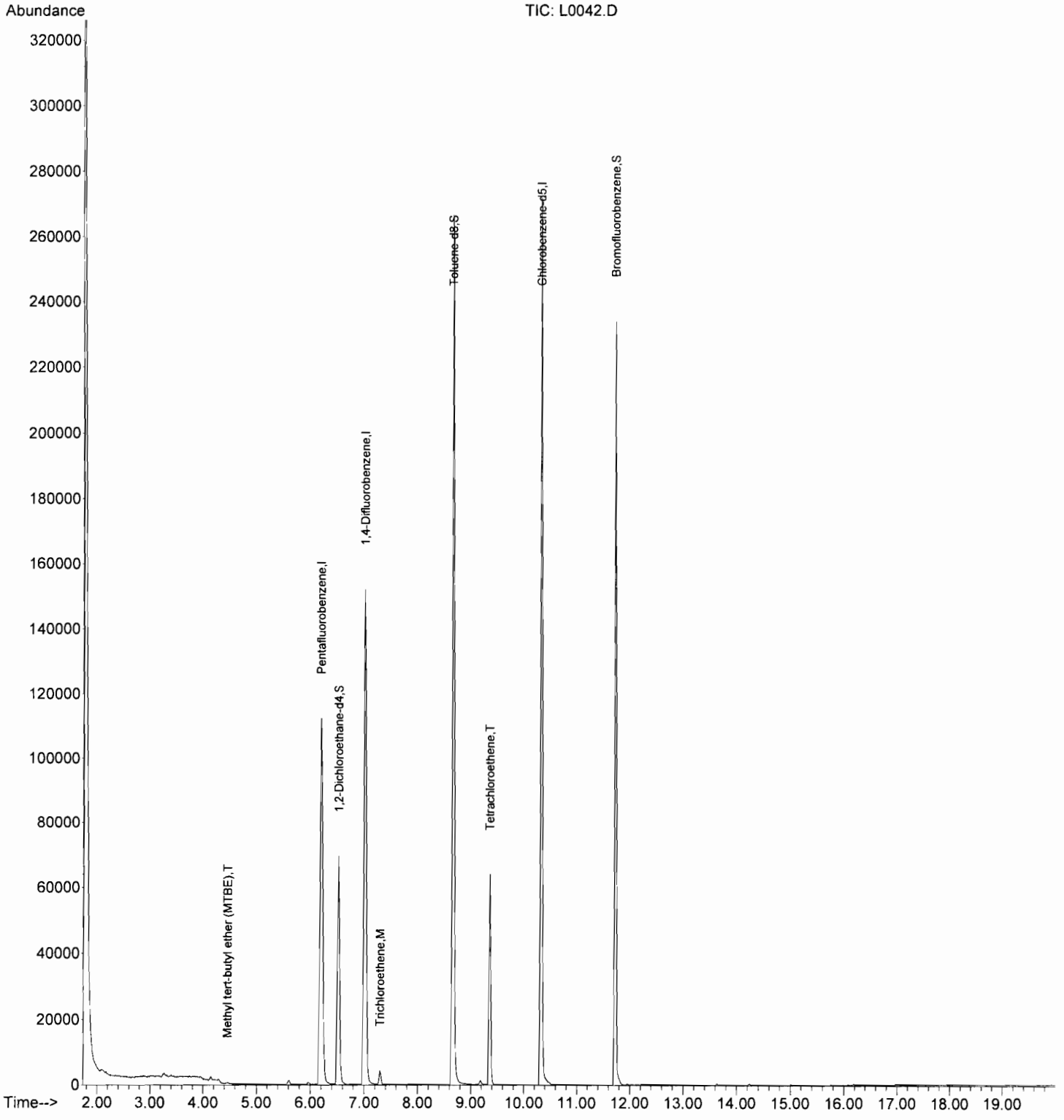
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.20 | 168 | 158252 | 50.00 | UG | | 0.00 |
| 31) 1,4-Difluorobenzene | 7.01 | 114 | 221961 | 50.00 | UG | | 0.00 |
| 50) Chlorobenzene-d5 | 10.32 | 117 | 214321 | 50.00 | UG | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 30) 1,2-Dichloroethane-d4 | 6.53 | 65 | 66351 | 46.42 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 43 - 133 | | Recovery = 92.84% | | | | |
| 41) Toluene-d8 | 8.66 | 98 | 261045 | 49.99 | UG | | 0.00 |
| Spiked Amount 50.000 | Range 39 - 137 | | Recovery = 99.98% | | | | |
| 59) Bromofluorobenzene | 11.72 | 95 | 90001 | 47.57 | UG | | 0.00 |
| Spiked Amount 50.000 | Range 23 - 145 | | Recovery = 95.14% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 17) Methyl tert-butyl ether (M | 4.46 | 73 | 947 | 0.42 | UG | | 100 |
| 33) Trichloroethene | 7.30 | 95 | 2002 | 1.12 | UG | # | 81 |
| 45) Tetrachloroethene | 9.36 | 166 | 25273 | 12.40 | UG | # | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0042.D
Acq On : 4 Nov 2010 16:56
Operator : MEI
Sample : MW-8,11011-007,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 22 10:26:37 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0043.D
Acq On : 4 Nov 2010 17:23
Operator : MEI
Sample : MW-9,11011-008,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 22 10:27:28 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration

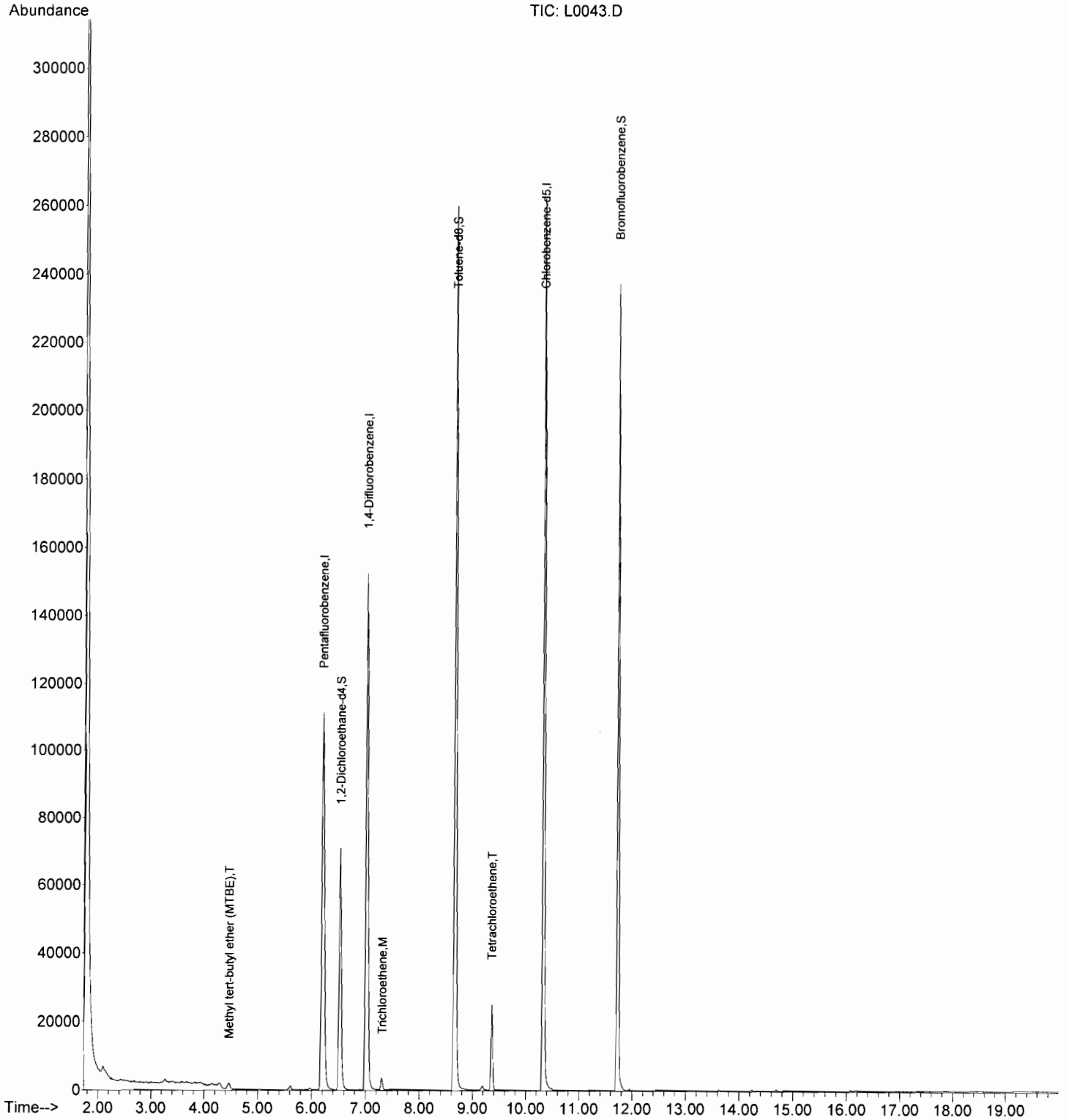
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.20 | 168 | 154982 | 50.00 | UG | | 0.00 |
| 31) 1,4-Difluorobenzene | 7.01 | 114 | 217871 | 50.00 | UG | | 0.00 |
| 50) Chlorobenzene-d5 | 10.32 | 117 | 211759 | 50.00 | UG | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 30) 1,2-Dichloroethane-d4 | 6.53 | 65 | 66836 | 47.75 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 43 - 133 | | Recovery = 95.50% | | | | |
| 41) Toluene-d8 | 8.67 | 98 | 255446 | 49.83 | UG | | 0.01 |
| Spiked Amount 50.000 | Range 39 - 137 | | Recovery = 99.66% | | | | |
| 59) Bromofluorobenzene | 11.72 | 95 | 89134 | 47.69 | UG | | 0.00 |
| Spiked Amount 50.000 | Range 23 - 145 | | Recovery = 95.38% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 17) Methyl tert-butyl ether (M | 4.47 | 73 | 2965 | 1.34 | UG | | 100 |
| 33) Trichloroethene | 7.31 | 95 | 1682 | 0.96 | UG | # | 84 |
| 45) Tetrachloroethene | 9.36 | 166 | 10483 | 5.24 | UG | # | 77 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\11-04-10\
Data File : L0043.D
Acq On : 4 Nov 2010 17:23
Operator : MEI
Sample : MW-9,11011-008,A,5ml,100
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 22 10:27:28 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1101.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Nov 02 10:48:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4527.D
Acq On : 2 Nov 2010 18:26
Operator : LIMS import
Sample : MW-1,11011-001,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 19 08:19:39 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration

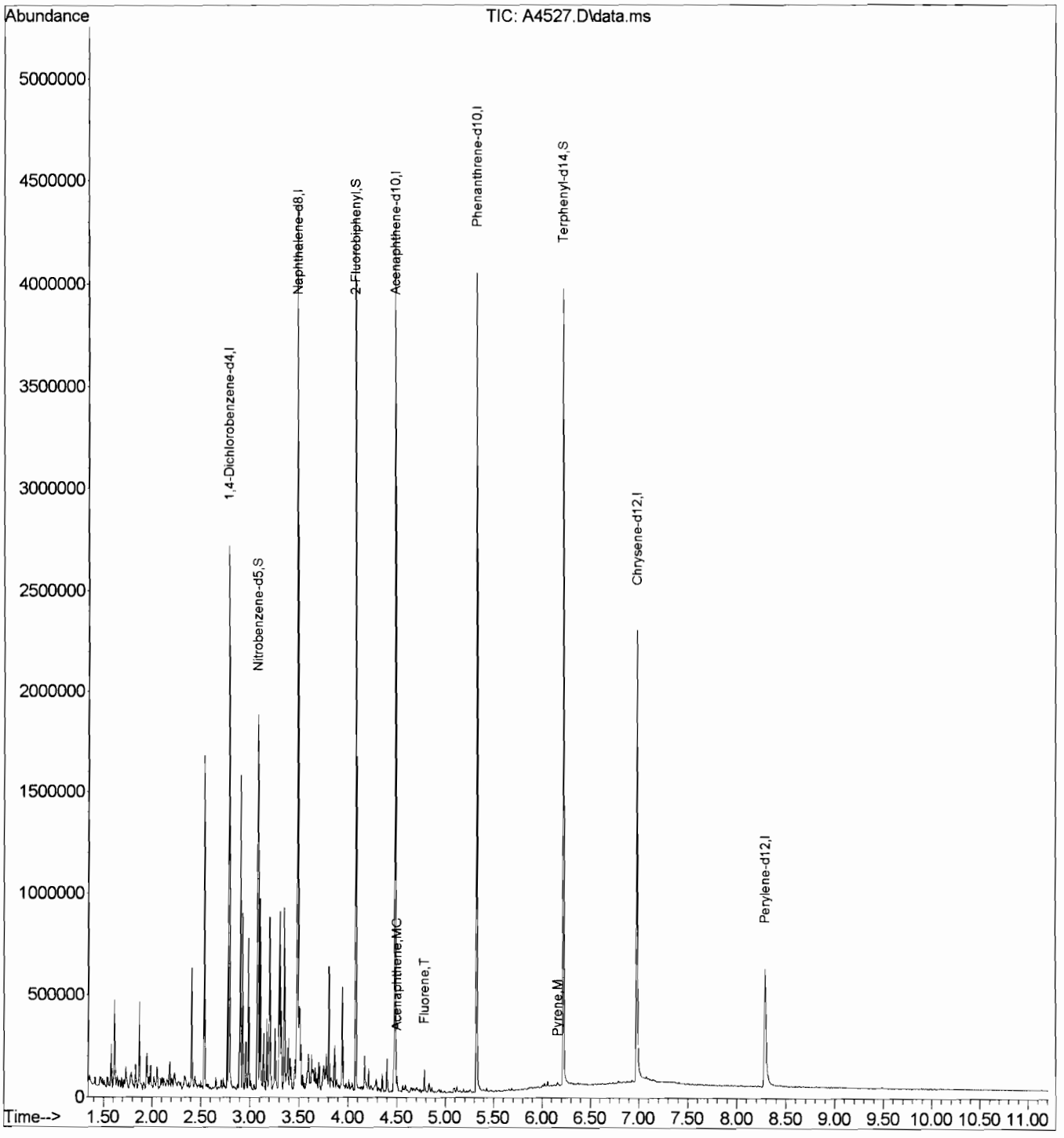
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 2.792 | 152 | 248331 | 40.00 | UG | | -0.01 |
| 23) Naphthalene-d8 | 3.492 | 136 | 1082613 | 40.00 | UG | | -0.01 |
| 43) Acenaphthene-d10 | 4.487 | 164 | 598702 | 40.00 | UG | | -0.01 |
| 66) Phenanthrene-d10 | 5.327 | 188 | 900488 | 40.00 | UG | | -0.02 |
| 82) Chrysene-d12 | 6.980 | 240 | 551067 | 40.00 | UG | | -0.03 |
| 92) Perylene-d12 | 8.290 | 264 | 241910 | 40.00 | UG | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 0.000 | 112 | 0d | 0.00 | UG | | |
| Spiked Amount 100.000 | Range 10 - 100 | | Recovery = 0.00%# | | | | |
| 6) Phenol-d5 | 0.000 | 99 | 0d | 0.00 | UG | | |
| Spiked Amount 100.000 | Range 10 - 102 | | Recovery = 0.00%# | | | | |
| 24) Nitrobenzene-d5 | 3.086 | 82 | 318415 | 33.77 | UG | | -0.02 |
| Spiked Amount 50.000 | Range 27 - 102 | | Recovery = 67.54% | | | | |
| 47) 2-Fluorobiphenyl | 4.081 | 172 | 715814 | 37.91 | UG | | -0.01 |
| Spiked Amount 50.000 | Range 26 - 101 | | Recovery = 75.82% | | | | |
| 70) 2,4,6-Tribromophenol | 0.000 | 330 | 0 | 0.00 | UG | | |
| Spiked Amount 100.000 | Range 22 - 115 | | Recovery = 0.00%# | | | | |
| 84) Terphenyl-d14 | 6.220 | 244 | 695838 | 52.22 | UG | | -0.03 |
| Spiked Amount 50.000 | Range 23 - 124 | | Recovery = 104.44% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 55) Acenaphthene | 4.503 | 153 | 8564 | 0.64 | UG | | 91 |
| 61) Fluorene | 4.787 | 166 | 15768 | 1.05 | UG | # | 97 |
| 83) Pyrene | 6.161 | 202 | 3855 | 0.25 | UG | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4527.D
Acq On : 2 Nov 2010 18:26
Operator : LIMS import
Sample : MW-1,11011-001,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 19 08:19:39 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4528.D
Acq On : 2 Nov 2010 18:41
Operator : LIMS import
Sample : MW-2,11011-002,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 19 08:19:24 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration

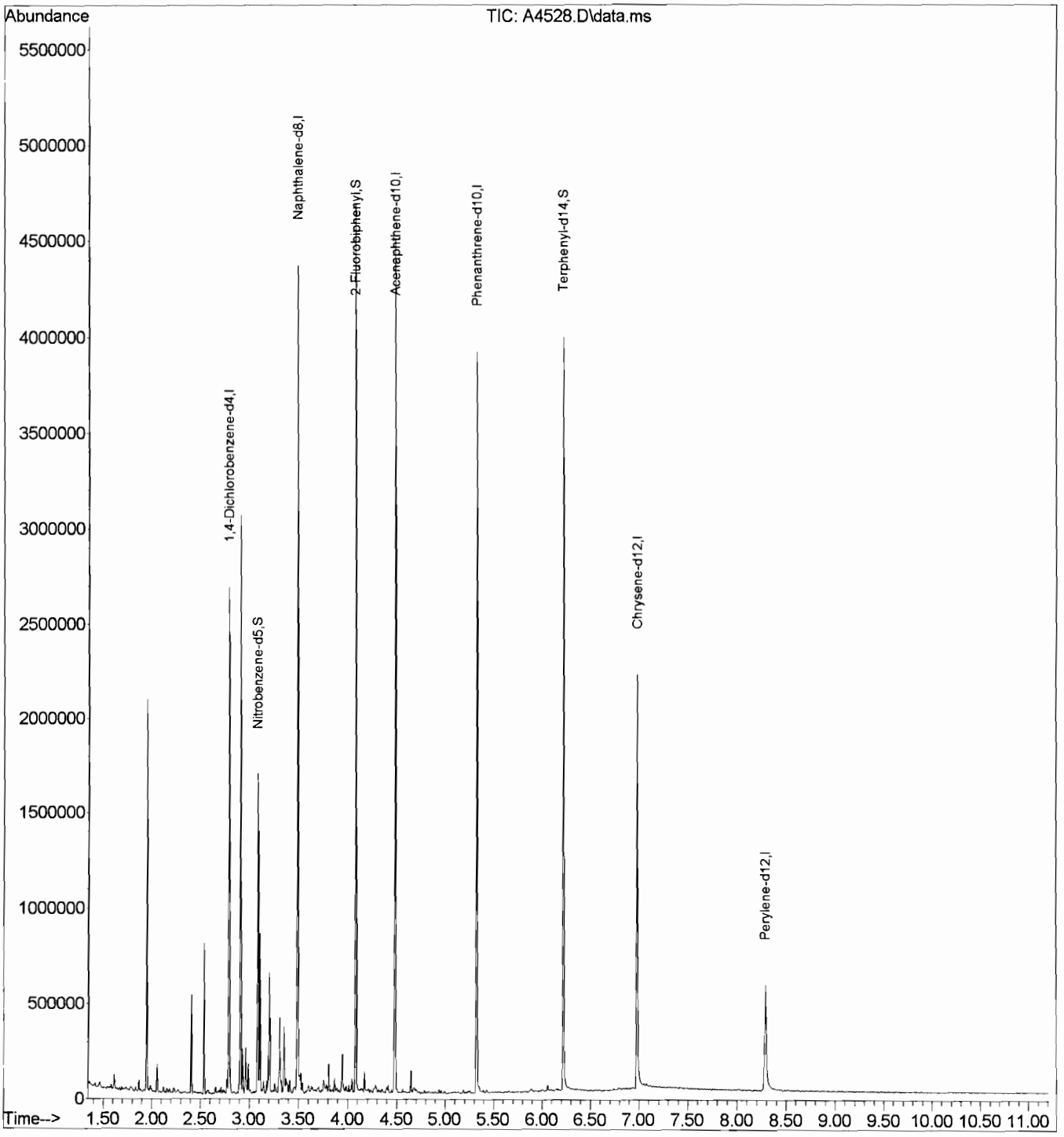
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 2.792 | 152 | 255359 | 40.00 | UG | -0.01 |
| 23) Naphthalene-d8 | 3.492 | 136 | 1096669 | 40.00 | UG | -0.01 |
| 43) Acenaphthene-d10 | 4.487 | 164 | 607062 | 40.00 | UG | -0.01 |
| 66) Phenanthrene-d10 | 5.327 | 188 | 898597 | 40.00 | UG | -0.02 |
| 82) Chrysene-d12 | 6.980 | 240 | 560570 | 40.00 | UG | -0.03 |
| 92) Perylene-d12 | 8.290 | 264 | 242922 | 40.00 | UG | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.000 | 112 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 100 | | Recovery = 0.00%# | | | |
| 6) Phenol-d5 | 0.000 | 99 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 102 | | Recovery = 0.00%# | | | |
| 24) Nitrobenzene-d5 | 3.091 | 82 | 338437 | 35.43 | UG | -0.01 |
| Spiked Amount 50.000 | Range 27 - 102 | | Recovery = 70.86% | | | |
| 47) 2-Fluorobiphenyl | 4.081 | 172 | 769424 | 40.19 | UG | -0.01 |
| Spiked Amount 50.000 | Range 26 - 101 | | Recovery = 80.38% | | | |
| 70) 2,4,6-Tribromophenol | 0.000 | 330 | 0 | 0.00 | UG | |
| Spiked Amount 100.000 | Range 22 - 115 | | Recovery = 0.00%# | | | |
| 84) Terphenyl-d14 | 6.220 | 244 | 722649 | 53.32 | UG | -0.03 |
| Spiked Amount 50.000 | Range 23 - 124 | | Recovery = 106.64% | | | |
| **Target Compounds** | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4528.D
Acq On : 2 Nov 2010 18:41
Operator : LIMS import
Sample : MW-2,11011-002,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 19 08:19:24 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4529.D
Acq On : 2 Nov 2010 18:57
Operator : LIMS import
Sample : MW-3,11011-003,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 19 08:12:51 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration

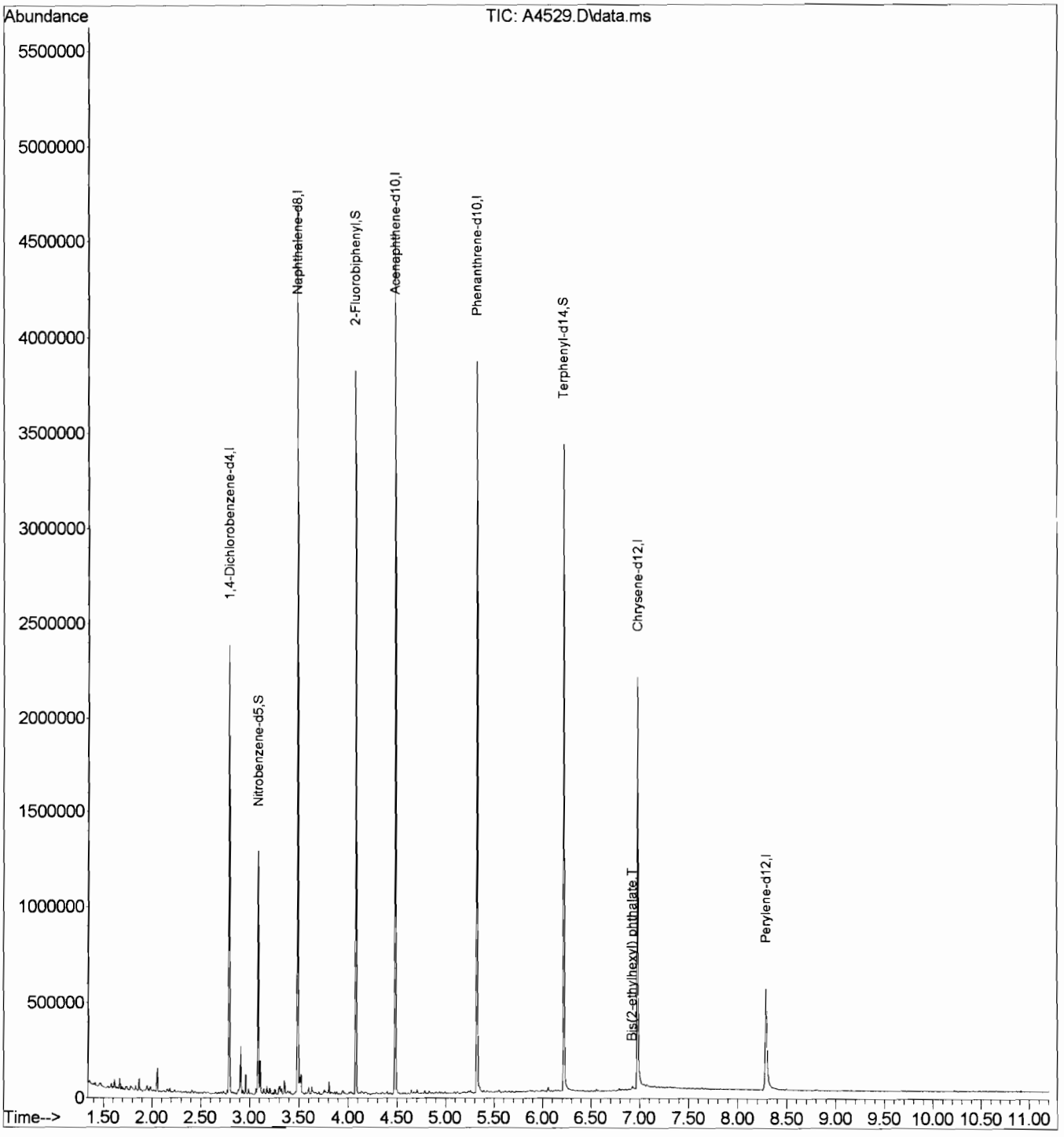
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 2.797 | 152 | 253465 | 40.00 | UG | 0.00 |
| 23) Naphthalene-d8 | 3.492 | 136 | 1079399 | 40.00 | UG | -0.01 |
| 43) Acenaphthene-d10 | 4.487 | 164 | 595088 | 40.00 | UG | -0.01 |
| 66) Phenanthrene-d10 | 5.327 | 188 | 901712 | 40.00 | UG | -0.02 |
| 82) Chrysene-d12 | 6.980 | 240 | 527945 | 40.00 | UG | -0.03 |
| 92) Perylene-d12 | 8.290 | 264 | 229327 | 40.00 | UG | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.000 | 112 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 100 | | Recovery = 0.00%# | | | |
| 6) Phenol-d5 | 0.000 | 99 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 102 | | Recovery = 0.00%# | | | |
| 24) Nitrobenzene-d5 | 3.091 | 82 | 287115 | 30.54 | UG | -0.01 |
| Spiked Amount 50.000 | Range 27 - 102 | | Recovery = 61.08% | | | |
| 47) 2-Fluorobiphenyl | 4.081 | 172 | 658811 | 35.11 | UG | -0.01 |
| Spiked Amount 50.000 | Range 26 - 101 | | Recovery = 70.22% | | | |
| 70) 2,4,6-Tribromophenol | 0.000 | 330 | 0 | 0.00 | UG | |
| Spiked Amount 100.000 | Range 22 - 115 | | Recovery = 0.00%# | | | |
| 84) Terphenyl-d14 | 6.220 | 244 | 627268 | 49.14 | UG | -0.03 |
| Spiked Amount 50.000 | Range 23 - 124 | | Recovery = 98.28% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 90) Bis(2-ethylhexyl) phth... | 6.926 | 149 | 3984m | 0.43 | UG | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4529.D
Acq On : 2 Nov 2010 18:57
Operator : LIMS import
Sample : MW-3,11011-003,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 19 08:12:51 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4530.D
Acq On : 2 Nov 2010 19:12
Operator : LIMS import
Sample : MW-4,11011-004,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 19 08:18:57 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration

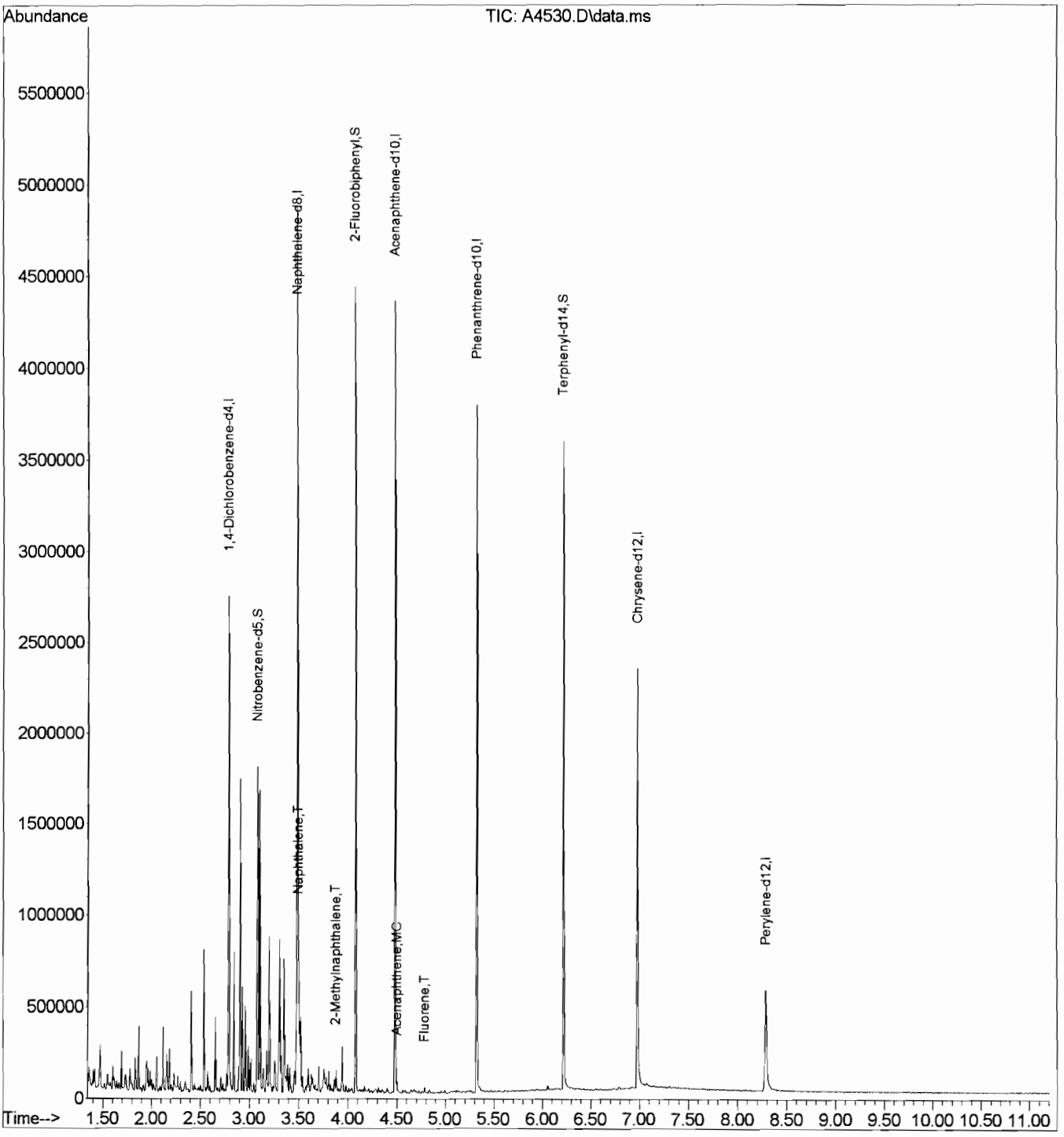
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 2.792 | 152 | 265146 | 40.00 | UG | -0.01 |
| 23) Naphthalene-d8 | 3.492 | 136 | 1144989 | 40.00 | UG | -0.01 |
| 43) Acenaphthene-d10 | 4.487 | 164 | 618684 | 40.00 | UG | -0.01 |
| 66) Phenanthrene-d10 | 5.327 | 188 | 923437 | 40.00 | UG | -0.02 |
| 82) Chrysene-d12 | 6.980 | 240 | 575033 | 40.00 | UG | -0.03 |
| 92) Perylene-d12 | 8.290 | 264 | 242085 | 40.00 | UG | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.000 | 112 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 100 | | Recovery = | 0.00%# | | |
| 6) Phenol-d5 | 0.000 | 99 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 102 | | Recovery = | 0.00%# | | |
| 24) Nitrobenzene-d5 | 3.091 | 82 | 321169 | 32.20 | UG | -0.01 |
| Spiked Amount 50.000 | Range 27 - 102 | | Recovery = | 64.40% | | |
| 47) 2-Fluorobiphenyl | 4.081 | 172 | 732186 | 37.53 | UG | -0.01 |
| Spiked Amount 50.000 | Range 26 - 101 | | Recovery = | 75.06% | | |
| 70) 2,4,6-Tribromophenol | 0.000 | 330 | 0 | 0.00 | UG | |
| Spiked Amount 100.000 | Range 22 - 115 | | Recovery = | 0.00%# | | |
| 84) Terphenyl-d14 | 6.220 | 244 | 680890 | 48.97 | UG | -0.03 |
| Spiked Amount 50.000 | Range 23 - 124 | | Recovery = | 97.94% | | |
| **Target Compounds** | | | | | | Qvalue |
| 34) Naphthalene | 3.503 | 128 | 161397m | 6.17 | UG | |
| 41) 2-Methylnaphthalene | 3.883 | 142 | 15436m | 1.03 | UG | |
| 55) Acenaphthene | 4.503 | 153 | 7057 | 0.51 | UG | # 83 |
| 61) Fluorene | 4.787 | 166 | 4649 | 0.30 | UG | 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4530.D
Acq On : 2 Nov 2010 19:12
Operator : LIMS import
Sample : MW-4,11011-004,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 19 08:18:57 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4531.D
Acq On : 2 Nov 2010 19:27
Operator : LIMS import
Sample : MW-6,11011-005,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 08:17:51 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration

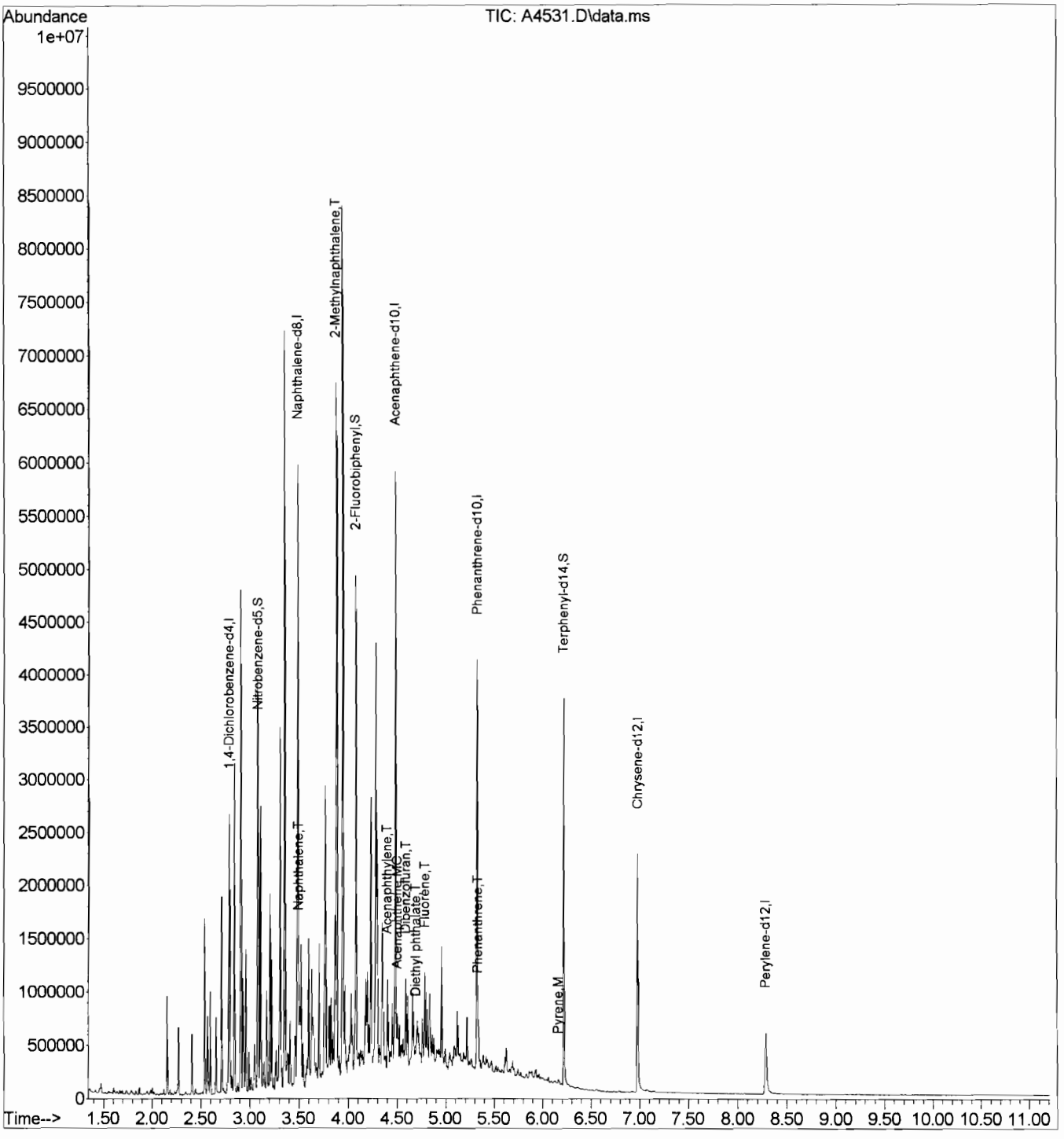
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 2.797 | 152 | 262220 | 40.00 | UG | 0.00 |
| 23) Naphthalene-d8 | 3.492 | 136 | 1175872 | 40.00 | UG | -0.01 |
| 43) Acenaphthene-d10 | 4.487 | 164 | 654827 | 40.00 | UG | -0.01 |
| 66) Phenanthrene-d10 | 5.327 | 188 | 940926 | 40.00 | UG | -0.02 |
| 82) Chrysene-d12 | 6.980 | 240 | 581004 | 40.00 | UG | -0.03 |
| 92) Perylene-d12 | 8.285 | 264 | 248613 | 40.00 | UG | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.000 | 112 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 100 | | Recovery = 0.00%# | | | |
| 6) Phenol-d5 | 0.000 | 99 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 102 | | Recovery = 0.00%# | | | |
| 24) Nitrobenzene-d5 | 3.091 | 82 | 347003 | 33.88 | UG | -0.01 |
| Spiked Amount 50.000 | Range 27 - 102 | | Recovery = 67.76% | | | |
| 47) 2-Fluorobiphenyl | 4.081 | 172 | 787219 | 38.12 | UG | -0.01 |
| Spiked Amount 50.000 | Range 26 - 101 | | Recovery = 76.24% | | | |
| 70) 2,4,6-Tribromophenol | 0.000 | 330 | 0 | 0.00 | UG | |
| Spiked Amount 100.000 | Range 22 - 115 | | Recovery = 0.00%# | | | |
| 84) Terphenyl-d14 | 6.220 | 244 | 711112 | 50.62 | UG | -0.03 |
| Spiked Amount 50.000 | Range 23 - 124 | | Recovery = 101.24% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 34) Naphthalene | 3.503 | 128 | 42785m | 1.59 | UG | |
| 41) 2-Methylnaphthalene | 3.883 | 142 | 1274545m | 82.46 | UG | |
| 53) Acenaphthylene | 4.402 | 152 | 11440m | 0.48 | UG | |
| 55) Acenaphthene | 4.503 | 153 | 42744 | 2.92 | UG | 93 |
| 59) Dibenzofuran | 4.589 | 168 | 46898m | 2.41 | UG | |
| 60) Diethyl phthalate | 4.696 | 149 | 18365m | 1.20 | UG | |
| 61) Fluorene | 4.787 | 166 | 89654 | 5.47 | UG # | 90 |
| 75) Phenanthrene | 5.338 | 178 | 90040 | 4.01 | UG # | 88 |
| 83) Pyrene | 6.161 | 202 | 5037 | 0.31 | UG # | 64 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4531.D
Acq On : 2 Nov 2010 19:27
Operator : LIMS import
Sample : MW-6,11011-005,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 08:17:51 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4532.D
Acq On : 2 Nov 2010 19:42
Operator : LIMS import
Sample : MW-7,11011-006,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 19 08:16:41 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 2.792 | 152 | 266717 | 40.00 | UG | -0.01 |
| 23) Naphthalene-d8 | 3.492 | 136 | 1136611 | 40.00 | UG | -0.01 |
| 43) Acenaphthene-d10 | 4.487 | 164 | 618885 | 40.00 | UG | -0.01 |
| 66) Phenanthrene-d10 | 5.327 | 188 | 945213 | 40.00 | UG | -0.02 |
| 82) Chrysene-d12 | 6.974 | 240 | 587623 | 40.00 | UG | -0.04 |
| 92) Perylene-d12 | 8.285 | 264 | 245987 | 40.00 | UG | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.000 | 112 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 100 | | Recovery = 0.00%# | | | |
| 6) Phenol-d5 | 0.000 | 99 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 102 | | Recovery = 0.00%# | | | |
| 24) Nitrobenzene-d5 | 3.086 | 82 | 269452 | 27.22 | UG | -0.02 |
| Spiked Amount 50.000 | Range 27 - 102 | | Recovery = 54.44% | | | |
| 47) 2-Fluorobiphenyl | 4.081 | 172 | 604719 | 30.98 | UG | -0.01 |
| Spiked Amount 50.000 | Range 26 - 101 | | Recovery = 61.96% | | | |
| 70) 2,4,6-Tribromophenol | 0.000 | 330 | 0 | 0.00 | UG | |
| Spiked Amount 100.000 | Range 22 - 115 | | Recovery = 0.00%# | | | |
| 84) Terphenyl-d14 | 6.220 | 244 | 583804 | 41.09 | UG | -0.03 |
| Spiked Amount 50.000 | Range 23 - 124 | | Recovery = 82.18% | | | |

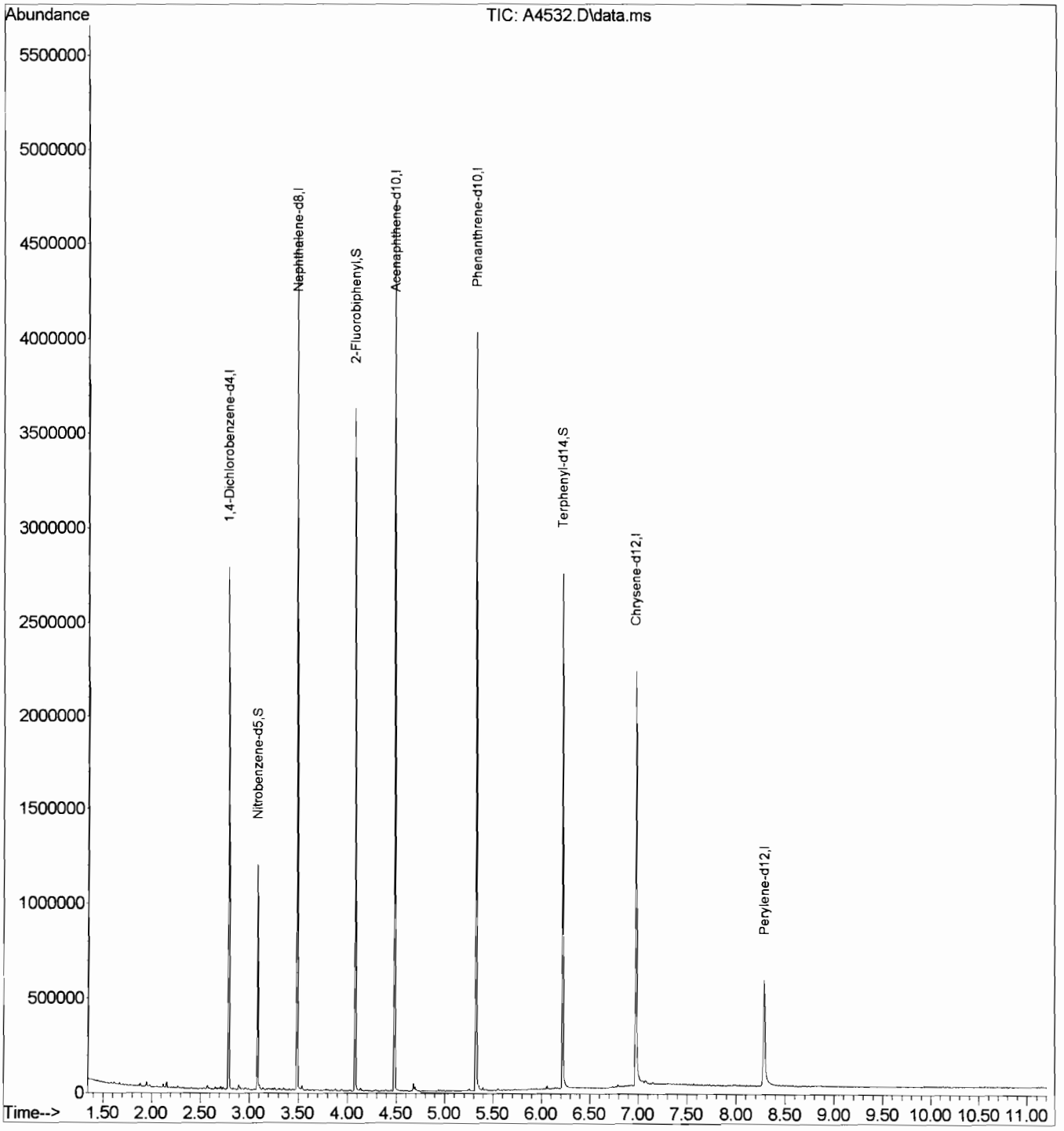
| Target Compounds | Qvalue |
|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4532.D
Acq On : 2 Nov 2010 19:42
Operator : LIMS import
Sample : MW-7,11011-006,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 19 08:16:41 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4533.D
Acq On : 2 Nov 2010 19:57
Operator : LIMS import
Sample : MW-8,11011-007,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 19 08:16:19 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration

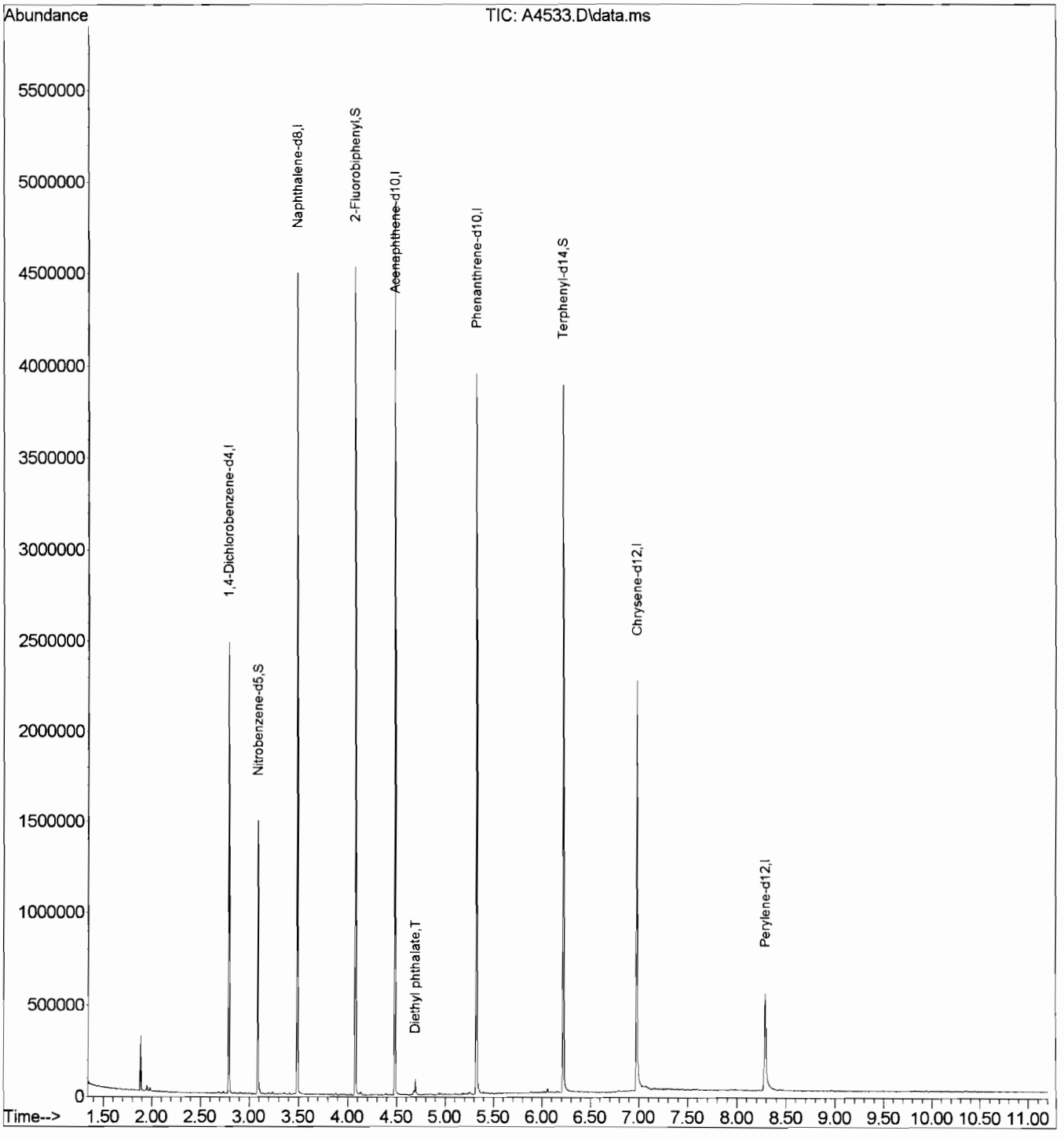
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 2.797 | 152 | 254885 | 40.00 | UG | 0.00 |
| 23) Naphthalene-d8 | 3.492 | 136 | 1110736 | 40.00 | UG | -0.01 |
| 43) Acenaphthene-d10 | 4.487 | 164 | 620526 | 40.00 | UG | -0.01 |
| 66) Phenanthrene-d10 | 5.327 | 188 | 931801 | 40.00 | UG | -0.02 |
| 82) Chrysene-d12 | 6.980 | 240 | 564981 | 40.00 | UG | -0.03 |
| 92) Perylene-d12 | 8.290 | 264 | 228655 | 40.00 | UG | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.000 | 112 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 100 | | Recovery = | 0.00%# | | |
| 6) Phenol-d5 | 0.000 | 99 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 102 | | Recovery = | 0.00%# | | |
| 24) Nitrobenzene-d5 | 3.091 | 82 | 334768 | 34.60 | UG | -0.01 |
| Spiked Amount 50.000 | Range 27 - 102 | | Recovery = | 69.20% | | |
| 47) 2-Fluorobiphenyl | 4.081 | 172 | 775353 | 39.62 | UG | -0.01 |
| Spiked Amount 50.000 | Range 26 - 101 | | Recovery = | 79.24% | | |
| 70) 2,4,6-Tribromophenol | 0.000 | 330 | 0 | 0.00 | UG | |
| Spiked Amount 100.000 | Range 22 - 115 | | Recovery = | 0.00%# | | |
| 84) Terphenyl-d14 | 6.220 | 244 | 702455 | 51.42 | UG | -0.03 |
| Spiked Amount 50.000 | Range 23 - 124 | | Recovery = | 102.84% | | |
| **Target Compounds** | | | | | | Qvalue |
| 60) Diethyl phthalate | 4.696 | 149 | 16477m | 1.14 | UG | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4533.D
Acq On : 2 Nov 2010 19:57
Operator : LIMS import
Sample : MW-8,11011-007,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 19 08:16:19 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4534.D
Acq On : 2 Nov 2010 20:12
Operator : LIMS import
Sample : MW-9,11011-008,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 19 08:15:59 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration

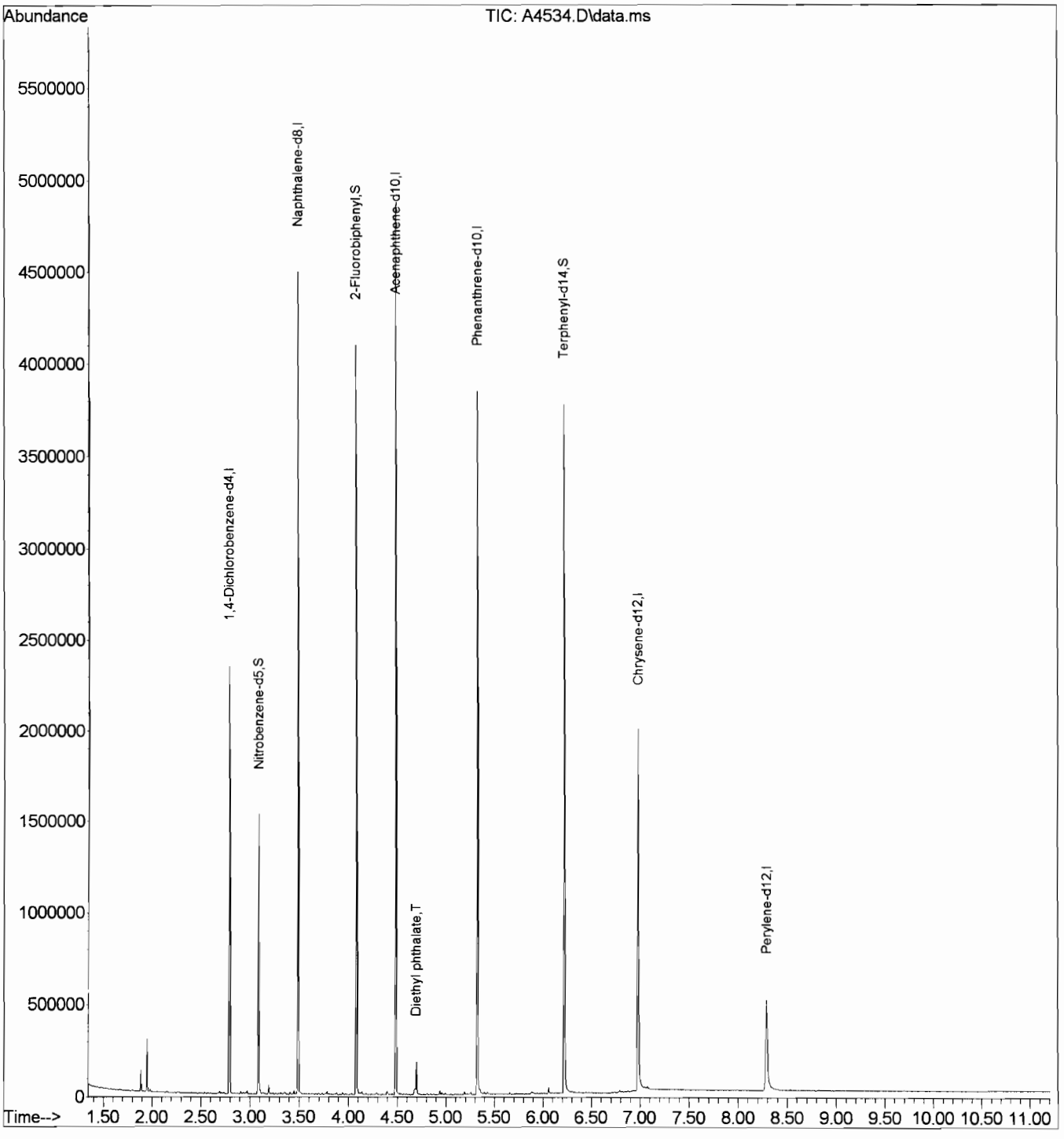
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 2.797 | 152 | 242399 | 40.00 | UG | 0.00 |
| 23) Naphthalene-d8 | 3.492 | 136 | 1039665 | 40.00 | UG | -0.01 |
| 43) Acenaphthene-d10 | 4.487 | 164 | 595200 | 40.00 | UG | -0.01 |
| 66) Phenanthrene-d10 | 5.327 | 188 | 872978 | 40.00 | UG | -0.02 |
| 82) Chrysene-d12 | 6.980 | 240 | 521730 | 40.00 | UG | -0.03 |
| 92) Perylene-d12 | 8.290 | 264 | 221513 | 40.00 | UG | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.000 | 112 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 100 | | Recovery = 0.00%# | | | |
| 6) Phenol-d5 | 0.000 | 99 | 0d | 0.00 | UG | |
| Spiked Amount 100.000 | Range 10 - 102 | | Recovery = 0.00%# | | | |
| 24) Nitrobenzene-d5 | 3.091 | 82 | 313019 | 34.56 | UG | -0.01 |
| Spiked Amount 50.000 | Range 27 - 102 | | Recovery = 69.12% | | | |
| 47) 2-Fluorobiphenyl | 4.081 | 172 | 734770 | 39.15 | UG | -0.01 |
| Spiked Amount 50.000 | Range 26 - 101 | | Recovery = 78.30% | | | |
| 70) 2,4,6-Tribromophenol | 0.000 | 330 | 0 | 0.00 | UG | |
| Spiked Amount 100.000 | Range 22 - 115 | | Recovery = 0.00%# | | | |
| 84) Terphenyl-d14 | 6.220 | 244 | 657778 | 52.14 | UG | -0.03 |
| Spiked Amount 50.000 | Range 23 - 124 | | Recovery = 104.28% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 60) Diethyl phthalate | 4.696 | 149 | 33485m | 2.41 | UG | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\11-02-10\
Data File : A4534.D
Acq On : 2 Nov 2010 20:12
Operator : LIMS import
Sample : MW-9,11011-008,A,1000ml,100,11/02/10
Misc : BRINK/PETROCELLI,10/28/10,10/29/10,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 19 08:15:59 2010
Quant Method : C:\msdchem\1\METHODS\AW1710.M
Quant Title : BNA CALIBRATION METHOD
QLast Update : Mon Nov 01 08:57:59 2010
Response via : Initial Calibration



Phone # [redacted]-4252
Fax # (973) 989-5288

# INTEGRATED ANALYTICAL LABORATORIES
# CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

| CUSTOMER INFO | REPORTING INFO |
|---|---|
| Company: Brinkerhoff Environmental | REPORT TO: Same |
| Address: 1913 Atlantic Ave., Suite R5 | Address: |
| Manasquan, NJ | |
| Telephone #: 732-223-2225 | Attn: |
| Fax #: 732-223-3666 | FAX # |
| Project Manager: Ron Rosenberg | INVOICE TO: |
| Sampler: Brian Rooney | Address: |
| Project Name: Petrocelli | |
| Project Location (State): NY | |
| Bottle Order #: | Attn: |
| Quote # : | PO # |

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE

**PHC - MUST CHOOSE**

DRO (3-5 day TAT) QAM025 (5 day TAT min.)

SEE BELOW (under comments section for explanation)

Verbal/Fax 2 wk/Std Results needed by:

24 hr* 48 hr* 72 hr* 1 wk*

Hard Copy 3 wk/Std

Other * call for price

Rush TAT Charge **

24 hr - 100%...
48 hr - 75%....
72 hr - 50%....
96 hr - 35%....
5 day - 25%....
6-9 day 10%

| Report Format | DISKETTE |
|---|---|
| Results Only | SRP.dbf format |
| Reduced | SRP.wk1 format |
| Regulatory - 15% Surcharge applies | lab approved custom EDD |
| Other (describe) | NO DISK/CD REQ'D |

Cooler Temp 4 °C

## SAMPLE INFORMATION

Sample Matrix

DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

## ANALYTICAL PARAMETERS

## # BOTTLES & PRESERVATIVES

| Client ID | Depth (ft only) | Sampling Date | Sampling Time | Matrix | # container | IAL # | NY STARS Volatile Organics 8260 | NY STARS Base Neutrals 8270 | HCl | NaOH | HNO3 | H2SO4 | MeOH | Other | None | Encore |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | | 10/28/2010 | 1300 | AQ | 4 | 1 | X | X | X | | | | | | | |
| MW-2 | | 10/28/2010 | 1205 | AQ | 4 | 2 | X | X | X | | | | | | | |
| MW-3 | | 10/28/2010 | 1210 | AQ | 4 | 3 | X | X | X | | | | | | | |
| MW-4 | | 10/28/2010 | 1220 | AQ | 4 | 4 | X | X | X | | | | | | | |
| [redacted] | | | | | | | | | | | | | | | | |
| MW-6 | | 10/28/2010 | 1230 | AQ | 4 | 5 | X | X | X | | | | | | | |
| MW-7 | | 10/28/2010 | 1315 | AQ | 4 | 6 | X | X | X | | | | | | | |
| MW-8 | | 10/28/2010 | 1320 | AQ | 4 | 7 | X | X | X | | | | | | | |
| MW-9 | | 10/28/2010 | 1410 | AQ | 4 | 8 | X | X | X | | | | | | | |
| | | | | | | | | | | | | | | | | |

Known Hazard: Yes or No Describe: Conc. Expected: Low Med High

MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)

***Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.***

| | Signature/Company | Date | Time | Signature/Company |
|---|---|---|---|---|
| Relinquished by: | [signature] BES | 10-29-10 | 1300 | Received by: [signature] IAL |
| Relinquished by: | [signature] IAL | 10-29-10 | 1411 | Received by: [signature] |
| Relinquished by: | | | | Received by: |
| Relinquished by: | | | | Received by: |
| Relinquished by: | | | | Received by: |

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

**Comments:**

DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1/#2
QAM-025 (OQA-QAM025) - used for all other fuel oil and unknown contaminants.

Lab Case # 11011

PAGE: of

01/2007 rev

# PROJECT INFORMATION

E10-11011

**Case No.** E10-11011 **Project** PETROCELLI

| | | | |
|---|---|---|---|
| **Customer** | **Brinkerhoff Environmental Services** | **P.O. #** | NA |
| **Contact** | Ron Rosenberg | **Received** | 10/29/2010 19:44 |
| **EMail** | rrosenberg@brinkenv.com \| \| EMail EDDs | **Verbal Due** | 11/24/2010 |
| **Phone** | (732) 223-2225 **Fax** 1(723) 223-3666 | **Report Due** | 12/1/2010 |

**Report To**

1913 Atlantic Ave.
Suite R5
Manasquan, NJ 08736
Attn: Ron Rosenberg

**Bill To**

1913 Atlantic Ave.
Suite R5
Manasquan, NJ 08736
Attn: Ron Rosenberg

**Report Format** **Reduced**

**Additional Info** [ ] State Form | | Field Sampling | [ ] Conditional VOA

| Lab ID | Client Sample ID | Depth Top / Bottom | Sampling Time | Matrix | Unit | # of Containers |
|---|---|---|---|---|---|---|
| 11011-001 | MW-1 | n/a | 10/28/2010@13:00 | Aqueous | ug/L | 4 |
| 11011-002 | MW-2 | n/a | 10/28/2010@12:05 | Aqueous | ug/L | 4 |
| 11011-003 | MW-3 | n/a | 10/28/2010@12:10 | Aqueous | ug/L | 4 |
| 11011-004 | MW-4 | n/a | 10/28/2010@12:20 | Aqueous | ug/L | 4 |
| 11011-005 | MW-6 | n/a | 10/28/2010@12:30 | Aqueous | ug/L | 4 |
| 11011-006 | MW-7 | n/a | 10/28/2010@13:15 | Aqueous | ug/L | 4 |
| 11011-007 | MW-8 | n/a | 10/28/2010@13:20 | Aqueous | ug/L | 4 |
| 11011-008 | MW-9 | n/a | 10/28/2010@14:10 | Aqueous | ug/L | 4 |

| Sample # | Tests | Status | QA Method |
|---|---|---|---|
| 001 | Stars VO List | Complete | 8260B |
| " | TCL VOA | Run | 8260B |
| " | Stars BN List | Complete | 8270C |
| " | TCL BN | Run | 8270C |
| 002 | Stars VO List | Complete | 8260B |
| " | TCL VOA | Run | 8260B |
| " | Stars BN List | Complete | 8270C |
| " | TCL BN | Run | 8270C |
| 003 | Stars VO List | Complete | 8260B |
| " | TCL VOA | Run | 8260B |
| " | Stars BN List | Complete | 8270C |
| " | TCL BN | Run | 8270C |
| 004 | Stars VO List | Complete | 8260B |
| " | TCL VOA | Run | 8260B |
| " | Stars BN List | Complete | 8270C |
| " | TCL BN | Run | 8270C |
| 005 | Stars VO List | Complete | 8260B |
| " | TCL VOA | Run | 8260B |
| " | Stars BN List | Complete | 8270C |
| " | TCL BN | Run | 8270C |
| 006 | Stars VO List | Complete | 8260B |
| " | TCL VOA | Run | 8260B |

# PROJECT INFORMATION

E 1 0 - 1 1 0 1 1

**Case No. E10-11011** **Project PETROCELLI**

| Sample # | Tests | Status | QA Method |
|---|---|---|---|
| " | Stars BN List | Complete | 8270C |
| " | TCL BN | Run | 8270C |
| 007 | Stars VO List | Complete | 8260B |
| " | TCL VOA | Run | 8260B |
| " | Stars BN List | Complete | 8270C |
| " | TCL BN | Run | 8270C |
| 008 | Stars VO List | Complete | 8260B |
| " | TCL VOA | Run | 8260B |
| " | Stars BN List | Complete | 8270C |
| " | TCL BN | Run | 8270C |

**11/17/2010 15:27 by Ellen - ADD**

AS PER BRIAN R., TCL LIST REQUIRED FOR VO & BN NOT STARS AS ORIGINALLY REQUESTED. SAMPLES ALREADY ANALYZED, PLEASE SUBMIT REVISED PAPERWORK. DUE 11/24.

ORIGINAL FAX 11/15
ORIGINAL H.C. 11/17

# *Laboratory Custody Chronicle*

***IAL Case No.***

**E10-11011**

***Client*** Brinkerhoff Environmental Services

***Project*** PETROCELLI

***Received On*** 10/29/2010@19:44

| **Department: Volatiles** | | | ***Prep. Date*** | ***Analyst*** | ***Analysis Date*** | ***Analyst*** |
|---|---|---|---|---|---|---|
| Stars VO List | 11011-001 | Aqueous | n/a | n/a | 11/ 4/10 | Xing |
| " | -002 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -003 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -004 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -005 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -006 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -007 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -008 | " | n/a | n/a | 11/ 4/10 | Xing |
| TCL VOA | -001 | Aqueous | n/a | n/a | 11/ 4/10 | Xing |
| " | -002 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -003 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -004 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -005 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -006 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -007 | " | n/a | n/a | 11/ 4/10 | Xing |
| " | -008 | " | n/a | n/a | 11/ 4/10 | Xing |

| **Department: Semivolatiles** | | | ***Prep. Date*** | ***Analyst*** | ***Analysis Date*** | ***Analyst*** |
|---|---|---|---|---|---|---|
| Stars BN List | -001 | Aqueous | 11/ 2/10 | Kou-Liang | 11/ 2/10 | JC |
| " | -002 | " | 11/ 2/10 | Kou-Liang | 11/ 2/10 | JC |
| " | -003 | " | 11/ 2/10 | Kou-Liang | 11/ 2/10 | JC |
| " | -004 | " | 11/ 2/10 | Kou-Liang | 11/ 2/10 | JC |
| " | -005 | " | 11/ 2/10 | Kou-Liang | 11/ 2/10 | JC |
| " | -006 | " | 11/ 2/10 | Kou-Liang | 11/ 2/10 | JC |
| " | -007 | " | 11/ 2/10 | Kou-Liang | 11/ 2/10 | JC |
| " | -008 | " | 11/ 2/10 | Kou-Liang | 11/ 2/10 | JC |
| TCL BN | -001 | Aqueous | n/a | n/a | 11/ 2/10 | JC |
| " | -002 | " | n/a | n/a | 11/ 2/10 | JC |
| " | -003 | " | n/a | n/a | 11/ 2/10 | JC |
| " | -004 | " | n/a | n/a | 11/ 2/10 | JC |
| " | -005 | " | n/a | n/a | 11/ 2/10 | JC |
| " | -006 | " | n/a | n/a | 11/ 2/10 | JC |
| " | -007 | " | n/a | n/a | 11/ 2/10 | JC |
| " | -008 | " | n/a | n/a | 11/ 2/10 | JC |



*Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288*