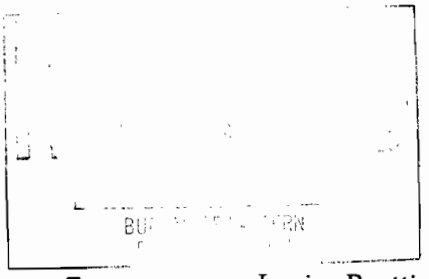
CDM Transmittal

CDM
Raritan Plaza I
Edison, New Jersey 08818
(732) 225-7000
(732) 225-7851



To:	Robert DeCandia	**From:**	Jessica Beattie
Organization/ Address:	NYSDEC Division of Environmental Remediation 625 Broadway, 11th Floor Albany, New York 12233-7015 (518) 402-9621	**Date:**	October 13, 2009
Re:	Final Site Characterization Report – Shames Drive Industrial Park (Site No. 1-30-173)		
Job #:	0897-59317-Task3		
Via:	*Mail:*	*Overnight:* X	*Courier:*
Enclosed please find:	Final Site Characterization Report for Shames Drive Industrial Park		

For your information	X	**Approved**	
For your review		**Approved as noted**	
For your signature		**Returned to you for correction**	

Message:

Enclosed please find three (3) copies of the Final Site Characterization Report for Shames Drive Industrial Park (Site No. 1-30-173). A copy of all of the project lab data is on the enclosed CD.

Thanks,

Jessica

Jessica R. Beattie, P.G.

FINAL
SITE CHARACTERIZATION REPORT
Shames Drive Industrial Park
(Site No.:1-30-173)
Westbury, New York

Prepared for

New York State Department of Environmental Conservation

Investigation and Design Engineering Services

Standby Contract No. D004437

Work Assignment No. D004437-11

Prepared by

Camp Dresser & McKee

Raritan Plaza I, Raritan Center

Edison, New Jersey

October 2009

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Section 1
Introduction

This Site Characterization Report for the Shames Drive Industrial Park located on Shames Drive in Westbury, Nassau County, New York herein referred to as "the Site" was prepared by Camp Dresser and McKee (CDM) for the New York State Department of Environmental Conservation (NYSDEC) under the Engineering Services for Investigation and Design, Standby Contract No. D004437. This report details the results of the field investigation conducted in accordance with the Site Characterization Work Plan dated January 2008. This Site Characterization Report was developed in accordance with the "State Superfund Standby Contract Work Assignment D004437-11, Site Characterization, Shames Drive Industrial Park, Site No. 130173." The Work Plan and this Site Characterization Report also follows the guidelines set forth in the "*Draft Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation, dated December 2002*".

The Site Characterization performed under this Work Assignment consisted of a records search, geophysical survey, soil vapor intrusion evaluation at Orly's Treehouse (child day care center), installation of six monitoring wells, and the collection of groundwater samples from the new wells. The records search report was submitted as a standalone document simultaneously with the Work Plan. Results of the records report are also detailed in the operational history and previous investigations sections of this report.

This report is comprised of the following sections:

- **Section 1 – Introduction**
  This section presents the Site background and history, location, operational and remedial history, potential sources, as well as the project objectives

- **Section 2 – Physical Setting**
  This section presents the physical conditions of the Site and surroundings, including a general description of soils, geology, hydrogeology, and topography, as well as the groundwater level and flow direction

- **Section 3 – Site Investigation**
  This section provides the investigation procedures and any variations which may have influenced sampling procedures or analytical results

- **Section 4 – Analytical Results**
  This section presents and evaluates the analytical results of the soil and groundwater samples collected at the Site in comparison to acceptable New York State standards

- **Section 5 –Conclusions and Recommendations**
  This section presents the conclusions based upon the analytical results of the Site investigation and presents recommendations for potential future work.

1.1 Site Description and Background

1.1.1 Site Description

The combined acreage of all industrial park properties is 24.2369 acres. Shames Drive is located in Nassau County, Long Island, NY and spans across the towns of Westbury, Jericho and Oyster Bay (Figure 1-1 and Figure 1-2). According to the USGS *Hicksville, New York* 7.5-Minute topographic map (1979), the site lies approximately 160 feet above mean sea level (msl).

The property is surrounded by commercial and industrial properties. The site is bound to the north by Montrose Road, to the west by Brush Hollow Road, to the south by the North Fork Theatre, and to the east by Cantiague Rock Road and commercial/ industrial buildings. Each property in the industrial park is improved with buildings constructed in the late 1950s early 1960s. The former Solvent Finishers site (NYSDEC Site No. 130172) is located northeast of the industrial park.

1.1.2 Operational History

Development of Shames Drive first began in the 1940s as farmland with residential and farm buildings. Based on the 1947 Hicksville 7.5 minute topographic map (Appendix G) and 1953 aerial (Appendix F) a driveway leading to three structures, likely a house and farm buildings existed. A clearing south and east of the buildings is defined and appears to be farmed. Based on the size, shape and location of the clearing it is thought to set the outline for the Shames Drive circle. The start of industrial development began in the late 1950s to early 1960s with construction of the road. Historic Sanborn maps and Nassau County property cards show that nearly all of the buildings along Shames Drive were constructed between 1958 and 1961 with improvements, such as additions, garages, shops, and paving being completed shortly after.

The majority of the Shames Drive properties were first developed for manufacturing and industrial use. Site construction has remained fairly unchanged with only the occupants and property use changing over the years. Table 1-1 on the following page lists the properties aligning Shames Drive by block and lot, current address, lot size, year of development and original occupant or use.

Table 1-1
Shames Drive Industrial Park Property List

Section/ Block/Lot	Current Address	Year Developed/ Use	Lot Size (acres)
11/B/938	100 Shames Drive	1958 - Electronics Equipment Manufacturing	0.47
11/B/935	1000 Shames Drive	1957 - Manifold product Manufacturing	1.37
11/B/962 & 953	1100/1150/1300 Shames Drive	1958 - Aircraft Turbine Service 1958 - Radiation Research 1958 - Electronics Equipment Manufacturing	1.30
11/B/1073	1200 Shames Drive	1958 - Hi-Temp Wires Company	2.43
11/B/954	1250 Shames Drive	1958 - Electronic Equipment Manufacturing	0.57
11/B/955	1400 Shames Drive	1958 - Fabric Jobbers and Quilters	0.47
11/B/956	1500 Shames Drive	1958 - Lithographers 1968 - Addition constructed	1.00
11/B/1014	1600 Shames Drive	1958 - Electronics	0.70
11/B/965	1700 Shames Drive	1959 - Electronics Equipment Manufacturing	2.32
11/B/959	1800 Shames Drive	1958-1961 - Electronics Equipment Manufacturing	0.51
11/B/960	2000/2200 Shames Drive	1958 - Metals Manufacturing 1958 - Electronics Manufacturing	0.89
11/B/964	2300 Shames Drive	1958 - Electronics Equipment Manufacturing	0.53
11/B/958	2500/2700 Shames Drive	1958 - Instrument Manufacturing 1958 - Design Service	0.69
11/B/923	300 Shames Drive	1958 - Electronics Equipment Manufacturing	0.61
11/B/1050	25 Shames & Brush Hollow Road	1958 - Tivoli Motel & Restaurant (2 Buildings)	2.00
11/B/1048	3400 Brush Hollow Road		
11/B/970	3400 Shames Drive		
11/B/921	400 Shames Drive	1958 - Welding supplies company	0.62
11/B/918 & 1052	4800/5000 Brush Hollow Road 200 Shames Drive	1958-1961 Manufacturing Toy Vending Machinery	2.40
11/B/922	500 Shames Drive	1958 - Machine Shop	1.40
11/B/930	600 Shames Drive	1957 - Oven manufacturing	0.69
11/B/941	700/750 Shames Drive	1958 - Industrial Electronics Manufacturing	1.06
11/B/934	800-820 Shames Drive	1957 - Electronics research plant	0.93
11/B/933	900 Shames Drive	1958 - Private Garage	0.82

Based on information obtained from the records review, 14 properties of concern were identified (Table 1-2) as having the potential to have impacted groundwater at the Site. The locations of these properties are identified on Figure 1-3. In addition, a childcare center operates at 1000 Shames Drive (Lot 935). NCDOH records indicate

that low levels of volatile organic compounds (VOCs) were identified in cesspool water and soil on the property. As such, a vapor intrusion evaluation was performed on this property to evaluate the potential exposure to the children at the facility.

Table 1-2
Properties of Potential Concern

Lot	Address	Current Occupant	Current Business	Previous Occupant	Previous Business	Potential Concern
938	100 Shames Dr	First Investors Corp	Financial services	1958- Intercontinental Electronics 1971- Jasik Laboratories, Inter-County Tabulating Co.,Inc.	Manufacture of Electronics equipment, research/development of high frequency antenna and microwave transmission systems, tabulating services	two 8,000-gal gasoline USTs previously on site
921	400 Shames Dr	General Welding Supply Co.	Sales of welding supplies and industrial/medical gases	1958- General Welding Supply Corp. Welding Supplies, Inc.	Warehouse and sales of welding supplies	2,000-gal and 4,000-gal USTs previously on site – contents unknown
922	500 Shames Dr	Verizon	Telecommunications	1957- Stanant MFG Company, Inc., 1992- NY Telephone Bell Atlantic	Machine shop; Maintenance garage, telecommunications	1990- cesspool soils contained halogenated hydrocarbons & heavy metals; presence of a long grate-like drain w/ unknown discharge point; former waste oil tank, gasoline UST
930	600 Shames Dr	General Welding Supply Co.	Sales of welding supplies and industrial/ medical gases	Westbury Industrial Development Corp., Universal oven Corp	Welding and steel cutting	Welding and steel cutting operations
941	700 Shames Dr	California Closet Co	Sales of storage & closet equipment supplies & materials	1957- SemCo Westbury Industrial Development Corporation & Champion Storm-Sash Co 1990-Wesbury Alloys	Aluminum sash fabrication. Warehouse and masonry shop Refining & smeltering precious metals	Refining and smeltering precious metals using hydrochloric acid, nitric acid and cyanide 2,550-gal spent acid UST previously on site

Lot	Address	Current Occupant	Current Business	Previous Occupant	Previous Business	Potential Concern
1073	1200 Shames Dr	Multi Occupant	Multi Use: Jordan Fashions; MTS Power Systems; Delfino Insulation Co., Inc.	1958-HITEMP Wires Co, a Div. of the Simplex Wire and Cable Corp.	Manufacture of wire insulation	Most upgradient property; former on-site manufacturing
962	1300 Shames Dr	Miller Envirn. Group Inc.	Environmental consulting services	1958- SemCo Aircraft Turbine Services	Manufacture, testing and repair of aircraft components	Former manufacture and repair of aircraft parts; former oil ASTs and UST.
956	1500 Shames Dr	National Molding and Ornament	Sales of lumber and millwork	1958 - Slantco (aka Slant Fin Corporation), 1965 -Hallmark Lithographers, 1977-Slant Fin	Metal casting foundry, Print shop	complaints regarding noxious odors; former metal casting and print shop operations
1014	1600 Shames Dr	AVAD Metro east Distributors	Sales of audio components; flat panel TVs and home theatre systems	1957- Electronic Equipment Manufacturing 1967 Radiation Dynamics Inc.	Manufacture of electronics	Former radiation on site.
965	1700 Shames Dr	Sprague Goodman Electronics	Manufacture of trimmer capacitors, assembly of electronic parts & electroplating / metalizing of dielectric tubes	1959- Electronics Equipment Manufacturing 1960- Power Designs Inc., P-Electronics Inc.	Office/ factory use; manufacturing of trimmer capacitors, assembly of electrical parts, & electroplating/ metalizing of dielectric tubes	Copper sulfate, stannous sulfate, 1,1,1,-trichloroethane (1,1,1-TCA), and methyl alcohol for degreasing is used during processing. Rinses from copper and tin plating discharged to a pit in the process area at the front of the building
959	1800 Shames Dr	Electro Industries	Manufacture / sales of power and energy meters & power analyzer technology	1959- Radiation Dynamics, Electronics Equipment Manufacturing	Research & development of high voltage particle accelerators & manufacture of X-ray equipment	Former radiation vault on site

Lot	Address	Current Occupant	Current Business	Previous Occupant	Previous Business	Potential Concern
964	2300 Shames Dr	Kemp Metal Products, Inc	Pouring and rolling out metal ingots (zinc & nickel) and cutting into karats	1959- Precision boring Co, Kemp Metal Products, Inc, 1966- Polymer Plastics manufacturing Corp 1968- Electronics Equipment Manufacturing, Freedman 1989- accent on Lithography	Metal works, precision products and instruments, manufacture of sealers, adhesives, etc. Print shop	discharge pipe, uncapped/ un-elevated waste drums, un-designated chemical storage areas and un-posted MSDS; metal works; former use of dyes, photo developer and fixer; waste streams poured in sink; borax, hydraulic oil and cooling oil
958	2500 Shames Dr	BDC & Custom Install/ CEDIA Distribution	Sales of audio and video equipment and architectural and home automation products	Henry J. Green Instruments Inc., White Hixon Laboratories	Manufacture of meteorological instruments, manufacture, design, test and sales of photographic processing equipment	Manufacturing of meteorological equipment could indicate storage and use of mercury
958	2700 Shames Dr	County Fair Air Conditioning Corp	Full service mechanical contractor	1970-Clairette manufacturing Co., Martha-Theiss Inc	Unknown, office space & technical services, research, development and electronics	Instrument machining conducted on-site

1.2 Project Objectives

The primary objective of this work assignment was to determine if on-site sources of contamination are present within the industrial park which would warrant the site being listed as a New York State Hazardous Waste Site. A secondary objective is to determine if the industrial park properties have been impacted by upgradient sources of contamination, specifically, the Solvent Finishers Site. The Solvent Finishers Site is a former industrial dry cleaner located at 601 Cantiague Rock Road, and is suspected to be a strong potential source of groundwater contamination. The location of the Solvent Finishers site is identified on Figure 1-2. The investigation will focus on determining groundwater flow direction, the level of contamination, and the possible sources of contamination. The results of the investigation will be used to determine if the site should be listed as a New York State Hazardous Waste Site. The tasks conducted for this work assignment included:

- Task 1A - Site Visit and Work Plan Development
  A site visit was conducted on May 17, 2007. A Work Plan was developed which included a site specific Health and Safety Plan (HASP) and a Citizen Participation Plan (CPP). The HASP described the site health and safety for the field activities that were performed and included the Community Air Monitoring Plan (CAMP).

- Task 1B – Records Search

A records search was performed to meet the requirements of NYSDEC's *Draft DER-10 Technical Guidance for Site Investigation and Remediation* dated December 2002. Data collected during the records/background search was summarized in a Record Search Report and utilized to develop and design the proposed sampling activities detailed in the Work Plan. The Record Search Report was provided to NYSDEC as a standalone document, submitted simultaneously with the Work Plan.

- Task 2 – Site Characterization
  The site investigation activities included the following:
  - Perform a geophysical survey to identify subsurface utilities and clear the boring locations prior to drilling;
  - Perform a soil vapor intrusion evaluation at Orly's Treehouse, a child care facility, located at 1000 Shames Drive (Lot 935), to determine the presence of soil vapors in the unsaturated zone that may impact the indoor air quality in the on-site structure.
  - Install monitoring wells at six locations of concern, at which groundwater samples were collected, to determine the presence of groundwater contamination. The six locations include one location situated upgradient of the industrial park to determine if groundwater within the industrial park is being impacted by upgradient sources of contamination.
  - Survey the locations and elevations of the six monitoring wells to enable determination of groundwater flow direction within the industrial park. Soil vapor points will also be surveyed to enable placement of the locations on a site map.
  - Dispose of investigation derived waste

  The objective was to provide groundwater and soil analyses for comparison to NYS Class GA Groundwater Quality Standards and NYSDEC Soil Cleanup Objectives. The field investigation section (Section 3) presents the field activities conducted on site in further detail.

- Task 3 – Field Documentation and Reporting
  Field documentation and report development presenting the results of the field investigation.

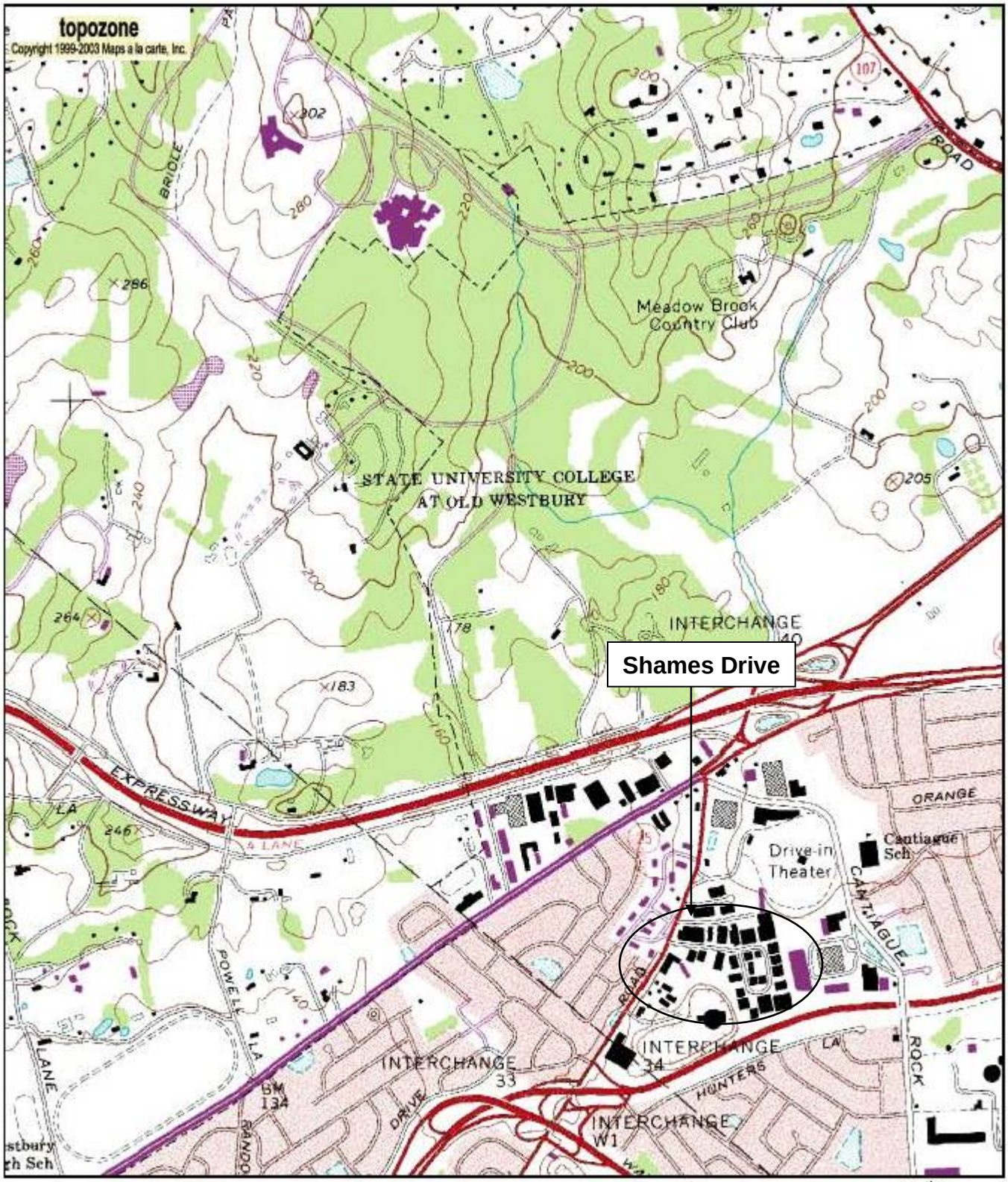


Figure 1-1
Site Location Map

COPYRIGHT 1985 NASSAU COUNTY

300' 150' 0' 300' 600'
SCALE: 1"= 300'

Shames Drive Industrial Park

NY PLANE COORDINATE SYSTEM

Solvent Finishers

DETAIL SCALE 1" = 150'

E 2,120,500
N 199,000

E 2,121,800

E 2,124,500
N 200,400

BRUSH HOLLOW RD.
NORTHERN STATE PKWY.
CANTIAGUE ROCK RD.
CANTIAGUE HGWY.
MONTROSE RD.
SHAMES DR.

SCH. DIST. 15
SCH. DIST. 17
SCHOOL DISTRICT NO. 1
T OF O.B.
T OF N.H.
CODE 565

Figure 1-2

LEGEND

COUNTY LINE
TOWN LINE
VILLAGE LINE
SCHOOL DISTRICT LINE
PROPERTY LINE
SPECIAL DISTRICT LINE
BLOCK LINE
LOCATOR POINT
TAX MAP PARCEL NO. 248
CALCULATED ACREAGE 75A(C)
DEED ACREAGE 175A
SCALED DIMENSION 327(S)
DEED DIMENSION 185.66

REFERENCE MAPS
MAP NO.

POLICE	DIST
County Police	3
WATER	
Westbury	15
Hicksville	9
Jericho	10
LIGHTING	
Town of North Hempstead	30
Town of Oyster Bay	23
LIBRARY	
Westbury	48
Hicksville	33
Jericho	34

	DIST
FIRE PROTECTION	
SANITARY	
REFUSE & GARBAGE	
REFUSE DISPOSAL	
SEWAGE COLLECTION	
Sewage Collection District #3-CP-W	52
Sewage Collection District #3-H	18
Town of Oyster Bay	55

SPECIAL DISTRICTS

	DIST
PUBLIC PARKING	
Town of Oyster Bay - Unincorporated Area	A
SEWER	
Nassau County Sewage Disposal District # 3	39
PARK	
Hicksville	57
Jericho	60
IMPROVEMENT	
SIDEWALK Town of North Hempstead	S

	DIST
DRAINAGE	
Unincorporated Area of District#1	D
FIRE HYDRANT RENTAL	
GARBAGE	
New Cassel	66
Garbage District#1	93
ESCALATOR	
WATER POLLUTION CONTROL	
Town, County, College, Police HQ	1
Town Highway	2

MUNICIPALITIES

TOWN OF:
HEMPSTEAD
NORTH HEMPSTEAD
OYSTER BAY
CITY OF:
GLEN COVE
LONG BEACH
VILLAGE OF:

SCHOOL DISTRICT

Westbury	1
Jericho	16
Hicksville	17

Nassau County
Department of Assessment
Harvey B. Levinson, Chairman
Land & Tax Map

Map Last Revised: January 4 2005

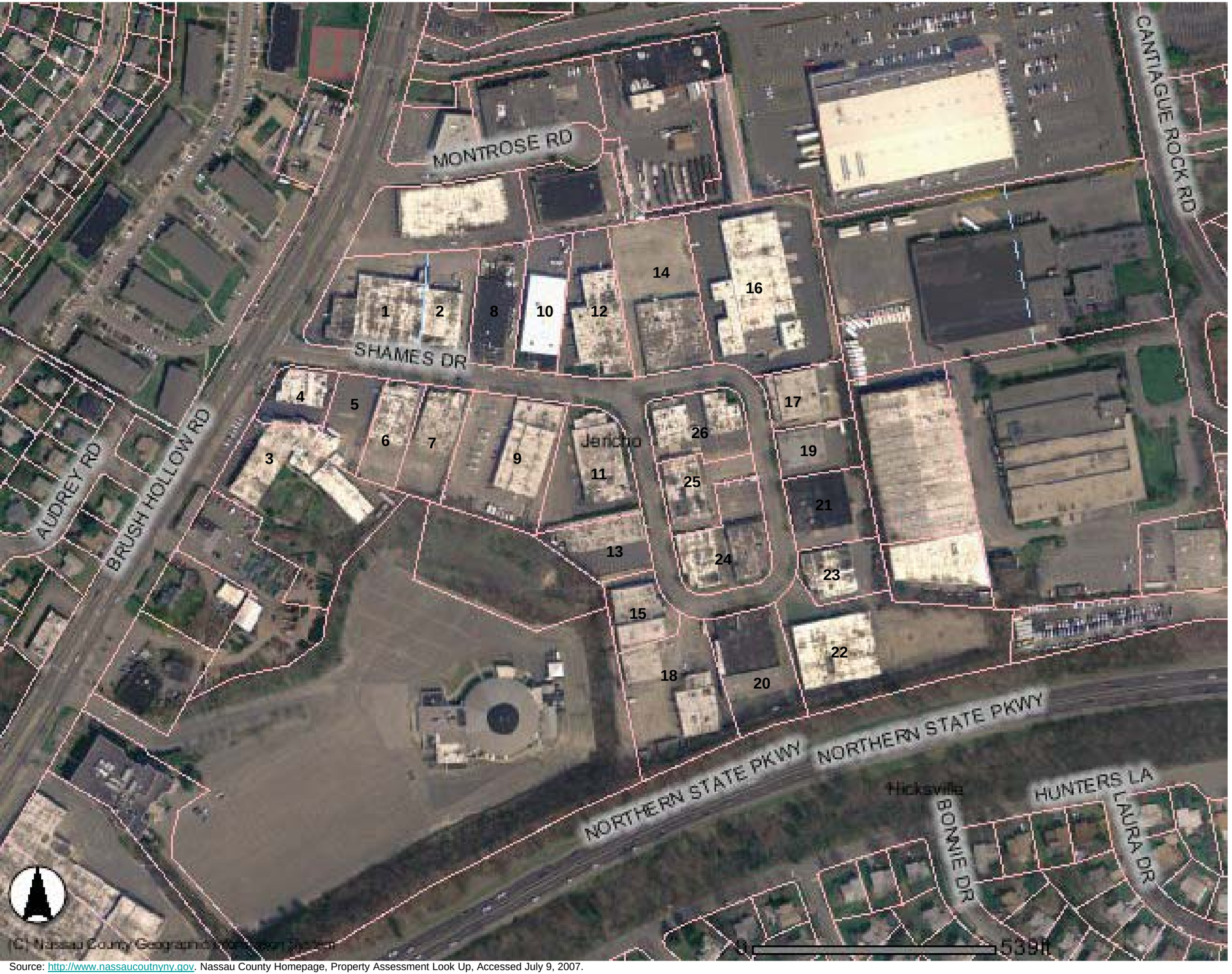
SEC. 11
BLK. B

SHEET 1 OF 1

CODL	SPLCIAL DISTRICT WITHIN												
542	1	10	18	2	23	3	34	39	55	60	93	A	D
575	1	10	2	23	3	34	39	52	55	60	93	A	D
585	1	10	2	23	3	33	39	52	55	57	93	A	D
610	1	10	18	2	23	3	33	39	55	57	93	A	D
611	1	18	2	23	3	33	39	55	57	9	93	A	D

CODL	SPLCIAL DISTRICT WITHIN									
776	1	15	2	3	30	39	48	52	56	S

CODL	SPLCIAL DISTRICT WITHIN



Index #	Lot	Address
1	1052	4800-5000 Brush Hollow Rd
2	918	200 Shames Drive
3	1048	3400 Brush Hollow Rd
4	1050	25 Shames & Brush Hollow Rd
5	970	3400 Shames Drive
6	938	100 Shames Drive
7	923	300 Shames Drive
8	921	400 Shames Drive
9	922	500 Shames Drive
10	930	600 Shames Drive
11	941	700 & 750 Shames Drive
12	934	800 & 820 Shames Drive
13	933	900 Shames Drive
14	935	1000 Shames Drive
15	953	1100 Shames Drive
16	1073	1200 Shames Drive
17	954	1250 Shames Drive
18	962	1150 &1300 Shames Drive
19	955	1400 Shames Drive
20	956	1500 Shames Drive
21	1014	1600 Shames Drive
22	965	1700 Shames Drive
23	959	1800 Shames Drive
24	960	2000 & 2200 Shames Drive
25	964	2300Shames Drive
26	958	2500 & 2700 Shames Drive

Figure 1-3
Shames Drive Industrial Park
Property Locations

Source: http://www.nassaucoutnyny.gov. Nassau County Homepage, Property Assessment Look Up, Accessed July 9, 2007.

Section 2
Physical Setting
2.1 Environmental Setting

The Shames Drive Industrial Park is relatively flat and lies at an approximate elevation of 140 feet above mean sea level (msl). Local topography slopes from the northeast to the southwest in the vicinity of the Site. Based on data collected during the site investigation, the groundwater table lies approximately 81 feet above msl at the Site, approximately 60 feet below ground surface (bgs). The 960 Brush Hollow Road, downgradient of the site was a former sand mine and ground surface is approximately 30 feet lower than along Shames Drive. Groundwater was encountered at about 30 feet bgs on this property.

2.1.1 Geology

Long Island is comprised of Cretaceous and Pleistocene unconsolidated deposits underlain by Early Paleozoic to Precambrian bedrock. The hydrogeology of Long Island has been well documented over the years by the USGS. Three major aquifers are present on Long Island: the upper glacial aquifer, the Magothy aquifer and the Lloyd aquifer.

Basement

Basement is composed of Precambrian to Early Paleozoic igneous or metamorphic consolidated bedrock. Unconformably overlying the basement is a thick succession of Late Cretaceous deposits: the Raritan and overlying Magothy Formations, both of fluvio-deltaic depositional origin. The Upper Cretaceous deposits are unconformably overlain by a veneer of Pliocene and Pleistocene deposits, chiefly of glacial origin.

Cretaceous

Raritan Formation: The Raritan Formation is divided into the basal Lloyd Sand Member and the overlying Raritan Clay Member. The Lloyd Sand rests unconformably on bedrock and is about 150 feet thick in the vicinity of the Site. The top of the Lloyd Sand is found at approximately 200-250 feet below msl. It is composed of white and grey fine to coarse sand and gravel, commonly with a clayey matrix. The contact with the overlying clay member is gradational.

The Raritan Clay Member is composed chiefly of bedded variegated clay and silt, locally containing interbedded sands. Lignite fragments and iron and pyrite nodules are common. The clay member is approximately 100 feet thick in the vicinity of the Site. The Raritan Clay is the most widespread hydrologic confining layer on Long Island. The Raritan's updip erosional pinchout generally is located subparallel to the northern coast of Nassau County. The clay unit dips gently to the south-southeast.

Matawan Group-Magothy Formation (Magothy): The Magothy unconformably overlies the Raritan; the contact is commonly marked by a change from the solid clays of the Raritan Clay Member to coarse sands and gravels of the basal unit of the Magothy. The dominant Magothy lithology generally is fine to medium quartz sand,

interbedded clayey sand with silt, clay, and gravel interbeds or lenses. Interbedded clay is more common towards the top of the formation. The thickness of the Magothy varies between 100 feet in the vicinity of the Site to over 800 feet beneath the barrier islands.

Cenozoic-Quaternary

After the Cretaceous, deep erosion of the land surface took place as a response to fluctuations in sea level. Sedimentological evidence indicates that sea level falls exposed the entire Atlantic continental margin during the Miocene epoch, which would have promoted rejuvenation and deep incision of rivers and streams across the Coastal Plain. Later deposition of abundant fluvial and glacial clastic deposits during the Pliocene and Quaternary filled these incised buried valleys. The top of the Cretaceous sequence is marked by a highly irregular erosion surface upon which rests deposits of Pleistocene and, in some places, Pliocene age.

Deposits of Pleistocene age mantle the Cretaceous formations. Within the study area, the Pleistocene deposits include three depositional sequences: the fluvial Jameco Gravel and marine Gardiners Clay; and the much more widespread Late Pleistocene glacial deposits of the Wisconsin glacial stage. Undifferentiated gravels and clays described in buried valleys within southern Long Island have been attributed to the Jameco Gravel and Gardiners Clay units. The Jameco Gravel and Gardiners Clay formations are well-defined, mapable stratigraphic units beneath the southern margin of Long Island where they are of hydrogeological significance. These stratigraphic units are not recognized in the vicinity of the Site. The remainder of the Pleistocene succession belongs to the Wisconsin glacial stage Upper Glacial Deposits.

The thickness of the Pleistocene Upper Glacial Deposits in the study area varies but averages 100 feet. The thickness and distribution of the Pleistocene Upper Glacial Deposits were controlled by the older, now buried paleotopography discussed above. The pattern of stream and river valleys that dissected the surface of Long Island during the Cenozoic likely was later modified by Pleistocene overriding ice sheets and meltwater erosion and deposition.

2.1.1.1 Site Stratigraphy

Based on the stratigraphy observed during the installation of the six monitoring wells, subsurface soil at the northern portion of the Shames Drive industrial park (location of CDM-MW-1 and -MW-2) consists of yellow-brown fine to medium sand to about 15 feet bgs. This material is underlain by a light-brown fine to coarse sand with trace to little gravel to about 60 feet bgs. From 60 to 72 feet bgs, soil consisted of light-brown to yellow-brown fine sand.

Soils along the southeastern portion of the Site (CDM-MW-6) consisted of white-brown and red-white fine to medium sand and trace gravel to about 12 feet bgs. This layer was underlain by light brown fine to medium sand with trace to little gravel to about 35 feet bgs. At 35 feet bgs a clay layer (less than five feet) was encountered at this well location. Beneath the clay is a red-white to brown-white fine to medium sand.

The 960 Brush Hollow Road property is situated at an elevation approximately 30 feet lower than Shames Drive. Soils observed during drilling at 960 Brush Hollow Road (CDM-MW-3, -4, and -5), southwest of the Shames Drive Industrial Park consisted of white to light-brown fine sand to silty-sand to about 12 feet bgs, underlain by reddish-brown and black banded light-brown fine sand.

2.1.2 Hydrogeology

The hydrogeology of Long Island has been well documented over the years by the USGS and others. Three major aquifers are present on Long Island: the Upper Glacial aquifer, the Magothy aquifer and the Lloyd aquifer. During the Site Characterization, groundwater monitoring wells were screened in the Upper Glacial Aquifer. The upper glacial aquifer is the surficial unit on Long Island and is therefore entirely unconfined. Along the Harbor Hill and Ronkonkoma terminal moraines and parts of the north shore, the unit is composed of till consisting of poorly sorted clay, sand, gravel, and boulders. The till is generally poorly permeable and may contain perched water. The outwash deposits that are found are mainly between, and south of, the moraines. The outwash deposits are moderately to highly permeable, consisting of gray, brown, and yellow fine to very coarse sand and gravel. The upper glacial aquifer ranges up to 600 feet thick, however the saturated thickness is often much lower. The estimated average horizontal hydraulic conductivity generally exceeds 225 ft/day.

Based on the observations made during this Site Characterization, Nassau County regional groundwater information obtained in the *Nassau County Groundwater Monitoring Program, 2002-2003* (NCDPW, 2005) the water table lies at an elevation of 70 to 80 feet above mean sea level (MSL). During the field investigation, groundwater was encountered at 81 feet bgs throughout the site. Groundwater contours generated based on the groundwater surface elevations at the six wells installed during the investigation suggest that groundwater flows to the south-southwest across the Site. The groundwater flow direction is depicted by the contours on Figure 2-1.

Flow in the underlying Magothy Aquifer is more towards the south/southwest near the site. Groundwater flow in the deeper Lloyd Aquifer is expected to be to the southwest.

2.2 Contaminant Fate and Transport

Tetrachloroethene is a manufactured chemical that is widely used in the dry-cleaning industry. It is also used for degreasing and is found in consumer products including some paint and spot removers, water repellents, brake and wood cleaners, glues, and suede protectors. Other names for tetrachloroethene include tetrachloroethylene, perchloroethylene, and PCE.

2.2.1 Fate of PCE

The fate of PCE is dominated by its volatility and degradation. PCE's presence in surface soils or surface water is usually short-lived, providing that a continuing source is not present.

In the atmosphere, PCE is expected to be present primarily in the vapor phase and not sorbed to particulates because of its high vapor pressure of 18 mm Hg. Vapor-phase PCE will be degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals. Direct photolysis is not expected to be an important environmental fate process since PCE only absorbs light weakly in the environmental ultraviolet (UV) spectrum.

The dominant fate of PCE in soils is volatilization. Based on its K_{oc} value of 265 milliliters per gram (mL/g), PCE is moderately mobile in soils. Consequently, PCE has the potential to migrate through the soil into groundwater. PCE has a specific gravity greater than water (1.62) indicating that pure liquid phase PCE will sink when dissolved in groundwater. The solubility of PCE in water is 150 milligrams per Liter (mg/L). Biodegradation under anaerobic conditions in soil and groundwater may occur at a relatively slow rate with half lives on the order of months or longer. PCE in groundwater can undergo reductive dechlorination catalyzed by anaerobic bacteria. The PCE will tend to degrade to TCE. Subsequent degradation to *cis*-1,2-dichloroethene (DCE) or *trans*-1,2-DCE and then to vinyl chloride can also occur via anaerobic mechanisms. Vinyl chloride can further degrade to ethylene.

Volatilization is also an important fate process of PCE in surface waters based on its Henry's Law constant of 1.73×10^{-2}atm-m^3/mol. PCE is also not expected to adsorb to suspended solids and sediment in water based upon its K_{oc} value. The half-lives in soil and groundwater were reported to be 180-360 days and 270 days respectively. A reported K_{ow} value of 351 in fish suggests that the potential for PCE to bioconcentrate in aquatic organisms is low.

2.2.2 Transport of PCE

Liquid phase PCE discharged directly to the ground surface would be expected to migrate downward through the unsaturated zone in a relatively linear pattern, with minimal dispersion from the discharge location. The unsaturated zone at the site is expected to be primarily sandy material; however the presence of lower permeability silt and clay layers may be encountered which could complicate the migration pathway. The depth to groundwater at the site is about 80 feet bgs, so any PCE entering the unsaturated zone has a significant distance to travel before groundwater is encounterd.

Significant soil vapor contamination may be present in the unsaturated zone. The vapor phase PCE vaporizes upward while the liquid phase migrates downward. Chlorinated solvents in the vapor phase can cause significant indoor air contamination due to residual unsaturated soil contamination or vaporization directly from the groundwater table interface.

Once liquid phase PCE encounters the water table, some of the solvent will become dissolved in the groundwater and begin to move in the direction of groundwater flow. If the quantity of solvent reaching the water table is sufficient, some of the solvent will remain in an undissolved state as a dense non-aqueous phase liquid (DNAPL) and, since PCE is denser than water, the solvent will continue to move

downward under the influence of gravity. DNAPL will continue to sink until it encounters a lower permeability zone, which would slow or stop the downward migration. DNAPL could pool or accumulate on top of a lower permeability zone and remain stationary or move in the down-slope direction of the lower permeability zone. If sufficient DNAPL is pooled or trapped in the aquifer, it will act as a continual source of dissolved groundwater contamination. Movement of DNAPL in the saturated zone can be very complex, with movement controlled by the permeability of subsurface stratigraphic units, the shape and configuration of lower permeability zones, and/or the dip of bedding planes.

At the site, groundwater generally flows toward the south-southwest.



Legend

- Monitoring Well
- Groundwater Contour

Note:
(81.58) Water level used for contouring

N

0 100 200 400
Feet

CDM

Figure 2-1
Groundwater Contours
Shames Drive Industrial Park
Westbury, Long Island, Nassau County, New York

Section 3
Field Investigation

3.1 Sub-Surface Field Investigation

The following subsections describe the field investigation that was conducted from April 17, 2008 through June 4, 2008 by CDM. The investigation was conducted in accordance with the January 2008 Site Characterization Work Plan. Tasks included a geophysical survey, soil vapor sampling at Orly's Treehouse, installation and sampling of six monitoring wells, and surveying. The monitoring well and soil vapor locations are presented on Figure 3-1. The field investigation included the following:

- Geophysical survey of proposed monitoring well and soil vapor locations for utility clearance;
- Installation of six groundwater monitoring wells (CDM-MW-1 through CDM-MW-6);
- Collection of one (1) sub-surface soil sample from 10 to 12 feet bgs at CDM-MW-2 for VOC, SVOC, and metals analysis;
- Collection of six (6) groundwater samples and one (1) duplicate, at the six monitoring well locations for VOC, SVOC, and metals analysis;
- Collection of ten (10) soil vapor samples, one (1) duplicate sample and one (1) ambient air sample for VOC analysis;
- Survey of all sampling points

These samples were collected in accordance with the CDM Generic Quality Assurance Project Plan (QAPP) dated February 2008 which has been provided to NYSDEC for Contract Number D-004437 and referenced within the Shames Drive Industrial Park Site Characterization Work Plan. Photographs taken during the field investigation are provided in **Appendix A**.

3.1.1 Geophysical Survey

A geophysical survey utilizing ground penetrating radar (GPR) and electromagnetic conductivity (EC) was conducted at the site on April 17, 2008 by Advances Geological Services (AGS) to identify underground utilities, water lines, underground storage tanks and/or any large anomalies such as conduits. The geophysical survey was primarily performed to clear boring locations prior to drilling, since the One-Call service does not mark out utilities beyond the street. Subsurface utilities were marked within 15 feet of each proposed location; to allow for the relocation of borings should refusal be encountered during drilling.

3.1.2 Groundwater Investigation

A ground water investigation was conducted at the site to determine whether groundwater has been impacted by current and historic uses of the site as well as determine if upgradient groundwater contamination from the Solvent Finishers Site (NYSDEC Site No. 1-30-172) is impacting the site. The locations were selected based on information obtained during the record search, which indicated the potential for contamination at 14 of the properties located in the Shames Drive Industrial Park. Historic operations in the industrial park have included the manufacture of electronic equipment, welding supplies, machine shops, aluminum fabrication, metal smeltering, manufacture and repair of aircraft components, a metal casting foundry, a print shop, electroplating, and the manufacturing of meteorological instruments. Most of the properties at the Site were not connected to the municipal sewer until the 1990's. Prior to that time, the businesses used cesspools and drywells for wastewater disposal. At the few properties where investigations were conducted by Nassau County DOH some level of contamination was usually identified, particularly at the locations of former cesspools and drywells.

The investigation included the installation of six groundwater monitoring wells (CDM-MW-1 through CDM-MW-6) at the locations identified on Figure 3-1. The well locations were selected to characterize groundwater entering the Site and groundwater leaving the site. The locations were used to determine if contamination is migrating onto the Site from an upgradient source as well as identify contamination originating within the Site. Access to several of the properties within the Site was limited and several of the wells were placed on the adjacent theater property to the southwest (960 Brush Hollow Road) of the Site. The wells were placed along the perimeter of the Site as follows:

- CDM-MW-1: Upgradient well located at 1000 Shames Drive (Orly's Treehouse - childcare center) to identify whether groundwater contamination from an upgradient source is impacting the site, and also to collect groundwater data at the childcare facility to correlate with soil vapor data;

- CDM-MW-2: Upgradient well located at 1200 Shames Drive to identify whether groundwater contamination from an upgradient source is impacting the site

- CDM-MW-3: Downgradient well at 960 Brush Hollow Road. This well was positioned southwest of 500 and 700 Shames Drive. Cesspools at 500 Shames drive contained halogenated hydrocarbons & heavy metals; a long grate-like drain with an unknown discharge point was also identified on this property. Operations at 700 Shames Drive included refining and smeltering precious metals using hydrochloric acid, nitric acid and cyanide; Underground storage tanks were present on both properties.

- CDM-MW-4: Downgradient well at 960 Brush Hollow Road. This well was positioned southwest of 2300 Shames Drive. Former operations at 2300 Shames Drive included metal works and former use of dyes, photo developer and fixer; borax, hydraulic oil and cooling oil. Records indicate that waste streams were

poured into the sink to discharge to an onsite septic system. An uncapped discharge pipe was also identified at this facility.

- CDM-MW-5: Downgradient well at 960 Brush Hollow Road. This well was positioned southwest of 1500 Shames Drive. Former operations at 1500 Shames Drive included metal casing and print shop operations.

- CDM-MW-6: Dowgradient well positioned southwest of 1700 Shames Drive. Operations at 1700 Shames Drive involve the use of copper sulfate, stannous sulfate, 1,1,1,-trichloroethane (1,1,1-TCA), and methyl alcohol for degreasing. Rinses from copper and tin plating discharged to a pit in the process area at the front of the building.

3.1.2.1 Drilling and Soil Sample Collection

The six wells were installed using hollow-stem auger drilling methods between April 21, 2008 and May 8, 2008. Split spoon samples were collected continuously during drilling from the ground surface to 30 feet bgs (10 feet below the depth of a deep drywell) and at 5-foot intervals the remainder of the boring. Soils were screened with a photoionization detector (PID) for indications of volatile organics, characterized and logged. Boring logs are provided in **Appendix B**.

A soil sample was collected at the 10 to 12 foot interval bgs at CDM-MW-2, located at 1200 Shames Drive. A PID reading of 72.1 parts per million (ppm) was observed at this interval during drilling. This was the highest PID reading observed during the installation of this well. The soil sample will was submitted to Mitkem Corporation, a NYSDOH-certified laboratory, for analysis for volatile organic compounds (VOCs) by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270C and metals by EPA Method 6010B. No other soil samples were collected during the investigation. A sample summary is provided on **Table 3-1**.

3.1.2.2 Groundwater Monitoring Well Construction

The six wells were installed at the Site by Delta Well and Pump Company (Delta). The wells were constructed of 4-inch diameter PVC screen and casing for groundwater sampling and monitoring purposes. The wells were screened across the water table such that 5 feet of screen is above the water table and 10 feet is below. The wells ranged in depth from 32.5 to 75.5 feet bgs. A well construction summary is provided as **Table 3-2**. Well construction diagrams are provided in **Appendix B**.

On May 12 and 13, 2008, the wells were developed by Delta using a submersible pump. With the exception of CDM-MW-2, the wells were pumped at a rate of 20 gallons per minute (gpm). CDM-MW-2 was pumped at a rate of 5 gpm using a smaller pump as there was a defect in the well casing preventing passage of the larger pump. The water quality parameters measured during well development are provided in **Table 3-3**.

3.1.2.3 Groundwater Sampling

The wells were allowed to stabilize following development and were sampled on June 3 and 4, 2008. Prior to sampling, three well volumes were purged from each well. The water quality of each sample was recorded and is presented in **Table 3-4**. Groundwater samples were submitted to Mitkem Corporation, NYSDOH-certified laboratory, for analysis for low level VOCs and SVOCs by EPA SOW OLC03.2 and metals by EPA SOW ILM04.2 in order characterize potential groundwater contamination at the site. A summary of the groundwater samples collected is provided in **Table 3-1**.

3.1.3 Soil Vapor Investigation

A soil vapor investigation was conducted at Orly's Treehouse located at 1000 Shames Drive (Lot 935) in order to determine if vapor phase contaminants are present which may impact the indoor air quality at the child care facility on the property. Soil vapor samples were collected at the locations identified on **Figure 3-1** and summarized on **Table 3-5**. Samples were collected at five (5) locations, with shallow and deep samples at each location.

The investigation included:

- Collecting shallow soil vapor samples at a depth equivalent to that of a typical building foundation (~8 feet bgs) for VOCs.

- Collecting deep soil vapor samples from about 2 feet above the ground water table (55 feet bgs) for VOCs

The soil vapor samples were collected in accordance with the *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006 and the *Draft Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation*, dated December 2002.

3.1.3.1 Soil Vapor Sample Collection

Soil vapor samples were collected at the five boring locations (SV-1 through SV-5) selected by CDM to ensure full coverage of the property (Figure 3-1). The soil vapor points were installed using direct-push drilling methods. Co-located boreholes were drilled to eight feet bgs and 55 feet bgs at the five locations.

Once the desired depth was reached, 3/8-inch Teflon®-lined tubing was connected to a 6-inch double woven stainless steel sampling screen and placed in the borehole. The borehole was then backfilled with sand to a minimum depth of 6 inches above the screen interval followed by 6-inches of dry bentonite. A bentonite slurry was then placed to the ground surface. The bentonite was allowed to hydrate for at least 24 hours prior to sample collection.

Prior to collection of soil vapor samples, the temporary soil vapor probes were purged in accordance with the NYSDOH SVI Guidance. One to three implant volumes (i.e. volume of the sample probe and tube) were purged at a flow rate that did not exceed

200 milliliters (ml) per minute. A Tedlar™ bag was filled toward the end of the purge volume and was screened using a photoionization detector (PID). The PID readings were observed and recorded (**Table 3-5**).

Tracer gas was used to evaluate short-circuiting of the sampling zone with ambient air. The soil vapor sampling locations were evaluated with tracer gas in accordance with the NYSDOH SVI guidance.

The samples were collected using 1.4 liter laboratory-certified clean summa canisters with flow regulators that would allow sample collection at two hours or less. Dedicated Teflon®-lined tubing with an inside diameter of ¼ inch was used at each sample location. The flow rate during sampling did not exceed 0.2 liters per minute, to minimize outdoor air infiltration during sampling. During soil vapor sampling collection, an outdoor ambient air sample (130173-AA) was collected. A duplicate soil vapor sample (130173-SV33-55) was collected at 55 feet bgs at location SV-3.

The soil vapor and ambient air samples were analyzed by Mitkem Corporation for VOCs using EPA Method TO-15. A minimum reporting limit of 1 microgram per cubic meter ($\mu g/m^3$) was achieved for all analytes. Results were reported in $\mu g/m^3$.

3.1.4 Site Restoration

Upon completion of sampling, the soil vapor sample tubing was removed and the temporary soil vapor probe locations backfilled with bentonite. Each location was marked with a stake/flag labeled with the proper sample identification and illustrated on the site map so that it could be surveyed at a later date. Borings performed in paved or concrete areas were backfilled and refinished at the ground surface with concrete or cold patch.

3.1.5 Site Survey

The locations of all sample points were surveyed including the ground surface and casing elevations and the coordinates of the six monitoring wells and coordinates of the five soil vapor point locations. The horizontal and vertical positions were tied into the North American Datum 1983 (NAD83) coordinate system. The vertical positions were tied to the North American Vertical Datum 1988 (NAVD88). The measuring points associated with the monitoring wells were recorded to an accuracy level of 0.01 feet vertically. The well elevations were used to determine the groundwater flow direction within the industrial park, as shown on Figure 2-1. The coordinates were used to map the locations on Figure 3-1.

3.1.6 Investigation Derived Waste

Soil cuttings and purge water from each sampling location were containerized in drums or and disposed off-site. A total of 39 drums containing soil and 29 drums containing development water were generated during the investigation. A soil sample was collected of the cuttings at each well location and a composite sample was collected of the well development water. These samples were analyzed for the full TCLP list and RCRA characteristics. The drums were stored in a designated area at

960 Brush Hollow Road until they could be removed by a waste hauler. A hazardous waste determination letter identifying the waste as non-hazardous was received from NYSDEC on June 19, 2008. A copy of this letter is provided in **Appendix C**. The drums were removed as non-hazardous waste from the site by Innovative Recycling Technologies Inc. on June 27, 2008. A copy of the non-hazardous waste manifest is provided in **Appendix C**. The laboratory data is provided in **Appendix D**.

3.1.7 Decontamination

All non-dedicated equipment and tools used to collect samples for chemical analysis were decontaminated prior to and between each sample interval using an Alconox rinse and potable water rinse prior to reuse. Decontamination fluids were discharged to the ground surface unless a visible sheen or odor was detected either on the equipment or the fluids, at which point the decontamination water was staged in an appropriate container and disposed of appropriately.

3.2 Laboratory Analysis and Validation

All samples were analyzed by Mitkem Corporation, a NYSDOH approved ELAP certified laboratory. Groundwater samples will be analyzed for low level VOCs and SVOCs by EPA SOW OLC03.2, and metals by EPA SOW ILM04.2. Soil vapor samples will be analyzed for VOCs by EPA methods TO-15. The soil sample was analyzed for VOCs by EPA method 8260, SVOCs by EPA method 8270, and metals by EPA method 6010B. A summary of the analytical program is provided in **Table 3-6**.

A NYSDEC ASP Category B data deliverable was provided for these analyses. The analytical data packages are provided in **Appendix D**.

All samples collected were validated in accordance with NYSDEC Data Usability Summary Report (DUSR) guidance by a party that is independent of the laboratory which performed the analyses and CDM. A usability analysis was conducted by Nancy Potak, a qualified data validator. The DUSR is provided in **Appendix E**.

3.3 Field Documentation

Field notebooks were utilized during all on-site work. A dedicated field notebook was maintained by the field technician overseeing the site activities. In addition to the notebook, all original sampling forms, and purge forms used during the field activities are provided in **Appendix F**. Field and sampling procedures, including installation of the sample boreholes, existing monitoring wells, etc., were photo-documented. Site photographs are provided in **Appendix A**.



Legend

- Monitoring Well
- Soil Vapor Sampling Location

N

0 100 200 400

Feet

CDM

Figure 3-1
Monitoring Well and Soil Vapor Sample Locations
Shames Drive Industrial Park
Westbury, Long Island, Nassau County, New York

Table 3-1: Soil and Groundwater Sample Summary
Shames Drive Westbury, New York

Sample I.D.	Sample Location	Sample Depth (feet bgs)	Date	Time	Notes
Soil Sample					
130173-MW-2-10_12	CDM-MW-2	10-12	4/24/2008	11:35	OVM reading of 72.1 ppm recorded during drilling
Groundwater Samples					
130173-MW-1-GW	CDM-MW-1	61.35	6/3/2008	10:15	MS/MSD
130173-MW-2-GW	CDM-MW-2	63.78	6/3/2008	14:00	
130173-MW-3-GW	CDM-MW-3	21.23	6/4/2008	9:00	
130173-MW-4-GW	CDM-MW-4	28.14	6/4/2008	7:45	
130173-MW-5-GW	CDM-MW-5	29.47	6/3/2008	15:05	
130173-MW-6-GW	CDM-MW-6	58.15	6/3/2008	12:25	
130173-MW66-GW	CDM-MW-6	58.15	6/3/2008	12:30	Duplicate at MW-6
130173-FB-6308	Field Blank	-	6/3/2008	-	
130173-FB-6408	Field Blank	-	6/4/2008	-	
130173-TB	Trip Blank	-	6/3/2008	-	

Table 3-2: Well Construction Summary
Shames Drive Westbury, New York

Well	Address	Depth (ft bgs)	Diameter (inches)	Screen Length (ft)	Screened Interval (ft bgs)	Northing	Easting	Top Casing Elev.	Top PVC Elev	Date Installed	Date Developed	DTW (ft bgs)*	GW Elev*
MW-1	1000 Shames Drive	71.5	4	15	56 -71	222413.90717	1106909.37187	143.23	142.91	4/23/2008	5/12/2008	61.35	81.56
MW-2	1200 Shames Drive	75.5	4	15	60-75	222459.48008	1107251.22998	145.75	145.36	4/25/08, 4/28/08	5/13/2008	63.78	81.58
MW-3	960 Brush Hollow Rd	32.5	4	15	17-32	221613.57784	1106471.81927	102.75	102.45	5/8/2008	5/12/2008	21.23	81.22
MW-4	960 Brush Hollow Rd	40.5	4	15	24-39	221506.32184	1106754.85719	109.45	109.09	5/7/2008	5/12/2008	28.14	80.95
MW-5	960 Brush Hollow Rd	41	4	15	25-40	221251.44894	1106737.78799	110.67	110.18	5/5/2008	5/12/2008	29.47	80.71
MW-6	1700 Shames Drive	70	4	15	54-69	221409.92617	1107282.52970	139.40	138.97	4/30/2008	5/12/2008	58.15	80.82

*Depth to water collected on June 3 or June 4, 2008

Table 3-3: Water Quality Parameters During Well Development
Shames Drive Westbury, New York

CDM-MW-1 DTW (ft below TOC): 61.27

Time	pH	Conductivity (mS/cm)	Turbidity (ntu)	Temperature (°C)
11:50	6.13	0.168	75	13.67
11:53	6.2	0.171	50.5	13.85
12:00	6.21	0.163	90	13.83
12:03	6.22	0.163	15.4	13.91
10:05	6.25	0.164	5.3	14.11

Total Purged: 220 gallons

CDM-MW-2 DTW (ft below TOC): 63.65

Time	pH	Conductivity (mS/cm)	Turbidity (ntu)	Temperature (°C)
13:21	5.8	0.24	>1000	15.52
13:30	5.92	0.238	414	15.6
13:35	6.06	0.235	242	15.7
13:40	6.12	0.243	103	15.6
13:45	6.21	0.242	10	15.59
13:48	6.28	0.248	5	15.55

Total Purged: 110 gallons

CDM-MW-3 DTW (ft below TOC): 21.34

Time	pH	Conductivity (mS/cm)	Turbidity (ntu)	Temperature (°C)
9:27	6.51	0.191	>1000	12.52
9:32	6.43	0.113	58	12.41
9:39	6.05	0.1	100	12.4
9:45	6.48	0.093	32	12.18

Total Purged: 385 gallons

CDM-MW-4 DTW (ft below TOC): 28.05

Time	pH	Conductivity (mS/cm)	Turbidity (ntu)	Temperature (°C)
10:16	6.6	0.125	>1000	12.55
10:20	6.65	0.11	53.6	12.59
10:23	6.59	0.102	12.4	12.52
10:25	6.55	0.098	5	12.65

Total Purged: 275 gallons

CDM-MW-5 DTW (ft below TOC): 29.32

Time	pH	Conductivity (mS/cm)	Turbidity (ntu)	Temperature (°C)
10:47	6.42	0.176	>1000	13.22
10:50	6.57	0.165	27.5	13.18
10:54	6.48	0.165	7.2	13.17
10:56	6.43	0.16	6.8	13.3

Total Purged: 275 gallons

CDM-MW-6 DTW (ft below TOC): 58.06

Time	pH	Conductivity (mS/cm)	Turbidity (ntu)	Temperature (°C)
14:05	6.68	0.179	>1000	14.25
14:07	6.67	0.178	953	14.79
14:10	6.6	0.169	29.3	14.19
14:15	6.5	0.164	10.6	14.14

Total Purged: 275 gallons

Table 3-4: Water Quality Parameters at Groundwater Sample Collection
Shames Drive Westbury, New York

Well I.D.	Volume Purged (gal)	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Turbidity (ntu)
CDM-MW-1	5	6	0.182	9.77	23.28	199	<50*
CDM-MW-2	5	4.74	0.245	9.94	22.42	285	27.6
CDM-MW-3	5	5.29	0.151	9.68	15.38	253	45.2
CDM-MW-4	6	5.53	0.148	10.25	17.28	203	14
CDM-MW-5	5	5.34	0.256	10.51	20.93	233	28.3
CDM-MW-6	5	5.28	0.203	9.93	23.29	198	20

Notes:

- Wells were pumped at a rate of 250 ml/min

* - turbidity meter malfunctioned after first reading (92 ntu), but water cleared up during pumping

Table 3-5: Soil Vapor Sample Summary
Shames Drive Westbury, New York

Sample I.D.	Sample Location	Sample Depth (feet)	Canister I.D.	Regulator I.D.	Date	Time Started	Initial Pressure (inches Hg)	Time Collected	Final Pressure (inches Hg)	Purge VOC Concentration (ppm)	Notes
130173-SV1-8	SV1	8'	0252	02869	4/23/2008	9:45	-25	11:45	0	0	
130173-SV1-55	SV1	55'	0261	00861	4/23/2008	10:00	-29	11:40	0	2.6	Purged for an hour and forty minutes
130173-SV2-8	SV2	8'	1385	02876	4/23/2008	10:05	-29	11:45	0	0.6	Purged for an hour and forty minutes
130173-SV2-55	SV2	55'	1371	00172	4/23/2008	10:07	-30	11:47	0	1.1	Purged for an hour and forty minutes
130173-SV3-8	SV3	8'	1363	00267	4/23/2008	10:17	-30	12:17	-2	0.8	
130173-AA	AA	NA	0186	00251	4/23/2008	10:22	-30	12:22	-2		Ambient Air
130173-SV3-55	SV3	55'	7638	02844	4/23/2008	10:25	-30	12:25	0	1.3	
130173-SV33-55	SV3	55'	7365	00194	4/23/2008	10:25	-30	12:25	-2	1.3	Duplicate of 130173-SV3-55
130173-SV4-8	SV4	8'	0714	00161	4/23/2008	10:35	-30	12:35	-4	0.8	
130173-SV4-55	SV4	55'	0271	00192	4/23/2008	12:00	-30	13:50	-1	1.1	Purged for an hour and fifty minutes
130173-SV5-8	SV5	8'	0668	00957	4/23/2008	10:45	-30	12:45	-4	1.5	
130173-SV5-55	SV5	55'	7642	00959	4/23/2008	10:55	-30	12:55	-2	1.3	

Acronyms:
Hg-Mercury
I.D.-identification
NA-not applicable
ppm-parts per million
SV-soil vapor

Table 3-6: Analytical Methods
Shames Drive Westbury, New York

Analytical Parameter	Sample Matrix	Analytical Method
GROUNDWATER SAMPLES		
Volatile Organic Compounds (VOCs)	Groundwater	OLC03.2
Semi-Volatile Organic Compounds (VOCs)	Groundwater	OLC03.2
Metals	Groundwater	ILM04.2
SOIL SAMPLES		
Volatile Organic Compounds (VOCs)	Soil	EPA 8260
Semi-Volatile Organic Compounds (VOCs)	Soil	EPA 8270
Metals	Soil	EPA 6010B
SOIL VAPOR SAMPLES		
Volatile Organic Compounds (VOCs)	Air	EPA TO-15

Section 4
Analytical Results

This section presents the analytical results for, the sub-surface soil sampling, sub-surface groundwater sampling and soil vapor sampling conducted as part of the site characterization investigation. The soil analytical results were compared to a site specific soil cleanup criteria derived by taking the most stringent of the NYSDEC Technical Administrative Guidance Morandum (TAGM) #4046 soil cleanup criteria and the NYCRR Part 375-6 restricted soil use criteria. The site specific criteria are provided in **Table 4-1**. The groundwater analytical results were compared to a site specific groundwater criteria derived by taking the most stringent of the National Primary Drinking Water Standards, New York State Standards and Guidance Values for Class GA Groundwater (NYSDEC TOGS 1.1.1), and the NYSDOH Drinking Water Quality Standards. The site specific criteria are presented in **Table 4-2**.

4.1 Summary of Soil Sampling Results

One sub-surface soil sample (130173-MW-2-10_12) was collected during the drilling of monitoring well CDM-MW-2 on April 24, 2008. The sample was collected from the 10 to 12 foot sample interval at this location. Analytical results for the sub-surface soil sample are presented on **Table 4-3**.

No VOCs or SVOCs were detected in the sample collected at CDM-MW-2. Most of the metals analyzed for were detected in the sample; however, none of the concentrations exceeded the site specific soil cleanup criteria.

4.3 Summary of Groundwater Sampling Results

A total of seven groundwater samples, including a duplicate, were collected from six monitoring wells to characterize the groundwater at the Site. The samples were collected on June 3 and 4, 2008. A rinsate blank sample was collected each day sampling was conducted, and a trip blank was included with the sample cooler. These samples are labeled with an "FB" and "TB" in accordance with the approved Work Plan. The duplicate sample was collected at CDM-MW-6. The analytical results for the rinsate blank and trip blank samples showed no detections, except an estimated concentration of 1.3 µg/L of phenol in the field blank collected on June 4, 2008. Analytical results for the groundwater investigation are presented in **Table 4-4** and on **Figure 4-1**.

The results of the groundwater sample analyses identified tetrachloroethene at a concentration of 13 ug/L in CDM-MW-2, located at 1200 Shames Drive, exceeding the site specific groundwater criteria of 5 µg/L. This well was positioned as an upgradient well to detect contamination at the water table entering the property from the northeast.

Tetrachloroethene and its degradation products, trichloroethene, and cis-1,2-dichloroethene were identified at concentrations exceeding the site specific groundwater criteria in well CDM-MW-6 and its duplicate. This well, located at 1700

Shames Drive, is situated upgradient of the Site. 1,1,1-trichloroethane, which was historically used at 1700 Shames Drive was identified at concentrations below the cleanup criteria in the groundwater sample.

Iron was identified at a concentration just above the site specific criteria in CDM-MW-4 located at 960 Brush Hollow Road. The groundwater analytical results are provided in **Table 4-4**.

4.4 Summary of Soil Vapor and Ambient Air Sampling Results

Eleven soil vapor samples, including one duplicate, were collected from five locations to determine if VOC contamination in groundwater in the subject area has resulted in the presence of soil vapor that may impact the quality of air in and around the child day care center at 1000 Shames Drive. Two vapor boreholes, one shallow and one deep, were co-located to collect the two vapor samples, approximately 8 feet below site grade and 2 feet above the water table interface, which was observed at approximately 60 feet bgs. An ambient air sample was also collected (labeled "AA") in accordance with the approved Work Plan.

Analytical results for the soil vapor investigation are presented in **Table 4-5** and **Figure 4-2**. The 2006 NYSDOH Vapor Intrusion guidance indicates that the State of New York does not have any standards, criteria or guidance values for subsurface vapors. VOCs were detected in all of the soil vapor samples collected at the Site, including the ambient air sample. Tetrachloroethene (PCE) was identified at all of the soil vapor points, with the highest concentrations observed at location SV-1. Trichloroethene was also observed at SV-1. TCE was not observed in the ambient air sample.



130173-MW-1-GW
MW-1
G0846-02A
6/3/2008

Tetrachloroethene	2.8
Potassium	6550
Sodium	13000
Mercury	0.098 J
Aluminum	32.1 J
Barium	45 J
Calcium	15700
Chromium	13.6
Cobalt	0.39 J
Copper	5.6 J
Iron	79.4 J
Lead	3.4
Magnesium	5210
Manganese	18.3
Nickel	10.2 J
Silver	2.2 J
Zinc	30 J

130173-MW-2-GW
MW-2
G0846-06C
6/3/2008

Tetrachloroethene	**13**
Potassium	1680 J
Sodium	10300
Mercury	0.1 J
Aluminum	37.4 J
Barium	75.7 J
Calcium	24100
Chromium	10.3
Cobalt	0.36 J
Copper	4.1 J
Iron	90.3 J
Lead	1.5 J
Magnesium	6520
Manganese	15.1
Nickel	8.7 J
Zinc	22.3 J

130173-MW-3-GW
MW-3
G0859-03A
6/4/2008

Potassium	1520 J
Sodium	14700
Mercury	0.094 J
Aluminum	38.1 J
Arsenic	2.5 J
Barium	34 J
Calcium	13100
Chromium	7 J
Cobalt	0.28 J
Copper	3 J
Iron	130
Magnesium	2840 J
Manganese	6.8 J
Nickel	5.3 J
Silver	2.2 J
Cadmium	0.19 J

130173-MW-4-GW
MW-4
G0859-01A
6/4/2008

Potassium	1830 J
Sodium	11900
Mercury	0.098 J
Aluminum	130 J
Barium	44 J
Calcium	13400
Chromium	16.6
Cobalt	0.73 J
Copper	5.2 J
Iron	363
Magnesium	3450 J
Manganese	29.9
Nickel	11.8 J
Silver	3.5 J
Vanadium	0.78 J

130173-MW-5-GW
MW-5
G0846-07A
6/3/2008

Potassium	3670 J
Sodium	27500
Mercury	0.1 J
Aluminum	39.1 J
Barium	51 J
Calcium	18700
Chromium	11.5
Cobalt	0.7 J
Copper	1.9 J
Iron	122 J
Magnesium	2660 J
Manganese	20.1
Nickel	9.3 J
Cadmium	1.4 J
Zinc	15.8 J

130173-MW-6-GW
MW-6
G0846-04A
6/3/2008

1,1,1-Trichloroethane	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	0.59
1,1-Dichloroethane	0.33 J
1,1-Dichloroethene	0.92
cis-1,2-Dichloroethene	**10**
Methyl tert-butyl ether	0.4 J
Tetrachloroethene	**21** D
Trichloroethene	**7.8**
Potassium	2900 J
Sodium	16700
Mercury	0.098 J
Aluminum	78.1 J
Barium	72.2 J
Calcium	13500
Chromium	16.7
Cobalt	0.55 J
Copper	3.4 J
Iron	179 J
Magnesium	4060 J
Manganese	18.4
Nickel	14 J
Silver	0.76 J
Vanadium	0.62 J
Zinc	21.3 J

Legend

- Monitoring Well
- Soil Vapor Sampling Location

Note:
All units in µg/L.

10 - value exceeds Site Specific Groundwater Criteria.

N

0 125 250 500
Feet

CDM

Figure 4-1
Groundwater Sampling Results
Shames Drive Industrial Park
Westbury, Long Island, Nassau County, New York

Contaminant	130173-SV1-8 SV-1 SA77688-01 4/23/2008	130173-SV1-55 SV-1 SA77688-02 4/23/2008
Acetone	765.92	685.08
Ethanol	77.15	98.99
Methylene chloride	7.22	10.59
Carbon disulfide	4.61	ND
Isopropyl alcohol	22.58	13.99
2-Butanone (MEK)	333.46	719.23
Hexane	31.31	31.55
Benzene	10.34	11.17
Cyclohexane	29.46	19.96
Trichloroethene	17.20	94.32
n-Heptane	163.60	104.71
Toluene	394.94	259.44
2-Hexanone (MBK)	56.72	98.36
Tetrachloroethene	720.43	2699.59
Ethylbenzene	19.25	17.34
m,p-Xylene	53.76	55.28
Styrene	6.13	ND
o-Xylene	16.99	16.04
1,3,5-Trimethylbenzene	6.49	ND
1,2,4-Trimethylbenzene	19.07	13.03
Tetrahydrofuran	ND	5.01
1,1,1-Trichloroethane	ND	18.82

Contaminant	130173-SV2-8 SV-2 SA77688-03 4/23/2008	130173-SV2-55 SV-2 SA77688-04 4/23/2008
Propene	100.79	131.56
Acetone	391.23	516.13
Ethanol	93.14	111.7
2-Butanone (MEK)	803.16	922.41
Hexane	9.03	ND
n-Heptane	7.54	12.62
Toluene	33.11	46.66
2-Hexanone (MBK)	154.58	145.24
Tetrachloroethene	59.4	144.57
Ethylbenzene	11.62	10.23
m,p-Xylene	53.24	39.54
o-Xylene	14.22	9.88
1,3,5-Trimethylbenzene	7.67	ND
1,2,4-Trimethylbenzene	20.84	ND
Tetrahydrofuran	ND	6.72
Benzene	ND	6.64
Bromodichloromethane	ND	10.45

Contaminant	130173-SV3-8 SV-3 SA77688-05 4/23/2008	130173-SV3-55 SV-3 SA77688-07 4/23/2008
Propene	138.12	108.94
Acetone	456.48	149.71
Ethanol	109.17	70.42
2-Butanone (MEK)	842.2	603.49
Hexane	9.87	ND
1,1,1-Trichloroethane	25.64	17.46
n-Heptane	6.97	8.61
Toluene	36.88	36.88
2-Hexanone (MBK)	157.16	102.04
Tetrachloroethene	233.95	195.3
Ethylbenzene	12.14	9.97
m,p-Xylene	54.41	40.75
o-Xylene	14.96	10.4
1,3,5-Trimethylbenzene	7.87	ND
1,2,4-Trimethylbenzene	21.88	11.8
Benzene	ND	5.1

Contaminant	130173-SV4-8 SV-4 SA77688-09 4/23/2008	130173-SV4-55 SV-4 SA77688-10 4/23/2008
Propene	88.94	126.58
Acetone	238.01	468.36
Ethanol	62.52	81.08
Isopropyl alcohol	11.58	5.89
2-Butanone (MEK)	472.17	615.58
Benzene	4.59	7.98
n-Heptane	8.69	42.83
Toluene	29.35	119.66
2-Hexanone (MBK)	98.03	115.98
Tetrachloroethene	17.9	31.53
Ethylbenzene	8.15	12.14
m,p-Xylene	31.91	44.65
o-Xylene	7.63	11.71
1,2,4-Trimethylbenzene	ND	12.54
Tetrahydrofuran	ND	5.31
Cyclohexane	ND	7.57

Contaminant	130173-SV5-8 SV-5 SA77688-11 4/23/2008	130173-SV5-55 SV-5 SA77688-12 4/23/2008
Propene	143.45	94.49
Acetone	478.11	303.33
Ethanol	138.87	67.97
Isopropyl alcohol	4.05	ND
2-Butanone (MEK)	1137.53	639.17
n-Heptane	6.97	10.45
Toluene	41.01	43.84
2-Hexanone (MBK)	228.27	114.54
Tetrachloroethene	24.41	28.82
Ethylbenzene	13.66	9.97
m,p-Xylene	61.35	38.37
o-Xylene	16.69	9.54
1,3,5-Trimethylbenzene	8.6	ND
1,2,4-Trimethylbenzene	24.33	ND
Trichlorotrifluoroethane (Freon 113)	ND	57.1
Hexane	ND	16.39
Tetrahydrofuran	ND	7.22
Benzene	ND	7.18
Bromodichloromethane	ND	10.38

Brush Hollow Road
Montrose Road
Shames Drive
Northern State Parkway
SV-1
SV-2
SV-3
SV-4
SV-5
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6

Legend

- Monitoring Well
- Soil Vapor Sampling Location

Note:
All results in µg/m3.

N

0 125 250 500
Feet

CDM

Figure 4-2
Soil Vapor Sampling Results
Shames Drive Industrial Park
Westbury, Long Island, Nassau County, New York

Table 4-1
Site Specific Soil Cleanup Criteria
Shames Drive Industrial Park
Westbury, NY

Parameter	Unit	6 NYCRR Part 375-6 Unrestricted Use Criteria (3)	TAGM #4046 Criteria (1) Recommended Soil Cleanup Objective (2)	Site-Specific Soil Delineation Criteria (SSSDC)
Volatile Organic Compounds (VOCs)				
1,1,1,2-Tetrachloroethane	µg/kg		600	600
1,1,1-Trichloroethane	µg/kg	680	800	680
1,1,2,2-Tetrachloroethane	µg/kg	-	600	600
1,1,2-Trichloroethane	µg/kg	-	None Established	None Established
1,1-Dichloroethane	µg/kg	270	200	200
1,1-Dichloroethene	µg/kg	330	400	330
1,1-Dichloropropene	µg/kg	-	None Established	None Established
1,2,3-Trichlorobenzene	µg/kg	-	None Established	None Established
1,2,3-Trichloropropane	µg/kg	-	400	400
1,2,4-Trichlorobenzene	µg/kg	-	3,400	3, 400
1,2,4-Trimethylbenzene	µg/kg	-	None Established	None Established
1,2-Dibromo-3-chloropropane	µg/kg	-	None Established	None Established
1,2-Dibromoethane	µg/kg	-	None Established	None Established
1,2-Dichlorobenzene	µg/kg	1,100	7,900	1,100
1,2-Dichloroethane	µg/kg	20	100	20
1,2-Dichloropropane	µg/kg	-	None Established	None Established
1,3,5-Trimethylbenzene	µg/kg	-	None Established	None Established
1,3-Dichlorobenzene	µg/kg	2,400	1,600	1,600
1,3-Dichloropropane	µg/kg	-	300	300
1,4-Dichlorobenzene	µg/kg	1,800	8,500	1,800
2,2-Dichloropropane	µg/kg	-	None Established	None Established
2-Butanone (MEK)	µg/kg	120	300	120
2-Chlorotoluene	µg/kg	-	None Established	None Established
2-Hexanone	µg/kg	-	None Established	None Established
4-Chlorotoluene	µg/kg	-	None Established	None Established
4-Isopropyltoluene	µg/kg	-	None Established	None Established
4-Methyl-2-pentanone	µg/kg	-	1,000	1,000
Acetone	µg/kg	50	200	50
Benzene	µg/kg	60	60	60
Bromobenzene	µg/kg	-	None Established	None Established
Bromochloromethane	µg/kg	-	None Established	None Established
Bromodichloromethane	µg/kg	-	None Established	None Established
Bromoform	µg/kg	-	None Established	None Established
Bromomethane	µg/kg	-	None Established	None Established
Carbon Disulfide	µg/kg	-	2,700	2,700
Carbon tetrachloride	µg/kg	760	600	600
Chlorobenzene	µg/kg	1,100	1,700	1,100
Chloroethane	µg/kg	-	1,900	1,900
Chloroform	µg/kg	370	300	300
Chloromethane	µg/kg	-	None Established	None Established
cis-1,2-Dichloroethene	µg/kg	250	None Established	250
cis-1,3-Dichloropropene	µg/kg	-	None Established	None Established
Dibromochloromethane	µg/kg	-	None Established	None Established
Dibromoethane	µg/kg	-	None Established	None Established
Dichlorodifluoromethane	µg/kg	-	None Established	None Established
Ethylbenzene	µg/kg	1,000	5,500	1,000
Hexachlorobutadiene	µg/kg	330	None Established	330
Iodomethane	µg/kg	-	None Established	None Established
Isopropylbenzene	µg/kg	-	None Established	None Established
m&p-Xylene	µg/kg	-	1,200	1,200
Methyl t-butyl ether (MTBE)	µg/kg	930	None Established	930
Methylene chloride	µg/kg	50	100	50
Naphthalene	µg/kg	-	13,000	13,000
n-Butylbenzene	µg/kg	12,000	None Established	12,000
n-Propylbenzene	µg/kg	3,900	None Established	3,900
o-Xylene	µg/kg	-	1,200	1,200
sec-Butylbenzene	µg/kg	11,000	None Established	11,000
Styrene	µg/kg	-	None Established	None Established
tert-Butylbenzene	µg/kg	5,900	None Established	5,900
Tetrachloroethene	µg/kg	1,300	1,400	1,300
Toluene	µg/kg	700	1,500	700
trans-1,2-Dichloroethene	µg/kg	190	None Established	190
trans-1,3-Dichloropropene	µg/kg	-	None Established	None Established
Trichloroethene	µg/kg	470	700	470
Trichlorofluoromethane	µg/kg	-		None Established
Vinyl acetate	µg/kg			
Vinyl chloride	µg/kg	20	200	20
Xylenes (Total)	µg/kg	260	1,200	260

Notes:
(1) Recommended Soil Cleanup Objectives are specified in the New York Department of Environmental Conservation's, "Technical and Administrative Gruidance Memorandum #4046" or TAGM.
(2) In addition to the Soil Cleanup Objectives specified under TAGM #4046, the standard of Total VOCs of less than or equal to 10,000 ug/kg also applies.
(3) The criteria listed for unrestricted soil use obtained from NYCRR Part 375-6 became effective December 14, 2006 and supercedes TAGM #4046 values.
Acronyms:
µg/kg - micrograms per kilogram

Table 4-1
Site Specific Soil Cleanup Criteria
Shames Drive Industrial Park
Westbury, NY

Parameter	Unit	6 NYCRR Part 375-6 Unrestricted Use Criteria (3)	TAGM #4046 Criteria (1) Recommended Soil Cleanup Objective (2)	Site-Specific Soil Delineation Criteria (SSSDC)
Semi-Volatile Organic Compounds (SVOCs)				
1,2,4-Trichlorobenzene	µg/kg	-	None Established	None Established
1,2-Dichlorobenzene	µg/kg	1,100	None Established	1100
1,3-Dichlorobenzene	µg/kg	2,400	None Established	2400
1,4-Dichlorobenzene	µg/kg	1,800	None Established	1800
2,2'-oxybis(1-Chloropropane)	µg/kg	-	None Established	None Established
2,4,5-Trichlorophenol	µg/kg	-	100	100
2,4,6-Trichlorophenol	µg/kg	-	None Established	None Established
2,4-Dichlorophenol	µg/kg	-	400	400
2,4-Dimethylphenol	µg/kg	-	None Established	None Established
2,4-Dinitrophenol	µg/kg	-	200 or MDL	200 or MDL
2,4-Dinitrotoluene	µg/kg	-	None Established	None Established
2,6-Dinitrotoluene	µg/kg	-	1,000	1,000
2-Chloronaphthalene	µg/kg	-	None Established	None Established
2-Chlorophenol	µg/kg	-	800	800
2-Methylnaphthalene	µg/kg	-	36,400	36,400
2-Methylphenol	µg/kg	-	100 or MDL	100 or MDL
2-Nitroaniline	µg/kg	-	430 or MDL	430 or MDL
2-Nitrophenol	µg/kg	-	330 or MDL	330 or MDL
3,3'-Dichlorobenzidine	µg/kg	-	None Established	None Established
3-Nitroaniline	µg/kg	-	500 or MDL	500 or MDL
4,6-Dinitro-2-methylphenol	µg/kg	-	None Established	None Established
4-Bromophenyl-phenylether	µg/kg	-	None Established	None Established
4-Chloro-3-methylphenol	µg/kg	-	240 or MDL	240 or MDL
4-Chloroaniline	µg/kg	-	220 or MDL	220 or MDL
4-Chlorophenyl-phenylether	µg/kg	-	None Established	None Established
4-Methylphenol	µg/kg	-	900	900
4-Nitroaniline	µg/kg	-	None Established	None Established
4-Nitrophenol	µg/kg	-	100 or MDL	101 or MDL
Acenaphthene	µg/kg	20,000	50,000	20000
Acenaphthylene	µg/kg	100,000	41,000	41,000
Anthracene	µg/kg	100,000	50,000	50,000
Benzo(a)anthracene	µg/kg	1,000	224 or MDL	224 or MDL
Benzo(a)pyrene	µg/kg	1,000	61 or MDL	61 or MDL
Benzo(b)fluoranthene	µg/kg	1,000	1,100	1,000
Benzo(g,h,i)perylene	µg/kg	100,000	50,000	50,000
Benzo(k)fluoranthene	µg/kg	800	1,100	800
Bis(2-chloroethoxy)methane	µg/kg	-	None Established	None Established
Bis(2-chloroethyl)ether	µg/kg	-	None Established	None Established
Bis(2-ethylhexyl)phthalate	µg/kg	-	50,000	50,000
Butylbenzylphthalate	µg/kg	-	50,000	50,000
Carbazole	µg/kg	-	None Established	None Established
Chrysene	µg/kg	1,000	400	400
Dibenzo(a,h)anthracene	µg/kg	330	14 or MDL	15 or MDL
Dibenzofuran	µg/kg	-	6,200	6,200
Diethylphthalate	µg/kg	-	7,100	7,100
Dimethylphthalate	µg/kg	-	2,000	2,000
Di-n-butylphthalate	µg/kg	-	8,100	8,100
Di-n-octylphthalate	µg/kg	-	50,000	50,000
Fluoranthene	µg/kg	100,000	50,000	50,000
Fluorene	µg/kg	30,000	50,000	30,000
Hexachlorobenzene	µg/kg	330	410	330
Hexachlorobutadiene	µg/kg	-	None Established	None Established
Hexachlorocyclopentadiene	µg/kg	-	None Established	None Established
Hexachloroethane	µg/kg	-	None Established	None Established
Indeno(1,2,3-cd)pyrene	µg/kg	500	3,200	500
Isophorone	µg/kg	-	4,400	4,400
Naphthalene	µg/kg	12,000	13,000	12000
Nitrobenzene	µg/kg	-	200 or MDL	200 or MDL
N-Nitroso-di-n-propylamine	µg/kg	-	None Established	None Established
N-Nitrosodiphenylamine	µg/kg	-	None Established	None Established
Pentachlorophenol	µg/kg	800	1,000 or MDL	800
Phenanthrene	µg/kg	100,000	50,000	50,000
Phenol	µg/kg	330	30 or MDL	30 or MDL
Pyrene	µg/kg	100,000	50,000	50,000

Notes:
(1) Recommended Soil Cleanup Objectives are specified in the New York Department of Environmental Conservation's, "Technical and Administrative Gruidance Memorandum #4046" or TAGM.
(2) In addition to the Soil Cleanup Objectives specified under TAGM #4046, the standard of Total VOCs of less than or equal to 10,000 ug/kg also applies.
(3) The criteria listed for unrestricted soil use obtained from NYCRR Part 375-6 became effective December 14, 2006 and supercedes TAGM #4046 values.
Acronyms:
µg/kg - micrograms per kilogram

Table 4-1
Site Specific Soil Cleanup Criteria
Shames Drive Industrial Park
Westbury, NY

Parameter	Unit	6 NYCRR Part 375-6 Unrestricted Use Criteria (3)	TAGM #4046 Criteria (1) Recommended Soil Cleanup Objective (2)	Site-Specific Soil Delineation Criteria (SSSDC)
Metals				
Aluminum	µg/kg	-	SB	SB
Antimony	µg/kg		SB	SB
Arsenic	µg/kg	13,000	7,500or SB	7,500or SB
Barium	µg/kg	350,000	300,000 or SB	300,000 or SB
Beryllium	µg/kg	7,200	SB	7,200
Cadmium	µg/kg	2,500	1,000 or SB	1,000 or SB
Calcium	µg/kg	-	SB	SB
Chromium	µg/kg	1,000	10,000 or SB	1,000
Cobalt	µg/kg	-	30,000 or SB	30,000 or SB
Copper	µg/kg	50,000	25,000 or SB	25,000 or SB
Iron	µg/kg	-	2,000,000 or SB	2,000,000 or SB
Lead	µg/kg	63,000	SB	63,000
Magnesium	µg/kg	-	SB	SB
Manganese	µg/kg	1,600,000	SB	1,600,000
Mercury	µg/kg	180	100	100
Nickel	µg/kg	30,000	13,000 or SB	13,000 or SB
Potassium	µg/kg	-	SB	SB
Selenium	µg/kg	3,900	2,000 or SB	2,000 or SB
Silver	µg/kg	2,000	SB	2,000
Sodium	µg/kg	-	SB	SB
Thallium	µg/kg	-	SB	SB
Vanadium	µg/kg	-	150,000 or SB	150,000 or SB
Zinc	µg/kg	109,000	20,000 or SB	20,000 or SB

Notes:
(1) Recommended Soil Cleanup Objectives are specified in the New York Department of Environmental Conservation's, "Technical and Administrative Gruidance Memorandum #4046" or TAGM.
(2) In addition to the Soil Cleanup Objectives specified under TAGM #4046, the standard of Total VOCs of less than or equal to 10,000 ug/kg also applies.
(3) The criteria listed for unrestricted soil use obtained from NYCRR Part 375-6 became effective December 14, 2006 and supercedes TAGM #4046 values.
Acronyms:
µg/kg - micrograms per kilogram
SB - Site Background

Table 4-2
Site Specific Groundwater Criteria
Shames Drive Industrial Park
Westbury, NY

Chemical Name	CAS No.	National Primary Drinking Water Standards (1)		New York State Standards (S) and Guidance (G) Values for Class GA Groundwater (2)			NYSDOH Drinking Water Quality Standards (3,4)			Site-Specific Groundwater Delineation Criteria (SSGWDC)	Unit
		Value	Note	Value	Note	G/S	Value	Note	G/S	Value	
Volatile Organics											
1,1,1-Trichloroethane	71-55-6	200		5	PC	S	5	POC	S	5	µg/L
1,1,2,2-Tetrachloroethane	79-34-5	NL		5		S	5	POC	S	5	µg/L
1,1,2,2-Tetrachloroethane	630-20-6	NL		5	PC	S	5	POC	S	5	µg/L
1,1,2-Trichloroethane	79-00-5	5		1		S	5	POC	S	1	µg/L
1,1-Dichloroethane	75-34-3	NL		5	PC	S	5	POC	S	5	µg/L
1,1-Dichloroethene	75-35-4	7		5	PC	S	5	POC	S	5	µg/L
1,1-Dichloropropene	563-58-6	NL		5	PC	S	5	POC	S	5	µg/L
1,2,3-Trichlorobenzene	87-61-6	NL		5	PC	S	5	POC	S	5	µg/L
1,2,3-Trichloropropane	96-18-4	NL		0.04		S	5	POC	S	0.04	µg/L
1,2,4-Trichlorobenzene	120-82-1	70		5	PC	S	5	POC	S	5	µg/L
1,2,4-Trimethylbenzene	95-63-6	NL		5	PC	S	5	POC	S	5	µg/L
1,2-Dibromo-3-chloropropane	96-12-8	0.2		0.04		S	0.2		S	0.04	µg/L
1,2-Dibromoethane (or ethylene dibromide)	106-93-4	0.05		0.0006		S	0.05		S	0.0006	µg/L
1,2-Dichlorobenzene	95-50-1	600		3		S	5	POC	S	3	µg/L
1,2-Dichloroethane	107-06-2	5		0.6		S	5	POC	S	0.6	µg/L
1,2-Dichloropropane	78-87-5	5		1		S	5	POC	S	1	µg/L
1,3,5-Trimethylbenzene	108-67-8	NL		5	PC	S	5	POC	S	5	µg/L
1,3-Dichlorobenzene	541-73-1	NL		3		S	5	POC	S	3	µg/L
1,3-Dichloropropane	142-28-9	NL		5	PC	S	5	POC	S	5	µg/L
1,4-Dichlorobenzene	106-46-7	75		3		S	5	POC	S	3	µg/L
2,2-Dichloropropane	594-20-7	NL		5	PC	S	5	POC	S	5	µg/L
2-Butanone (Methyl Ethyl Ketone)	78-93-3	NL		50		G	50	UOC	S	50	µg/L
2-Chlorotoluene	95-49-8	NL		5	PC	S	5	POC	S	5	µg/L
2-Hexanone	591-78-6	NL		50		G	50	UOC	S	50	µg/L
4-Chlorotoluene	106-43-4	NL		5	PC	S	5	POC	S	5	µg/L
4-Isopropyltoluene	99-87-6	NL		5	PC	S	5	POC	S	5	µg/L
4-Methyl-2-pentanone	108-10-1	NL		NL			50	UOC	S	50	µg/L
Acetone	67-64-1	NL		50		G	50	UOC	S	50	µg/L
Benzene	71-43-2	5		1		S	5	POC	S	1	µg/L
Bromobenzene	108-86-1	NL		5	PC	S	5	POC	S	5	µg/L
Bromochloromethane	74-97-5	NL		5	PC	S	5	POC	S	5	µg/L
Bromodichloromethane (TTHMs)	75-27-4	80	T	50		G	80	T	S	50	µg/L
Bromoform (TTHMs)	75-25-2	80	T	50		G	80	T	S	50	µg/L
Bromomethane	74-83-9	NL		5	PC	S	5	POC	S	5	µg/L
Carbon Disulfide	75-15-0	NL		60		G	50	UOC	S	50	µg/L
Carbon Tetrachloride	56-23-5	5		5		S	5	POC	S	5	µg/L
Chlorobenzene	108-90-7	100		5	PC	S	5	POC	S	5	µg/L
Chloroethane	75-00-3	NL		5	PC	S	5	POC	S	5	µg/L
Chloroform (TTHMs)	67-66-3	80	T	7		S	80	T	S	7	µg/L
Chloromethane	74-87-3	NL		5	PC	S	5	POC	S	5	µg/L
cis-1,2-Dichloroethene	156-59-2	70		5	PC	S	5	POC	S	5	µg/L
cis-1,3-Dichloropropene	10061-01-5	NL		0.4	J	S	5	POC	S	0.4	µg/L
Dibromochloromethane (TTHMs)	124-48-1	80	T	50		G	80	T	S	50	µg/L
Dibromomethane [methylene bromide]	74-95-3	NL		5	PC	S	5	POC	S	5	µg/L
Dichlorodifluoromethane	75-71-8	NL		5	PC	S	5	POC	S	5	µg/L
Ethylbenzene	100-41-4	700		5	PC	S	5	POC	S	5	µg/L
Hexachlorobutadiene	87-68-3	NL		0.5		S	5	POC	S	0.5	µg/L
Iodomethane	74-88-4	NL		5	PC	S	50	UOC	S	5	µg/L
Isopropylbenzene	98-82-8	NL		5	PC	S	5	POC	S	5	µg/L
m,p-Xylene	1330-20-7	NL		5	PC	S	5	POC	S	5	µg/L
Methyl Tert-Butyl Ether (MTBE)	1634-04-4	NL		10		G	10		S	10	µg/L
Methylene Chloride (dichloromethane)	75-09-2	5		5	PC	S	5	POC	S	5	µg/L
Naphthalene	91-20-3	NL		NL			50	UOC	S	50	µg/L
n-Butylbenzene	104-51-8	NL		5	PC	S	5	POC	S	5	µg/L
n-Propylbenzene	103-65-1	NL		5	PC	S	5	POC	S	5	µg/L
o-Xylene	95-47-6	NL		5	PC	S	5	POC	S	5	µg/L
sec-Butylbenzene	135-98-8	NL		5	PC	S	5	POC	S	5	µg/L
Styrene	100-42-5	100		5	PC	S	5	POC	S	5	µg/L
tert-Butylbenzene	98-06-6	NL		5	PC	S	5	POC	S	5	µg/L
Tetrachloroethene	127-18-4	5		5	PC	S	5	POC	S	5	µg/L
Toluene	108-88-3	1,000		5	PC	S	5	POC	S	5	µg/L
trans-1,2-Dichloroethene	156-60-5	100		5	PC	S	5	POC	S	5	µg/L
trans-1,3-Dichloropropene	10061-02-6	NL		0.4	J	S	5	POC	S	0.4	µg/L
Trichloroethene	79-01-6	5		5	PC	S	5	POC	S	5	µg/L
Trichlorofluoromethane	75-69-4	NL		5	PC	S	5	POC	S	5	µg/L
Vinyl acetate	108-05-4	NL		NL			50	UOC	S	50	µg/L
Vinyl Chloride	75-01-4	2		2		S	2		S	2	µg/L
Xylenes (total)	1330-20-7	10,000		5	PC	S	5	POC	S	5	µg/L

Notes:
(1) EPA National Primary Drinking Water Standards (web page http://www.epa.gov/safewater/contaminants/index.html), last updated November 28, 2006.
(2) NYSDEC. June 1998. TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Includes April 2000 and June 2004 Addendum values. (http://www.dec.ny.gov/regulations/2652.html)
(3) New York State Department of Health Drinking Water Standards, NYCRR Title 10, Part 5, Subpart 5-1 Public Water Systems,
(4) Effective November 23, 2005 (Statutory authority: Public Health Law 225, Effective May 26, 2004). (http://www.health.state.ny.us/environmental/water/drinking/part5/subpart5.htm)
The maximum contaminant level determination for the sum of principal organic contaminants (POC) and unspecified organic contaminants (UOC) is 100 ug/L.

J - Applies to the sum of cis-1,3-Dichloropropane and trans-1,3-Dichloropropane
PC - Principal Organic Contaminant
POC- Principal Organic Contaminant (total of POC and UOC contaminants can not exceed 100 ug/L)
UOC - Unspecificed Organic Contaminant (total of POC and UOC contaminants can not exceed 100 ug/L)
T -Value applies to total trihalomethanes (bromodichloromethane, bromoform, chloroform, dibrimochloromethane)
G - Guidance Value
S - Standard Value
NL -Chemical name not listed or screening value of this type not listed for the chemical
T - Total trihalomethanes
µg/L - Microgram per liter

Table 4-2
Site Specific Groundwater Criteria
Shames Drive Industrial Park
Westbury, NY

Chemical Name	CAS No.	National Primary Drinking Water Standards (1)		New York State Standards (S) and Guidance (G) Values for Class GA Groundwater (2)			NYSDOH Drinking Water Quality Standards (3,4)			Site-Specific Groundwater Delineation Criteria (SSGWDC)	Unit
		Value	Note	Value	Note	G/S	Value	Note	G/S	Value	
1,2,4-Trichlorobenzene	120-82-1	70		5	PC	S	5	POC	S	5	µg/L
1,2-Dichlorobenzene	95-50-1	NL		3	PC	S	5	POC	S	3	µg/L
1,3-Dichlorobenzene	541-73-1	NL		3	PC	S	5	POC	S	3	µg/L
1,4-Dichlorobenzene	106-46-7	NL		3	PC	S	5	POC	S	3	µg/L
2,2'-oxybis(1-Chloropropane)	108-60-1	NL		5	PC	S	50	UOC	S	5	µg/L
2,4,5-Trichlorophenol	95-95-4	50		NL			50	UOC	S	50	µg/L
2,4,6-Trichlorophenol	88-06-2	NL		NL			50	UOC	S	50	µg/L
2,4-Dichlorophenol	120-83-2	NL		5	PC	S	50	UOC	S	5	µg/L
2,4-Dimethylphenol	105-67-9	NL		50		G	50	UOC	S	50	µg/L
2,4-Dinitrophenol	51-28-5	NL		10		G	50	UOC	S	10	µg/L
2,4-Dinitrotoluene	121-14-2	NL		5	PC	S	50	UOC	S	5	µg/L
2,6-Dinitrotoluene	606-20-2	NL		5	PC	S	50	UOC	S	5	µg/L
2-Chloronaphthalene	91-58-7	NL		NL			50	UOC	S	50	µg/L
2-Chlorophenol	95-57-8	NL		NL			50	UOC	S	50	µg/L
2-Methylnaphthalene	91-57-6	NL		NL			50	UOC	S	50	µg/L
2-Methylphenol	95-48-7	NL		NL			50	UOC	S	50	µg/L
2-Nitroaniline	88-74-4	NL		5	PC	S	50	UOC	S	5	µg/L
2-Nitrophenol	88-75-5	NL		NL			50	UOC	S	50	µg/L
3,3'-Dichlorobenzidine	91-94-1	NL		5	PC	S	50	UOC	S	5	µg/L
3-Nitroaniline	99-09-2	NL		5	PC	S	50	UOC	S	5	µg/L
4,6-Dinitro-2-methylphenol	534-52-1	NL		NL			50	UOC	S	50	µg/L
4-Bromophenyl-phenylether	101-55-3	NL		NL			50	UOC	S	50	µg/L
4-Chloro-3-methylphenol	59-50-7	NL		NL			50	UOC	S	50	µg/L
4-Chloroaniline	106-47-8	NL		5	PC	S	50	UOC	S	5	µg/L
4-Chlorophenyl-phenylether	7005-72-3	NL		NL			50	UOC	S	50	µg/L
4-Methylphenol	106-44-5	NL		NL			50	UOC	S	50	µg/L
4-Nitroaniline	100-01-6	NL		5	PC	S	50	UOC	S	5	µg/L
4-Nitrophenol	100-02-7	NL		NL			50	UOC	S	50	µg/L
Acenaphthene	83-32-9	NL		NL			50	UOC	S	50	µg/L
Acenaphthylene	208-96-8	NL		NL			50	UOC	S	50	µg/L
Anthracene	120-12-7	NL		50		G	50	UOC	S	50	µg/L
Benzo(a)anthracene	56-55-3	NL		0.002		G	50	UOC	S	0.002	µg/L
Benzo(a)pyrene	50-32-8	NL		NL			0.2		S	0.2	µg/L
Benzo(b)fluoranthene	205-99-2	NL		0.002		G	50	UOC	S	0.002	µg/L
Benzo(g,h,i)perylene	191-24-2	NL		NL			50	UOC	S	50	µg/L
Benzo(k)fluoranthene	207-08-9	NL		0.002		G	50	UOC	S	0.002	µg/L
Bis(2-chloroethoxy)methane	111-91-1	NL		5	PC	S	50	UOC	S	5	µg/L
Bis(2-chloroethyl)ether	111-44-4	NL		1		S	50	UOC	S	1	µg/L
Bis(2-ethylhexyl)phthalate	117-81-7	NL		5		S	50	UOC	S	5	µg/L
Butylbenzylphthalate	85-68-7	NL		50		G	50	UOC	S	50	µg/L
Carbazole		NL		NL			50	UOC	S	50	µg/L
Chrysene	218-01-9	NL		0.002		G	50	UOC	S	0.002	µg/L
Dibenzo(a,h)anthracene	53-70-3	NL					50	UOC	S	50	µg/L
Dibenzofuran	132-64-9	NL		NL			50	UOC	S	50	µg/L
Diethylphthalate	84-66-2	NL		50		G	50	UOC	S	50	µg/L
Dimethylphthalate	131-11-3	NL		50		G	50	UOC	S	50	µg/L
Di-n-butylphthalate	84-74-2	NL		50		S	50	UOC	S	50	µg/L
Di-n-octylphthalate	117-84-0	NL		50		G	50	UOC	S	50	µg/L
Fluoranthene	206-44-0	NL		50		G	50	UOC	S	50	µg/L
Fluorene	86-73-7	NL		50		G	50	UOC	S	50	µg/L
Hexachlorobenzene	118-74-1	NL		0.04		S	1		S	0.04	µg/L
Hexachlorobutadiene	87-68-3	NL		0.5		S	50	UOC	S	0.5	µg/L
Hexachlorocyclopentadiene	77-47-4	NL		5	PC	S	50	UOC	S	5	µg/L
Hexachloroethane	67-72-1	NL		5	PC	S	50	UOC	S	5	µg/L
Indeno(1,2,3-cd)pyrene	193-39-5	NL		0.002		G	50	UOC	S	0.002	µg/L
Isophorone	78-59-1	NL		50		G	50	UOC	S	50	µg/L
Naphthalene	91-20-3	NL		NL			50	UOC	S	50	µg/L
Nitrobenzene	98-95-3	NL		0.4	S		50	UOC	S	0.4	µg/L
N-Nitroso-di-n-propylamine	621-64-7	NL		NL			50	UOC	S	50	µg/L
N-Nitrosodiphenylamine	86-30-6	NL		50		G	50	UOC	S	50	µg/L
Pentachlorophenol	87-86-5	NL		NL			1		S	1	µg/L
Phenanthrene	85-01-8	NL		50		G	50	UOC	S	50	µg/L
Phenol	108-95-2	NL		1		S	50	UOC	S	1	µg/L
Pyrene	129-00-0	NL		50		G	50	UOC	S	50	µg/L

Notes:
EPA National Primary Drinking Water Standards (web page http://www.epa.gov/safewater/contaminants/index.html), last updated November 28, 2006.
NYSDEC. June 1998. TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Includes April 2000 and June 2004 Addendum values. (http://www.dec.ny.gov/regulations/2652.html)
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The maximum contaminant level determination for the sum of principal organic contaminants (POC) and unspecified organic contaminants (UOC) is 100 ug/L.

J - Applies to the sum of cis-1,3-Dichloropropane and trans-1,3-Dichloropropane
POC - Principal Organic Contaminant
Principal Organic Contaminant (total of POC and UOC contaminants can not exceed 100 ug/L)
UOC - Unspecificed Organic Contaminant (total of POC and UOC contaminants can not exceed 100 ug/L)
T -Value applies to total trihalomethanes (bromodichloromethane, bromoform, chloroform, dibrimochloromethane)
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NL -Chemical name not listed or screening value of this type not listed for the chemical
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		Value	Note	Value	Note	G/S	Value	Note	G/S	Value	
1,1'-Biphenyl	92-52-4	NL		5	PC	S	50	UOC	S	5	µg/L
1,2,4,5-Tetrachlorobenzene	95-94-3	NL		5	PC	S	50	UOC	S	5	µg/L
Acetophenone	98-86-2	NL		NL			50	UOC	S	50	µg/L
Aluminum	7429-90-5	NL		NL			NL			NL	µg/L
Antimony	7440-36-0	6		3		S	6		S	3	µg/L
Arsenic	7440-38-2	10		25		S	10		S	10	µg/L
Atrazine	1912-24-9	3		7.5		S	3		S	3	µg/L
Barium	7440-39-3	2000		1,000		S	2000		S	1000	µg/L
Benzaldehyde	100-52-7	NL					50	UOC	S	50	µg/L
Benzo(a)anthracene	56-55-3	NL		0.002		G	50	UOC	S	0.002	µg/L
Benzo(a)pyrene	50-32-8	0.2		ND			0.2		S	0.2	µg/L
Benzo(b)fluoranthene	205-99-2	NL		0.002		G	50	UOC	S	0.002	µg/L
Benzo(g,h,i)perylene	191-24-2	NL		NL			50	UOC	S	50	µg/L
Benzo(k)fluoranthene	207-08-9	NL		0.002		G	50	UOC	S	0.002	µg/L
Beryllium	7440-41-7	4		3		G	4		S	3	µg/L
Bis(2-chloroethoxy)methane	111-91-1	NL		5	PC	S	50	UOC	S	5	µg/L
Bis(2-chloroethyl)ether	111-44-4	NL		1		S	50	UOC	S	1	µg/L
Bis(2-ethylhexyl)phthalate	117-81-7	NL		5		S	50	UOC	S	5	µg/L
Butylbenzylphthalate	85-68-7	NL		50		G	50	UOC	S	50	µg/L
Cadmium	7440-43-9	5		5		S	5		S	5	µg/L
Calcium	7440-70-2	NL		NL			NL			NL	µg/L
Caprolactam	105-60-2	NL		NL			50	UOC	S	50	µg/L
Chromium	7440-47-3	100		50		S	100		S	50	µg/L
Chrysene	218-01-9	NL		0.002		G	50	UOC	S	0.002	µg/L
Cobalt	7440-48-4	NL		NL			50	UOC	S	50	µg/L
Copper	7440-50-8	1300		200		S	50	UOC	S	50	µg/L
Dibenzo(a,h)anthracene	53-70-3	NL		NL			50	UOC	S	50	µg/L
Dibenzofuran	132-64-9	NL		NL			50	UOC	S	50	µg/L
Diethylphthalate	84-66-2	NL		50		G	50	UOC	S	50	µg/L
Dimethylphthalate	131-11-3	NL		50		G	50	UOC	S	50	µg/L
Fluoranthene	206-44-0	NL		50		G	50	UOC	S	50	µg/L
Fluorene	86-73-7	NL		50		G	50	UOC	S	50	µg/L
Hexachlorobenzene	118-74-1	1		0.04		S	1		S	0.04	µg/L
Hexachlorobutadiene	87-68-3	NL		0.5		S	50	UOC	S	0.5	µg/L
Hexachlorocyclopentadiene	77-47-4	50		5	PC	S	50	UOC	S	5	µg/L
Hexachloroethane	67-72-1	NL		5	PC	S	50	UOC	S	5	µg/L
Indeno(1,2,3-cd)pyrene	193-39-5	NL		0.002		G	50	UOC	S	0.002	µg/L
Iron	7439-89-6	NL		300		S	300		S	300	µg/L
Isophorone	78-59-1	NL		50		G	50	UOC	S	50	µg/L
Lead	7439-92-1	15		25		S	50	UOC	S	15	µg/L
Magnesium	7439-95-4	NL		35,000		G	NL			35000	µg/L
Manganese	7439-96-5	NL		300		S	300		S	300	µg/L
Mercury	7439-97-6	2		0.7		S	2		S	0.7	µg/L
Naphthalene	91-20-3	NL		10		G	50	UOC	S	10	µg/L
Nickel	7440-02-0	NL		100		S	NL			100	µg/L
Nitrobenzene	98-95-3	NL		0.4		S	50	UOC	S	0.4	µg/L
Pentachlorophenol	87-86-5	1		1	P	S	1		S	1	µg/L
Phenanthrene	85-01-8	NL		50		G	50	UOC	S	50	µg/L
Phenol	108-95-2	NL		1	P	S	50	UOC	S	1	µg/L
Potassium	2023695	NL		NL			NL			0	µg/L
Pyrene	129-00-0	NL		50		G	50	UOC	S	50	µg/L
Selenium	7782-49-2	50		10		S	50		S	10	µg/L
Silver	7440-22-4	NL		50		S	100		S	50	µg/L
Sodium	7440-23-5	NL		20000		S	NL			20000	µg/L
Thallium	7440-28-0	2		0.5		G	2		S	0.5	µg/L
Vanadium	7440-62-2	NL		NL			NL			NL	µg/L
Zinc	7440-66-6	NL		2,000		G	5000		S	2000	µg/L

Notes:
EPA National Primary Drinking Water Standards (web page http://www.epa.gov/safewater/contaminants/index.html), last updated November 28, 2006.
NYSDEC. June 1998. TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Includes April 2000 and June 2004 Addendum values. (http://www.dec.ny.gov/regulations/2652.html)
New York State Department of Health Drinking Water Standards, NYCRR Title 10, Part 5, Subpart 5-1 Public Water Systems, Effective November 23, 2005 (Statutory authority: Public Health Law 225, Effective May 26, 2004). (http://www.health.state.ny.us/environmental/water/drinking/part5/subpart5.htm)
The maximum contaminant level determination for the sum of principal organic contaminants (POC) and unspecified organic contaminants (UOC) is 100 ug/L.

J - Applies to the sum of cis-1,3-Dichloropropane and trans-1,3-Dichloropropane
POC - Principal Organic Contaminant
Principal Organic Contaminant (total of POC and UOC contaminants can not exceed 100 ug/L)
UOC - Unspecificed Organic Contaminant (total of POC and UOC contaminants can not exceed 100 ug/L)
T -Value applies to total trihalomethanes (bromodichloromethane, bromoform, chloroform, dibrimochloromethane)
G - Guidance Value
S - Standard Value
NL -Chemical name not listed or screening value of this type not listed for the chemical
T - Total trihalomethanes
µg/L - Microgram per liter
P - Applies to the sum of phenolic compounds

Table 4-3
Soil Sampling Results
Shames Drive Industrial Park
Westbury, NY

Sample ID		Site-Specific	130173-MW-2-10_12
Sample Location		Soil	MW-2
Lab ID		Delineation	G0580-01B
Sampling Date		Criteria (SSGWDC)	4/24/2008
Unit	CAS#		ug/kg
Volatile Organic Compounds (SW8260 Low)			
1,1,2-Trichloroethane	79-00-5	NC	5.2 U
1,1-Dichloroethane	75-34-3	200	5.2 U
1,1-Dichloroethene	75-35-4	330	5.2 U
1,1-Dichloropropene	563-58-6	NC	5.2 U
1,2,3-Trichlorobenzene	87-61-6	NC	5.2 U
1,2,3-Trichloropropane	96-18-4	400	5.2 U
1,2,4-Trichlorobenzene	120-82-1	3, 400	5.2 U
1,2,4-Trimethylbenzene	95-63-6	NC	5.2 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	5.2 U
1,2-Dibromoethane	106-93-4	NC	5.2 U
1,2-Dichlorobenzene	95-50-1	1100	5.2 U
1,2-Dichloroethane	107-06-2	20	5.2 U
1,2-Dichloropropane	78-87-5	NC	5.2 U
1,3,5-Trimethylbenzene	108-67-8	NC	5.2 U
1,3-Dichlorobenzene	541-73-1	1600	5.2 U
1,3-Dichloropropane	142-28-9	300	5.2 U
1,4-Dichlorobenzene	106-46-7	1800	5.2 U
2,2-Dichloropropane	594-20-7	NC	5.2 U
2-Butanone	78-93-3	120	5.2 R
2-Chlorotoluene	95-49-8	NC	5.2 U
2-Hexanone	591-78-6	NC	5.2 U
4-Chlorotoluene	106-43-4	NC	5.2 U
4-Isopropyltoluene	99-87-6	NC	5.2 U
4-Methyl-2-pentanone	108-10-1	1000	5.2 U
Acetone	67-64-1	50	6.1 UJ
Benzene	71-43-2	60	5.2 U
Bromobenzene	108-86-1	NC	5.2 U
Bromochloromethane	74-97-5	NC	5.2 U
Bromodichloromethane	75-27-4	NC	5.2 U
Bromoform	75-25-2	NC	5.2 U
Bromomethane	74-83-9	NC	5.2 U
Carbon disulfide	75-15-0	2700	5.2 UJ
Carbon tetrachloride	56-23-5	600	5.2 U
Chlorobenzene	108-90-7	1100	5.2 U
Chloroethane	75-00-3	1900	5.2 U
Chloroform	67-66-3	300	5.2 U
Chloromethane	74-87-3	NC	5.2 U
cis-1,2-Dichloroethene	156-59-2	250	5.2 U
cis-1,3-Dichloropropene	10061-01-5	NC	5.2 U
Dibromochloromethane	124-48-1	NC	5.2 U
Dibromomethane	74-95-3	NC	5.2 U
Dichlorodifluoromethane	75-71-8	NC	5.2 U
Ethylbenzene	100-41-4	1000	5.2 U
Hexachlorobutadiene	87-68-3	330	5.2 U
Iodomethane	74-88-4	NC	5.2 U

Table 4-3
Soil Sampling Results
Shames Drive Industrial Park
Westbury, NY

Sample ID		**Site-Specific**	**130173-MW-2-10_12**
Sample Location		**Soil**	MW-2
Lab ID		**Delineation**	G0580-01B
Sampling Date		**Criteria (SSGWDC)**	4/24/2008
Unit	**CAS#**		ug/kg
Isopropylbenzene	98-82-8	NC	5.2 U
m,p-Xylene	1330-20-7	1200	5.2 U
Methyl tert-butyl ether	1634-04-4	930	5.2 U
Methylene chloride	75-09-2	50	1.1 UB
n-Butylbenzene	104-51-8	12000	5.2 U
n-Propylbenzene	103-65-1	3900	5.2 U
Naphthalene	91-20-3	13000	5.2 U
o-Xylene	95-47-6	1200	5.2 U
sec-Butylbenzene	135-98-8	11000	5.2 U
Styrene	100-42-5	NC	5.2 U
tert-Butylbenzene	98-06-6	5900	5.2 U
Tetrachloroethene	127-18-4	1300	5.2 U
Toluene	108-88-3	700	5.2 U
trans-1,2-Dichloroethene	156-60-5	190	5.2 U
trans-1,3-Dichloropropene	10061-02-6	NC	5.2 U
Trichloroethene	79-01-6	470	5.2 U
Trichlorofluoromethane	75-69-4	NC	5.2 U
Vinyl acetate	108-05-4	0	5.2 U
Vinyl chloride	75-01-4	20	5.2 U
Xylene (Total)	1330-20-7	260	5.2 U
1,1,1,2-Tetrachloroethane	630-20-6	600	5.2 U
1,1,1-Trichloroethane	71-55-6	680	5.2 U
1,1,2,2-Tetrachloroethane	79-34-5	600	5.2 U
Base Neutral Acid Extractables (SW8270)			
1,2,4-Trichlorobenzene	120-82-1	NC	340 U
1,2-Dichlorobenzene	95-50-1	1100	340 U
1,3-Dichlorobenzene	541-73-1	2400	340 U
1,4-Dichlorobenzene	106-46-7	1800	340 U
2,2'-oxybis(1-Chloropropane)	108-60-1	NC	340 UJ
2,4,5-Trichlorophenol	95-95-4	100	700 U
2,4,6-Trichlorophenol	88-06-2	NC	340 U
2,4-Dichlorophenol	120-83-2	400	340 U
2,4-Dimethylphenol	105-67-9	NC	340 U
2,4-Dinitrophenol	51-28-5	200 or MDL	700 UJ
2,4-Dinitrotoluene	121-14-2	NC	340 U
2,6-Dinitrotoluene	606-20-2	1000	340 U
2-Chloronaphthalene	91-58-7	NC	340 U
2-Chlorophenol	95-57-8	800	340 U
2-Methylnaphthalene	91-57-6	36400	340 U
2-Methylphenol	95-48-7	100 or MDL	340 U
2-Nitroaniline	88-74-4	430 or MDL	700 U
2-Nitrophenol	88-75-5	330 or MDL	340 U
3,3'-Dichlorobenzidine	91-94-1	NC	340 U
3-Nitroaniline	99-09-2	500 or MDL	700 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	700 UJ

Table 4-3
Soil Sampling Results
Shames Drive Industrial Park
Westbury, NY

Sample ID		**Site-Specific**	**130173-MW-2-10_12**
Sample Location		**Soil**	MW-2
Lab ID		**Delineation**	G0580-01B
Sampling Date		**Criteria (SSGWDC)**	4/24/2008
Unit	**CAS#**		ug/kg
4-Bromophenyl-phenylether	101-55-3	NC	340 U
4-Chloro-3-methylphenol	59-50-7	240 or MDL	340 U
4-Chloroaniline	106-47-8	220 or MDL	340 U
4-Chlorophenyl-phenylether	7005-72-3	NC	340 U
4-Methylphenol	106-44-5	900	340 U
4-Nitroaniline	100-01-6	NC	700 U
4-Nitrophenol	100-02-7	101 or MDL	700 UJ
Acenaphthene	83-32-9	20000	340 U
Acenaphthylene	208-96-8	41000	340 U
Anthracene	120-12-7	50000	340 U
Benzo(a)anthracene	56-55-3	224 or MDL	340 U
Benzo(a)pyrene	50-32-8	61 or MDL	340 U
Benzo(b)fluoranthene	205-99-2	1000	340 U
Benzo(g,h,i)perylene	191-24-2	50000	340 UJ
Benzo(k)fluoranthene	207-08-9	800	340 U
Bis(2-chloroethoxy)methane	111-91-1	NC	340 U
Bis(2-chloroethyl)ether	111-44-4	NC	340 U
Bis(2-ethylhexyl)phthalate	117-81-7	50000	340 U
Butylbenzylphthalate	85-68-7	50000	340 U
Carbazole	86-74-8	NC	340 U
Chrysene	218-01-9	400	340 U
Di-n-butylphthalate	84-74-2	8100	340 U
Di-n-octylphthalate	117-84-0	50000	340 UJ
Dibenzo(a,h)anthracene	53-70-3	15 or MDL	340 UJ
Dibenzofuran	132-64-9	6200	340 U
Diethylphthalate	84-66-2	7100	340 U
Dimethylphthalate	131-11-3	2000	340 U
Fluoranthene	206-44-0	50000	340 U
Fluorene	86-73-7	30000	340 U
Hexachlorobenzene	118-74-1	330	340 U
Hexachlorobutadiene	87-68-3	NC	340 U
Hexachlorocyclopentadiene	77-47-4	NC	340 U
Hexachloroethane	67-72-1	NC	340 U
Indeno(1,2,3-cd)pyrene	193-39-5	500	340 UJ
Isophorone	78-59-1	4400	340 U
N-Nitroso-di-n-propylamine	621-64-7	NC	340 U
N-Nitrosodiphenylamine	86-30-6	NC	340 U
Naphthalene	91-20-3	12000	340 U
Nitrobenzene	98-95-3	200 or MDL	340 U
Pentachlorophenol	87-86-5	800	700 UJ
Phenanthrene	85-01-8	50000	340 U
Phenol	108-95-2	30 or MDL	340 U
Pyrene	129-00-0	50000	340 U

Table 4-3
Soil Sampling Results
Shames Drive Industrial Park
Westbury, NY

Sample ID		**Site-Specific**	**130173-MW-2-10_12**
Sample Location		**Soil**	MW-2
Lab ID		**Delineation**	G0580-01B
Sampling Date		**Criteria (SSGWDC)**	4/24/2008
Unit	**CAS#**		ug/kg
Metals (SW6010/7471)			
Aluminum	7429-90-5	SB	996
Antimony	7440-36-0	SB	0.085 BJ
Arsenic	7440-38-2	7,500or SB	1
Barium	7440-39-3	300,000 or SB	8.4
Beryllium	7440-41-7	7,200	0.072 BJ
Cadmium	7440-43-9	1,000 or SB	0.14 U
Calcium	7440-70-2	SB	82.5
Chromium	7440-47-3	1,000	5.9
Cobalt	7440-48-4	30,000 or SB	2.1
Copper	7440-50-8	25,000 or SB	2.3
Iron	7439-89-6	2,000,000 or SB	2590
Lead	7439-92-1	63,000	1.5
Magnesium	7439-95-4	SB	202
Manganese	7439-96-5	1,600,000	55.8
Mercury	7439-97-6	100	0.028 U
Nickel	7440-02-0	13,000 or SB	2
Potassium	9/7/7440	SB	147
Selenium	7782-49-2	2,000 or SB	0.085 BJ
Silver	7440-22-4	2,000	0.85 U
Sodium	7440-23-5	SB	13.9 BJ
Thallium	7440-28-0	SB	0.093 BJ
Vanadium	7440-62-2	150,000 or SB	2.1
Zinc	7440-66-6	20,000 or SB	4.2

Notes:
ug/kg - micrograms per kilogram
U - Non Detect
E - Value above quantitation range
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
NC - No Criteria

Table 4-4
Groundwater Sampling Results
Shames Drive Industrial Park
Westbury, NY

Sample ID		Site-Specific	130173-MW-1-GW	130173-MW-2-GW	130173-MW-3-GW	130173-MW-4-GW	130173-MW-5-GW	130173-MW-6-GW	130173-MW66-GW	130173-FB-6308	130173-FB-6408	130173-TB
Sample Location		Groundwater	CDM-MW-1	CDM-MW-2	CDM-MW-3	CDM-MW-4	CDM-MW-5	CDM-MW-6	CDM-MW-6 DUPLICATE	Field Blank	Field Blank	Trip Blank
Lab ID		Delineation	G0846-02A	G0846-06C	G0859-03A	G0859-01A	G0846-07A	G0846-04A	G0846-05A	G0846-03A	G0859-02A	G0846-01A
Sampling Date		Criteria (SSGWDC)	6/3/2008	6/3/2008	6/4/2008	6/4/2008	6/3/2008	6/3/2008	6/3/2008	6/3/2008	6/4/2008	6/3/2008
Unit			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Volatile Organic Compounds (OLC3.2)	**CAS#**											
1,1,1-Trichloroethane	71-55-6	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4	1.4	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.59	0.63	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	79-00-5	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	75-34-3	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.33 J	0.34 J	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	75-35-4	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.92	0.66	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	87-61-6	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	106-93-4	0.0006	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	95-50-1	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	107-06-2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	78-87-5	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	541-73-1	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	106-46-7	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	78-93-3	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	591-78-6	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	108-10-1	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	71-43-2	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	74-97-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	75-27-4	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	75-25-2	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	74-83-9	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	75-15-0	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	56-23-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	108-90-7	5	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	75-00-3	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	67-66-3	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	74-87-3	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	156-59-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**10**	**10**	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	10061-01-5	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	110-82-7	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	124-48-1	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	75-71-8	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	100-41-4	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	98-82-8	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	79-20-9	50	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	1634-04-4	10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.41 J	0.5 U	0.5 U	0.5 U
Methylcyclohexane	108-87-2	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	75-09-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.78	0.5 U	0.5 U
Styrene	100-42-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	127-18-4	5	2.8	**13**	0.5 U	0.5 U	0.5 U	**21** D	**23** D	0.5 U	0.5 U	0.5 U
Toluene	108-88-3	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	10061-02-6	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	79-01-6	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.8**	**7.6**	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	75-69-4	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	75-01-4	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (Total)		5	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Semi-Volatile Organic Compounds (OLC3.2)												
1,1'-Biphenyl	92-52-4	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
1,2,4,5-Tetrachlorobenzene	95-94-3	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,2'-oxybis(1-Chloropropane)	108-60-1	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,4,5-Trichlorophenol	95-95-4	50	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	NA
2,4,6-Trichlorophenol	88-06-2	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,4-Dichlorophenol	120-83-2	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,4-Dimethylphenol	105-67-9	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,4-Dinitrophenol	51-28-5	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA
2,4-Dinitrotoluene	121-14-2	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2,6-Dinitrotoluene	606-20-2	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2-Chloronaphthalene	91-58-7	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2-Chlorophenol	95-57-8	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2-Methylnaphthalene	91-57-6	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2-Methylphenol	95-48-7	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
2-Nitroaniline	88-74-4	5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA
2-Nitrophenol	88-75-5	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
3,3'-Dichlorobenzidine	91-94-1	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
3-Nitroaniline	99-09-2	5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA
4,6-Dinitro-2-methylphenol	534-52-1	50	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA
4-Bromophenyl-phenylether	101-55-3	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
4-Chloro-3-methylphenol	59-50-7	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
4-Chloroaniline	106-47-8	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
4-Chlorophenyl-phenylether	7005-72-3	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
4-Methylphenol	106-44-5	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA

Table 4-4
Groundwater Sampling Results
Shames Drive Industrial Park
Westbury, NY

Sample ID		Site-Specific	130173-MW-1-GW	130173-MW-2-GW	130173-MW-3-GW	130173-MW-4-GW	130173-MW-5-GW	130173-MW-6-GW	130173-MW66-GW	130173-FB-6308	130173-FB-6408	130173-TB
Sample Location		Groundwater	CDM-MW-1	CDM-MW-2	CDM-MW-3	CDM-MW-4	CDM-MW-5	CDM-MW-6	CDM-MW-6 DUPLICATE	Field Blank	Field Blank	Trip Blank
Lab ID		Delineation	G0846-02A	G0846-06C	G0859-03A	G0859-01A	G0846-07A	G0846-04A	G0846-05A	G0846-03A	G0859-02A	G0846-01A
Sampling Date		Criteria (SSGWDC)	6/3/2008	6/3/2008	6/4/2008	6/4/2008	6/3/2008	6/3/2008	6/3/2008	6/3/2008	6/4/2008	6/3/2008
Unit			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
4-Nitroaniline	100-01-6	5	20 UJ	20 UJ	20 U	20 U	20 UJ	20 UJ	20 UJ	20 UJ	20 U	NA
4-Nitrophenol	100-02-7	50	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA
Acenaphthene	83-32-9	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Acenaphthylene	208-96-8	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Acetophenone	98-86-2	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Anthracene	120-12-7	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Atrazine	1912-24-9	3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Benzaldehyde	100-52-7	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Benzo(a)anthracene	56-55-3	0.002	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Benzo(a)pyrene	50-32-8	0.2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Benzo(b)fluoranthene	205-99-2	0.002	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Benzo(g,h,i)perylene	191-24-2	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Benzo(k)fluoranthene	207-08-9	0.002	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Bis(2-chloroethoxy)methane	111-91-1	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Bis(2-chloroethyl)ether	111-44-4	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Bis(2-ethylhexyl)phthalate	117-81-7	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Butylbenzylphthalate	85-68-7	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Caprolactam	105-60-2	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Chrysene	218-01-9	0.002	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Di-n-butylphthalate	84-74-2	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Di-n-octylphthalate	117-84-0	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Dibenzo(a,h)anthracene	53-70-3	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Dibenzofuran	132-64-9	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Diethylphthalate	84-66-2	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Dimethylphthalate	131-11-3	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Fluoranthene	206-44-0	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Fluorene	86-73-7	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Hexachlorobenzene	118-74-1	0.04	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Hexachlorobutadiene	87-68-3	0.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Hexachlorocyclopentadiene	77-47-4	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Hexachloroethane	67-72-1	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Isophorone	78-59-1	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
N-Nitroso-di-n-propylamine	621-64-7	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
N-Nitrosodiphenylamine	86-30-6	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Naphthalene	91-20-3	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Nitrobenzene	98-95-3	0.4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Pentachlorophenol	87-86-5	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Phenanthrene	85-01-8	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Phenol	108-95-2	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 J	NA
Pyrene	129-00-0	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Metals (ILM4.1 ICP)												
Potassium	9/7/7440	NC	6550	1680 BJ	1520 BJ	1830 BJ	3670 BJ	2900 BJ	2840 BJ	5000 U	334.8 U	NA
Sodium	7440-23-5	NC	13000	10300	14700	11900	27500	16700	16500	48.8 BJ	77.6 BJ	NA
Mercury	7439-97-6	0.7	0.098 BJ	0.1 BJ	0.094 BJ	0.098 BJ	0.1 BJ	0.098 BJJ	0.1 BJ	0.093 BJ	0.11 BJ	NA
Aluminum	7429-90-5	NC	32.1 BJ	37.4 BJ	38.1 BJ	130 BJ	39.1 BJ	78.1 BJ	94.7 BJ	16.3 BJ	20 BJ	NA
Antimony	7440-36-0	3	60 U	60 U	2 U	2 U	60 U	60 U	60 U	60 U	2 U	NA
Arsenic	7440-38-2	10	10 U	10 U	2.5 BJ	2.5 U	10 U	10 U	4.2 BJ	2.9 BJ	2.5 U	NA
Barium	7440-39-3	1000	45 BJ	75.7 BJ	34 BJ	44 BJ	51 BJ	72.2 BJ	73.6 BJ	4.9 BJ	0.75 BJ	NA
Beryllium	7440-41-7	3	5 U	5 U	0.03 U	0.03 U	5 U	5 U	5 U	5 U	0.03 U	NA
Calcium	7440-70-2	NC	15700	24100	13100	13400	18700	13500	13600	5000 U	73 U	NA
Chromium	7440-47-3	50	13.6	10.3	7 BJ	16.6	11.5	16.7	18	0.49 BJ	0.37 BJ	NA
Cobalt	7440-48-4	50	0.39 BJ	0.36 BJ	0.28 BJ	0.73 BJ	0.7 BJ	0.55 BJ	0.74 BJ	50 U	0.21 U	NA
Copper	7440-50-8	50	5.6 BJ	4.1 BJ	3 BJ	5.2 BJ	1.9 BJ	3.4 BJ	3 BJ	2.7 BJ	2.8 BJ	NA
Iron	7439-89-6	300	79.4 BJ*	90.3 BJ*	130	363	122 J*	179 *J	197 J*	88.2 BJ*	14.6 BJ	NA
Lead	7439-92-1	15	3.4	1.5 BJ	1.3 U	1.3 U	3 U	3 U	1.5 BJ	3 U	1.3 U	NA
Magnesium	7439-95-4	35000	5210	6520	2840 BJ	3450 BJ	2660 BJ	4060 BJ	4180 BJ	11.3 BJ	6.4 U	NA
Manganese	7439-96-5	300	18.3	15.1	6.8 BJ	29.9	20.1	18.4	20.1	1.8 BJ	1.7 BJ	NA
Nickel	7440-02-0	100	10.2 BJ	8.7 BJ	5.3 BJ	11.8 BJ	9.3 BJ	14 BJ	14.9 BJ	40 U	0.55 BJ	NA
Selenium	7782-49-2	10	5 R	5 R	4.8 U	4.8 U	5 R	5 R	5 R	5 R	4.8 U	NA
Silver	7440-22-4	50	2.2 BJ	10 U	2.2 BJ	3.5 BJ	10 U	0.76 BJ	0.77 BJ	1.1 BJ	3.4 BJ	NA
Thallium	7440-28-0	0.5	10 U	10 U	2.3 U	2.3 U	10 U	10 U	10 U	10 U	2.3 U	NA
Vanadium	7440-62-2	NC	50 U	50 U	0.5 U	0.78 BJ	50 U	0.62 BJ	0.85 BJ	50 U	0.5 U	NA
Cadmium	7440-43-9	5	5 U	5 U	0.19 BJ	0.13 U	1.4 BJ	5 U	1 BJ	5 U	0.16 BJ	NA
Zinc	7440-66-6	2000	30 EJ	22.3 EJ	14 R	19.7 R	15.8 BJE	21.3 EJ	25.1 EJ	13.2 BJE	52.2 R	NA

Notes:
µg/m3 - micrograms per meter cubed
ND - Non Detect
E - Value above quantitation range
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
NC - No Criteria
D - Dilution

Table 4-5
Soil Vapor Sampling Results
Shames Drive Industrial Park
Westbury, NY

Sample ID		130173-SV1-8	130173-SV1-55	130173-SV2-8	130173-SV2-55	130173-SV3-8	130173-SV3-55	130173-SV33-55	130173-SV4-8	130173-SV4-55	130173-SV5-8	130173-SV5-55	130173-AA	130173-TB
Sample Location		SV-1	SV-1	SV-2	SV-2	SV-3	SV-3	SV-3 DUPLICATE	SV-4	SV-4	SV-5	SV-5	Ambient Air	TRIP BLANK
Lab ID		SA77688-01	SA77688-02	SA77688-03	SA77688-04	SA77688-05	SA77688-07	SA77688-08	SA77688-09	SA77688-10	SA77688-11	SA77688-12	SA77688-06	SA77688-13
Sampling Date		4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008
Unit		µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Volatile Organic Compounds (EPA TO-15)	**CAS#**													
Propene	115-07-1	3.44 U	4.3 U	100.79	131.56	138.12	108.94	142.25	88.94	126.58	143.45	94.49	0.17 U	0.17 U
Dichlorodifluoromethane (Freon12)	75-71-8	9.89 U	12.36 U	9.89 U	9.89 U	12.36 U	12.36 U	12.36 U	9.89 U	12.36 U	12.36 U	12.36 U	3.41	0.49 U
Chloromethane	74-87-3	4.13 U	5.16 U	4.13 U	4.13 U	5.16 U	5.16 U	5.16 U	4.13 U	5.16 U	5.16 U	5.16 U	1.22	0.21 U
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	13.98 U	17.47 U	13.98 U	13.98 U	17.47 U	17.47 U	17.47 U	13.98 U	17.47 U	17.47 U	17.47 U	0.7 U	0.7 U
Vinyl chloride	75-01-4	5.11 U	6.39 U	5.11 U	5.11 U	6.39 U	6.39 U	6.39 U	5.11 U	6.39 U	6.39 U	6.39 U	0.26 U	0.26 U
1,3-Butadiene	106-99-0	4.42 U	5.52 U	4.42 U	4.42 U	5.52 U	5.52 U	5.52 U	4.42 U	5.52 U	5.52 U	5.52 U	0.22 U	0.22 U
Bromomethane	74-83-9	7.76 U	9.7 U	7.76 U	7.76 U	9.7 U	9.7 U	9.7 U	7.76 U	9.7 U	9.7 U	9.7 U	0.39 U	0.39 U
Chloroethane	75-00-3	5.28 U	6.6 U	5.28 U	5.28 U	6.6 U	6.6 U	6.6 U	5.28 U	6.6 U	6.6 U	6.6 U	0.26 U	0.26 U
Acetone	67-64-1	765.92	685.08	391.23	516.13	456.48	149.71	393.04	238.01	468.36	478.11	303.33	12.48	0.21
Trichlorofluoromethane (Freon 11)	75-69-4	11.24 U	14.05 U	11.24 U	11.24 U	14.05 U	14.05 U	14.05 U	11.24 U	14.05 U	14.05 U	14.05 U	1.24	0.56 U
Ethanol	64-17-5	77.15	98.99	93.14	111.7	109.17	70.42	94.93	62.52	81.08	138.87	67.97	10.2	0.94 U
1,1-Dichloroethene	75-35-4	7.93 U	9.92 U	7.93 U	7.93 U	9.92 U	9.92 U	9.92 U	7.93 U	9.92 U	9.92 U	9.92 U	0.4 U	0.4 U
Methylene chloride	75-09-2	7.22	10.59	6.94 U	6.94 U	8.68 U	8.68 U	8.68 U	6.94 U	8.68 U	8.68 U	8.68 U	0.83	0.35 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	15.33 U	19.16 U	15.33 U	15.33 U	19.16 U	19.16 U	19.16 U	15.33 U	19.16 U	19.16 U	57.1	0.54 U	0.77 U
Carbon disulfide	75-15-0	4.61	7.78 U	6.22 U	6.22 U	7.78 U	7.78 U	7.78 U	6.22 U	7.78 U	7.78 U	7.78 U	1.56 U	1.56 U
trans-1,2-Dichloroethene	156-60-5	7.93 U	9.91 U	7.93 U	7.93 U	9.91 U	9.91 U	9.91 U	7.93 U	9.91 U	9.91 U	9.91 U	0.4 U	0.4 U
1,1-Dichloroethane	75-34-3	8.1 U	10.12 U	8.1 U	8.1 U	10.12 U	10.12 U	10.12 U	8.1 U	10.12 U	10.12 U	10.12 U	0.4 U	0.4 U
Methyl tert-butyl ether	1634-04-4	7.21 U	9.02 U	7.21 U	7.21 U	9.02 U	9.02 U	9.02 U	7.21 U	9.02 U	9.02 U	9.02 U	0.36 U	0.36 U
Isopropyl alcohol	67-63-0	22.58	13.99	4.91 U	4.91 U	6.13 U	6.13 U	6.13 U	11.58	5.89	4.05	6.13 U	1.6	1.23 U
2-Butanone (MEK)	78-93-3	333.46	719.23	803.16	922.41	842.2	603.49	772.61	472.17	615.58	1137.53	639.17	1.8	0.29 U
cis-1,2-Dichloroethene	156-59-2	7.93 U	9.91 U	7.93 U	7.93 U	9.91 U	9.91 U	9.91 U	7.93 U	9.91 U	9.91 U	9.91 U	0.4 U	0.4 U
Hexane	110-54-3	31.31	31.55	9.03	7.05 U	9.87	8.81 U	12.52	7.05 U	8.81 U	8.81 U	16.39	0.81	0.35 U
Ethyl acetate	141-78-6	7.21 U	9.01 U	7.21 U	7.21 U	9.01 U	9.01 U	9.01 U	7.21 U	9.01 U	9.01 U	9.01 U	0.36 U	0.36 U
Chloroform	67-66-3	9.73 U	12.17 U	9.73 U	9.73 U	12.17 U	12.17 U	12.17 U	9.73 U	12.17 U	12.17 U	12.17 U	0.49 U	0.49 U
Tetrahydrofuran	109-99-9	5.9 U	5.01	5.9 U	6.72	7.37 U	7.37 U	7.37 U	5.9 U	5.31	7.37 U	7.22	0.29 U	0.29 U
1,2-Dichloroethane	107-06-2	8.1 U	10.12 U	8.1 U	8.1 U	10.12 U	10.12 U	10.12 U	8.1 U	10.12 U	10.12 U	10.12 U	0.4 U	0.4 U
1,1,1-Trichloroethane	71-55-6	10.91 U	18.82	10.91 U	10.91 U	25.64	17.46	17.46	10.91 U	13.64 U	13.64 U	13.64 U	0.55 U	0.55 U
Benzene	71-43-2	10.34	11.17	6.38 U	6.64	7.98 U	5.1	5.42	4.59	7.98	7.98 U	7.18	0.89	0.32 U
Carbon tetrachloride	56-23-5	12.58 U	15.73 U	12.58 U	12.58 U	15.73 U	15.73 U	15.73 U	12.58 U	15.73 U	15.73 U	15.73 U	0.5 U	0.63 U
Cyclohexane	110-82-7	29.46	19.96	6.88 U	6.88 U	8.61 U	8.61 U	8.61 U	6.88 U	7.57	8.61 U	8.61 U	0.21 U	0.34 U
1,2-Dichloropropane	78-87-5	9.24 U	11.55 U	9.24 U	9.24 U	11.55 U	11.55 U	11.55 U	9.24 U	11.55 U	11.55 U	11.55 U	0.46 U	0.46 U
Bromodichloromethane	75-27-4	13.4 U	16.75 U	13.4 U	10.45	16.75 U	16.75 U	16.75 U	13.4 U	16.75 U	16.75 U	10.38	0.67 U	0.67 U
Trichloroethene	79-01-6	17.2	94.32	10.75 U	10.75 U	13.44 U	13.44 U	13.44 U	10.75 U	13.44 U	13.44 U	13.44 U	0.54 U	0.54 U
n-Heptane	142-82-5	163.6	104.71	7.54	12.62	6.97	8.61	9.02	8.69	42.83	6.97	10.45	0.61	0.41 U
4-Methyl-2-pentanone (MIBK)	108-10-1	8.2 U	10.25 U	8.2 U	8.2 U	10.25 U	10.25 U	10.25 U	8.2 U	10.25 U	10.25 U	10.25 U	0.41 U	0.41 U
cis-1,3-Dichloropropene	10061-01-5	9.08 U	11.35 U	9.08 U	9.08 U	11.35 U	11.35 U	11.35 U	9.08 U	11.35 U	11.35 U	11.35 U	0.45 U	0.45 U
trans-1,3-Dichloropropene	10061-02-6	9.08 U	11.35 U	9.08 U	9.08 U	11.35 U	11.35 U	11.35 U	9.08 U	11.35 U	11.35 U	11.35 U	0.45 U	0.45 U
1,1,2-Trichloroethane	79-00-5	10.91 U	13.64 U	10.91 U	10.91 U	13.64 U	13.64 U	13.64 U	10.91 U	13.64 U	13.64 U	13.64 U	0.55 U	0.55 U
Toluene	108-88-3	394.94	259.44	33.11	46.66	36.88	36.88	38.57	29.35	119.66	41.01	43.84	5.72	0.38 U
2-Hexanone (MBK)	591-78-6	56.72	98.36	154.58	145.24	157.16	102.04	129.09	98.03	115.98	228.27	114.54	0.41 U	0.41 U
Dibromochloromethane	124-48-1	17.04 U	21.3 U	17.04 U	17.04 U	21.3 U	21.3 U	21.3 U	17.04 U	21.3 U	21.3 U	21.3 U	0.85 U	0.85 U
1,2-Dibromoethane (EDB)	106-93-4	15.37 U	19.21 U	15.37 U	15.37 U	19.21 U	19.21 U	19.21 U	15.37 U	19.21 U	19.21 U	19.21 U	0.77 U	0.77 U
Tetrachloroethene	127-18-4	720.43	2699.59	59.4	144.57	233.95	195.3	192.59	17.9	31.53	24.41	28.82	1.02	0.68 U
Chlorobenzene	108-90-7	9.21 U	11.51 U	9.21 U	9.21 U	11.51 U	11.51 U	11.51 U	9.21 U	11.51 U	11.51 U	11.51 U	0.46 U	0.46 U
Ethylbenzene	100-41-4	19.25	17.34	11.62	10.23	12.14	9.97	10.4	8.15	12.14	13.66	9.97	0.61	0.43 U
m,p-Xylene	1330-20-7	53.76	55.28	53.24	39.54	54.41	40.75	41.4	31.91	44.65	61.35	38.37	1.6	0.43 U
Bromoform	75-25-2	20.67 U	25.84 U	20.67 U	20.67 U	25.84 U	25.84 U	25.84 U	20.67 U	25.84 U	25.84 U	25.84 U	1.03 U	1.03 U
Styrene	100-42-5	6.13	10.63 U	8.51 U	8.51 U	10.63 U	10.63 U	10.63 U	8.51 U	10.63 U	10.63 U	10.63 U	0.43 U	0.43 U
o-Xylene	95-47-6	16.99	16.04	14.22	9.88	14.96	10.4	10.62	7.63	11.71	16.69	9.54	0.56	0.43 U
1,1,2,2-Tetrachloroethane	79-34-5	13.73 U	17.17 U	13.73 U	13.73 U	17.17 U	17.17 U	17.17 U	13.73 U	17.17 U	17.17 U	17.17 U	0.69 U	0.69 U
1,3,5-Trimethylbenzene	108-67-8	6.49	12.29 U	7.67	9.83 U	7.87	12.29 U	12.29 U	9.83 U	12.29 U	8.6	12.29 U	0.49 U	0.49 U
4-Ethyltoluene	622-96-8	9.83 U	12.29 U	9.83 U	9.83 U	12.29 U	12.29 U	12.29 U	9.83 U	12.29 U	12.29 U	12.29 U	0.49 U	0.49 U
1,2,4-Trimethylbenzene	95-63-6	19.07	13.03	20.84	9.83 U	21.88	11.8	12.04	9.83 U	12.54	24.33	12.29 U	0.64	0.49 U
1,3-Dichlorobenzene	541-73-1	12.02 U	15.03 U	12.02 U	12.02 U	15.03 U	15.03 U	15.03 U	12.02 U	15.03 U	15.03 U	15.03 U	0.6 U	0.6 U
Benzyl chloride	100-44-7	10.31 U	12.88 U	10.31 U	10.31 U	12.88 U	12.88 U	12.88 U	10.31 U	12.88 U	12.88 U	12.88 U	0.52 U	0.52 U
1,4-Dichlorobenzene	106-46-7	12.02 U	15.03 U	12.02 U	12.02 U	15.03 U	15.03 U	15.03 U	12.02 U	15.03 U	15.03 U	15.03 U	0.6 U	0.6 U
1,2-Dichlorobenzene	95-50-1	12.02 U	15.03 U	12.02 U	12.02 U	15.03 U	15.03 U	15.03 U	12.02 U	15.03 U	15.03 U	15.03 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene	120-82-1	14.85 U	18.56 U	14.85 U	14.85 U	18.56 U	18.56 U	18.56 U	14.85 U	18.56 U	18.56 U	18.56 U	0.74 U	0.74 U
Hexachlorobutadiene	87-68-3	21.33 U	26.66 U	21.33 U	21.33 U	26.66 U	26.66 U	26.66 U	21.33 U	26.66 U	26.66 U	26.66 U	1.07 U	1.07 U

Notes:
U - non-detect
µg/m^3 - micrograms per cubic meter

Section 5
Findings and Recommendations

This section presents the findings and recommendations which are based upon the analytical results of the sub-surface soil, groundwater, and soil vapor sampling.

5.1 Findings

The Site Characterization at the Shames Drive Industrial Park identified two areas of concern (AOCs): groundwater contamination and soil vapor contamination. Following are the findings for these AOCs.

5.1.1 Groundwater

Six groundwater monitoring wells (CDM-MW-1 through CDM-MW-6) were installed to characterize groundwater entering and leaving the Site. Two of the wells (CDM-MW-1, and MW-2) were installed in the upgradient portion of the Site and four wells (CDM-MW-3 –MW-4, and MW-5 and MW-6) were installed downgradient of the site, and more specifically downgradient of businesses within the industrial park that could be potential sources of contamination. The wells were installed so that the screened interval of the well straddled the groundwater surface, so samples collected from the wells represent groundwater quality at the groundwater surface/top of the water table.

The results of the groundwater sample analyses identified tetrachloroethene at a concentration of 13 ug/L in CDM-MW-2, located at 1200 Shames Drive, exceeding the site specific groundwater criteria of 5 µg/L. This well was positioned as an upgradient well to detect contamination at the water table entering the property from the north. Based on the groundwater results observed at CDM-MW-2 it appears that groundwater contamination consisting of the chlorinated compound PCE is migrating onto the Site from the north. It is suspected that the contamination observed at CDM-MW-2 is originating from the upgradient Solvent Finishers Site. The Solvent Finishers site is known to have a significant plume of contamination containing primarily chlorinated compounds, specifically, PCE.

Tetrachloroethene and its degradation products, trichloroethene, and cis-1,2-dichloroethene were identified at concentrations exceeding the site specific groundwater criteria in well CDM-MW-6 and its duplicate. Specifically, PCE was identified at a concentration of 21 µg/L, trichloroethene at 7.8 µg/L, and cis-1,2-dichloroethene at 10 µg/L. This well is situated adjacent to the building at 1700 Shames Drive at the southeast side of the Site. The concentration of PCE identified in the groundwater at CDM-MW-6 is at the same order of magnitude as the concentration detected at CDM-MW-2. The presence of PCE's degradation products at CDM-MW-6 is consistent with the assumption that the Solvent Finisher Site is the source of the contamination, since it would be expected that the breakdown products would be present further from the source.

Samples collected from the monitoring wells situated downgradient of the Site (CDM-MW-3, -4, and -5) did not identify the presence of VOCs, SVOCs or metals above the site specific cleanup criteria. The data suggests that historic operations at the Site have not resulted in contamination at the water table that is moving offsite. Given the chemical and physical properties of chlorinated compounds, it is possible that contamination may have sunk and is present at greater depths within the aquifer as it moves downgradient.

5.1.2 Soil Vapor

Soil vapor sampling was conducted at Orly's Treehouse located at 1000 Shames Drive (Lot 935) in order to determine if vapor phase contaminants are present which may impact the indoor air quality at the child care facility on the property. Soil vapor points were placed at five locations around the property with shallow (8ft bgs) and deep (~55 ft bgs) samples collected at each location.

VOCs were detected in all soil vapor samples collected at the Site, including the ambient air sample. Specifically, 1,1,1-trichloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethly benzene, 2-butanone(MEK), 2,-hexanone(MBK), acetone, benzene, bromodichloromethane, carbon disulfide, cyclohexane, ethanol, ethylbenzene, methylene chloride, n-heptane, propene, xylenes, tetrachloroethene, toluene, and trichloroethene were detected in one or more of the samples. Tetrachloroethene (PCE) was identified at all of the soil vapor points with concentrations ranging from 17.9 $\mu g/m^3$ (SV-4 at 8ft) to 2,699 $\mu g/m^3$ observed in the deep sample at location SV-1 located at the northwest corner of the property. Trichloroethene was also observed at SV-1 with higher concentrations in the deeper sample (94.32 $\mu g/m^3$) than in the shallow sample (17.2 $\mu g/m^3$). The analytical results for the soil vapor samples are presented in Table 4-5 and Figure 4-2.

In general, VOC concentrations were higher or at the same order of magnitude in the deeper samples as compared to the shallow soil vapor samples. This suggests that contamination is likely originating from groundwater contamination beneath the property. A low concentration of PCE (2.8 $\mu g/L$) was detected in the groundwater sample collected at monitoring well CDM-MW-1 located at the north end of the property. The results of the soil vapor investigation suggest that there could be a potential for vapor intrusion into the building at 1000 Shames Drive as well as adjacent buildings.

5.2 Recommendations

Based upon the results of this investigation, groundwater and soil vapor contamination have been identified at the Site. Specifically, chlorinated solvent contamination in the groundwater has been confirmed to exist at the northeast and southeast edge of the Site. It is believed that the contamination observed at CDM-MW-2 and CDM-MW-6 is migrating onto the site from the upgradient Solvent Finishers site. It is recommended that additional groundwater sampling be conducted as part of future delineation efforts at the Solvent Finishers site to delineate the extent of that groundwater plume. It is recommended that vertical profiling of the

groundwater be included in that effort in order to adequately delineate any DNAPL that may be migrating from the Solvent Finishers Site.

In order to address potential soil vapor contamination near structures at 1000 Shames Drive, it is recommended that additional soil vapor intrusion investigation be done in that vicinity.

APPENDIX A

PHOTODOCUMENTATION

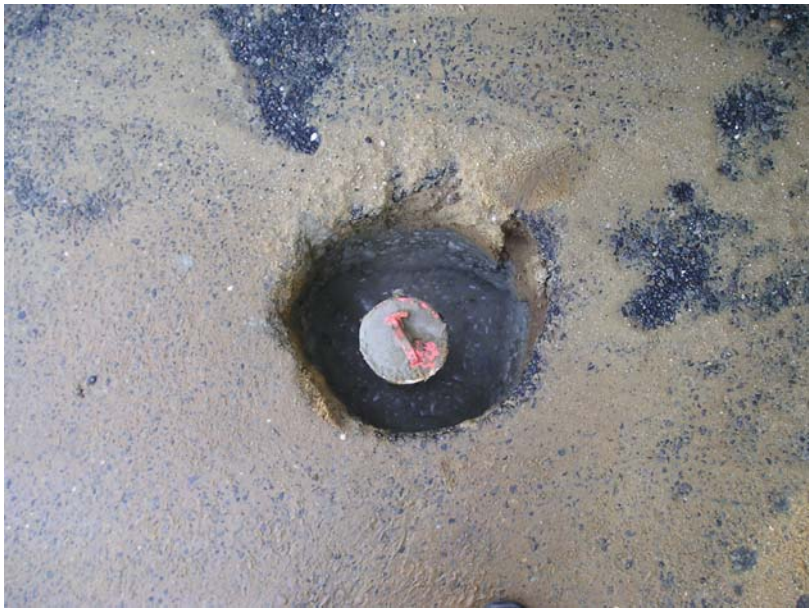


Drilling MW-3



Soil at MW-3





MW-4



Drilling MW-4



Soil at MW-4

APPENDIX B

BORING LOGS

PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO:

CDM-MW-1 Draft

STARTED: 4/21/08 COMPLETED: 4/22/08
DRILLING COMPANY: Delta Well and Pump
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Flush

NORTHING: Feet EASTING: Feet
ELEVATION: Feet M.P. ELEV:
WATER: 62.3 Feet TOTAL DEPTH: 72.0 Feet
LOGGED BY: W. Nathan Parker CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY SP, LI Zone
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
			Augered to 2'						
			No Recovery, rock in cutter		0	4 13 17 17			
5		SP	Yellowish-brown, medium sand with 10% gravel		0.8	6 10 10 16	0.9		
		SP	Light brown fine to medium sand with 20% gravel		0.8	8 10 11 13	2.3		
		SW	Light brown fine to medium sand with 35% gravel		0.8	3 4 7 8	0.9		
10		SP	Yellowish-brown, fine to medium sand with 20% gravel		1.2	7 9 10 10	0.3		
		SP	Yellowish-brown, fine to medium sand with 20% gravel		1.2	8 11 13 21	6.7		
15		SW	Light brown fine to coarse sand		0.8	7 8 12 15	1.4		
		SW	Light brown fine to coarse sand		1	8 5 9 10	8		
		SP	Light brown medium to coarse sand with 10% gravel		0.8	25 10 11 10	3.7		
20		SP	Light brown fine to medium sand		1	4 9 15 16	1.6		
		SW	Light brown fine to coarse sand with 5% gravel with lenses of orangish-brown		1	6 5 9 9	0.8		
25		SW	Light brown fine to coarse sand with 5% gravel with lenses of orangish-brown		1	13 11 20 12	0.1		Bentonite Cement
		SW	Light orangish-brown, fine to coarse sand with 25% gravel.		1.2	10 12 15 16	0.8		
		SW	Light orangish-brown, fine to coarse sand with 25% gravel.		1	11 24 16 17	0		
30									
35		SP	Light brown, medium to coarse sand with 30% gravel		1.3	4 13 15 15	0		

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DRAFT Monitoring Well Construction Log

PROJECT NO. D004437-11

NYSDEC 44TH ROAD MW LOG NYSDEC_SHAMES.GPJ NYSDEC.GDT 11/7/08 REV.

PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO:

CDM-MW-1 Draft

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
		SW	Light orangish-brown, fine to coarse sand with 30% gravel		0	6 8 8 21	0		
45		SW	Light orangish-brown, fine to coarse sand with 30% gravel		1.2	8 21 30 24	0		
50		SW	Light orangish-brown, fine to coarse sand with 30% gravel		1.4	7 11 18 18	0		- 1/4 Bentonite Pellets
55		SW	Light brown, medium to very coarse sand with 15% gravel		1.8	12 20 21 18	0		- #00 Filter Pack Sand
60		SW	Light brown, medium to very coarse sand with 15% gravel		1.7	15 40 40 30	0		
		SP	Light brown fine sand						- #1 Filter Pack Sand - No. 10 Slot PVC Screen
65		SP	Light brown fine sand		2	3 5 5 7	0		
70		SP	Light brown fine sand		2	5 6 8 8	0		
75									
80									

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PROJECT NO. D004437-11

PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO: **CDM-MW-2** Draft

STARTED: 4/24/08 COMPLETED: 4/24/08
DRILLING COMPANY: Delta Well and Pump
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Flush

NORTHING: Feet EASTING: Feet
ELEVATION: Feet M.P. ELEV:
WATER: 64 Feet TOTAL DEPTH: 75.0 Feet
LOGGED BY: W. Nathan Parker CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY SP, LI Zone
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
			Augered to 2'						
		SM	Dark brown silty sand with trace gravel		1.2	5 12 14 17	2.8		
5		SM	Dark brown silty sand with trace gravel		0.8	11 11 11 7	7.1		
		SM	Dark brown silty sand with trace gravel		0.3	5 11 13 13	9.9		
		SW	Light yellowish-brown fine to coarse sand, trace of gravel		1.2	3 6 6 7	23.6		
10		SW	Light yellowish-brown fine to coarse sand, trace of gravel		0.9	3 6 9 9	72.1		
		SP	Light brown fine sand		1.3	16 5 4 6	40.4		
15		SP	Light brown medium to coarse sand with trace gravel		1.3	3 7 12 13	7.8		
		SW	Light orangish-brown fine to coarse sand with trace gravel		1.3	9 16 17 17	3		
		SW	Light brown fine to medium sand with 5% gravel		1.3	5 7 12 13	1.9		
20		SW	Light orangish-brown sand medium to very coarse with 20% gravel		1.3	4 8 18 16	3.8		
		SP	Light orangish-brown fine and medium sand with 5% gravel		1.1	10 13 13 16	4.3		
25		SW	Orangish brown fine to coarse sand with 25% gravel		0.9	4 9 32 20	3.7		
		SW	Orangish brown fine to coarse sand with 25% gravel		0.8	7 12 22 21	2.3		Bentonite Cement
		SP	Light brown fine and medium sand with 30% gravel		0.8	20 12 17 19	6.3		
30									
35		SP	Light orangish-brown fine to medium sand with 10% gravel		1.2	10 18 21 24	1.9		

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PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO:

CDM-MW-2 Draft

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
		SP	Light orangish-brown fine to medium sand with 10% gravel		1.5	10 12 21 18	2.4		
45		SP	Light orangish-brown fine to medium sand with 10% gravel		1.3	30 20 21 27	0.2		
50		SP	Light orangish-brown fine to medium sand with 10% gravel		1.2	29 12 18 24	0.1		
55		SW	Light orangish-brown fine to coarse sand with 30% gravel		1.1	30 12 17 25	1.1		- 1/4 Bentonite Pellets - #00 Filter Pack Sand
60		SP	Light yellowish-brown fine to medium sand		1.5	9 11 12 20	2.8		
65		SP	▼ Light orangish-brown fine to medium sand		1.5	5 15 17 18	2.6		- #1 Filter Pack Sand - No. 10 Slot PVC Screen
70		SW	Light yellowish-brown fine to coarse sand		2	2 4 15 15	3.6		
		SW	Light yellowish-brown fine to coarse sand		2		1.3		
75									
80									

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NYSDEC 44TH ROAD MW LOG NYSDEC_SHAMES.GPJ NYSDEC.GDT 11/7/08 REV.

PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO:

CDM-MW-3 Draft

STARTED: 5/7/08 COMPLETED: 5/7/08
DRILLING COMPANY: Delta Well and Pump
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Flush

NORTHING: Feet EASTING: Feet
ELEVATION: Feet M.P. ELEV:
WATER: 22.3 Feet TOTAL DEPTH: 32.0 Feet
LOGGED BY: Frank Robinson CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY SP, LI Zone
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
			Augered to 2'						
		FILL	Black sand with gravel			16			
		SW	Brown fine to medium sand with 20% gravel		1.3	14 22	1.9		
		SP	White fine sand			15 10			
5		SM			1.5	5 9	1.8		Bentonite Cement
		SP	Light brown fine sandy silt			9 3			
		SP	Greenish-white fine sand			5 7			
		SM			1.3	7 11	1.8		
		SP	White fine sand			3 7			
		SP	Light brown sandy silt			7 5			
		SP			1.7	6 8	1.7		
		SM	White fine sand			8 8			
10		SP				6 7			
		SP	White fine sand to very light brownish white fine sand, wet at bottom		1	7 6	1.7		1/4 Bentonite Pellets
		SP				7 9			
		SP	White fine sand			9 6			
		SP	Light brown sandy silt		1.2	7 8	1.8		#00 Filter Pack Sand
		SP	Rusty red fine sand			9 20			
		SP	Black-reddish-black fine sand			10 9			
15		SP	Light brown fine sand		1.2	9 10	1.8		
			Light brown fine sand with rust red banding layers			5 8			
		SP	Light brown fine sand		1.4	8 3	1.5		
			Brown fine sand to light brown fine sand			4 6			
		SP	Brown and light brown and rust red layer-fine sand		1.7	8 10	1.4		
20			Light brown fine sand with rust red banding throughout			6 7			
		SP			1.5	9	1.6		
			Light brown fine sand with rust red banding and black mottling throughout						
		SP	Light brown fine sand with rust red banding throughout and black mottling bottom 5		1.5		0.9		#1 Filter Pack Sand
									No. 10 Slot PVC Screen
25		SP	Light brown fine sand with rust red banding throughout and black mottling		1.8		0.4		
			Light brown fine sand with rust red banding and black mottling throughout						
			Light brown fine sand						
			Light brown fine sand						
30			Light brown fine sand			6			
		SP			2	8 8	0.9		
						10			
35									

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PROJECT NO. D004437-11

NYSDEC 44TH ROAD MW LOG NYSDEC_SHAMES.GPJ NYSDEC.GDT 11/7/08 REV.

PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO:

CDM-MW-4 Draft

STARTED: 5/6/08 COMPLETED: 5/6/08
DRILLING COMPANY: Delta Well and Pump
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Flush

NORTHING: Feet EASTING: Feet
ELEVATION: Feet M.P. ELEV:
WATER: 29.8 Feet TOTAL DEPTH: 40.0 Feet
LOGGED BY: Frank Robinson CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY SP, LI Zone
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
		SP	Augered to 2'		2				
		FILL	Black sand			14			
		SP	Brownish white fine to medium sand with 20% gravel		1.4	10 15	2.5		
		FILL				14			
		FILL	Black sand			10			
5		SP	Brownish white fine to medium sand with 20% gravel		0.8	4 5	2.2		
		SP	Reddish white fine sand		1	8 6 4	2.3		
		SP	Light brown fine sand		1.1	11 7	1.2		- Bentonite Cement
10		SP	Rusty red banding			8 6			
		SP	Rust red fine sand			10			
		SP	Light brown fine sand to bottom 7 rust red banded layering		1.3	21 18	1.8		
		SP	Reddish brown fine sand		1.3	12 7 8	2.7		
		SP	Black banding			11 20			
15		SP	Reddish brown fine sand		1.5	10 7	0.7		
		SP	Light brown fine sand to bottom, 6 rust red banding with 0.5 silt layer		1.4	10 15 11 8	0.5		
		SP	Light brown fine sand		1.4	15 20 24 14	0.8		- 1/4 Bentonite Pellets
		SP	Brownish white fine sand			20			
20		SP	Brownish-white fine sand			20			
		SP	Brown fine sand		1.7	30 12	2.3		- #00 Filter Pack Sand
		SP	light brown fine sand			15 14			
		SP	Light brown fine sand with several 0.5 silt layers		1.7	40 35	2.3		
		ML	Brown fine sand			15 12			
		SP	Brownish white fine to medium sand with 10% gravel		1.3	35 14	1.2		
25		SP	Brownish-white silt layer			14 15			
		SP	Brownish-white fine to medium sand with 10% gravel		1.6	35 40 17	2.2		
		SP	Brown fine to medium sand with 10% gravel		1.5	20 60 40	2		
30			Light brown fine sand with several 0.25 silt layers (brown), bottom brown banding			20 25			- #1 Filter Pack Sand
			Light brown fine sand to brownish white fine sand						- No. 10 Slot PVC Screen
			Brownish white fine sand, several rust red bands, moist at bottom						
35		SP	Light brown fine to medium sand, bottom 2 red banding		1.8	3 6 14 18	1.7		
		SP	Light brown fine to medium sand		1.7	3 7 12	0.5		

NYSDEC 44TH ROAD MW LOG NYSDEC_SHAMES.GPJ NYSDEC.GDT 11/7/08 REV.

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DRAFT Monitoring Well Construction Log

PROJECT NO. D004437-11

PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO:

CDM-MW-4 Draft

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
						19			
45									
50									
55									
60									
65									
70									
75									
80									

CDM
Raritan Plaza I, Raritan Center
Edison NJ 08818
Telephone: 732.225.5000

DRAFT Monitoring Well Construction Log

PROJECT NO. D004437-11

NYSDEC 44TH ROAD MW LOG NYSDEC_SHAMES.GPJ NYSDEC.GDT 11/7/08 REV.

PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO:

CDM-MW-5 Draft

STARTED: 5/1/08 COMPLETED: 5/1/08
DRILLING COMPANY: Delta Well and Pump
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Flush

NORTHING: Feet EASTING: Feet
ELEVATION: Feet M.P. ELEV:
WATER: 30.4 Feet TOTAL DEPTH: 41.0 Feet
LOGGED BY: Frank Robinson CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY SP, LI Zone
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
		SP	Augered to 2'						
		SP	Black sand Brown fine to medium sand with 10% gravel		1.2	5 8 10	0.6		
5		SP	Brown fine to medium sand with 20% gravel		0.7	8 6 5 5 5	2.1		
		SP	Brownish-white fine to medium sand with 10% gravel		0.6	5 4 3 3 2	0		
		SP	Brownish-white fine sand		1.1	4 6 11	0.4		- Bentonite Cement
10		SP SP SP SP	Brownish-white fine sand, rust red banding Brownish-white fine sand, several rust red banding		1.3	2 8 10 11	2.6		
		SP	Brownish-white fine sand Brownish-white fine sand, rust red banding		1.3	4 8 12 16	0.3		
15		SP	Brownish-white fine sand with rust red banding throughout		1.4	5 8 11 12	0.3		
		SP	Brownish-white fine sand with rust red banding throughout Brownish-white fine sand with rust red banding throughout		1.3	5 10 11 12	0		
		SP	Brownish-white fine sand with rust red banding throughout		1.4	3 5 10 11	0		- 1/4 Bentonite Pellets
20		SP	Brownish-white fine sand with rust red banding throughout		1.4	7 5 7 9	0.3		- #00 Filter Pack Sand
		SP	Brownish white fine sand with rust red banding throughout, more banding 23 feet bgs		1.4	2 5 6 6	0.4		
25		SP	Brownish white fine sand with rust red banding throughout, less pronounced banding		1.4	2 4 7 8	1.7		
		SP	Brownish white fine sand with rust red banding throughout, pronounced red banding at top and bottom of split spoon		1.2	2 4 8 9	0.8		
		SP	Brownish white fine sand with rust red banding throughout, less pronounced banding, moist at bottom		1.2	3 7 10 12	0.4		
30			▼						- #1 Filter Pack Sand - No. 10 Slot PVC Screen
35		SP	Brownish white fine sand		1.7	2 4 10 17	3.4		
		SP	Brownish white fine sand			2			

NYSDEC 44TH ROAD MW LOG NYSDEC_SHAMES.GPJ NYSDEC.GDT 11/7/08 REV.

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DRAFT Monitoring Well Construction Log

PROJECT NO. D004437-11

PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO:

CDM-MW-5 Draft

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
		SP	Brownish white fine sand *(continued)*		1	3 4 4	3.5		

45
50
55
60
65
70
75
80

PROJECT: Shames Drive
LOCATION: Westbury, New York

Soil NO:

CDM-MW-6 Draft

STARTED: 4/29/08 COMPLETED: 4/29/08
DRILLING COMPANY: Delta Well and Pump
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Flush

NORTHING: Feet EASTING: Feet
ELEVATION: Feet M.P. ELEV:
WATER: 59 Feet TOTAL DEPTH: 69.0 Feet
LOGGED BY: Frank Robinson CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY SP, LI Zone
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
			Augered to 2'						
		SP	Brown fill to brownish white fine to medium sand with 10% gravel		1.1	5 8 8 11	0		
5		SP	Brownish-white fine to medium sand with 10% gravel with brown banding, some large pieces of gravel		0.8	2 6 10 10	0		
		SP	Brownish white fine to medium sand with 10% gravel, some large pieces of gravel		1.2	5 6 8 8	0		
		SP	Brownish white fine to medium sand with 10% gravel		1	2 9 15 18	0		
10		SP	Brownish-white fine to medium sand with 10% gravel, several brown banding		1	9 10 12 14	0		
		SP	Brownish white fine to medium sand with 10% gravel, several large pieces of gravel		1.2	5 9 13 13	0		
		SP	Reddish white fine to medium sand with 20% gravel		0.8	4 8 12 15	0		
15		SP	Brownish white fine to medium sand with 10% gravel		0.8	8 10 10 12	0		
		SP	Brownish white fine to medium sand with 10% gravel to brownish white fine to medium sand with 20% gravel		0.8	6 12 14 14	0		
20		SP	Light brown fine to medium sand with 10% gravel to brownish white fine to medium sand with 20% gravel		0.8	5 9 12 13	0		
		SP	Light brown fine to medium sand with 10% gravel		0.9	6 10 15 12	0		Bentonite Cement
25		SP	Light brown fine to medium sand with 20% gravel		1.2	8 8 12 12	0		
		SP	Light brown fine to medium sand with 10% gravel		1.2	5 11 12 20	0		
		SP	Light brown fine to medium sand with 10%		1	6 9 16 20	0		
30		GP	Light Brown gravel layer						
35		CL	Brownish red clay medium plasticity		1.2	10 3 3 6	0		

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DRAFT Monitoring Well Construction Log

PROJECT NO. D004437-11

NYSDEC 44TH ROAD MW LOG NYSDEC_SHAMES.GPJ NYSDEC.GDT 11/7/08 REV.

PROJECT: Shames Drive
LOCATION: Westbury, New York
Soil NO:

CDM-MW-6 Draft

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (Feet)	BLOW COUNTS	PID (ppm)	ELEV (ft)	WELL CONSTRUCTION
		SW	Reddish white fine sand, trace gravel		0.8	3 9 12 20	0		
45		SM	Reddish-brown silty sand		1.2	4 11 18 24	0		
		SP	Rusty red fine sand						
		SP	Fine to medium brownish white sand with 10% gravel						- 1/4 Bentonite Pellets
50		SP	Brownish white fine to medium sand with 10% gravel		1.1	6 15 24 26	0		- #00 Filter Pack Sand
55		SP	Brownish white fine sand with trace gravel		1	8 12 30 32	0		
60		SP	Brownish white fine sand with trace gravel		1.3	3 8 20 22	0		- #1 Filter Pack Sand - No. 10 Slot PVC Screen
		SP	Brownish white fine sand with trace gravel, saturated						
65		SP	Brownish white fine to medium sand with 20% gravel		1.2	12 21 30 30	0.6		
		GP							
		SP	Brownish-white gravel layer						
		SP	Brownish-white fine to medium sand with 20% gravel		1.3	8 19 21 25	0.8		
70			Brownish white fine to medium sand with 20% gravel						
75									
80									

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DRAFT Monitoring Well Construction Log

PROJECT NO. D004437-11

NYSDEC 44TH ROAD MW LOG NYSDEC_SHAMES.GPJ NYSDEC.GDT 11/7/08 REV.

APPENDIX C

WASTE DETERMINATION LETTER

AND

WASTE MANIFEST

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Hazardous Waste and Radiation Management
625 Broadway, Albany, NY 12233-7258
Phone:(518) 402-8594 • **FAX:**(518) 402-8646
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

June 19, 2008

Ms. Jessica R. Beattie, P.G.
CDM | consulting · engineering · construction · operations
Raritan Plaza I
Edison, NJ 08818-3142

Re: Hazardous Waste Determination Letter for drill cuttings and well development water
IDW - Shames Drive Industrial Park

Dear Ms. Beattie:

We have completed our review of the data submitted with your June 17, 2008, request, via e-mail, for a "contained-in" determination at the referenced project site.

Concentrations detected for individual VOCs were all significantly less than their current "contained-in" soil action levels and Land Disposal Restriction concentrations. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level. Concentrations for tetrachloroethene were below the soil and Groundwater "contained-in" action levels and the Land Disposal Restriction concentrations. Therefore, the seventy (70) 55-gallon drums (39 drums containing soil and 29 containing water) generated from the drill cuttings and well development water at the referenced project Site do not have to be managed as hazardous waste and can be transported off-site to Vexor Technology, Inc. located at Medina, Ohio.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-8594 or email me at hjwilkie@gw.dec.state.ny.us.

Sincerely,

Henry Wilkie
Environmental Engineer 1
Hazardous Waste Engineering Eastern Section

ecc: V. James, DER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N / A

Manifest Document No.: 28008

2. Page 1 of 1

3. Generator's Name and Mailing Address
NYSDEC-Region 2
625 Broadway, 11th Floor
Albany, NY 12233

4. Generator's Phone (518) 402-9621

Shames Drive Industrial Park
Westbury, NY 11590

5. Transporter 1 Company Name: Freehold Cartage, Inc.

6. US EPA ID Number: NJD054126164

A. State Transporter's ID

B. Transporter 1 Phone: (732)462-1001

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Vexor Technology, Inc.
955 West Smith Road
Medina, OH 44256

10. US EPA ID Number: OHD077772895

E. State Facility's ID

F. Facility's Phone: (330)721-9773

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil & Water Non-DOT Regulated Material S/L 585117-585514	68	DM	3,740	G
b. RCRA empty drum * 585515	1	DM	55	G
c. MIXED/ER				
d.				

G. Additional Descriptions for Materials Listed Above: w/o 45509

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a) VEX13355
* ONE RCRA empty drum with pin hole

NON-HAZARDOUS WASTE

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Frank Robinson
Signature: Frank Mi (con for NYSDEC)
Date: Month 06 Day 27 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: C. Roberts
Signature:
Date: Month 06 Day 27 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Tim Bran
Signature:
Date: Month 07 Day 02 Year 08

APPENDIX D

LAB DATA

APPENDIX E

DATA USABILITY SUMMARY REPORT (DUSR)

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive

Air Volatile Organic Analyses
Samples Collected: April 23, 2008
Samples Received: April 24, 2008
Laboratory: Spectrum Analytical
Sample Delivery Group: G0576 / SA77688
Laboratory Reference Numbers:

130173-SV1-8	Z0576-01	SA77688-01
130173-SV1-55	Z0576-02	SA77688-02
130173-SV1-55 DUP	Z0576-02 DUP	SA77688-02 DUP
130173-SV2-8	Z0576-03	SA77688-03
130173-SV2-55	Z0576-04	SA77688-04
130173-SV3-8	Z0576-05	SA77688-05
130173-AA	Z0576-06	SA77688-06
130173-SV3-55	Z0576-07	SA77688-07
130173-SV3355	Z0576-08	SA77688-08
130173-SV4-8	Z0576-09	SA77688-09
130173-SV4-55	Z0576-10	SA77688-10
130173-SV5-8	Z0576-11	SA77688-11
130173-SV5-55	Z0576-12	SA77688-12
130173-TB	Z0576-13	SA77688-13

Air samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
* - Calibrations
* - Laboratory Blanks
- Trip Blanks
- Field Blanks
* - Matrix Duplicate
* - Surrogate Compound Recoveries
* - Internal Standard Recoveries
- Laboratory Control Samples
* - Compound Identification
* - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The low recovery of ethanol in an LCS should be noted.

No other problems were detected with these samples.

Holding Times

All samples were analyzed within 14 days of collection.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

Surrogate Compound Recoveries

All surrogate compound recoveries were within the required quality assurance limits.

Calibrations

No problems were detected with the calibrations.

All RRF's were greater than 0.05.

Laboratory Control Sample

The recovery of ethanol (52%) in the 8050045-BS1 4/29 LCS was less than the quality assurance limit in the LCS associated with samples -02, -01, -03, -04, -05, -07, -08, -09, -10, -11 and -12.

The data fort this compound were flagged with the "J" qualifier and are estimated values.

All of the other laboratory control sample recoveries were within the 70% - 130% required limits.

Matrix Duplicate

Sample 130173-SV1-55 (Z0576-02 / SA77688-02) was used as the matrix duplicate. All RPDs which could be accurately calculated were less than 20%.

Method Blanks

No compounds were detected in any of the method blanks.

Trip Blank

A low concentration of acetone, 0.009 ppbv, was detected in the trip blank. The concentrations of this compound in the sample were too high to be affected by the trip blank contamination.

Internal Standard Areas and Retention Times

All internal standard recoveries were within the required limits.

Sample Results

Sample 130173-AA (Z0576-06 / SA77688-06)

Very low concentrations of 1,1,2-trichlorotrifluoroethane (Freon 113) (0.007 ppbv), carbon tetrachloride (0.008 ppbv) and cyclohexane (0.006 ppbv) were reported in the EDD for this sample, but were not found in the raw data.

These compounds are less than the reporting limit and should not be included in the final reporting.

No other problems were found with the results of any of the samples of this delivery group.

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV1-8	SA77688-01	Propene	BRL	2.0000											
130173-SV1-8	SA77688-01	Dichlorodifluoromethane (Freon12)	BRL	2.0000											
130173-SV1-8	SA77688-01	Chloromethane	BRL	2.0000											
130173-SV1-8	SA77688-01	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.0000											
130173-SV1-8	SA77688-01	Vinyl chloride	BRL	2.0000											
130173-SV1-8	SA77688-01	1,3-Butadiene	BRL	2.0000											
130173-SV1-8	SA77688-01	Bromomethane	BRL	2.0000											
130173-SV1-8	SA77688-01	Chloroethane	BRL	2.0000											
130173-SV1-8	SA77688-01	Acetone	322.32	2.0000	322										
130173-SV1-8	SA77688-01	Trichlorofluoromethane (Freon 11)	BRL	2.0000											
130173-SV1-8	SA77688-01	Ethanol	40.920	2.0000	40.9				52%						
130173-SV1-8	SA77688-01	1,1-Dichloroethene	BRL	2.0000											
130173-SV1-8	SA77688-01	Methylene chloride	2.0800	2.0000	2.08										
130173-SV1-8	SA77688-01	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.0000											
130173-SV1-8	SA77688-01	Carbon disulfide	1.4800	2.0000	1.48										
130173-SV1-8	SA77688-01	trans-1,2-Dichloroethene	BRL	2.0000											
130173-SV1-8	SA77688-01	1,1-Dichloroethane	BRL	2.0000											
130173-SV1-8	SA77688-01	Methyl tert-butyl ether	BRL	2.0000											
130173-SV1-8	SA77688-01	Isopropyl alcohol	9.2000	2.0000	9.2										
130173-SV1-8	SA77688-01	2-Butanone (MEK)	113.08	2.0000	113										
130173-SV1-8	SA77688-01	cis-1,2-Dichloroethene	BRL	2.0000											
130173-SV1-8	SA77688-01	Hexane	8.8800	2.0000	8.88										
130173-SV1-8	SA77688-01	Ethyl acetate	BRL	2.0000											
130173-SV1-8	SA77688-01	Chloroform	BRL	2.0000											
130173-SV1-8	SA77688-01	Tetrahydrofuran	BRL	2.0000											
130173-SV1-8	SA77688-01	1,2-Dichloroethane	BRL	2.0000											
130173-SV1-8	SA77688-01	1,1,1-Trichloroethane	BRL	2.0000											
130173-SV1-8	SA77688-01	Benzene	3.2400	2.0000	3.24										
130173-SV1-8	SA77688-01	Carbon tetrachloride	BRL	2.0000											
130173-SV1-8	SA77688-01	Cyclohexane	8.5600	2.0000	8.56										
130173-SV1-8	SA77688-01	1,2-Dichloropropane	BRL	2.0000											
130173-SV1-8	SA77688-01	Bromodichloromethane	BRL	2.0000											
130173-SV1-8	SA77688-01	Trichloroethene	3.2000	2.0000	3.2										
130173-SV1-8	SA77688-01	n-Heptane	39.920	2.0000	39.9										
130173-SV1-8	SA77688-01	4-Methyl-2-pentanone (MIBK)	BRL	2.0000											
130173-SV1-8	SA77688-01	cis-1,3-Dichloropropene	BRL	2.0000											
130173-SV1-8	SA77688-01	trans-1,3-Dichloropropene	BRL	2.0000											
130173-SV1-8	SA77688-01	1,1,2-Trichloroethane	BRL	2.0000											
130173-SV1-8	SA77688-01	Toluene	104.96	2.0000	105										
130173-SV1-8	SA77688-01	2-Hexanone (MBK)	13.840	2.0000	13.8										
130173-SV1-8	SA77688-01	Dibromochloromethane	BRL	2.0000											
130173-SV1-8	SA77688-01	1,2-Dibromoethane (EDB)	BRL	2.0000											
130173-SV1-8	SA77688-01	Tetrachloroethene	106.24	2.0000	106										
130173-SV1-8	SA77688-01	Chlorobenzene	BRL	2.0000											
130173-SV1-8	SA77688-01	Ethylbenzene	4.4400	2.0000	4.44										
130173-SV1-8	SA77688-01	m,p-Xylene	12.400	4.0000	12.4										
130173-SV1-8	SA77688-01	Bromoform	BRL	2.0000											
130173-SV1-8	SA77688-01	Styrene	1.4400	2.0000	1.44										
130173-SV1-8	SA77688-01	o-Xylene	3.9200	2.0000	3.92										
130173-SV1-8	SA77688-01	1,1,2,2-Tetrachloroethane	BRL	2.0000											
130173-SV1-8	SA77688-01	1,3,5-Trimethylbenzene	1.3200	2.0000	1.32										
130173-SV1-8	SA77688-01	4-Ethyltoluene	BRL	2.0000											
130173-SV1-8	SA77688-01	1,2,4-Trimethylbenzene	3.8800	2.0000	3.88										
130173-SV1-8	SA77688-01	1,3-Dichlorobenzene	BRL	2.0000											
130173-SV1-8	SA77688-01	Benzyl chloride	BRL	2.0000											
130173-SV1-8	SA77688-01	1,4-Dichlorobenzene	BRL	2.0000											
130173-SV1-8	SA77688-01	1,2-Dichlorobenzene	BRL	2.0000											
130173-SV1-8	SA77688-01	1,2,4-Trichlorobenzene	BRL	2.0000											
130173-SV1-8	SA77688-01	Hexachlorobutadiene	BRL	2.0000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV1-55	SA77688-02	Propene	BRL	2.5000											
130173-SV1-55	SA77688-02	Dichlorodifluoromethane (Freon12)	BRL	2.5000											
130173-SV1-55	SA77688-02	Chloromethane	BRL	2.5000											
130173-SV1-55	SA77688-02	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000											
130173-SV1-55	SA77688-02	Vinyl chloride	BRL	2.5000											
130173-SV1-55	SA77688-02	1,3-Butadiene	BRL	2.5000											
130173-SV1-55	SA77688-02	Bromomethane	BRL	2.5000											
130173-SV1-55	SA77688-02	Chloroethane	BRL	2.5000											
130173-SV1-55	SA77688-02	Acetone	288.30	2.5000	288										
130173-SV1-55	SA77688-02	Trichlorofluoromethane (Freon 11)	BRL	2.5000											
130173-SV1-55	SA77688-02	Ethanol	52.500	2.5000	52.5				52%						
130173-SV1-55	SA77688-02	1,1-Dichloroethene	BRL	2.5000											
130173-SV1-55	SA77688-02	Methylene chloride	3.0500	2.5000	3.05										
130173-SV1-55	SA77688-02	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000											
130173-SV1-55	SA77688-02	Carbon disulfide	BRL	2.5000											
130173-SV1-55	SA77688-02	trans-1,2-Dichloroethene	BRL	2.5000											
130173-SV1-55	SA77688-02	1,1-Dichloroethane	BRL	2.5000											
130173-SV1-55	SA77688-02	Methyl tert-butyl ether	BRL	2.5000											
130173-SV1-55	SA77688-02	Isopropyl alcohol	5.7000	2.5000	5.7										
130173-SV1-55	SA77688-02	2-Butanone (MEK)	243.90	2.5000	244										
130173-SV1-55	SA77688-02	cis-1,2-Dichloroethene	BRL	2.5000											
130173-SV1-55	SA77688-02	Hexane	8.9500	2.5000	8.95										
130173-SV1-55	SA77688-02	Ethyl acetate	BRL	2.5000											
130173-SV1-55	SA77688-02	Chloroform	BRL	2.5000											
130173-SV1-55	SA77688-02	Tetrahydrofuran	1.7000	2.5000	1.7										
130173-SV1-55	SA77688-02	1,2-Dichloroethane	BRL	2.5000											
130173-SV1-55	SA77688-02	1,1,1-Trichloroethane	3.4500	2.5000	3.45										
130173-SV1-55	SA77688-02	Benzene	3.5000	2.5000	3.5										
130173-SV1-55	SA77688-02	Carbon tetrachloride	BRL	2.5000											
130173-SV1-55	SA77688-02	Cyclohexane	5.8000	2.5000	5.8										
130173-SV1-55	SA77688-02	1,2-Dichloropropane	BRL	2.5000											
130173-SV1-55	SA77688-02	Bromodichloromethane	BRL	2.5000											
130173-SV1-55	SA77688-02	Trichloroethene	17.550	2.5000	17.6										
130173-SV1-55	SA77688-02	n-Heptane	25.550	2.5000	25.6										
130173-SV1-55	SA77688-02	4-Methyl-2-pentanone (MIBK)	BRL	2.5000											
130173-SV1-55	SA77688-02	cis-1,3-Dichloropropene	BRL	2.5000											
130173-SV1-55	SA77688-02	trans-1,3-Dichloropropene	BRL	2.5000											
130173-SV1-55	SA77688-02	1,1,2-Trichloroethane	BRL	2.5000											
130173-SV1-55	SA77688-02	Toluene	68.950	2.5000	69										
130173-SV1-55	SA77688-02	2-Hexanone (MBK)	24.000	2.5000	24										
130173-SV1-55	SA77688-02	Dibromochloromethane	BRL	2.5000											
130173-SV1-55	SA77688-02	1,2-Dibromoethane (EDB)	BRL	2.5000											
130173-SV1-55	SA77688-02	Tetrachloroethene	398.10	2.5000	398										
130173-SV1-55	SA77688-02	Chlorobenzene	BRL	2.5000											
130173-SV1-55	SA77688-02	Ethylbenzene	4.0000	2.5000	4										
130173-SV1-55	SA77688-02	m,p-Xylene	12.750	5.0000	12.8										
130173-SV1-55	SA77688-02	Bromoform	BRL	2.5000											
130173-SV1-55	SA77688-02	Styrene	BRL	2.5000											
130173-SV1-55	SA77688-02	o-Xylene	3.7000	2.5000	3.7										
130173-SV1-55	SA77688-02	1,1,2,2-Tetrachloroethane	BRL	2.5000											
130173-SV1-55	SA77688-02	1,3,5-Trimethylbenzene	BRL	2.5000											
130173-SV1-55	SA77688-02	4-Ethyltoluene	BRL	2.5000											
130173-SV1-55	SA77688-02	1,2,4-Trimethylbenzene	2.6500	2.5000	2.65										
130173-SV1-55	SA77688-02	1,3-Dichlorobenzene	BRL	2.5000											
130173-SV1-55	SA77688-02	Benzyl chloride	BRL	2.5000											
130173-SV1-55	SA77688-02	1,4-Dichlorobenzene	BRL	2.5000											
130173-SV1-55	SA77688-02	1,2-Dichlorobenzene	BRL	2.5000											
130173-SV1-55	SA77688-02	1,2,4-Trichlorobenzene	BRL	2.5000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV2-8	SA77688-03	Propene	58.560	2.0000	58.6										
130173-SV2-8	SA77688-03	Dichlorodifluoromethane (Freon12)	BRL	2.0000											
130173-SV2-8	SA77688-03	Chloromethane	BRL	2.0000											
130173-SV2-8	SA77688-03	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.0000											
130173-SV2-8	SA77688-03	Vinyl chloride	BRL	2.0000											
130173-SV2-8	SA77688-03	1,3-Butadiene	BRL	2.0000											
130173-SV2-8	SA77688-03	Bromomethane	BRL	2.0000											
130173-SV2-8	SA77688-03	Chloroethane	BRL	2.0000											
130173-SV2-8	SA77688-03	Acetone	164.64	2.0000	165										
130173-SV2-8	SA77688-03	Trichlorofluoromethane (Freon 11)	BRL	2.0000											
130173-SV2-8	SA77688-03	Ethanol	49.400	2.0000	49.4				52%						
130173-SV2-8	SA77688-03	1,1-Dichloroethene	BRL	2.0000											
130173-SV2-8	SA77688-03	Methylene chloride	BRL	2.0000											
130173-SV2-8	SA77688-03	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.0000											
130173-SV2-8	SA77688-03	Carbon disulfide	BRL	2.0000											
130173-SV2-8	SA77688-03	trans-1,2-Dichloroethene	BRL	2.0000											
130173-SV2-8	SA77688-03	1,1-Dichloroethane	BRL	2.0000											
130173-SV2-8	SA77688-03	Methyl tert-butyl ether	BRL	2.0000											
130173-SV2-8	SA77688-03	Isopropyl alcohol	BRL	2.0000											
130173-SV2-8	SA77688-03	2-Butanone (MEK)	272.36	2.0000	272										
130173-SV2-8	SA77688-03	cis-1,2-Dichloroethene	BRL	2.0000											
130173-SV2-8	SA77688-03	Hexane	2.5600	2.0000	2.56										
130173-SV2-8	SA77688-03	Ethyl acetate	BRL	2.0000											
130173-SV2-8	SA77688-03	Chloroform	BRL	2.0000											
130173-SV2-8	SA77688-03	Tetrahydrofuran	BRL	2.0000											
130173-SV2-8	SA77688-03	1,2-Dichloroethane	BRL	2.0000											
130173-SV2-8	SA77688-03	1,1,1-Trichloroethane	BRL	2.0000											
130173-SV2-8	SA77688-03	Benzene	BRL	2.0000											
130173-SV2-8	SA77688-03	Carbon tetrachloride	BRL	2.0000											
130173-SV2-8	SA77688-03	Cyclohexane	BRL	2.0000											
130173-SV2-8	SA77688-03	1,2-Dichloropropane	BRL	2.0000											
130173-SV2-8	SA77688-03	Bromodichloromethane	BRL	2.0000											
130173-SV2-8	SA77688-03	Trichloroethene	BRL	2.0000											
130173-SV2-8	SA77688-03	n-Heptane	1.8400	2.0000	1.84										
130173-SV2-8	SA77688-03	4-Methyl-2-pentanone (MIBK)	BRL	2.0000											
130173-SV2-8	SA77688-03	cis-1,3-Dichloropropene	BRL	2.0000											
130173-SV2-8	SA77688-03	trans-1,3-Dichloropropene	BRL	2.0000											
130173-SV2-8	SA77688-03	1,1,2-Trichloroethane	BRL	2.0000											
130173-SV2-8	SA77688-03	Toluene	8.8000	2.0000	8.8										
130173-SV2-8	SA77688-03	2-Hexanone (MBK)	37.720	2.0000	37.7										
130173-SV2-8	SA77688-03	Dibromochloromethane	BRL	2.0000											
130173-SV2-8	SA77688-03	1,2-Dibromoethane (EDB)	BRL	2.0000											
130173-SV2-8	SA77688-03	Tetrachloroethene	8.7600	2.0000	8.76										
130173-SV2-8	SA77688-03	Chlorobenzene	BRL	2.0000											
130173-SV2-8	SA77688-03	Ethylbenzene	2.6800	2.0000	2.68										
130173-SV2-8	SA77688-03	m,p-Xylene	12.280	4.0000	12.3										
130173-SV2-8	SA77688-03	Bromoform	BRL	2.0000											
130173-SV2-8	SA77688-03	Styrene	BRL	2.0000											
130173-SV2-8	SA77688-03	o-Xylene	3.2800	2.0000	3.28										
130173-SV2-8	SA77688-03	1,1,2,2-Tetrachloroethane	BRL	2.0000											
130173-SV2-8	SA77688-03	1,3,5-Trimethylbenzene	1.5600	2.0000	1.56										
130173-SV2-8	SA77688-03	4-Ethyltoluene	BRL	2.0000											
130173-SV2-8	SA77688-03	1,2,4-Trimethylbenzene	4.2400	2.0000	4.24										
130173-SV2-8	SA77688-03	1,3-Dichlorobenzene	BRL	2.0000											
130173-SV2-8	SA77688-03	Benzyl chloride	BRL	2.0000											
130173-SV2-8	SA77688-03	1,4-Dichlorobenzene	BRL	2.0000											
130173-SV2-8	SA77688-03	1,2-Dichlorobenzene	BRL	2.0000											
130173-SV2-8	SA77688-03	1,2,4-Trichlorobenzene	BRL	2.0000											
130173-SV2-8	SA77688-03	Hexachlorobutadiene	BRL	2.0000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV2-55	SA77688-04	Propene	76.440	2.0000	76.4										
130173-SV2-55	SA77688-04	Dichlorodifluoromethane (Freon12)	BRL	2.0000											
130173-SV2-55	SA77688-04	Chloromethane	BRL	2.0000											
130173-SV2-55	SA77688-04	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.0000											
130173-SV2-55	SA77688-04	Vinyl chloride	BRL	2.0000											
130173-SV2-55	SA77688-04	1,3-Butadiene	BRL	2.0000											
130173-SV2-55	SA77688-04	Bromomethane	BRL	2.0000											
130173-SV2-55	SA77688-04	Chloroethane	BRL	2.0000											
130173-SV2-55	SA77688-04	Acetone	217.20	2.0000	217										
130173-SV2-55	SA77688-04	Trichlorofluoromethane (Freon 11)	BRL	2.0000											
130173-SV2-55	SA77688-04	Ethanol	59.240	2.0000	59.2				52%						
130173-SV2-55	SA77688-04	1,1-Dichloroethene	BRL	2.0000											
130173-SV2-55	SA77688-04	Methylene chloride	BRL	2.0000											
130173-SV2-55	SA77688-04	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.0000											
130173-SV2-55	SA77688-04	Carbon disulfide	BRL	2.0000											
130173-SV2-55	SA77688-04	trans-1,2-Dichloroethene	BRL	2.0000											
130173-SV2-55	SA77688-04	1,1-Dichloroethane	BRL	2.0000											
130173-SV2-55	SA77688-04	Methyl tert-butyl ether	BRL	2.0000											
130173-SV2-55	SA77688-04	Isopropyl alcohol	BRL	2.0000											
130173-SV2-55	SA77688-04	2-Butanone (MEK)	312.80	2.0000	313										
130173-SV2-55	SA77688-04	cis-1,2-Dichloroethene	BRL	2.0000											
130173-SV2-55	SA77688-04	Hexane	BRL	2.0000											
130173-SV2-55	SA77688-04	Ethyl acetate	BRL	2.0000											
130173-SV2-55	SA77688-04	Chloroform	BRL	2.0000											
130173-SV2-55	SA77688-04	Tetrahydrofuran	2.2800	2.0000	2.28										
130173-SV2-55	SA77688-04	1,2-Dichloroethane	BRL	2.0000											
130173-SV2-55	SA77688-04	1,1,1-Trichloroethane	BRL	2.0000											
130173-SV2-55	SA77688-04	Benzene	2.0800	2.0000	2.08										
130173-SV2-55	SA77688-04	Carbon tetrachloride	BRL	2.0000											
130173-SV2-55	SA77688-04	Cyclohexane	BRL	2.0000											
130173-SV2-55	SA77688-04	1,2-Dichloropropane	BRL	2.0000											
130173-SV2-55	SA77688-04	Bromodichloromethane	1.5600	2.0000	1.56										
130173-SV2-55	SA77688-04	Trichloroethene	BRL	2.0000											
130173-SV2-55	SA77688-04	n-Heptane	3.0800	2.0000	3.08										
130173-SV2-55	SA77688-04	4-Methyl-2-pentanone (MIBK)	BRL	2.0000											
130173-SV2-55	SA77688-04	cis-1,3-Dichloropropene	BRL	2.0000											
130173-SV2-55	SA77688-04	trans-1,3-Dichloropropene	BRL	2.0000											
130173-SV2-55	SA77688-04	1,1,2-Trichloroethane	BRL	2.0000											
130173-SV2-55	SA77688-04	Toluene	12.400	2.0000	12.4										
130173-SV2-55	SA77688-04	2-Hexanone (MBK)	35.440	2.0000	35.4										
130173-SV2-55	SA77688-04	Dibromochloromethane	BRL	2.0000											
130173-SV2-55	SA77688-04	1,2-Dibromoethane (EDB)	BRL	2.0000											
130173-SV2-55	SA77688-04	Tetrachloroethene	21.320	2.0000	21.3										
130173-SV2-55	SA77688-04	Chlorobenzene	BRL	2.0000											
130173-SV2-55	SA77688-04	Ethylbenzene	2.3600	2.0000	2.36										
130173-SV2-55	SA77688-04	m,p-Xylene	9.1200	4.0000	9.12										
130173-SV2-55	SA77688-04	Bromoform	BRL	2.0000											
130173-SV2-55	SA77688-04	Styrene	BRL	2.0000											
130173-SV2-55	SA77688-04	o-Xylene	2.2800	2.0000	2.28										
130173-SV2-55	SA77688-04	1,1,2,2-Tetrachloroethane	BRL	2.0000											
130173-SV2-55	SA77688-04	1,3,5-Trimethylbenzene	BRL	2.0000											
130173-SV2-55	SA77688-04	4-Ethyltoluene	BRL	2.0000											
130173-SV2-55	SA77688-04	1,2,4-Trimethylbenzene	BRL	2.0000											
130173-SV2-55	SA77688-04	1,3-Dichlorobenzene	BRL	2.0000											
130173-SV2-55	SA77688-04	Benzyl chloride	BRL	2.0000											
130173-SV2-55	SA77688-04	1,4-Dichlorobenzene	BRL	2.0000											
130173-SV2-55	SA77688-04	1,2-Dichlorobenzene	BRL	2.0000											
130173-SV2-55	SA77688-04	1,2,4-Trichlorobenzene	BRL	2.0000											
130173-SV2-55	SA77688-04	Hexachlorobutadiene	BRL	2.0000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV3-8	SA77688-05	Propene	80.250	2.5000	80.3										
130173-SV3-8	SA77688-05	Dichlorodifluoromethane (Freon12)	BRL	2.5000											
130173-SV3-8	SA77688-05	Chloromethane	BRL	2.5000											
130173-SV3-8	SA77688-05	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000											
130173-SV3-8	SA77688-05	Vinyl chloride	BRL	2.5000											
130173-SV3-8	SA77688-05	1,3-Butadiene	BRL	2.5000											
130173-SV3-8	SA77688-05	Bromomethane	BRL	2.5000											
130173-SV3-8	SA77688-05	Chloroethane	BRL	2.5000											
130173-SV3-8	SA77688-05	Acetone	192.10	2.5000	192										
130173-SV3-8	SA77688-05	Trichlorofluoromethane (Freon 11)	BRL	2.5000											
130173-SV3-8	SA77688-05	Ethanol	57.900	2.5000	57.9				52%						
130173-SV3-8	SA77688-05	1,1-Dichloroethene	BRL	2.5000											
130173-SV3-8	SA77688-05	Methylene chloride	BRL	2.5000											
130173-SV3-8	SA77688-05	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000											
130173-SV3-8	SA77688-05	Carbon disulfide	BRL	2.5000											
130173-SV3-8	SA77688-05	trans-1,2-Dichloroethene	BRL	2.5000											
130173-SV3-8	SA77688-05	1,1-Dichloroethane	BRL	2.5000											
130173-SV3-8	SA77688-05	Methyl tert-butyl ether	BRL	2.5000											
130173-SV3-8	SA77688-05	Isopropyl alcohol	BRL	2.5000											
130173-SV3-8	SA77688-05	2-Butanone (MEK)	285.60	2.5000	286										
130173-SV3-8	SA77688-05	cis-1,2-Dichloroethene	BRL	2.5000											
130173-SV3-8	SA77688-05	Hexane	2.8000	2.5000	2.8										
130173-SV3-8	SA77688-05	Ethyl acetate	BRL	2.5000											
130173-SV3-8	SA77688-05	Chloroform	BRL	2.5000											
130173-SV3-8	SA77688-05	Tetrahydrofuran	BRL	2.5000											
130173-SV3-8	SA77688-05	1,2-Dichloroethane	BRL	2.5000											
130173-SV3-8	SA77688-05	1,1,1-Trichloroethane	4.7000	2.5000	4.7										
130173-SV3-8	SA77688-05	Benzene	BRL	2.5000											
130173-SV3-8	SA77688-05	Carbon tetrachloride	BRL	2.5000											
130173-SV3-8	SA77688-05	Cyclohexane	BRL	2.5000											
130173-SV3-8	SA77688-05	1,2-Dichloropropane	BRL	2.5000											
130173-SV3-8	SA77688-05	Bromodichloromethane	BRL	2.5000											
130173-SV3-8	SA77688-05	Trichloroethene	BRL	2.5000											
130173-SV3-8	SA77688-05	n-Heptane	1.7000	2.5000	1.7										
130173-SV3-8	SA77688-05	4-Methyl-2-pentanone (MIBK)	BRL	2.5000											
130173-SV3-8	SA77688-05	cis-1,3-Dichloropropene	BRL	2.5000											
130173-SV3-8	SA77688-05	trans-1,3-Dichloropropene	BRL	2.5000											
130173-SV3-8	SA77688-05	1,1,2-Trichloroethane	BRL	2.5000											
130173-SV3-8	SA77688-05	Toluene	9.8000	2.5000	9.8										
130173-SV3-8	SA77688-05	2-Hexanone (MBK)	38.350	2.5000	38.4										
130173-SV3-8	SA77688-05	Dibromochloromethane	BRL	2.5000											
130173-SV3-8	SA77688-05	1,2-Dibromoethane (EDB)	BRL	2.5000											
130173-SV3-8	SA77688-05	Tetrachloroethene	34.500	2.5000	34.5										
130173-SV3-8	SA77688-05	Chlorobenzene	BRL	2.5000											
130173-SV3-8	SA77688-05	Ethylbenzene	2.8000	2.5000	2.8										
130173-SV3-8	SA77688-05	m,p-Xylene	12.550	5.0000	12.6										
130173-SV3-8	SA77688-05	Bromoform	BRL	2.5000											
130173-SV3-8	SA77688-05	Styrene	BRL	2.5000											
130173-SV3-8	SA77688-05	o-Xylene	3.4500	2.5000	3.45										
130173-SV3-8	SA77688-05	1,1,2,2-Tetrachloroethane	BRL	2.5000											
130173-SV3-8	SA77688-05	1,3,5-Trimethylbenzene	1.6000	2.5000	1.6										
130173-SV3-8	SA77688-05	4-Ethyltoluene	BRL	2.5000											
130173-SV3-8	SA77688-05	1,2,4-Trimethylbenzene	4.4500	2.5000	4.45										
130173-SV3-8	SA77688-05	1,3-Dichlorobenzene	BRL	2.5000											
130173-SV3-8	SA77688-05	Benzyl chloride	BRL	2.5000											
130173-SV3-8	SA77688-05	1,4-Dichlorobenzene	BRL	2.5000											
130173-SV3-8	SA77688-05	1,2-Dichlorobenzene	BRL	2.5000											
130173-SV3-8	SA77688-05	1,2,4-Trichlorobenzene	BRL	2.5000											
130173-SV3-8	SA77688-05	Hexachlorobutadiene	BRL	2.5000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-AA	SA77688-06	Propene	BRL	0.100											
130173-AA	SA77688-06	Dichlorodifluoromethane (Freon12)	0.690	0.100	0.69										
130173-AA	SA77688-06	Chloromethane	0.590	0.100	0.59										
130173-AA	SA77688-06	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.100											
130173-AA	SA77688-06	Vinyl chloride	BRL	0.100											
130173-AA	SA77688-06	1,3-Butadiene	BRL	0.100											
130173-AA	SA77688-06	Bromomethane	BRL	0.100											
130173-AA	SA77688-06	Chloroethane	BRL	0.100											
130173-AA	SA77688-06	Acetone	5.25	0.500	5.25										
130173-AA	SA77688-06	Trichlorofluoromethane (Freon 11)	0.220	0.100	0.22										
130173-AA	SA77688-06	Ethanol	5.41	0.500	5.41										
130173-AA	SA77688-06	1,1-Dichloroethene	BRL	0.100											
130173-AA	SA77688-06	Methylene chloride	0.240	0.100	0.24										
130173-AA	SA77688-06	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.0700	0.100										BRL	BRL
130173-AA	SA77688-06	Carbon disulfide	BRL	0.500											
130173-AA	SA77688-06	trans-1,2-Dichloroethene	BRL	0.100											
130173-AA	SA77688-06	1,1-Dichloroethane	BRL	0.100											
130173-AA	SA77688-06	Methyl tert-butyl ether	BRL	0.100											
130173-AA	SA77688-06	Isopropyl alcohol	0.650	0.500	0.65										
130173-AA	SA77688-06	2-Butanone (MEK)	0.610	0.100	0.61										
130173-AA	SA77688-06	cis-1,2-Dichloroethene	BRL	0.100											
130173-AA	SA77688-06	Hexane	0.230	0.100	0.23										
130173-AA	SA77688-06	Ethyl acetate	BRL	0.100											
130173-AA	SA77688-06	Chloroform	BRL	0.100											
130173-AA	SA77688-06	Tetrahydrofuran	BRL	0.100											
130173-AA	SA77688-06	1,2-Dichloroethane	BRL	0.100											
130173-AA	SA77688-06	1,1,1-Trichloroethane	BRL	0.100											
130173-AA	SA77688-06	Benzene	0.280	0.100	0.28										
130173-AA	SA77688-06	Carbon tetrachloride	0.0800	0.100										BRL	BRL
130173-AA	SA77688-06	Cyclohexane	0.0600	0.100										BRL	BRL
130173-AA	SA77688-06	1,2-Dichloropropane	BRL	0.100											
130173-AA	SA77688-06	Bromodichloromethane	BRL	0.100											
130173-AA	SA77688-06	Trichloroethene	BRL	0.100											
130173-AA	SA77688-06	n-Heptane	0.150	0.100	0.15										
130173-AA	SA77688-06	4-Methyl-2-pentanone (MIBK)	BRL	0.100											
130173-AA	SA77688-06	cis-1,3-Dichloropropene	BRL	0.100											
130173-AA	SA77688-06	trans-1,3-Dichloropropene	BRL	0.100											
130173-AA	SA77688-06	1,1,2-Trichloroethane	BRL	0.100											
130173-AA	SA77688-06	Toluene	1.52	0.100	1.52										
130173-AA	SA77688-06	2-Hexanone (MBK)	BRL	0.100											
130173-AA	SA77688-06	Dibromochloromethane	BRL	0.100											
130173-AA	SA77688-06	1,2-Dibromoethane (EDB)	BRL	0.100											
130173-AA	SA77688-06	Tetrachloroethene	0.150	0.100	0.15										
130173-AA	SA77688-06	Chlorobenzene	BRL	0.100											
130173-AA	SA77688-06	Ethylbenzene	0.140	0.100	0.14										
130173-AA	SA77688-06	m,p-Xylene	0.370	0.100	0.37										
130173-AA	SA77688-06	Bromoform	BRL	0.100											
130173-AA	SA77688-06	Styrene	BRL	0.100											
130173-AA	SA77688-06	o-Xylene	0.130	0.100	0.13										
130173-AA	SA77688-06	1,1,2,2-Tetrachloroethane	BRL	0.100											
130173-AA	SA77688-06	1,3,5-Trimethylbenzene	BRL	0.100											
130173-AA	SA77688-06	4-Ethyltoluene	BRL	0.100											
130173-AA	SA77688-06	1,2,4-Trimethylbenzene	0.130	0.100	0.13										
130173-AA	SA77688-06	1,3-Dichlorobenzene	BRL	0.100											
130173-AA	SA77688-06	Benzyl chloride	BRL	0.100											
130173-AA	SA77688-06	1,4-Dichlorobenzene	BRL	0.100											
130173-AA	SA77688-06	1,2-Dichlorobenzene	BRL	0.100											
130173-AA	SA77688-06	1,2,4-Trichlorobenzene	BRL	0.100											
130173-AA	SA77688-06	Hexachlorobutadiene	BRL	0.100											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV3-55	SA77688-07	Propene	63.300	2.5000	63.3										
130173-SV3-55	SA77688-07	Dichlorodifluoromethane (Freon12)	BRL	2.5000											
130173-SV3-55	SA77688-07	Chloromethane	BRL	2.5000											
130173-SV3-55	SA77688-07	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000											
130173-SV3-55	SA77688-07	Vinyl chloride	BRL	2.5000											
130173-SV3-55	SA77688-07	1,3-Butadiene	BRL	2.5000											
130173-SV3-55	SA77688-07	Bromomethane	BRL	2.5000											
130173-SV3-55	SA77688-07	Chloroethane	BRL	2.5000											
130173-SV3-55	SA77688-07	Acetone	63.000	2.5000	63										
130173-SV3-55	SA77688-07	Trichlorofluoromethane (Freon 11)	BRL	2.5000											
130173-SV3-55	SA77688-07	Ethanol	37.350	2.5000	37.4				52%						
130173-SV3-55	SA77688-07	1,1-Dichloroethene	BRL	2.5000											
130173-SV3-55	SA77688-07	Methylene chloride	BRL	2.5000											
130173-SV3-55	SA77688-07	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000											
130173-SV3-55	SA77688-07	Carbon disulfide	BRL	2.5000											
130173-SV3-55	SA77688-07	trans-1,2-Dichloroethene	BRL	2.5000											
130173-SV3-55	SA77688-07	1,1-Dichloroethane	BRL	2.5000											
130173-SV3-55	SA77688-07	Methyl tert-butyl ether	BRL	2.5000											
130173-SV3-55	SA77688-07	Isopropyl alcohol	BRL	2.5000											
130173-SV3-55	SA77688-07	2-Butanone (MEK)	204.65	2.5000	205										
130173-SV3-55	SA77688-07	cis-1,2-Dichloroethene	BRL	2.5000											
130173-SV3-55	SA77688-07	Hexane	BRL	2.5000											
130173-SV3-55	SA77688-07	Ethyl acetate	BRL	2.5000											
130173-SV3-55	SA77688-07	Chloroform	BRL	2.5000											
130173-SV3-55	SA77688-07	Tetrahydrofuran	BRL	2.5000											
130173-SV3-55	SA77688-07	1,2-Dichloroethane	BRL	2.5000											
130173-SV3-55	SA77688-07	1,1,1-Trichloroethane	3.2000	2.5000	3.2										
130173-SV3-55	SA77688-07	Benzene	1.6000	2.5000	1.6										
130173-SV3-55	SA77688-07	Carbon tetrachloride	BRL	2.5000											
130173-SV3-55	SA77688-07	Cyclohexane	BRL	2.5000											
130173-SV3-55	SA77688-07	1,2-Dichloropropane	BRL	2.5000											
130173-SV3-55	SA77688-07	Bromodichloromethane	BRL	2.5000											
130173-SV3-55	SA77688-07	Trichloroethene	BRL	2.5000											
130173-SV3-55	SA77688-07	n-Heptane	2.1000	2.5000	2.1										
130173-SV3-55	SA77688-07	4-Methyl-2-pentanone (MIBK)	BRL	2.5000											
130173-SV3-55	SA77688-07	cis-1,3-Dichloropropene	BRL	2.5000											
130173-SV3-55	SA77688-07	trans-1,3-Dichloropropene	BRL	2.5000											
130173-SV3-55	SA77688-07	1,1,2-Trichloroethane	BRL	2.5000											
130173-SV3-55	SA77688-07	Toluene	9.8000	2.5000	9.8										
130173-SV3-55	SA77688-07	2-Hexanone (MBK)	24.900	2.5000	24.9										
130173-SV3-55	SA77688-07	Dibromochloromethane	BRL	2.5000											
130173-SV3-55	SA77688-07	1,2-Dibromoethane (EDB)	BRL	2.5000											
130173-SV3-55	SA77688-07	Tetrachloroethene	28.800	2.5000	28.8										
130173-SV3-55	SA77688-07	Chlorobenzene	BRL	2.5000											
130173-SV3-55	SA77688-07	Ethylbenzene	2.3000	2.5000	2.3										
130173-SV3-55	SA77688-07	m,p-Xylene	9.4000	5.0000	9.4										
130173-SV3-55	SA77688-07	Bromoform	BRL	2.5000											
130173-SV3-55	SA77688-07	Styrene	BRL	2.5000											
130173-SV3-55	SA77688-07	o-Xylene	2.4000	2.5000	2.4										
130173-SV3-55	SA77688-07	1,1,2,2-Tetrachloroethane	BRL	2.5000											
130173-SV3-55	SA77688-07	1,3,5-Trimethylbenzene	BRL	2.5000											
130173-SV3-55	SA77688-07	4-Ethyltoluene	BRL	2.5000											
130173-SV3-55	SA77688-07	1,2,4-Trimethylbenzene	2.4000	2.5000	2.4										
130173-SV3-55	SA77688-07	1,3-Dichlorobenzene	BRL	2.5000											
130173-SV3-55	SA77688-07	Benzyl chloride	BRL	2.5000											
130173-SV3-55	SA77688-07	1,4-Dichlorobenzene	BRL	2.5000											
130173-SV3-55	SA77688-07	1,2-Dichlorobenzene	BRL	2.5000											
130173-SV3-55	SA77688-07	1,2,4-Trichlorobenzene	BRL	2.5000											
130173-SV3-55	SA77688-07	Hexachlorobutadiene	BRL	2.5000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV33-55	SA77688-08	Propene	82.650	2.5000	82.7										
130173-SV33-55	SA77688-08	Dichlorodifluoromethane (Freon12)	BRL	2.5000											
130173-SV33-55	SA77688-08	Chloromethane	BRL	2.5000											
130173-SV33-55	SA77688-08	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000											
130173-SV33-55	SA77688-08	Vinyl chloride	BRL	2.5000											
130173-SV33-55	SA77688-08	1,3-Butadiene	BRL	2.5000											
130173-SV33-55	SA77688-08	Bromomethane	BRL	2.5000											
130173-SV33-55	SA77688-08	Chloroethane	BRL	2.5000											
130173-SV33-55	SA77688-08	Acetone	165.40	2.5000	165										
130173-SV33-55	SA77688-08	Trichlorofluoromethane (Freon 11)	BRL	2.5000											
130173-SV33-55	SA77688-08	Ethanol	50.350	2.5000	50.4				52%						
130173-SV33-55	SA77688-08	1,1-Dichloroethene	BRL	2.5000											
130173-SV33-55	SA77688-08	Methylene chloride	BRL	2.5000											
130173-SV33-55	SA77688-08	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000											
130173-SV33-55	SA77688-08	Carbon disulfide	BRL	2.5000											
130173-SV33-55	SA77688-08	trans-1,2-Dichloroethene	BRL	2.5000											
130173-SV33-55	SA77688-08	1,1-Dichloroethane	BRL	2.5000											
130173-SV33-55	SA77688-08	Methyl tert-butyl ether	BRL	2.5000											
130173-SV33-55	SA77688-08	Isopropyl alcohol	BRL	2.5000											
130173-SV33-55	SA77688-08	2-Butanone (MEK)	262.00	2.5000	262										
130173-SV33-55	SA77688-08	cis-1,2-Dichloroethene	BRL	2.5000											
130173-SV33-55	SA77688-08	Hexane	3.5500	2.5000	3.55										
130173-SV33-55	SA77688-08	Ethyl acetate	BRL	2.5000											
130173-SV33-55	SA77688-08	Chloroform	BRL	2.5000											
130173-SV33-55	SA77688-08	Tetrahydrofuran	BRL	2.5000											
130173-SV33-55	SA77688-08	1,2-Dichloroethane	BRL	2.5000											
130173-SV33-55	SA77688-08	1,1,1-Trichloroethane	3.2000	2.5000	3.2										
130173-SV33-55	SA77688-08	Benzene	1.7000	2.5000	1.7										
130173-SV33-55	SA77688-08	Carbon tetrachloride	BRL	2.5000											
130173-SV33-55	SA77688-08	Cyclohexane	BRL	2.5000											
130173-SV33-55	SA77688-08	1,2-Dichloropropane	BRL	2.5000											
130173-SV33-55	SA77688-08	Bromodichloromethane	BRL	2.5000											
130173-SV33-55	SA77688-08	Trichloroethene	BRL	2.5000											
130173-SV33-55	SA77688-08	n-Heptane	2.2000	2.5000	2.2										
130173-SV33-55	SA77688-08	4-Methyl-2-pentanone (MIBK)	BRL	2.5000											
130173-SV33-55	SA77688-08	cis-1,3-Dichloropropene	BRL	2.5000											
130173-SV33-55	SA77688-08	trans-1,3-Dichloropropene	BRL	2.5000											
130173-SV33-55	SA77688-08	1,1,2-Trichloroethane	BRL	2.5000											
130173-SV33-55	SA77688-08	Toluene	10.250	2.5000	10.3										
130173-SV33-55	SA77688-08	2-Hexanone (MBK)	31.500	2.5000	31.5										
130173-SV33-55	SA77688-08	Dibromochloromethane	BRL	2.5000											
130173-SV33-55	SA77688-08	1,2-Dibromoethane (EDB)	BRL	2.5000											
130173-SV33-55	SA77688-08	Tetrachloroethene	28.400	2.5000	28.4										
130173-SV33-55	SA77688-08	Chlorobenzene	BRL	2.5000											
130173-SV33-55	SA77688-08	Ethylbenzene	2.4000	2.5000	2.4										
130173-SV33-55	SA77688-08	m,p-Xylene	9.5500	5.0000	9.55										
130173-SV33-55	SA77688-08	Bromoform	BRL	2.5000											
130173-SV33-55	SA77688-08	Styrene	BRL	2.5000											
130173-SV33-55	SA77688-08	o-Xylene	2.4500	2.5000	2.45										
130173-SV33-55	SA77688-08	1,1,2,2-Tetrachloroethane	BRL	2.5000											
130173-SV33-55	SA77688-08	1,3,5-Trimethylbenzene	BRL	2.5000											
130173-SV33-55	SA77688-08	4-Ethyltoluene	BRL	2.5000											
130173-SV33-55	SA77688-08	1,2,4-Trimethylbenzene	2.4500	2.5000	2.45										
130173-SV33-55	SA77688-08	1,3-Dichlorobenzene	BRL	2.5000											
130173-SV33-55	SA77688-08	Benzyl chloride	BRL	2.5000											
130173-SV33-55	SA77688-08	1,4-Dichlorobenzene	BRL	2.5000											
130173-SV33-55	SA77688-08	1,2-Dichlorobenzene	BRL	2.5000											
130173-SV33-55	SA77688-08	1,2,4-Trichlorobenzene	BRL	2.5000											
130173-SV33-55	SA77688-08	Hexachlorobutadiene	BRL	2.5000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV4-8	SA77688-09	Propene	51.680	2.0000	51.7										
130173-SV4-8	SA77688-09	Dichlorodifluoromethane (Freon12)	BRL	2.0000											
130173-SV4-8	SA77688-09	Chloromethane	BRL	2.0000											
130173-SV4-8	SA77688-09	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.0000											
130173-SV4-8	SA77688-09	Vinyl chloride	BRL	2.0000											
130173-SV4-8	SA77688-09	1,3-Butadiene	BRL	2.0000											
130173-SV4-8	SA77688-09	Bromomethane	BRL	2.0000											
130173-SV4-8	SA77688-09	Chloroethane	BRL	2.0000											
130173-SV4-8	SA77688-09	Acetone	100.16	2.0000	100										
130173-SV4-8	SA77688-09	Trichlorofluoromethane (Freon 11)	BRL	2.0000											
130173-SV4-8	SA77688-09	Ethanol	33.160	2.0000	33.2				52%						
130173-SV4-8	SA77688-09	1,1-Dichloroethene	BRL	2.0000											
130173-SV4-8	SA77688-09	Methylene chloride	BRL	2.0000											
130173-SV4-8	SA77688-09	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.0000											
130173-SV4-8	SA77688-09	Carbon disulfide	BRL	2.0000											
130173-SV4-8	SA77688-09	trans-1,2-Dichloroethene	BRL	2.0000											
130173-SV4-8	SA77688-09	1,1-Dichloroethane	BRL	2.0000											
130173-SV4-8	SA77688-09	Methyl tert-butyl ether	BRL	2.0000											
130173-SV4-8	SA77688-09	Isopropyl alcohol	4.7200	2.0000	4.72										
130173-SV4-8	SA77688-09	2-Butanone (MEK)	160.12	2.0000	160										
130173-SV4-8	SA77688-09	cis-1,2-Dichloroethene	BRL	2.0000											
130173-SV4-8	SA77688-09	Hexane	BRL	2.0000											
130173-SV4-8	SA77688-09	Ethyl acetate	BRL	2.0000											
130173-SV4-8	SA77688-09	Chloroform	BRL	2.0000											
130173-SV4-8	SA77688-09	Tetrahydrofuran	BRL	2.0000											
130173-SV4-8	SA77688-09	1,2-Dichloroethane	BRL	2.0000											
130173-SV4-8	SA77688-09	1,1,1-Trichloroethane	BRL	2.0000											
130173-SV4-8	SA77688-09	Benzene	1.4400	2.0000	1.44										
130173-SV4-8	SA77688-09	Carbon tetrachloride	BRL	2.0000											
130173-SV4-8	SA77688-09	Cyclohexane	BRL	2.0000											
130173-SV4-8	SA77688-09	1,2-Dichloropropane	BRL	2.0000											
130173-SV4-8	SA77688-09	Bromodichloromethane	BRL	2.0000											
130173-SV4-8	SA77688-09	Trichloroethene	BRL	2.0000											
130173-SV4-8	SA77688-09	n-Heptane	2.1200	2.0000	2.12										
130173-SV4-8	SA77688-09	4-Methyl-2-pentanone (MIBK)	BRL	2.0000											
130173-SV4-8	SA77688-09	cis-1,3-Dichloropropene	BRL	2.0000											
130173-SV4-8	SA77688-09	trans-1,3-Dichloropropene	BRL	2.0000											
130173-SV4-8	SA77688-09	1,1,2-Trichloroethane	BRL	2.0000											
130173-SV4-8	SA77688-09	Toluene	7.8000	2.0000	7.8										
130173-SV4-8	SA77688-09	2-Hexanone (MBK)	23.920	2.0000	23.9										
130173-SV4-8	SA77688-09	Dibromochloromethane	BRL	2.0000											
130173-SV4-8	SA77688-09	1,2-Dibromoethane (EDB)	BRL	2.0000											
130173-SV4-8	SA77688-09	Tetrachloroethene	2.6400	2.0000	2.64										
130173-SV4-8	SA77688-09	Chlorobenzene	BRL	2.0000											
130173-SV4-8	SA77688-09	Ethylbenzene	1.8800	2.0000	1.88										
130173-SV4-8	SA77688-09	m,p-Xylene	7.3600	4.0000	7.36										
130173-SV4-8	SA77688-09	Bromoform	BRL	2.0000											
130173-SV4-8	SA77688-09	Styrene	BRL	2.0000											
130173-SV4-8	SA77688-09	o-Xylene	1.7600	2.0000	1.76										
130173-SV4-8	SA77688-09	1,1,2,2-Tetrachloroethane	BRL	2.0000											
130173-SV4-8	SA77688-09	1,3,5-Trimethylbenzene	BRL	2.0000											
130173-SV4-8	SA77688-09	4-Ethyltoluene	BRL	2.0000											
130173-SV4-8	SA77688-09	1,2,4-Trimethylbenzene	BRL	2.0000											
130173-SV4-8	SA77688-09	1,3-Dichlorobenzene	BRL	2.0000											
130173-SV4-8	SA77688-09	Benzyl chloride	BRL	2.0000											
130173-SV4-8	SA77688-09	1,4-Dichlorobenzene	BRL	2.0000											
130173-SV4-8	SA77688-09	1,2-Dichlorobenzene	BRL	2.0000											
130173-SV4-8	SA77688-09	1,2,4-Trichlorobenzene	BRL	2.0000											
130173-SV4-8	SA77688-09	Hexachlorobutadiene	BRL	2.0000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV4-55	SA77688-10	Propene	73.550	2.5000	73.6										
130173-SV4-55	SA77688-10	Dichlorodifluoromethane (Freon12)	BRL	2.5000											
130173-SV4-55	SA77688-10	Chloromethane	BRL	2.5000											
130173-SV4-55	SA77688-10	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000											
130173-SV4-55	SA77688-10	Vinyl chloride	BRL	2.5000											
130173-SV4-55	SA77688-10	1,3-Butadiene	BRL	2.5000											
130173-SV4-55	SA77688-10	Bromomethane	BRL	2.5000											
130173-SV4-55	SA77688-10	Chloroethane	BRL	2.5000											
130173-SV4-55	SA77688-10	Acetone	197.10	2.5000	197										
130173-SV4-55	SA77688-10	Trichlorofluoromethane (Freon 11)	BRL	2.5000											
130173-SV4-55	SA77688-10	Ethanol	43.000	2.5000	43				52%						
130173-SV4-55	SA77688-10	1,1-Dichloroethene	BRL	2.5000											
130173-SV4-55	SA77688-10	Methylene chloride	BRL	2.5000											
130173-SV4-55	SA77688-10	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000											
130173-SV4-55	SA77688-10	Carbon disulfide	BRL	2.5000											
130173-SV4-55	SA77688-10	trans-1,2-Dichloroethene	BRL	2.5000											
130173-SV4-55	SA77688-10	1,1-Dichloroethane	BRL	2.5000											
130173-SV4-55	SA77688-10	Methyl tert-butyl ether	BRL	2.5000											
130173-SV4-55	SA77688-10	Isopropyl alcohol	2.4000	2.5000	2.4										
130173-SV4-55	SA77688-10	2-Butanone (MEK)	208.75	2.5000	209										
130173-SV4-55	SA77688-10	cis-1,2-Dichloroethene	BRL	2.5000											
130173-SV4-55	SA77688-10	Hexane	BRL	2.5000											
130173-SV4-55	SA77688-10	Ethyl acetate	BRL	2.5000											
130173-SV4-55	SA77688-10	Chloroform	BRL	2.5000											
130173-SV4-55	SA77688-10	Tetrahydrofuran	1.8000	2.5000	1.8										
130173-SV4-55	SA77688-10	1,2-Dichloroethane	BRL	2.5000											
130173-SV4-55	SA77688-10	1,1,1-Trichloroethane	BRL	2.5000											
130173-SV4-55	SA77688-10	Benzene	2.5000	2.5000	2.5										
130173-SV4-55	SA77688-10	Carbon tetrachloride	BRL	2.5000											
130173-SV4-55	SA77688-10	Cyclohexane	2.2000	2.5000	2.2										
130173-SV4-55	SA77688-10	1,2-Dichloropropane	BRL	2.5000											
130173-SV4-55	SA77688-10	Bromodichloromethane	BRL	2.5000											
130173-SV4-55	SA77688-10	Trichloroethene	BRL	2.5000											
130173-SV4-55	SA77688-10	n-Heptane	10.450	2.5000	10.5										
130173-SV4-55	SA77688-10	4-Methyl-2-pentanone (MIBK)	BRL	2.5000											
130173-SV4-55	SA77688-10	cis-1,3-Dichloropropene	BRL	2.5000											
130173-SV4-55	SA77688-10	trans-1,3-Dichloropropene	BRL	2.5000											
130173-SV4-55	SA77688-10	1,1,2-Trichloroethane	BRL	2.5000											
130173-SV4-55	SA77688-10	Toluene	31.800	2.5000	31.8										
130173-SV4-55	SA77688-10	2-Hexanone (MBK)	28.300	2.5000	28.3										
130173-SV4-55	SA77688-10	Dibromochloromethane	BRL	2.5000											
130173-SV4-55	SA77688-10	1,2-Dibromoethane (EDB)	BRL	2.5000											
130173-SV4-55	SA77688-10	Tetrachloroethene	4.6500	2.5000	4.65										
130173-SV4-55	SA77688-10	Chlorobenzene	BRL	2.5000											
130173-SV4-55	SA77688-10	Ethylbenzene	2.8000	2.5000	2.8										
130173-SV4-55	SA77688-10	m,p-Xylene	10.300	5.0000	10.3										
130173-SV4-55	SA77688-10	Bromoform	BRL	2.5000											
130173-SV4-55	SA77688-10	Styrene	BRL	2.5000											
130173-SV4-55	SA77688-10	o-Xylene	2.7000	2.5000	2.7										
130173-SV4-55	SA77688-10	1,1,2,2-Tetrachloroethane	BRL	2.5000											
130173-SV4-55	SA77688-10	1,3,5-Trimethylbenzene	BRL	2.5000											
130173-SV4-55	SA77688-10	4-Ethyltoluene	BRL	2.5000											
130173-SV4-55	SA77688-10	1,2,4-Trimethylbenzene	2.5500	2.5000	2.55										
130173-SV4-55	SA77688-10	1,3-Dichlorobenzene	BRL	2.5000											
130173-SV4-55	SA77688-10	Benzyl chloride	BRL	2.5000											
130173-SV4-55	SA77688-10	1,4-Dichlorobenzene	BRL	2.5000											
130173-SV4-55	SA77688-10	1,2-Dichlorobenzene	BRL	2.5000											
130173-SV4-55	SA77688-10	1,2,4-Trichlorobenzene	BRL	2.5000											
130173-SV4-55	SA77688-10	Hexachlorobutadiene	BRL	2.5000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV5-8	SA77688-11	Propene	83.350	2.5000	83.4										
130173-SV5-8	SA77688-11	Dichlorodifluoromethane (Freon12)	BRL	2.5000											
130173-SV5-8	SA77688-11	Chloromethane	BRL	2.5000											
130173-SV5-8	SA77688-11	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000											
130173-SV5-8	SA77688-11	Vinyl chloride	BRL	2.5000											
130173-SV5-8	SA77688-11	1,3-Butadiene	BRL	2.5000											
130173-SV5-8	SA77688-11	Bromomethane	BRL	2.5000											
130173-SV5-8	SA77688-11	Chloroethane	BRL	2.5000											
130173-SV5-8	SA77688-11	Acetone	201.20	2.5000	201										
130173-SV5-8	SA77688-11	Trichlorofluoromethane (Freon 11)	BRL	2.5000											
130173-SV5-8	SA77688-11	Ethanol	73.650	2.5000	73.7				52%						
130173-SV5-8	SA77688-11	1,1-Dichloroethene	BRL	2.5000											
130173-SV5-8	SA77688-11	Methylene chloride	BRL	2.5000											
130173-SV5-8	SA77688-11	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000											
130173-SV5-8	SA77688-11	Carbon disulfide	BRL	2.5000											
130173-SV5-8	SA77688-11	trans-1,2-Dichloroethene	BRL	2.5000											
130173-SV5-8	SA77688-11	1,1-Dichloroethane	BRL	2.5000											
130173-SV5-8	SA77688-11	Methyl tert-butyl ether	BRL	2.5000											
130173-SV5-8	SA77688-11	Isopropyl alcohol	1.6500	2.5000	1.65										
130173-SV5-8	SA77688-11	2-Butanone (MEK)	385.75	2.5000	386										
130173-SV5-8	SA77688-11	cis-1,2-Dichloroethene	BRL	2.5000											
130173-SV5-8	SA77688-11	Hexane	BRL	2.5000											
130173-SV5-8	SA77688-11	Ethyl acetate	BRL	2.5000											
130173-SV5-8	SA77688-11	Chloroform	BRL	2.5000											
130173-SV5-8	SA77688-11	Tetrahydrofuran	BRL	2.5000											
130173-SV5-8	SA77688-11	1,2-Dichloroethane	BRL	2.5000											
130173-SV5-8	SA77688-11	1,1,1-Trichloroethane	BRL	2.5000											
130173-SV5-8	SA77688-11	Benzene	BRL	2.5000											
130173-SV5-8	SA77688-11	Carbon tetrachloride	BRL	2.5000											
130173-SV5-8	SA77688-11	Cyclohexane	BRL	2.5000											
130173-SV5-8	SA77688-11	1,2-Dichloropropane	BRL	2.5000											
130173-SV5-8	SA77688-11	Bromodichloromethane	BRL	2.5000											
130173-SV5-8	SA77688-11	Trichloroethene	BRL	2.5000											
130173-SV5-8	SA77688-11	n-Heptane	1.7000	2.5000	1.7										
130173-SV5-8	SA77688-11	4-Methyl-2-pentanone (MIBK)	BRL	2.5000											
130173-SV5-8	SA77688-11	cis-1,3-Dichloropropene	BRL	2.5000											
130173-SV5-8	SA77688-11	trans-1,3-Dichloropropene	BRL	2.5000											
130173-SV5-8	SA77688-11	1,1,2-Trichloroethane	BRL	2.5000											
130173-SV5-8	SA77688-11	Toluene	10.900	2.5000	10.9										
130173-SV5-8	SA77688-11	2-Hexanone (MBK)	55.700	2.5000	55.7										
130173-SV5-8	SA77688-11	Dibromochloromethane	BRL	2.5000											
130173-SV5-8	SA77688-11	1,2-Dibromoethane (EDB)	BRL	2.5000											
130173-SV5-8	SA77688-11	Tetrachloroethene	3.6000	2.5000	3.6										
130173-SV5-8	SA77688-11	Chlorobenzene	BRL	2.5000											
130173-SV5-8	SA77688-11	Ethylbenzene	3.1500	2.5000	3.15										
130173-SV5-8	SA77688-11	m,p-Xylene	14.150	5.0000	14.2										
130173-SV5-8	SA77688-11	Bromoform	BRL	2.5000											
130173-SV5-8	SA77688-11	Styrene	BRL	2.5000											
130173-SV5-8	SA77688-11	o-Xylene	3.8500	2.5000	3.85										
130173-SV5-8	SA77688-11	1,1,2,2-Tetrachloroethane	BRL	2.5000											
130173-SV5-8	SA77688-11	1,3,5-Trimethylbenzene	1.7500	2.5000	1.75										
130173-SV5-8	SA77688-11	4-Ethyltoluene	BRL	2.5000											
130173-SV5-8	SA77688-11	1,2,4-Trimethylbenzene	4.9500	2.5000	4.95										
130173-SV5-8	SA77688-11	1,3-Dichlorobenzene	BRL	2.5000											
130173-SV5-8	SA77688-11	Benzyl chloride	BRL	2.5000											
130173-SV5-8	SA77688-11	1,4-Dichlorobenzene	BRL	2.5000											
130173-SV5-8	SA77688-11	1,2-Dichlorobenzene	BRL	2.5000											
130173-SV5-8	SA77688-11	1,2,4-Trichlorobenzene	BRL	2.5000											
130173-SV5-8	SA77688-11	Hexachlorobutadiene	BRL	2.5000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-SV5-55	SA77688-12	Propene	54.900	2.5000	54.9										
130173-SV5-55	SA77688-12	Dichlorodifluoromethane (Freon12)	BRL	2.5000											
130173-SV5-55	SA77688-12	Chloromethane	BRL	2.5000											
130173-SV5-55	SA77688-12	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000											
130173-SV5-55	SA77688-12	Vinyl chloride	BRL	2.5000											
130173-SV5-55	SA77688-12	1,3-Butadiene	BRL	2.5000											
130173-SV5-55	SA77688-12	Bromomethane	BRL	2.5000											
130173-SV5-55	SA77688-12	Chloroethane	BRL	2.5000											
130173-SV5-55	SA77688-12	Acetone	127.65	2.5000	128										
130173-SV5-55	SA77688-12	Trichlorofluoromethane (Freon 11)	BRL	2.5000											
130173-SV5-55	SA77688-12	Ethanol	36.050	2.5000	36.1				52%						
130173-SV5-55	SA77688-12	1,1-Dichloroethene	BRL	2.5000											
130173-SV5-55	SA77688-12	Methylene chloride	BRL	2.5000											
130173-SV5-55	SA77688-12	1,1,2-Trichlorotrifluoroethane (Freon 113)	7.4500	2.5000	7.45										
130173-SV5-55	SA77688-12	Carbon disulfide	BRL	2.5000											
130173-SV5-55	SA77688-12	trans-1,2-Dichloroethene	BRL	2.5000											
130173-SV5-55	SA77688-12	1,1-Dichloroethane	BRL	2.5000											
130173-SV5-55	SA77688-12	Methyl tert-butyl ether	BRL	2.5000											
130173-SV5-55	SA77688-12	Isopropyl alcohol	BRL	2.5000											
130173-SV5-55	SA77688-12	2-Butanone (MEK)	216.75	2.5000	217										
130173-SV5-55	SA77688-12	cis-1,2-Dichloroethene	BRL	2.5000											
130173-SV5-55	SA77688-12	Hexane	4.6500	2.5000	4.65										
130173-SV5-55	SA77688-12	Ethyl acetate	BRL	2.5000											
130173-SV5-55	SA77688-12	Chloroform	BRL	2.5000											
130173-SV5-55	SA77688-12	Tetrahydrofuran	2.4500	2.5000	2.45										
130173-SV5-55	SA77688-12	1,2-Dichloroethane	BRL	2.5000											
130173-SV5-55	SA77688-12	1,1,1-Trichloroethane	BRL	2.5000											
130173-SV5-55	SA77688-12	Benzene	2.2500	2.5000	2.25										
130173-SV5-55	SA77688-12	Carbon tetrachloride	BRL	2.5000											
130173-SV5-55	SA77688-12	Cyclohexane	BRL	2.5000											
130173-SV5-55	SA77688-12	1,2-Dichloropropane	BRL	2.5000											
130173-SV5-55	SA77688-12	Bromodichloromethane	1.5500	2.5000	1.55										
130173-SV5-55	SA77688-12	Trichloroethene	BRL	2.5000											
130173-SV5-55	SA77688-12	n-Heptane	2.5500	2.5000	2.55										
130173-SV5-55	SA77688-12	4-Methyl-2-pentanone (MIBK)	BRL	2.5000											
130173-SV5-55	SA77688-12	cis-1,3-Dichloropropene	BRL	2.5000											
130173-SV5-55	SA77688-12	trans-1,3-Dichloropropene	BRL	2.5000											
130173-SV5-55	SA77688-12	1,1,2-Trichloroethane	BRL	2.5000											
130173-SV5-55	SA77688-12	Toluene	11.650	2.5000	11.7										
130173-SV5-55	SA77688-12	2-Hexanone (MBK)	27.950	2.5000	28										
130173-SV5-55	SA77688-12	Dibromochloromethane	BRL	2.5000											
130173-SV5-55	SA77688-12	1,2-Dibromoethane (EDB)	BRL	2.5000											
130173-SV5-55	SA77688-12	Tetrachloroethene	4.2500	2.5000	4.25										
130173-SV5-55	SA77688-12	Chlorobenzene	BRL	2.5000											
130173-SV5-55	SA77688-12	Ethylbenzene	2.3000	2.5000	2.3										
130173-SV5-55	SA77688-12	m,p-Xylene	8.8500	5.0000	8.85										
130173-SV5-55	SA77688-12	Bromoform	BRL	2.5000											
130173-SV5-55	SA77688-12	Styrene	BRL	2.5000											
130173-SV5-55	SA77688-12	o-Xylene	2.2000	2.5000	2.2										
130173-SV5-55	SA77688-12	1,1,2,2-Tetrachloroethane	BRL	2.5000											
130173-SV5-55	SA77688-12	1,3,5-Trimethylbenzene	BRL	2.5000											
130173-SV5-55	SA77688-12	4-Ethyltoluene	BRL	2.5000											
130173-SV5-55	SA77688-12	1,2,4-Trimethylbenzene	BRL	2.5000											
130173-SV5-55	SA77688-12	1,3-Dichlorobenzene	BRL	2.5000											
130173-SV5-55	SA77688-12	Benzyl chloride	BRL	2.5000											
130173-SV5-55	SA77688-12	1,4-Dichlorobenzene	BRL	2.5000											
130173-SV5-55	SA77688-12	1,2-Dichlorobenzene	BRL	2.5000											
130173-SV5-55	SA77688-12	1,2,4-Trichlorobenzene	BRL	2.5000											
130173-SV5-55	SA77688-12	Hexachlorobutadiene	BRL	2.5000											

SampleName	LabSampID	Analyte	ResPPBV	RLPPBV	DV Conc.	MB	Surr	MS	LCS	IC	MSB	CC	IS	DV Qual.	Comb Qual.
130173-TB	SA77688-13	Propene	BRL	0.100											
130173-TB	SA77688-13	Dichlorodifluoromethane (Freon12)	BRL	0.100											
130173-TB	SA77688-13	Chloromethane	BRL	0.100											
130173-TB	SA77688-13	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.100											
130173-TB	SA77688-13	Vinyl chloride	BRL	0.100											
130173-TB	SA77688-13	1,3-Butadiene	BRL	0.100											
130173-TB	SA77688-13	Bromomethane	BRL	0.100											
130173-TB	SA77688-13	Chloroethane	BRL	0.100											
130173-TB	SA77688-13	Acetone	0.0900	0.500	0.09										
130173-TB	SA77688-13	Trichlorofluoromethane (Freon 11)	BRL	0.100											
130173-TB	SA77688-13	Ethanol	BRL	0.500											
130173-TB	SA77688-13	1,1-Dichloroethene	BRL	0.100											
130173-TB	SA77688-13	Methylene chloride	BRL	0.100											
130173-TB	SA77688-13	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.100											
130173-TB	SA77688-13	Carbon disulfide	BRL	0.500											
130173-TB	SA77688-13	trans-1,2-Dichloroethene	BRL	0.100											
130173-TB	SA77688-13	1,1-Dichloroethane	BRL	0.100											
130173-TB	SA77688-13	Methyl tert-butyl ether	BRL	0.100											
130173-TB	SA77688-13	Isopropyl alcohol	BRL	0.500											
130173-TB	SA77688-13	2-Butanone (MEK)	BRL	0.100											
130173-TB	SA77688-13	cis-1,2-Dichloroethene	BRL	0.100											
130173-TB	SA77688-13	Hexane	BRL	0.100											
130173-TB	SA77688-13	Ethyl acetate	BRL	0.100											
130173-TB	SA77688-13	Chloroform	BRL	0.100											
130173-TB	SA77688-13	Tetrahydrofuran	BRL	0.100											
130173-TB	SA77688-13	1,2-Dichloroethane	BRL	0.100											
130173-TB	SA77688-13	1,1,1-Trichloroethane	BRL	0.100											
130173-TB	SA77688-13	Benzene	BRL	0.100											
130173-TB	SA77688-13	Carbon tetrachloride	BRL	0.100											
130173-TB	SA77688-13	Cyclohexane	BRL	0.100											
130173-TB	SA77688-13	1,2-Dichloropropane	BRL	0.100											
130173-TB	SA77688-13	Bromodichloromethane	BRL	0.100											
130173-TB	SA77688-13	Trichloroethene	BRL	0.100											
130173-TB	SA77688-13	n-Heptane	BRL	0.100											
130173-TB	SA77688-13	4-Methyl-2-pentanone (MIBK)	BRL	0.100											
130173-TB	SA77688-13	cis-1,3-Dichloropropene	BRL	0.100											
130173-TB	SA77688-13	trans-1,3-Dichloropropene	BRL	0.100											
130173-TB	SA77688-13	1,1,2-Trichloroethane	BRL	0.100											
130173-TB	SA77688-13	Toluene	BRL	0.100											
130173-TB	SA77688-13	2-Hexanone (MBK)	BRL	0.100											
130173-TB	SA77688-13	Dibromochloromethane	BRL	0.100											
130173-TB	SA77688-13	1,2-Dibromoethane (EDB)	BRL	0.100											
130173-TB	SA77688-13	Tetrachloroethene	BRL	0.100											
130173-TB	SA77688-13	Chlorobenzene	BRL	0.100											
130173-TB	SA77688-13	Ethylbenzene	BRL	0.100											
130173-TB	SA77688-13	m,p-Xylene	BRL	0.100											
130173-TB	SA77688-13	Bromoform	BRL	0.100											
130173-TB	SA77688-13	Styrene	BRL	0.100											
130173-TB	SA77688-13	o-Xylene	BRL	0.100											
130173-TB	SA77688-13	1,1,2,2-Tetrachloroethane	BRL	0.100											
130173-TB	SA77688-13	1,3,5-Trimethylbenzene	BRL	0.100											
130173-TB	SA77688-13	4-Ethyltoluene	BRL	0.100											
130173-TB	SA77688-13	1,2,4-Trimethylbenzene	BRL	0.100											
130173-TB	SA77688-13	1,3-Dichlorobenzene	BRL	0.100											
130173-TB	SA77688-13	Benzyl chloride	BRL	0.100											
130173-TB	SA77688-13	1,4-Dichlorobenzene	BRL	0.100											
130173-TB	SA77688-13	1,2-Dichlorobenzene	BRL	0.100											
130173-TB	SA77688-13	1,2,4-Trichlorobenzene	BRL	0.100											
130173-TB	SA77688-13	Hexachlorobutadiene	BRL	0.100											

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive

Air Volatile Organic Analyses
Samples Collected: April 23, 2008
Samples Received: April 24, 2008
Laboratory: Spectrum Analytical
Sample Delivery Group: G0576 / SA77688
Laboratory Reference Numbers:

130173-SV1-8	Z0576-01	SA77688-01
130173-SV1-55	Z0576-02	SA77688-02
130173-SV1-55 DUP	Z0576-02 DUP	SA77688-02 DUP
130173-SV2-8	Z0576-03	SA77688-03
130173-SV2-55	Z0576-04	SA77688-04
130173-SV3-8	Z0576-05	SA77688-05
130173-AA	Z0576-06	SA77688-06
130173-SV3-55	Z0576-07	SA77688-07
130173-SV3355	Z0576-08	SA77688-08
130173-SV4-8	Z0576-09	SA77688-09
130173-SV4-55	Z0576-10	SA77688-10
130173-SV5-8	Z0576-11	SA77688-11
130173-SV5-55	Z0576-12	SA77688-12
130173-TB	Z0576-13	SA77688-13

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: Air 1
Level: Low
Tune File ID: A28210.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: 0804025 **Date:** 4/4/2008 **Page:** 62 / 122
Associated Samples: QC 8050045, -02, -01, -03, -04, -05, -07, -08, -09, -10, -11, -12

CALIBRATION VERIFICATION:

Compound	Chloroform				Bromoform			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
0.5	226,803	1,176,401	3.856	3.856	128,491	3,223,810	0.797	0.797
2	677,624	1,180,589	2.870	2.870	474,469	3,236,396	0.733	0.733
5	1,596,242	1,172,987	2.722	2.722	1,290,681	3,236,829	0.797	0.797
10	3,135,432	1,175,368	2.668	2.668	2,789,933	3,233,628	0.863	0.863
20	6,201,488	1,188,324	2.609	2.609	5,951,266	3,277,206	0.908	0.908
25	9,094,833	1,160,867	3.134	3.134	9,398,212	3,053,207	1.231	1.231
50	17,561,004	1,139,793	3.081	3.081	18,675,336	3,120,458	1.197	1.197
100	33,848,978	1,111,470	3.045	3.045	36,778,654	3,232,219	1.138	1.138
Average			2.998	2.998			0.958	0.958
			Calc	**Reported**			**Calc**	**Reported**
%RSD			13.32%	13.32%			20.80%	20.80%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: Air 1
Level: Low
Tune File ID: A28210.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: A28210.D **Date:** 4/29/2008 **Page:** 177
Initial Calibration File ID: 0804025 **Date:** 4/4/2008 **Page:** 62
Associated Samples: QC 8050045, -02, -01, -03, -04, -05, -07, -08, -09, -10, -11, -12,

CALIBRATION VERIFICATION:

Compound	Trichloroethene				Isopropylbenzene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
50	2,283,872	6,534,647	0.350	0.350	8,997,677	3,365,845	2.673	2.673
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.334	**Calc**	**Reported**		2.667	**Calc**	**Reported**
			4.64	4.80			0.23	0.20

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: Air 1
Level: Low
Tune File ID: C01626.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: C01627.D **Date:** 5/2/2008 **Page:** 149
Associated Samples: QC-8050314, -06, -13

CALIBRATION VERIFICATION:

Compound	Benzene				Styrene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
0.1	134,876	603,939	22.333	22.330	75974	1,488,408	5.104	5.104
0.2	259,257	622,067	20.838	20.840	183,225	1,515,340	6.046	6.046
0.5	619,219	648,428	19.099	19.099	530,173	1,600,276	6.626	6.626
1	1,285,765	675,336	19.039	19.039	1,173,587	1,732,431	6.774	6.774
2	2,788,222	691,636	20.157	20.157	2,779,430	1,827,943	7.603	7.603
5	7,506,554	750,717	19.998	19.998	7,643,454	2,150,542	7.108	7.108
10	16,102,157	802,064	20.076	20.076	17,501,434	2,685,533	6.517	6.517
Average			20.220	20.020			6.540	6.540
			Calc	**Reported**			**Calc**	**Reported**
%RSD			5.56%	5.56%			12.20%	12.20%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: Air 1
Level: Low
Tune File ID: C01655.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: C01655.D **Date:** 5/2/2008 **Page:** 77 / 299
Initial Calibration File ID: 0804025 **Date:** 4/4/2008 **Page:** 149
Associated Samples: QC-8050314, -06, -13

CALIBRATION VERIFICATION:

Compound	Hexane				1,3-Dichlorobenzene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
2	2,485,405	903,506	13.754	13.754	4,593,459	2,347,040	9.786	9.670277
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		11.97723	**Calc**	**Reported**		10.209	**Calc**	**Reported**
			14.84	14.80			-4.15	5.30

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Shames Drive

Total Metals Analyses
Samples Collected: April 24, 2008
Samples Received: April 25, 2008
Sample Delivery Group: G0580
Laboratory Reference Number:

130173-MW-2-10-12	G0580-01

One soil sample was validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - Holding Times
* - Calibration Verification
- CRDL Standard
* - Laboratory Control Sample
- Serial Dilutions
* - Calibration Blanks
- Field Blanks
* - Preparation Blanks
- Matrix Spike
- Duplicate Analyses
* - ICP Interference Check Sample
* - Detection Limit Results
* - Linear Range
* - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

Matrix quality control data were not submitted with this sample.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

CRDL standard recoveries were not included in this SDG

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

A field blank was not collected with this sample.

ICP Interference Check Sample

No problems were detected with the reported ICP Interference Check Sample recoveries.

Matrix Spike Recovery

A matrix spike was not analyzed.

Duplicate Analysis

A matrix duplicate was not analyzed.

Laboratory Control Sample

No problems were detected with the recoveries of the LCS standards.

Serial Dilutions

A serial dilution was not analyzed.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

No other problems were detected with the data.

	ug/l	Dry mg/kg	Reported		% Solids	grams	ml
Sample G0580-01							
Aluminum	34,991.00	995.87	996	1.00	96.00	1.83	50
Antimony	3.30	0.09	0.085 B	1.10	96.00	1.83	50
Arsenic	36.80	1.05	1	1.05	96.00	1.83	50
Barium	293.80	8.36	8.4	1.00	96.00	1.83	50
Beryllium	2.50	0.07	0.072 B	0.99	96.00	1.83	50
Cadmium	-	-	0.14 U	-	96.00	1.83	50
Calcium	2,899.00	82.51	82.5	1.00	96.00	1.83	50
Chromium	206.20	5.87	5.9	0.99	96.00	1.83	50
Cobalt	72.60	2.07	2.1	0.98	96.00	1.83	50
Copper	80.20	2.28	2.3	0.99	96.00	1.83	50
Iron	90,833.00	2,585.18	2590	1.00	96.00	1.83	50
Lead	52.70	1.50	1.5	1.00	96.00	1.83	50
Magnesium	7,082.00	201.56	202	1.00	96.00	1.83	50
Manganese	1,958.80	55.75	55.8	1.00	96.00	1.83	50
Mercury	-	-	0.028 U	-	96.00	0.74	50
Nickel	71.20	2.03	2	1.01	96.00	1.83	50
Potassium	5,167.50	147.07	147	1.00	96.00	1.83	50
Selenium	**4.50**	0.13	0.085 B	1.51	96.00	1.83	50
Silver	-	-	0.85 U	-	96.00	1.83	50
Sodium	489.30	13.93	13.9 B	1.00	96.00	1.83	50
Thallium	3.30	0.09	0.093 B	1.01	96.00	1.83	50
Vanadium	73.50	2.09	2.1	1.00	96.00	1.83	50
Zinc	147.60	4.20	4.2	1.00	96.00	1.83	50

	chemical_name	result_value	lab_ qualifiers							laBJ_ qualifiers		result_ type_ code	detect_ flag
			Lab	DV				Ser.	DV	Lab			
		Conc.	Qual	Conc	CRDL	MS	Dup.	Dil.	Qual.	Qual			
130173-MW-2-10_12	Aluminum	996										TRG	Y
MW-2	Antimony	0.085	B									TRG	N
G0580-01B	Arsenic	1										TRG	Y
4/24/2008	Barium	8.4										TRG	Y
ug/kg	Beryllium	0.072	B									TRG	Y
	Cadmium	0.14	U									TRG	Y
	Calcium	82.5										TRG	Y
	Chromium	5.9										TRG	Y
	Cobalt	2.1										TRG	Y
	Copper	2.3										TRG	Y
	Iron	2590										TRG	Y
	Lead	1.5										TRG	Y
	Magnesium	202										TRG	Y
	Manganese	55.8										TRG	Y
	Mercury	0.028	U									TRG	Y
	Nickel	2										TRG	Y
	Potassium	147										TRG	Y
	Selenium	0.085	B									TRG	Y
	Silver	0.85	U									TRG	N
	Sodium	13.9	B									TRG	Y
	Thallium	0.093	B									TRG	N
	Vanadium	2.1										TRG	Y
	Zinc	4.2										TRG	Y

	chemical_name	reporting_ detection_ limit	dilution_ factor	sample_ matrix_ code	total_ or_ dissolved	basis	analysis_ date	analysis_ time	method_ detection_ limit
130173-MW-2-10_12	Aluminum	200	1	WG	T	NA	12/04/2007	11:10	37.0
MW-2	Antimony	20	1	WG	T	NA	12/04/2007	11:10	4.4
G0580-01B	Arsenic	20	1	WG	T	NA	12/04/2007	11:10	2.5
4/24/2008	Barium	200	1	WG	T	NA	12/04/2007	11:10	11.0
ug/kg	Beryllium	5.0	1	WG	T	NA	12/04/2007	11:10	0.051
	Cadmium	5.0	1	WG	T	NA	12/05/2007	15:57	0.11
	Calcium	800	1	WG	T	NA	12/04/2007	11:10	99.0
	Chromium	20	1	WG	T	NA	12/04/2007	11:10	0.22
	Cobalt	50	1	WG	T	NA	12/04/2007	11:10	0.068
	Copper	30	1	WG	T	NA	12/04/2007	11:10	1.7
	Iron	200	1	WG	T	NA	12/04/2007	11:10	89.0
	Lead	10	1	WG	T	NA	12/04/2007	11:10	1.2
	Magnesium	500	1	WG	T	NA	12/04/2007	11:10	7.9
	Manganese	50	1	WG	T	NA	12/04/2007	11:10	1.8
	Mercury	0.20	1	WG	T	NA	12/03/2007	10:34	0.11
	Nickel	50	1	WG	T	NA	12/04/2007	11:10	0.22
	Potassium	1000	1	WG	T	NA	12/05/2007	11:53	36.0
	Selenium	30	1	WG	T	NA	12/04/2007	11:10	5.2
	Silver	30	1	WG	T	NA	12/04/2007	11:10	1.2
	Sodium	20000	20	WG	T	NA	12/05/2007	10:50	1300
	Thallium	20	1	WG	T	NA	12/04/2007	11:10	2.8
	Vanadium	50	1	WG	T	NA	12/04/2007	11:10	0.40
	Zinc	50	1	WG	T	NA	12/04/2007	11:10	3.3

	chemical_name	lab_prep_ method_ name	prep_dat e	prep_ti me	test_ batch_i d	result_er ror	TIC_retention _time	qc_ level	result_ comment	parent_ sample_ code
130173-MW-2-10_12	Aluminum	SW3005	11/30/200	10:05					NONE	
MW-2	Antimony	SW3005	11/30/200	10:05					NONE	
G0580-01B	Arsenic	SW3005	11/30/200	10:05					NONE	
4/24/2008	Barium	SW3005	11/30/200	10:05					NONE	
ug/kg	Beryllium	SW3005	11/30/200	10:05					NONE	
	Cadmium	SW3005	11/30/200	10:05					NONE	
	Calcium	SW3005	11/30/200	10:05					NONE	
	Chromium	SW3005	11/30/200	10:05					NONE	
	Cobalt	SW3005	11/30/200	10:05					NONE	
	Copper	SW3005	11/30/200	10:05					NONE	
	Iron	SW3005	11/30/200	10:05					NONE	
	Lead	SW3005	11/30/200	10:05					NONE	
	Magnesium	SW3005	11/30/200	10:05					NONE	
	Manganese	SW3005	11/30/200	10:05					NONE	
	Mercury	METHOD	11/30/200	12:00					NONE	
	Nickel	SW3005	11/30/200	10:05					NONE	
	Potassium	SW3005	11/30/200	10:05					NONE	
	Selenium	SW3005	11/30/200	10:05					NONE	
	Silver	SW3005	11/30/200	10:05					NONE	
	Sodium	SW3005	11/30/200	10:05					NONE	
	Thallium	SW3005	11/30/200	10:05					NONE	
	Vanadium	SW3005	11/30/200	10:05					NONE	
	Zinc	SW3005	11/30/200	10:05					NONE	

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive

Soil Semivolatile Organic Analyses – Method SW8260
Samples Collected: April 24, 2008
Samples Received: April 25, 2008
Sample Delivery Group: G0580
Laboratory Reference Number:

130173-MW-2-10-12 G0580-01

SEMIVOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: S1
Level: Low
Tune File ID: S1F6640.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: S1F6641.D **Date:** 5/8/2008 **Page:**
Associated Samples: All

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Phenol	<15		>0.050		Acenaphthene	<15		>0.050	
bis(2-Chloroethyl)Ether	<15		>0.050		2,4-Dinitrophenol	<15	37%	>0.050	
2-Chlorophenol	<15		>0.050		4-Nitrophenol	<15	21%	>0.050	
1,3-Dichlorobenzene	<15		>0.050		Dibenzofuran	<15		>0.050	
1,4-Dichlorobenzene	<15		>0.050		2,4-Dinitrotoluene	<15		>0.050	
1,2-Dichlorobenzene	<15		>0.050		Diethylphthalate	<15		>0.050	
2-Methylphenol	<15		>0.050		4-Chlorophenyl-phenyleth	<15		>0.050	
2,2-oxybis(1-Chloropropane)	<15		>0.050		Fluorene	<15		>0.050	
4-Methylphenol	<15		>0.050		4-Nitroaniline	<15		>0.050	
N-Nitroso-di-n-propylamine	<15		>0.050		4,6-Dinitro-2-methylpheno	<15		>0.050	
bis(2-chloroispropyl)ether	<15		>0.050		4,6-Dinitro-2-methylpheno	<15		>0.050	
Hexachloroethane	<15		>0.050		N-Nitrosodiphenylamine(1	<15		>0.050	
Nitrobenzene	<15		>0.050		4-Bromophenyl-phenyleth	<15		>0.050	
Isophorone	<15		>0.050		Hexachlorobenzene	<15		>0.050	
2-Nitrophenol	<15		>0.050		Pentachlorophenol	<15	31%	>0.050	
2,4-Dimethylphenol	<15		>0.050		Phenanthrene	<15		>0.050	
2,4-Dichlorophenol	<15		>0.050		Anthracene	<15		>0.050	
1,2,4-Trichlorobenzene	<15		>0.050		Carbazole	<15		>0.050	
Naphthalene	<15		>0.050		Di-n-butylphthalate	<15		>0.050	
4-Chloroaniline	<15		>0.050		Fluoranthene	<15		>0.050	
Hexachlorobutadiene	<15		>0.050		Pyrene	<15		>0.050	
bis(2-Chloroethoxy)methane	<15		>0.050		Butylbenzylphthalate	<15		>0.050	
4-Chloro-3-Methylphenol	<15		>0.050		3,3-Dichlorobenzidine	<15		>0.050	
2-Methylnaphthalene	<15		>0.050		Benzo(a)anthracene	<15		>0.050	
Hexachlorocyclopentadiene	<15	39%	>0.050		Chrysene	<15		>0.050	
2,4,6-Trichlorophenol	<15		>0.050		bis(2-Ethylhexyl)phthalate	<15		>0.050	
2,4,5-Trichlorophenol	<15		>0.050		Di-n-octylphthalate	<15		>0.050	
2-Chloronaphthalene	<15		>0.050		Benzo(b)fluoranthene	<15		>0.050	
2-Nitroaniline	<15		>0.050		Benzo(k)fluoranthene	<15		>0.050	
Dimethylphthalate	<15		>0.050		Benzo(a)pyrene	<15		>0.050	
Acenaphthylene	<15		>0.050		Indeno(1,2,3-cd)pyrene	<15	17%	>0.050	
2,6-Dinitrotoluene	<15		>0.050		Dibenzo(a,h)anthracene	<15		>0.050	
3-Nitroaniline	<15		>0.050		Benzo(g,h,i)perylene	<15	22%	>0.050	

CALIBRATION VERIFICATION:

Compound	4-Chloroaniline				Chrysene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
10	149,940	1,593,288	0.376	0.376	392,194	1,678,586	0.935	0.935
20	375,570	1,868,746	0.402	0.402	1,004,813	2,090,996	0.961	0.961
50	919,374	1,654,991	0.444	0.445	2,423,956	1,987,665	0.976	0.976
80	1,449,923	1,616,141	0.449	0.449	3,562,662	1,813,774	0.982	0.982
120	2,188,123	1,605,003	0.454	0.454	5,602,174	1,983,742	0.941	0.941
160	2,664,283	1,549,043	0.430	0.430	7,398,698	1,838,478	1.006	1.006
Average			0.420	0.426			0.972	0.967
			Calc	Reported			Calc	Reported
%RSD			7.30%	7.20%			2.75%	2.80%

SEMIVOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: S1
Level: Low
Tune File ID: S1F6750.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: S1F6751.D **Date:** 5/13/2008 **Page:** 163
Initial Calibration File ID: S1F6641.D **Date:** 5/8/2008 **Page:**
Associated Samples: All

COMPOUND LIST

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
Phenol	<20		>0.050		Acenaphthene	<20		>0.050	
bis(2-Chloroethyl)Ether	<20		>0.050		2,4-Dinitrophenol	<20	24%	>0.050	
2-Chlorophenol	<20		>0.050		4-Nitrophenol	<20		>0.050	
1,3-Dichlorobenzene	<20		>0.050		Dibenzofuran	<20		>0.050	
1,4-Dichlorobenzene	<20		>0.050		2,4-Dinitrotoluene	<20		>0.050	
1,2-Dichlorobenzene	<20		>0.050		Diethylphthalate	<20		>0.050	
2-Methylphenol	<20		>0.050		4-Chlorophenyl-phenyleth	<20		>0.050	
2,2-oxybis(1-Chloropropane)	<20	22%	>0.050		Fluorene	<20		>0.050	
4-Methylphenol	<20		>0.050		4-Nitroaniline	<20		>0.050	
N-Nitroso-di-n-propylamine	<20		>0.050		4,6-Dinitro-2-methylpheno	<20		>0.050	
Hexachloroethane	<20		>0.050		N-Nitrosodiphenylamine(1	<20		>0.050	
Nitrobenzene	<20		>0.050		4-Bromophenyl-phenyleth	<20		>0.050	
Isophorone	<20		>0.050		Hexachlorobenzene	<20		>0.050	
2-Nitrophenol	<20		>0.050		Pentachlorophenol	<20		>0.050	
2,4-Dimethylphenol	<20		>0.050		Phenanthrene	<20		>0.050	
2,4-Dichlorophenol	<20		>0.050		Anthracene	<20		>0.050	
1,2,4-Trichlorobenzene	<20		>0.050		Carbazole	<20		>0.050	
Naphthalene	<20		>0.050		Di-n-butylphthalate	<20		>0.050	
4-Chloroaniline	<20		>0.050		Fluoranthene	<20		>0.050	
Hexachlorobutadiene	<20		>0.050		Pyrene	<20		>0.050	
bis(2-Chloroethoxy)methane	<20		>0.050		Butylbenzylphthalate	<20		>0.050	
4-Chloro-3-Methylphenol	<20		>0.050		3,3-Dichlorobenzidine	<20		>0.050	
2-Methylnaphthalene	<20		>0.050		Benzo(a)anthracene	<20		>0.050	
Hexachlorocyclopentadiene	<20		>0.050		Chrysene	<20		>0.050	
2,4,6-Trichlorophenol	<20		>0.050		bis(2-Ethylhexyl)phthalate	<20		>0.050	
2,4,5-Trichlorophenol	<20		>0.050		Di-n-octylphthalate	<20	33%	>0.050	
2-Chloronaphthalene	<20		>0.050		Benzo(b)fluoranthene	<20		>0.050	
2-Nitroaniline	<20		>0.050		Benzo(k)fluoranthene	<20		>0.050	
Dimethylphthalate	<20		>0.050		Benzo(a)pyrene	<20		>0.050	
Acenaphthylene	<20		>0.050		Indeno(1,2,3-cd)pyrene	<20	36%	>0.050	
2,6-Dinitrotoluene	<20		>0.050		Dibenzo(a,h)anthracene	<20	38%	>0.050	
3-Nitroaniline	<20		>0.050		Benzo(g,h,i)perylene	<20	46%	>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes

TCL Compounds %D between 20% and 90% (J - qualify) J

TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Naphthalene				Pyrene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
50	2,271,138	1,682,854	1.080	1.080	2,168,153	1,363,494	1.272	1.272
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.998	**Calc**	**Reported**		1.128	**Calc**	**Reported**
			8.18	8.20			12.78	12.80

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Shames Drive

Soil Semivolatile Organic Analyses – Method SW8260
Samples Collected: April 24, 2008
Samples Received: April 25, 2008
Sample Delivery Group: G0580
Laboratory Reference Number:

130173-MW-2-10-12	G0580-01

One soil sample was validated for analyses of semivolatile organics by the US EPA Region II data validation SOP (HW-22, Revision 3). Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
- Calibrations
* - Laboratory Blanks
* - Laboratory Control Sample
- Rinsate Blank
* - Surrogate Compound Recoveries
* - Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
* - Blank Spike
* - Compound Identification
* - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The problems with the calibrations should be noted. These are discussed in detail below.

Holding Times

All samples were extracted and analyzed within the contractual and technical times required by the US EPA Region II protocols.

Continuous extraction of the soil sample for semivolatile analysis was started within 14 days of the date of collection.

Extracts were analyzed within 40 days of the date of extraction

Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

Surrogate Recoveries

All surrogate recoveries were within the required limits.

Matrix Spike / Matrix Spike Duplicate

A matrix spike was not analyzed with this sample delivery group.

Laboratory Control Sample

All of the recoveries in LCS pair associated with the analyses of all of the samples were within the quality control limits.

Calibrations

The %RSDs of all compounds in the 11/30 initial calibration associated with the analysis of the sample were less than 15% with the following exceptions:

Compound	% RSD
Hexachlorocyclopentadiene	39%
2,4-Dinitrophenol	37%
4-Nitrophenol	21%
Pentachlorophenol	31%
Indeno(1,2,3-cd)pyrene	17%
Benzo(g,h,i)perylene	22%

The percent difference of all compounds in the continuing calibration associated with the analysis of the sample were less than 20% with the following exceptions:

Compound	% D
2,2-oxybis(1-Chloropropane)	22%
2,4-Dinitrophenol	24%
Di-n-octylphthalate	33%
Indeno(1,2,3-cd)pyrene	36%
Dibenzo(a,h)anthracene	38%
Benzo(g,h,i)perylene	46%

The data for these compounds were flagged with the “J” qualifier and they are estimated values.

Method Blanks

No target compounds were detected in the method blank.

Internal Standard Areas and Retention Times

All internal standard recoveries and retention times were within the required limits.

Sample Results

No problems were found with the results.

130173-MW-2-10_12	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual
MW-2	1,2,4-Trichlorobenzene	340	U										U
G0580-01B	1,2-Dichlorobenzene	340	U										U
4/24/2008	1,3-Dichlorobenzene	340	U										U
ug/kg	1,4-Dichlorobenzene	340	U										U
	2,2'-oxybis(1-Chloropropane)	340	U							22%		J	UJ
	2,4,5-Trichlorophenol	700	U										U
	2,4,6-Trichlorophenol	340	U										U
	2,4-Dichlorophenol	340	U										U
	2,4-Dimethylphenol	340	U										U
	2,4-Dinitrophenol	700	U						37%	23%		J	UJ
	2,4-Dinitrotoluene	340	U										U
	2,6-Dinitrotoluene	340	U										U
	2-Chloronaphthalene	340	U										U
	2-Chlorophenol	340	U										U
	2-Methylnaphthalene	340	U										U
	2-Methylphenol	340	U										U
	2-Nitroaniline	700	U										U
	2-Nitrophenol	340	U										U
	3,3'-Dichlorobenzidine	340	U										U
	3-Nitroaniline	700	U										U
	4,6-Dinitro-2-methylphenol	700	U						20%			J	UJ
	4-Bromophenyl-phenylether	340	U										U
	4-Chloro-3-methylphenol	340	U										U
	4-Chloroaniline	340	U										U
	4-Chlorophenyl-phenylether	340	U										U
	4-Methylphenol	340	U										U
	4-Nitroaniline	700	U										U
	4-Nitrophenol	700	U						21%			J	UJ
	Acenaphthene	340	U										U
	Acenaphthylene	340	U										U
	Anthracene	340	U										U
	Benzo(a)anthracene	340	U										U
	Benzo(a)pyrene	340	U										U
	Benzo(b)fluoranthene	340	U										U
	Benzo(g,h,i)perylene	340	U						22%	46%		J	UJ
	Benzo(k)fluoranthene	340	U										U
	Bis(2-chloroethoxy)methane	340	U										U
	Bis(2-chloroethyl)ether	340	U										U
	Bis(2-ethylhexyl)phthalate	340	U										U
	Butylbenzylphthalate	340	U										U
	Carbazole	340	U										U
	Chrysene	340	U										U
	Di-n-butylphthalate	340	U										U
	Di-n-octylphthalate	340	U							33%		J	UJ
	Dibenzo(a,h)anthracene	340	U							38%		J	UJ
	Dibenzofuran	340	U										U
	Diethylphthalate	340	U										U
	Dimethylphthalate	340	U										U
	Fluoranthene	340	U										U
	Fluorene	340	U										U
	Hexachlorobenzene	340	U										U
	Hexachlorobutadiene	340	U										U
	Hexachlorocyclopentadiene	340	U										U
	Hexachloroethane	340	U										U
	Indeno(1,2,3-cd)pyrene	340	U						17%	36%		J	UJ
	Isophorone	340	U										U
	N-Nitroso-di-n-propylamine	340	U										U
	N-Nitrosodiphenylamine	340	U										U
	Naphthalene	340	U										U
	Nitrobenzene	340	U										U
	Pentachlorophenol	700	U						38%			J	UJ
	Phenanthrene	340	U										U
	Phenol	340	U										U
	Pyrene	340	U										U

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive

Soil Volatile Organic Analyses – Method SW8260
Samples Collected: April 24, 2008
Samples Received: April 25, 2008
Sample Delivery Group: G0580
Laboratory Reference Number:

130173-MW-2-10-12	G0580-01

One soil sample was validated for analyses of the volatile organic TCL analyte list by method SW8260 SOP HW-24, Revision #2. A complete analytical validation was performed based upon the following parameters:

* * - Data Completeness
* * - GC/MS Tuning
* * - Holding Times
  - Calibrations
  - Laboratory Blanks
  - Holding Blank
  - Field Blank
  - Trip Blanks
* * - Surrogate Recoveries
* * - Internal Standard Recoveries
  - Matrix Spike / Matrix Spike Duplicate
* * - Laboratory Control Sample Recoveries
* * - Compound Identification
* * - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The problems with the calibrations should be noted.

Holding Times

All samples were preserved and analyzed within the 14-day technical holding time.

System Monitoring Compound Recoveries

All system monitoring compound recoveries were within the EPA Region II quality assurance limits.

Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

Calibrations

The relative response factors of acetone (0.038) and 2-butanone (0.041) were less than the 0.050 quality control limit used for the purposes of the data validation in the 4/24 initial calibration associated with the sample.

The percent RSD of acetone (22%) was also greater than the 20% quality control limit in the 4/24 initial calibration.

The relative response factors of these compounds were also less than 0.05 in all of the continuing calibration standards.

The data for these compounds were flagged with the “J” qualifier when they were detected in a sample. Non-detects were flagged with the “R” qualifier and were technically rejected. It is possible that low concentrations were overlooked.

All percent differences in the 4/29 continuing calibration associated with the samples were less than 20% with the exception of carbon disulfide (30%).

The data for theses compounds were flagged with the “J” qualifier and are estimated values.

Matrix Spike / Matrix Spike Duplicate

A matrix spike and matrix spike duplicate were not analyzed for this sample delivery group.

Laboratory Control Samples

All laboratory control sample recoveries were within the required limits.

Method Blanks

Methylene chloride was found in laboratory blank VBLK1J associated with samples -08 and -10 at a concentration of 3.4J ug/l.

The low concentrations of methylene chloride detected in the samples were reported at the quantitation limit and flagged with the UB qualifier.

Trip Blank

A trip blank was not analyzed with this sample delivery group.

Field Blank

A field blank was not analyzed.

Holding Blank

A holding blank was not analyzed.

Internal Standard Areas and Retention Times

All internal standard recoveries were within the required limits.

Sample Results

No problems were detected with any of the sample data.

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive

Soil Volatile Organic Analyses – Method SW8260
Samples Collected: April 24, 2008
Samples Received: April 25, 2008
Sample Delivery Group: G0580
Laboratory Reference Number:

130173-MW-2-10-12	G0580-01

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: V1
Level: Low
Tune File ID: V1J5669.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: V1J5671.D **Date:** 4/24/2008 **Page:** 25
Associated Samples: QC-1J, -01

CALIBRATION VERIFICATION:

Compound	Chloroform				Bromoform			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
5	43,758	1,138,299	0.384	0.384	17,253	832,945	0.207	0.207
20	196,773	1,166,452	0.422	0.422	72,355	831,687	0.217	0.217
50	493,151	1,156,009	0.427	0.427	195,077	840,939	0.232	0.232
100	1,009,467	1,207,356	0.418	0.418	418,854	878,040	0.239	0.239
200	1,941,875	1,197,319	0.405	0.405	791,184	863,276	0.229	0.229
Average			0.411	0.411			0.225	0.225
			Calc	**Reported**			**Calc**	**Reported**
%RSD			4.11%	4.10%			5.55%	5.60%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: V1
Level: Low
Tune File ID: V1J5870.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: V1J5871.D **Date:** 4/29/2008 **Page:** 48
Initial Calibration File ID: V1J5669.D **Date:** 4/24/2008 **Page:** 25
Associated Samples: QC-1J, -01

CALIBRATION VERIFICATION:

Compound	Benzene				Styrene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
50	1,350,538	1,409,306	0.958	0.958	832,913	908,602	0.917	0.917
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		1.021	**Calc**	**Reported**		0.925	**Calc**	**Reported**
			-6.14	6.10			-0.90	0.90

130173-MW-2-10_12	Volatile Organic Compounds (OLC3.2)	cas_numbe	fraction	value_type	result_value		Conc.	MB	Surr	MS	LCS	IC	CC	IS	Qual.	Qual.
MW-2	1,1,2-Trichloroethane	75-00-3	T	actual	5.2	U										U
G0580-01B	1,1-Dichloroethane	67-66-3	T	actual	5.2	U										U
4/24/2008	1,1-Dichloroethene	74-87-3	T	actual	5.2	U										U
ug/kg	1,1-Dichloropropene	156-59-2	T	actual	5.2	U										U
	1,2,3-Trichlorobenzene	10061-01-5	T	actual	5.2	U										U
	1,2,3-Trichloropropane	124-48-1	T	actual	5.2	U										U
	1,2,4-Trichlorobenzene	630-20-6	T	actual	5.2	U										U
	1,2,4-Trimethylbenzene	71-55-6	T	actual	5.2	U										U
	1,2-Dibromo-3-chloropropane	79-34-5	T	actual	5.2	U										U
	1,2-Dibromoethane	79-00-5	T	actual	5.2	U										U
	1,2-Dichlorobenzene	75-34-3	T	actual	5.2	U										U
	1,2-Dichloroethane	75-35-4	T	actual	5.2	U										U
	1,2-Dichloropropane	563-58-6	T	actual	5.2	U										U
	1,3,5-Trimethylbenzene	87-61-6	T	actual	5.2	U										U
	1,3-Dichlorobenzene	96-18-4	T	actual	5.2	U										U
	1,3-Dichloropropane	95-63-6	T	actual	5.2	U										U
	1,4-Dichlorobenzene	96-12-8	T	actual	5.2	U										U
	2,2-Dichloropropane	106-93-4	T	actual	5.2	U										U
	2-Butanone	95-50-1	T	actual	5.2	U						RRF			R	R
	2-Chlorotoluene	107-06-2	T	actual	5.2	U										U
	2-Hexanone	17060-07-0	T	actual	5.2	U										U
	4-Chlorotoluene	78-87-5	T	actual	5.2	U										U
	4-Isopropyltoluene	108-67-8	T	actual	5.2	U										U
	4-Methyl-2-pentanone	541-73-1	T	actual	5.2	U										U
	Acetone	142-28-9	T	actual	6.1		6					RRF/22%			J	UJ
	Benzene	106-46-7	T	actual	5.2	U										U
	Bromobenzene	594-20-7	T	actual	5.2	U										U
	Bromochloromethane	78-93-3	T	actual	5.2	U										U
	Bromodichloromethane	95-49-8	T	actual	5.2	U										U
	Bromoform	591-78-6	T	actual	5.2	U										U
	Bromomethane	106-43-4	T	actual	5.2	U										U
	Carbon disulfide	99-87-6	T	actual	5.2	U							30%		J	U
	Carbon tetrachloride	67-64-1	T	actual	5.2	U										U
	Chlorobenzene	71-43-2	T	actual	5.2	U										U
	Chloroethane	108-86-1	T	actual	5.2	U										U
	Chloroform	74-97-5	T	actual	5.2	U										U
	Chloromethane	75-27-4	T	actual	5.2	U										U
	cis-1,2-Dichloroethene	460-00-4	T	actual	5.2	U										U
	cis-1,3-Dichloropropene	75-25-2	T	actual	5.2	U										U
	Dibromochloromethane	74-83-9	T	actual	5.2	U										U
	Dibromomethane	75-15-0	T	actual	5.2	U										U
	Dichlorodifluoromethane	56-23-5	T	actual	5.2	U										U
	Ethylbenzene	108-90-7	T	actual	5.2	U										U
	Hexachlorobutadiene	74-95-3	T	actual	5.2	U										U
	Iodomethane	75-71-8	T	actual	5.2	U										U
	Isopropylbenzene	100-41-4	T	actual	5.2	U										U
	m,p-Xylene	87-68-3	T	actual	5.2	U										U
	Methyl tert-butyl ether	74-88-4	T	actual	5.2	U										U
	Methylene chloride	98-82-8	T	actual	1.1	BJ									U	UB

							Conc.	MB	Surr	MS	LCS	IC	CC	IS	Qual.	Qual.
130173-MW-2-10_12	**Volatile Organic Compounds (OLC3.2)**	cas_numbe	fraction	value_type	result_value											
	n-Butylbenzene	1330-20-7	T	actual	5.2	U										U
	n-Propylbenzene				5.2	U										U
	Naphthalene				5.2	U										U
	o-Xylene				5.2	U										U
	sec-Butylbenzene				5.2	U										U
	Styrene				5.2	U										U
	tert-Butylbenzene	cas_numbe	fraction	value_type	5.2	U										U
	Tetrachloroethene	75-00-3	T	actual	5.2	U										U
	Toluene	67-66-3	T	actual	5.2	U										U
	trans-1,2-Dichloroethene	74-87-3	T	actual	5.2	U										U
	trans-1,3-Dichloropropene	156-59-2	T	actual	5.2	U										U
	Trichloroethene	10061-01-5	T	actual	5.2	U										U
	Trichlorofluoromethane	124-48-1	T	actual	5.2	U										U
	Vinyl acetate	630-20-6	T	actual	5.2	U										U
	Vinyl chloride	71-55-6	T	actual	5.2	U										U
	Xylene (Total)	79-34-5	T	actual	5.2	U										U
	1,1,1,2-Tetrachloroethane	79-00-5	T	actual	5.2	U										U
	1,1,1-Trichloroethane	75-34-3	T	actual	5.2	U										U
	1,1,2,2-Tetrachloroethane	75-35-4	T	actual	5.2	U										U

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Shames Drive

Total Metals Analyses
Samples Collected: June 3, 2008
Samples Received: June 4, 2008
Sample Delivery Group: G0846
Laboratory Reference Numbers:

130173-MW-1-GW	G0846-02
130173-MW-1-GW MS	G0846-02 MS
130173-MW-1-GW MSD	G0846-02 MSD
130173-FB-6308	G0846-03
130173-MW-6-GW	G0846-04
130173-MW-66-GW	G0846-05
130173-MW-2-GW	G0846-06
130173-MW-5-GW	G0846-07

Water samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* * - Data Completeness
* * - Holding Times
* * - Calibration Verification
  - CRDL Standard
* * - Laboratory Control Sample
  - Serial Dilutions
* * - Calibration Blanks
  - Field Blanks
* * - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
* * - ICP Interference Check Sample
* * - Detection Limit Results
* * - Linear Range
* * - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

The problems with the CRDL standards, matrix spikes, duplicates and serial dilutions should be noted. These are described in detail below.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

The selenium was not recovered from the CRDL standard (0%) analyzed in the middle of the sample analysis. All of the selenium data were technically rejected (R).

The recovery of the mercury CRDL was 150%. Only low concentrations of mercury were detected in the sample. All of the mercury data were flagged with the "J" qualifier and are estimated values.

CRDL standards for cadmium and zinc were not found.

All other CRDL recoveries were within the required limits.

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

No compounds were detected in the field blank at concentrations above the CRDL.

ICP Interference Check Sample

No problems were detected with the reported ICP Interference Check Sample recoveries.

Matrix Spike Recovery

Sample 130173-MW-1-GW (G0846-02) was used as the matrix spike. All of the recoveries which could be accurately calculated were within the 75% to 125% quality assurance limits with the exception of selenium (135%).

When selenium was detected in a sample it was flagged with the “J” qualifier and is an estimated value.

Duplicate Analysis

Sample 130173-MW-1-GW (G0846-02) was used as the matrix duplicate. All of the relative percent differences which could be accurately calculated were less than 20% with the exception of iron (118%). The iron duplicate concentrations were 79B ug/l and 306 ug/l.

All of the iron data were flagged with the “J” qualifier and are estimated values.

Laboratory Control Sample

No problems were detected with the recoveries of the LCS standards.

Serial Dilutions

Sample SD-1 (F1740-09) was used as the serial dilution for the soil fraction. All of the relative percent differences which could be accurately calculated were less than 10% with the exception of zinc (11%)

The data for zinc were flagged with the “J” qualifier and are estimated values.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

No problems were detected with any of these samples.

	chemical_name	result_ value	lab_ qualifiers						laBJ_ qualifiers	result_ type_ code	detect_ flag	reporting_ detection_ limit	dilution_ factor	sample_ matrix_ code	total_ or_ dissolved	basis	analysis_ date	analysis_ time	method_ detection_ limit	lab_ prep_ method_ name	prep_ date	prep_ time	test_ batch_ id	result_ error	TIC_ retention_ time	qc_ level	result_ comment	parent_ sample_ code
130173-MW-1-GW		**Conc.**	**Lab Qual**	**DV Conc**	**CRDL**	**MS**	**Dup.**	**Ser. Dil.**	**DV Qual.**	**LaBJ Qual**																		
MW-1	Potassium	6550		6552							TRG	Y	200	1	WG	T	NA	12/04/200	11:10	37.0	SW3005	11/30/2007	10:05				NONE	
G0846-02A	Sodium	13000		12986							TRG	N	20	1	WG	T	NA	12/04/200	11:10	4.4	SW3005	11/30/2007	10:05				NONE	
6/3/2008	Mercury	0.098	B	0.1	150%					BJ	TRG	Y	20	1	WG	T	NA	12/04/200	11:10	2.5	SW3005	11/30/2007	10:05				NONE	
µg/L	Aluminum	32.1	B	32.1					J	BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:10	11.0	SW3005	11/30/2007	10:05				NONE	
	Antimony	60	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/04/200	11:10	0.051	SW3005	11/30/2007	10:05				NONE	
	Arsenic	10	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/05/200	15:57	0.11	SW3005	11/30/2007	10:05				NONE	
	Barium	45	B	45						BJ	TRG	Y	800	1	WG	T	NA	12/04/200	11:10	99.0	SW3005	11/30/2007	10:05				NONE	
	Beryllium	5	U	0						U	TRG	Y	20	1	WG	T	NA	12/04/200	11:10	0.22	SW3005	11/30/2007	10:05				NONE	
	Calcium	15700		15684							TRG	Y	50	1	WG	T	NA	12/04/200	11:10	0.068	SW3005	11/30/2007	10:05				NONE	
	Chromium	13.6		13.6							TRG	Y	30	1	WG	T	NA	12/04/200	11:10	1.7	SW3005	11/30/2007	10:05				NONE	
	Cobalt	0.39	B	0.4						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:10	89.0	SW3005	11/30/2007	10:05				NONE	
	Copper	5.6	B	5.6						BJ	TRG	Y	10	1	WG	T	NA	12/04/200	11:10	1.2	SW3005	11/30/2007	10:05				NONE	
	Iron	79.4	B*	79.4			117%			BJ*	TRG	Y	500	1	WG	T	NA	12/04/200	11:10	7.9	SW3005	11/30/2007	10:05				NONE	
	Lead	3.4		3.4							TRG	Y	50	1	WG	T	NA	12/04/200	11:10	1.8	SW3005	11/30/2007	10:05				NONE	
	Magnesium	5210		5213							TRG	Y	0.20	1	WG	T	NA	12/03/200	10:34	0.11	METHOD	11/30/2007	12:00				NONE	
	Manganese	18.3		18.3							TRG	Y	50	1	WG	T	NA	12/04/200	11:10	0.22	SW3005	11/30/2007	10:05				NONE	
	Nickel	10.2	B	10.2						BJ	TRG	Y	1000	1	WG	T	NA	12/05/200	11:53	36.0	SW3005	11/30/2007	10:05				NONE	
	Selenium	5	UN	0	0%	135%			R	R	TRG	Y	30	1	WG	T	NA	12/04/200	11:10	5.2	SW3005	11/30/2007	10:05				NONE	
	Silver	2.2	B	2.2						BJ	TRG	N	30	1	WG	T	NA	12/04/200	11:10	1.2	SW3005	11/30/2007	10:05				NONE	
	Thallium	10	U	0						U	TRG	Y	20000	20	WG	T	NA	12/05/200	10:50	1300	SW3005	11/30/2007	10:05				NONE	
	Vanadium	50	U	0						U	TRG	N	20	1	WG	T	NA	12/04/200	11:10	2.8	SW3005	11/30/2007	10:05				NONE	
	Cadmium	5	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/200	11:10	0.40	SW3005	11/30/2007	10:05				NONE	
	Zinc	30	E	30				11%	J	EJ	TRG	Y	50	1	WG	T	NA	12/04/200	11:10	3.3	SW3005	11/30/2007	10:05				NONE	
		Conc.	**Lab Qual**		**CRDL**	**MS**	**Dup.**	**Ser. Dil.**	**DV Qual.**	**LaBJ Qual**																		
130173-FB-6308	Potassium	5000	U	0						U	TRG	Y	200	1	WG	T	NA	12/04/200	11:13	37.0	SW3005	11/30/2007	10:05				NONE	
Field Blank	Sodium	48.8	B	48.8						BJ	TRG	N	20	1	WG	T	NA	12/04/200	11:13	4.4	SW3005	11/30/2007	10:05				NONE	
G0846-03A	Mercury	0.093	B	0.09	150%				J	BJ	TRG	Y	20	1	WG	T	NA	12/04/200	11:13	2.5	SW3005	11/30/2007	10:05				NONE	
6/3/2008	Aluminum	16.3	B	16.3					J	BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:13	11.0	SW3005	11/30/2007	10:05				NONE	
µg/L	Antimony	60	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/04/200	11:13	0.051	SW3005	11/30/2007	10:05				NONE	
	Arsenic	2.9	B	2.9						BJ	TRG	N	5.0	1	WG	T	NA	12/05/200	16:00	0.11	SW3005	11/30/2007	10:05				NONE	
	Barium	4.9	B	4.9						BJ	TRG	Y	800	1	WG	T	NA	12/04/200	11:13	99.0	SW3005	11/30/2007	10:05				NONE	
	Beryllium	5	U	0						U	TRG	Y	20	1	WG	T	NA	12/04/200	11:13	0.22	SW3005	11/30/2007	10:05				NONE	
	Calcium	5000	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/200	11:13	0.068	SW3005	11/30/2007	10:05				NONE	
	Chromium	0.49	B	0.5						BJ	TRG	Y	30	1	WG	T	NA	12/04/200	11:13	1.7	SW3005	11/30/2007	10:05				NONE	
	Cobalt	50	U	0						U	TRG	Y	200	1	WG	T	NA	12/04/200	11:13	89.0	SW3005	11/30/2007	10:05				NONE	
	Copper	2.7	B	2.7						BJ	TRG	Y	10	1	WG	T	NA	12/04/200	11:13	1.2	SW3005	11/30/2007	10:05				NONE	
	Iron	88.2	B*	88.2			117%			BJ*	TRG	Y	500	1	WG	T	NA	12/04/200	11:13	7.9	SW3005	11/30/2007	10:05				NONE	
	Lead	3	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/200	11:13	1.8	SW3005	11/30/2007	10:05				NONE	
	Magnesium	11.3	B	11.3						BJ	TRG	Y	0.20	1	WG	T	NA	12/03/200	10:36	0.11	METHOD	11/30/2007	12:00				NONE	
	Manganese	1.8	B	1.8						BJ	TRG	Y	50	1	WG	T	NA	12/04/200	11:13	0.22	SW3005	11/30/2007	10:05				NONE	
	Nickel	40	U	0						U	TRG	Y	1000	1	WG	T	NA	12/05/200	11:55	36.0	SW3005	11/30/2007	10:05				NONE	
	Selenium	5	UN	0	0%	135%			R	R	TRG	N	30	1	WG	T	NA	12/04/200	11:13	5.2	SW3005	11/30/2007	10:05				NONE	
	Silver	1.1	B	1.1						BJ	TRG	Y	30	1	WG	T	NA	12/04/200	11:13	1.2	SW3005	11/30/2007	10:05				NONE	
	Thallium	10	U	0						U	TRG	Y	10000	10	WG	T	NA	12/05/200	10:52	640	SW3005	11/30/2007	10:05				NONE	
	Vanadium	50	U	0						U	TRG	N	20	1	WG	T	NA	12/04/200	11:13	2.8	SW3005	11/30/2007	10:05				NONE	
	Cadmium	5	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/200	11:13	0.40	SW3005	11/30/2007	10:05				NONE	
	Zinc	13.2	BE	13.2				11%		BJE	TRG	Y	50	1	WG	T	NA	12/04/200	11:13	3.3	SW3005	11/30/2007	10:05				NONE	
		Conc.	**Lab Qual**		**CRDL**	**MS**	**Dup.**	**Ser. Dil.**	**DV Qual.**	**LaBJ Qual**																		
130173-MW-6-GW	Potassium	2900	B	2901						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:21	37.0	SW3005	11/30/2007	10:05				NONE	
MW-6	Sodium	16700		16728							TRG	N	20	1	WG	T	NA	12/04/200	11:21	4.4	SW3005	11/30/2007	10:05				NONE	
G0846-04A	Mercury	0.098	B	0.1	150%				J	BJJ	TRG	Y	20	1	WG	T	NA	12/04/200	11:21	2.5	SW3005	11/30/2007	10:05				NONE	
6/3/2008	Aluminum	78.1	B	78.1						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:21	11.0	SW3005	11/30/2007	10:05				NONE	
µg/L	Antimony	60	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/04/200	11:21	0.051	SW3005	11/30/2007	10:05				NONE	
	Arsenic	10	U	0						U	TRG	N	5.0	1	WG	T	NA	12/05/200	16:03	0.11	SW3005	11/30/2007	10:05				NONE	
	Barium	72.2	B	72.2						BJ	TRG	Y	800	1	WG	T	NA	12/04/200	11:21	99.0	SW3005	11/30/2007	10:05				NONE	
	Beryllium	5	U	0						U	TRG	Y	20	1	WG	T	NA	12/04/200	11:21	0.22	SW3005	11/30/2007	10:05				NONE	
	Calcium	13500		13508							TRG	Y	50	1	WG	T	NA	12/04/200	11:21	0.068	SW3005	11/30/2007	10:05				NONE	
	Chromium	16.7		16.7							TRG	Y	30	1	WG	T	NA	12/04/200	11:21	1.7	SW3005	11/30/2007	10:05				NONE	
	Cobalt	0.55	B	0.5						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:21	89.0	SW3005	11/30/2007	10:05				NONE	
	Copper	3.4	B	3.4						BJ	TRG	Y	10	1	WG	T	NA	12/04/200	11:21	1.2	SW3005	11/30/2007	10:05				NONE	
	Iron	179	*	179.4			117%			*J	TRG	Y	500	1	WG	T	NA	12/04/200	11:21	7.9	SW3005	11/30/2007	10:05				NONE	
	Lead	3	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/200	11:21	1.8	SW3005	11/30/2007	10:05				NONE	
	Magnesium	4060	B	4063.3						BJ	TRG	Y	0.20	1	WG	T	NA	12/03/200	10:37	0.11	METHOD	11/30/2007	12:00				NONE	
	Manganese	18.4		18.4							TRG	Y	50	1	WG	T	NA	12/04/200	11:21	0.22	SW3005	11/30/2007	10:05				NONE	
	Nickel	14	B	14						BJ	TRG	Y	1000	1	WG	T	NA	12/05/200	11:58	36.0	SW3005	11/30/2007	10:05				NONE	
	Selenium	5	UN	0	0%	135%			R	R	TRG	N	30	1	WG	T	NA	12/04/200	11:21	5.2	SW3005	11/30/2007	10:05				NONE	
	Silver	0.76	B	0.8						BJ	TRG	Y	30	1	WG	T	NA	12/04/200	11:21	1.2	SW3005	11/30/2007	10:05				NONE	
	Thallium	10	U	10						U	TRG	Y	20000	20	WG	T	NA	12/05/200	10:54	1300	SW3005	11/30/2007	10:05				NONE	
	Vanadium	0.62	B	0.6						BJ	TRG	N	20	1	WG	T	NA	12/04/200	11:21	2.8	SW3005	11/30/2007	10:05				NONE	
	Cadmium	5	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/200	11:21	0.40	SW3005	11/30/2007	10:05				NONE	
	Zinc	21.3	E	21.3				11%		EJ	TRG	Y	50	1	WG	T	NA	12/04/200	11:21	3.3	SW3005	11/30/2007	10:05				NONE	

		Conc.	Lab Qual		CRDL	MS	Dup.	Ser. Dil.	DV Qual.	LaBJ Qual											
130173-MW66-GW	Potassium	2840	B	2842						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:24	37.0	SW3005	11/30/2007	10:05	NONE
MW-6	Sodium	16500		16538							TRG	N	20	1	WG	T	NA	12/04/200	11:24	4.4	SW3005	11/30/2007	10:05	NONE
G0846-05A	Mercury	0.1	B	0.1	150%				J	BJ	TRG	Y	20	1	WG	T	NA	12/04/200	11:24	2.5	SW3005	11/30/2007	10:05	NONE
6/3/2008	Aluminum	94.7	B	94.7						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:24	11.0	SW3005	11/30/2007	10:05	NONE
µg/L	Antimony	60	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/04/200	11:24	0.051	SW3005	11/30/2007	10:05	NONE
	Arsenic	4.2	B	4.2						BJ	TRG	N	5.0	1	WG	T	NA	12/05/200	16:05	0.11	SW3005	11/30/2007	10:05	NONE
	Barium	73.6	B	73.6						BJ	TRG	Y	800	1	WG	T	NA	12/04/200	11:24	99.0	SW3005	11/30/2007	10:05	NONE
	Beryllium	5	U	0						U	TRG	Y	20	1	WG	T	NA	12/04/200	11:24	0.22	SW3005	11/30/2007	10:05	NONE
	Calcium	13600		13571							TRG	Y	50	1	WG	T	NA	12/04/200	11:24	0.068	SW3005	11/30/2007	10:05	NONE
	Chromium	18		18							TRG	Y	30	1	WG	T	NA	12/04/200	11:24	1.7	SW3005	11/30/2007	10:05	NONE
	Cobalt	0.74	B	0.7						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:24	89.0	SW3005	11/30/2007	10:05	NONE
	Copper	3	B	3						BJ	TRG	Y	10	1	WG	T	NA	12/04/200	11:24	1.2	SW3005	11/30/2007	10:05	NONE
	Iron	197	*	196.7			117%		J	J*	TRG	Y	500	1	WG	T	NA	12/04/200	11:24	7.9	SW3005	11/30/2007	10:05	NONE
	Lead	1.5	B	1.5						BJ	TRG	Y	50	1	WG	T	NA	12/04/200	11:24	1.8	SW3005	11/30/2007	10:05	NONE
	Magnesium	4180	B	4175						BJ	TRG	N	0.20	1	WG	T	NA	12/03/200	10:38	0.11	METHOD	11/30/2007	12:00	NONE
	Manganese	20.1		20.1							TRG	Y	50	1	WG	T	NA	12/04/200	11:24	0.22	SW3005	11/30/2007	10:05	NONE
	Nickel	14.9	B	14.9						BJ	TRG	Y	1000	1	WG	T	NA	12/05/200	12:00	36.0	SW3005	11/30/2007	10:05	NONE
	Selenium	5	UN	0	0%	135%			R	R	TRG	Y	30	1	WG	T	NA	12/04/200	11:24	5.2	SW3005	11/30/2007	10:05	NONE
	Silver	0.77	B	0.8						BJ	TRG	N	30	1	WG	T	NA	12/04/200	11:24	1.2	SW3005	11/30/2007	10:05	NONE
	Thallium	10	U	0						U	TRG	Y	20000	20	WG	T	NA	12/05/200	10:57	1300	SW3005	11/30/2007	10:05	NONE
	Vanadium	0.85	B	0.9						BJ	TRG	N	20	1	WG	T	NA	12/04/200	11:24	2.8	SW3005	11/30/2007	10:05	NONE
	Cadmium	1	B	1						BJ	TRG	Y	50	1	WG	T	NA	12/04/200	11:24	0.40	SW3005	11/30/2007	10:05	NONE
	Zinc	25.1	E	25.1				11%	J	EJ	TRG	Y	50	1	WG	T	NA	12/04/200	11:24	3.3	SW3005	11/30/2007	10:05	NONE

		Conc.	Lab Qual		CRDL	MS	Dup.	Ser. Dil.	DV Qual.	LaBJ Qual											
130173-MW-2-GW	Potassium	1680	B	1677						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:27	37.0	SW3005	11/30/2007	10:05	NONE
MW-2	Sodium	10300		10268							TRG	N	20	1	WG	T	NA	12/04/200	11:27	4.4	SW3005	11/30/2007	10:05	NONE
G0846-06C	Mercury	0.1	B	0.1	150%				J	BJ	TRG	Y	20	1	WG	T	NA	12/04/200	11:27	2.5	SW3005	11/30/2007	10:05	NONE
6/3/2008	Aluminum	37.4	B	37.4						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:27	11.0	SW3005	11/30/2007	10:05	NONE
µg/L	Antimony	60	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/04/200	11:27	0.051	SW3005	11/30/2007	10:05	NONE
	Arsenic	10	U	0						U	TRG	N	5.0	1	WG	T	NA	12/05/200	16:17	0.11	SW3005	11/30/2007	10:05	NONE
	Barium	75.7	B	75.7						BJ	TRG	Y	800	1	WG	T	NA	12/04/200	11:27	99.0	SW3005	11/30/2007	10:05	NONE
	Beryllium	5	U	0						U	TRG	Y	20	1	WG	T	NA	12/04/200	11:27	0.22	SW3005	11/30/2007	10:05	NONE
	Calcium	24100		24080							TRG	Y	50	1	WG	T	NA	12/04/200	11:27	0.068	SW3005	11/30/2007	10:05	NONE
	Chromium	10.3		10.3							TRG	N	30	1	WG	T	NA	12/04/200	11:27	1.7	SW3005	11/30/2007	10:05	NONE
	Cobalt	0.36	B	0.4						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:27	89.0	SW3005	11/30/2007	10:05	NONE
	Copper	4.1	B	4.1						BJ	TRG	N	10	1	WG	T	NA	12/04/200	11:27	1.2	SW3005	11/30/2007	10:05	NONE
	Iron	90.3	B*	90.3			117%		J	BJ*	TRG	Y	500	1	WG	T	NA	12/04/200	11:27	7.9	SW3005	11/30/2007	10:05	NONE
	Lead	1.5	B	1.5						BJ	TRG	Y	50	1	WG	T	NA	12/04/200	11:27	1.8	SW3005	11/30/2007	10:05	NONE
	Magnesium	6520		6518							TRG	N	0.20	1	WG	T	NA	12/03/200	10:40	0.11	METHOD	11/30/2007	12:00	NONE
	Manganese	15.1		15.1							TRG	Y	50	1	WG	T	NA	12/04/200	11:27	0.22	SW3005	11/30/2007	10:05	NONE
	Nickel	8.7	B	8.7						BJ	TRG	Y	1000	1	WG	T	NA	12/05/200	12:03	36.0	SW3005	11/30/2007	10:05	NONE
	Selenium	5	UN	0	0%	135%			R	R	TRG	Y	30	1	WG	T	NA	12/04/200	11:27	5.2	SW3005	11/30/2007	10:05	NONE
	Silver	10	U	0						U	TRG	N	30	1	WG	T	NA	12/04/200	11:27	1.2	SW3005	11/30/2007	10:05	NONE
	Thallium	10	U	0						U	TRG	Y	10000	10	WG	T	NA	12/05/200	10:59	640	SW3005	11/30/2007	10:05	NONE
	Vanadium	50	U	0						U	TRG	N	20	1	WG	T	NA	12/04/200	11:27	2.8	SW3005	11/30/2007	10:05	NONE
	Cadmium	5	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/200	11:27	0.40	SW3005	11/30/2007	10:05	NONE
	Zinc	22.3	E	22.3				11%	J	EJ	TRG	Y	50	1	WG	T	NA	12/04/200	11:27	3.3	SW3005	11/30/2007	10:05	NONE

		Conc.	Lab Qual		CRDL	MS	Dup.	Ser. Dil.	DV Qual.	LaBJ Qual.											
130173-MW-5-GW	Potassium	3670	B	3666						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:27	37.0	SW3005	11/30/2007	10:05	NONE
MW-5	Sodium	27500		27488							TRG	N	20	1	WG	T	NA	12/04/200	11:27	4.4	SW3005	11/30/2007	10:05	NONE
G0846-07A	Mercury	0.1	B	0.1	150%				J	BJ	TRG	Y	20	1	WG	T	NA	12/04/200	11:27	2.5	SW3005	11/30/2007	10:05	NONE
6/3/2008	Aluminum	39.1	B	39.1						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:27	11.0	SW3005	11/30/2007	10:05	NONE
µg/L	Antimony	60	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/04/200	11:27	0.051	SW3005	11/30/2007	10:05	NONE
	Arsenic	10	U	0						U	TRG	N	5.0	1	WG	T	NA	12/05/200	16:17	0.11	SW3005	11/30/2007	10:05	NONE
	Barium	51	B	51						BJ	TRG	Y	800	1	WG	T	NA	12/04/200	11:27	99.0	SW3005	11/30/2007	10:05	NONE
	Beryllium	5	U	0						U	TRG	Y	20	1	WG	T	NA	12/04/200	11:27	0.22	SW3005	11/30/2007	10:05	NONE
	Calcium	18700		18724							TRG	Y	50	1	WG	T	NA	12/04/200	11:27	0.068	SW3005	11/30/2007	10:05	NONE
	Chromium	11.5		11.5							TRG	N	30	1	WG	T	NA	12/04/200	11:27	1.7	SW3005	11/30/2007	10:05	NONE
	Cobalt	0.7	B	0.7						BJ	TRG	Y	200	1	WG	T	NA	12/04/200	11:27	89.0	SW3005	11/30/2007	10:05	NONE
	Copper	1.9	B	1.9						BJ	TRG	N	10	1	WG	T	NA	12/04/200	11:27	1.2	SW3005	11/30/2007	10:05	NONE
	Iron	122	*	122.2			117%		J	J*	TRG	Y	500	1	WG	T	NA	12/04/200	11:27	7.9	SW3005	11/30/2007	10:05	NONE
	Lead	3	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/200	11:27	1.8	SW3005	11/30/2007	10:05	NONE
	Magnesium	2660	B	2655.4						BJ	TRG	N	0.20	1	WG	T	NA	12/03/200	10:40	0.11	METHOD	11/30/2007	12:00	NONE
	Manganese	20.1		20.1							TRG	Y	50	1	WG	T	NA	12/04/200	11:27	0.22	SW3005	11/30/2007	10:05	NONE
	Nickel	9.3	B	9.3						BJ	TRG	Y	1000	1	WG	T	NA	12/05/200	12:03	36.0	SW3005	11/30/2007	10:05	NONE
	Selenium	5	UN	0	0%	135%			R	R	TRG	Y	30	1	WG	T	NA	12/04/200	11:27	5.2	SW3005	11/30/2007	10:05	NONE
	Silver	10	U	0						U	TRG	N	30	1	WG	T	NA	12/04/200	11:27	1.2	SW3005	11/30/2007	10:05	NONE
	Thallium	10	U	0						U	TRG	Y	10000	10	WG	T	NA	12/05/200	10:59	640	SW3005	11/30/2007	10:05	NONE
	Vanadium	50	U	0						U	TRG	N	20	1	WG	T	NA	12/04/200	11:27	2.8	SW3005	11/30/2007	10:05	NONE
	Cadmium	1.4	B	1.4						BJ	TRG	Y	50	1	WG	T	NA	12/04/200	11:27	0.40	SW3005	11/30/2007	10:05	NONE
	Zinc	15.8	BE	15.8				11%	J	BJE	TRG	Y	50	1	WG	T	NA	12/04/200	11:27	3.3	SW3005	11/30/2007	10:05	NONE

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive

Water Semivolatile Organic Analyses – Method OLC3.2
Samples Collected: June 3, 2008
Samples Received: June 4, 2008
Sample Delivery Group: G0846
Laboratory Reference Numbers:

130173-MW-1-GW	G0846-02
130173-MW-1-GW MS	G0846-02 MS
130173-MW-1-GW MSD	G0846-02 MSD
130173-FB-6308	G0846-03
130173-MW-6-GW	G0846-04
130173-MW-66-GW	G0846-05
130173-MW-2-GW	G0846-06
130173-MW-5-GW	G0846-07

SEMIVOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: S1
Tune File ID: S1F7230.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: S1F7231.D **Date:** 6/11/2008 **Page:** 251
Associated Samples: All

CALIBRATION VERIFICATION:

Compound	4-Chloroaniline				Chrysene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
5	76,168	744,604	0.409	0.409	169,051	574,919	1.176	1.176
10	142,565	710,903	0.401	0.401	315,783	571,674	1.105	1.105
20	248,099	689,869	0.360	0.360	571,682	536,912	1.065	1.065
50	687,510	751,582	0.366	0.366	1,500,695	560,073	1.072	1.072
80	1,035,283	685,791	0.377	0.377	1,951,176	505,936	0.964	0.964
Average			0.383	0.383			1.076	10.760
			Calc	**Reported**			**Calc**	**Reported**
%RSD			5.67%	5.70%			7.12%	7.10%

SEMIVOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: S1
Tune File ID: S1F7240.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: S1F7241.D **Date:** 6/12/2008 **Page:**
Initial Calibration File ID: S1F7231.D **Date:** 6/11/2008 **Page:** 251
Associated Samples: All

CALIBRATION VERIFICATION:

Compound	Naphthalene				Pyrene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
20	622,702	687,175	0.906	0.906	567,458	525,221	1.080	1.080
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.924	**Calc**	**Reported**		1.140	**Calc**	**Reported**
			-1.93	1.90			-5.23	5.30

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Shames Drive

Water Semivolatile Organic Analyses – Method OLC3.2
Samples Collected: June 3, 2008
Samples Received: June 4, 2008
Sample Delivery Group: G0846
Laboratory Reference Numbers:

130173-MW-1-GW	G0846-02
130173-MW-1-GW MS	G0846-02 MS
130173-MW-1-GW MSD	G0846-02 MSD
130173-FB-6308	G0846-03
130173-MW-6-GW	G0846-04
130173-MW-66-GW	G0846-05
130173-MW-2-GW	G0846-06
130173-MW-5-GW	G0846-07

Water samples were validated for analyses of semivolatile organics by the US EPA Region II data validation SOP (HW-35, Revision 0). Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
- Calibrations
* - Laboratory Blanks
* - Laboratory Control Sample
- Surrogate Compound Recoveries
* - Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
* - Field Blank
* - Compound Identification
* - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The minor problems with the calibrations should be noted. These are discussed in detail below.

Holding Times

All samples were extracted and analyzed within the contractual and technical times required by the US EPA Region II protocols.

Continuous extraction of water samples for semivolatile analysis was started within 7 days of the date of collection.

Extracts were analyzed within 40 days of the date of extraction

Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

Surrogate Recoveries

All system monitoring compound recoveries were within the EPA Region II quality assurance limits with the following exceptions:

130173-MW-1-GW	G0846-02
130173-MW-1-GW MS	G0846-02 MS
130173-MW-1-GW MSD	G0846-02 MSD
130173-FB-6308	G0846-03
130173-MW-6-GW	G0846-04
130173-MW-66-GW	G0846-05
130173-MW-2-GW	G0846-06

All of the affected recoveries were just above the quality control limits.

The data were not qualified since the high recoveries were most likely due to increased extraction efficiency.

Matrix Spike / Matrix Spike Duplicate

Sample 130173-MW-1-GW (G0846-02) was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs were within the required limits with the one exception of the pentachlorophenol recovery in the matrix spike which was reported at the upper limit of 103%.

The data were not qualified.

Laboratory Control Sample

All recoveries were within the required limits.

Calibrations

The %RSDs of all compounds in the one initial calibration associated with the analysis of all of the samples were less than the required limits.

The percent difference of all compounds in the 1/29 continuing calibration associated with the analysis of samples –14, -05, -06, -05DL and -16DL were less than the 25% quality assurance limits with the exceptions of 2,4,5-trichlorophenol (30%) and4-nitroanaline (26%).

The data for these compounds were flagged with the “J” qualifier and are estimated values. The compounds were not detected in any of the samples.

Method Blanks

No target compounds were detected in the method blank.

Field Blank

No target compounds were detected in the field blank.

Internal Standard Areas and Retention Times

All internal standard recoveries and retention times were within the required limits.

Sample Results

No other problems were found with the results of any of the samples of this delivery group.

130173-MW-1-GW	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Lab Qual.
MW-1	1,1-Biphenyl	5	U			#9			<20.5%	<25%	#3		U
G0846-02A	1,2,4,5-Tetrachlorobenzene	5	U			#7			<20.5%	<25%	#3		U
6/3/2008	2,2-Oxybis(1-chloropropane)	5	U			#2			<50%	<25%	#1		U
µg/L	2,4,5-Trichlorophenol	20	U			#7			<20.5%	**30%**	#3	J	UJ
	2,4,6-Trichlorophenol	5	U			#7			<20.5%	<25%	#3		U
	2,4-Dichlorophenol	5	U			#7			<20.5%	<25%	#2		U
	2,4-Dimethylphenol	5	U			#4			<30%	<25%	#2		U
	2,4-Dinitrophenol	20	U			#11			<50%	<25%	#3		U
	2,4-Dinitrotoluene	5	U			#5			<30%	<25%	#3		U
	2,6-Dinitrotoluene	5	U			#5			<20.5%	<25%	#3		U
	2-Chloronaphthalene	5	U			#10			<20.5%	<25%	#3		U
	2-Chlorophenol	5	U			#3			<20.5%	<25%	#1		U
	2-Methylnaphthalene	5	U			#10			<20.5%	<25%	#2		U
	2-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	2-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	2-Nitrophenol	5	U			#6			<30%	<25%	#2		U
	3,3-Dichlorobenzidine	5	U			#8			<50%	<25%	#5		U
	3-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	4,6-Dinitro-2-methylphenol	20	U			#13			<50%	<25%	#4		U
	4-Bromophenyl-phenylether	5	U			#12			<20.5%	<25%	#4		U
	4-Chloro-3-methylphenol	5	U			#7			<20.5%	<25%	#2		U
	4-Chloroaniline	5	U			#8			<50%	<25%	#2		U
	4-Chlorophenyl-phenylether	5	U			#12			<20.5%	<25%	#3		U
	4-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	4-Nitroaniline	20	U			#11			<20.5%	**26%**	#3	J	UJ
	4-Nitrophenol	20	U			#11			<50%	<25%	#3		U
	Acenaphthene	5	U			#10			<20.5%	<25%	#3		U
	Acenaphthylene	5	U			#10			<20.5%	<25%	#3		U
	Acetophenone	5	U			#5			<50%	<25%	#1		U
	Anthracene	5	U			#14			<20.5%	<25%	#4		U
	Atrazine	5	U			#14			<20.5%	<25%	#4		U
	Benzaldehyde	5	U			#1			**<50%**	**<25%**	#1		U
	Benzo(a)anthracene	5	U			#15			<20.5%	<25%	#5		U
	Benzo(a)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(b)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(g,h,i)perylene	5	U			#17			<20.5%	<25%	#6		U
	Benzo(k)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Bis(2-chloroethoxy)methane	5	U			#2			<20.5%	<25%	#2		U
	Bis(2-chloroethyl)ether	5	U			#2			<20.5%	<25%	#1		U
	Bis(2-ethylhexyl)phthalate	5	U			#9			<20.5%	<25%	#5		U
	Butylbenzylphthalate	5	U			#9			<20.5%	<25%	#5		U
	Caprolactam	5	U			#9			<50%	<25%	#2		U
	Chrysene	5	U			#15			<20.5%	<25%	#5		U
	Di-n-butylphthalate	5	U			#9			<20.5%	<25%	#4		U
	Di-n-octylphthalate	5	U			#9			<20.5%	<25%	#6		U
	Dibenzo(a,h)anthracene	5	U			#16			<20.5%	<25%	#6		U
	Dibenzofuran	5	U			#12			<20.5%	<25%	#3		U
	Diethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Dimethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Fluoranthene	5	U			#15			<20.5%	<25%	#4		U
	Fluorene	5	U			#12			<20.5%	<25%	#3		U
	Hexachlorobenzene	5	U			#14			<20.5%	<25%	#4		U
	Hexachlorobutadiene	5	U			#7			<50%	<25%	#2		U
	Hexachlorocyclopentadiene	5	U			#8			<50%	<25%	#3		U
	Hexachloroethane	5	U			#5			<20.5%	<25%	#1		U
	Indeno(1,2,3-cd)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Isophorone	5	U			#6			<20.5%	<25%	#2		U
	N-Nitroso-di-n-propylamine	5	U			#5			<20.5%	<25%	#1		U
	N-Nitrosodiphenylamine	5	U			#5			<50%	<25%	#4		U
	Naphthalene	5	U			#10			<20.5%	<25%	#2		U
	Nitrobenzene	5	U			#5			<20.5%	<25%	#2		U
	Pentachlorophenol	5	U			#7			<50%	<25%	#4		U
	Phenanthrene	5	U			#14			<20.5%	<25%	#4		U
	Phenol	5	U			#1			<20.5%	<25%	#1		U
	Pyrene	5	U			#15			<20.5%	<25%	#5		U

130173-FB-6308	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Lab Qual.
Field Blank	1,1-Biphenyl	5	U			#9			<20.5%	<25%	#3		U
G0846-03A	1,2,4,5-Tetrachlorobenzene	5	U			#7			<20.5%	<25%	#3		U
6/3/2008	2,2-Oxybis(1-chloropropane)	5	U			#2			<50%	<25%	#1		U
µg/L	2,4,5-Trichlorophenol	20	U			#7			<20.5%	**30%**	#3	J	UJ
	2,4,6-Trichlorophenol	5	U			#7			<20.5%	<25%	#3		U
	2,4-Dichlorophenol	5	U			#7			<20.5%	<25%	#2		U
	2,4-Dimethylphenol	5	U			#4			<30%	<25%	#2		U
	2,4-Dinitrophenol	20	U			#11			<50%	<25%	#3		U
	2,4-Dinitrotoluene	5	U			#5			<30%	<25%	#3		U
	2,6-Dinitrotoluene	5	U			#5			<20.5%	<25%	#3		U
	2-Chloronaphthalene	5	U			#10			<20.5%	<25%	#3		U
	2-Chlorophenol	5	U			#3			<20.5%	<25%	#1		U
	2-Methylnaphthalene	5	U			#10			<20.5%	<25%	#2		U
	2-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	2-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	2-Nitrophenol	5	U			#6			<30%	<25%	#2		U
	3,3-Dichlorobenzidine	5	U			#8			<50%	<25%	#5		U
	3-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	4,6-Dinitro-2-methylphenol	20	U			#13			<50%	<25%	#4		U
	4-Bromophenyl-phenylether	5	U			#12			<20.5%	<25%	#4		U
	4-Chloro-3-methylphenol	5	U			#7			<20.5%	<25%	#2		U
	4-Chloroaniline	5	U			#8			<50%	<25%	#2		U
	4-Chlorophenyl-phenylether	5	U			#12			<20.5%	<25%	#3		U
	4-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	4-Nitroaniline	20	U			#11			<20.5%	**26%**	#3	J	UJ
	4-Nitrophenol	20	U			#11			<50%	<25%	#3		U
	Acenaphthene	5	U			#10			<20.5%	<25%	#3		U
	Acenaphthylene	5	U			#10			<20.5%	<25%	#3		U
	Acetophenone	5	U			#5			<50%	<25%	#1		U
	Anthracene	5	U			#14			<20.5%	<25%	#4		U
	Atrazine	5	U			#14			<20.5%	<25%	#4		U
	Benzaldehyde	5	U			#1			**<50%**	**<25%**	#1		U
	Benzo(a)anthracene	5	U			#15			<20.5%	<25%	#5		U
	Benzo(a)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(b)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(g,h,i)perylene	5	U			#17			<20.5%	<25%	#6		U
	Benzo(k)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Bis(2-chloroethoxy)methane	5	U			#2			<20.5%	<25%	#2		U
	Bis(2-chloroethyl)ether	5	U			#2			<20.5%	<25%	#1		U
	Bis(2-ethylhexyl)phthalate	5	U			#9			<20.5%	<25%	#5		U
	Butylbenzylphthalate	5	U			#9			<20.5%	<25%	#5		U
	Caprolactam	5	U			#9			<50%	<25%	#2		U
	Chrysene	5	U			#15			<20.5%	<25%	#5		U
	Di-n-butylphthalate	5	U			#9			<20.5%	<25%	#4		U
	Di-n-octylphthalate	5	U			#9			<20.5%	<25%	#6		U
	Dibenzo(a,h)anthracene	5	U			#16			<20.5%	<25%	#6		U
	Dibenzofuran	5	U			#12			<20.5%	<25%	#3		U
	Diethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Dimethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Fluoranthene	5	U			#15			<20.5%	<25%	#4		U
	Fluorene	5	U			#12			<20.5%	<25%	#3		U
	Hexachlorobenzene	5	U			#14			<20.5%	<25%	#4		U
	Hexachlorobutadiene	5	U			#7			<50%	<25%	#2		U
	Hexachlorocyclopentadiene	5	U			#8			<50%	<25%	#3		U
	Hexachloroethane	5	U			#5			<20.5%	<25%	#1		U
	Indeno(1,2,3-cd)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Isophorone	5	U			#6			<20.5%	<25%	#2		U
	N-Nitroso-di-n-propylamine	5	U			#5			<20.5%	<25%	#1		U
	N-Nitrosodiphenylamine	5	U			#5			<50%	<25%	#4		U
	Naphthalene	5	U			#10			<20.5%	<25%	#2		U
	Nitrobenzene	5	U			#5			<20.5%	<25%	#2		U
	Pentachlorophenol	5	U			#7			<50%	<25%	#4		U
	Phenanthrene	5	U			#14			<20.5%	<25%	#4		U
	Phenol	5	U			#1			<20.5%	<25%	#1		U
	Pyrene	5	U			#15			<20.5%	<25%	#5		U

130173-MW-6-GW	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Lab Qual.
MW-6	1,1-Biphenyl	5	U			#9			<20.5%	<25%	#3		U
G0846-04A	1,2,4,5-Tetrachlorobenzene	5	U			#7			<20.5%	<25%	#3		U
6/3/2008	2,2-Oxybis(1-chloropropane)	5	U			#2			<50%	<25%	#1		U
µg/L	2,4,5-Trichlorophenol	20	U			#7			<20.5%	**30%**	#3	J	UJ
	2,4,6-Trichlorophenol	5	U			#7			<20.5%	<25%	#3		U
	2,4-Dichlorophenol	5	U			#7			<20.5%	<25%	#2		U
	2,4-Dimethylphenol	5	U			#4			<30%	<25%	#2		U
	2,4-Dinitrophenol	20	U			#11			<50%	<25%	#3		U
	2,4-Dinitrotoluene	5	U			#5			<30%	<25%	#3		U
	2,6-Dinitrotoluene	5	U			#5			<20.5%	<25%	#3		U
	2-Chloronaphthalene	5	U			#10			<20.5%	<25%	#3		U
	2-Chlorophenol	5	U			#3			<20.5%	<25%	#1		U
	2-Methylnaphthalene	5	U			#10			<20.5%	<25%	#2		U
	2-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	2-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	2-Nitrophenol	5	U			#6			<30%	<25%	#2		U
	3,3-Dichlorobenzidine	5	U			#8			<50%	<25%	#5		U
	3-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	4,6-Dinitro-2-methylphenol	20	U			#13			<50%	<25%	#4		U
	4-Bromophenyl-phenylether	5	U			#12			<20.5%	<25%	#4		U
	4-Chloro-3-methylphenol	5	U			#7			<20.5%	<25%	#2		U
	4-Chloroaniline	5	U			#8			<50%	<25%	#2		U
	4-Chlorophenyl-phenylether	5	U			#12			<20.5%	<25%	#3		U
	4-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	4-Nitroaniline	20	U			#11			<20.5%	**26%**	#3	J	UJ
	4-Nitrophenol	20	U			#11			<50%	<25%	#3		U
	Acenaphthene	5	U			#10			<20.5%	<25%	#3		U
	Acenaphthylene	5	U			#10			<20.5%	<25%	#3		U
	Acetophenone	5	U			#5			<50%	<25%	#1		U
	Anthracene	5	U			#14			<20.5%	<25%	#4		U
	Atrazine	5	U			#14			<20.5%	<25%	#4		U
	Benzaldehyde	5	U			#1			**<50%**	**<25%**	#1		U
	Benzo(a)anthracene	5	U			#15			<20.5%	<25%	#5		U
	Benzo(a)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(b)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(g,h,i)perylene	5	U			#17			<20.5%	<25%	#6		U
	Benzo(k)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Bis(2-chloroethoxy)methane	5	U			#2			<20.5%	<25%	#2		U
	Bis(2-chloroethyl)ether	5	U			#2			<20.5%	<25%	#1		U
	Bis(2-ethylhexyl)phthalate	5	U			#9			<20.5%	<25%	#5		U
	Butylbenzylphthalate	5	U			#9			<20.5%	<25%	#5		U
	Caprolactam	5	U			#9			<50%	<25%	#2		U
	Chrysene	5	U			#15			<20.5%	<25%	#5		U
	Di-n-butylphthalate	5	U			#9			<20.5%	<25%	#4		U
	Di-n-octylphthalate	5	U			#9			<20.5%	<25%	#6		U
	Dibenzo(a,h)anthracene	5	U			#16			<20.5%	<25%	#6		U
	Dibenzofuran	5	U			#12			<20.5%	<25%	#3		U
	Diethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Dimethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Fluoranthene	5	U			#15			<20.5%	<25%	#4		U
	Fluorene	5	U			#12			<20.5%	<25%	#3		U
	Hexachlorobenzene	5	U			#14			<20.5%	<25%	#4		U
	Hexachlorobutadiene	5	U			#7			<50%	<25%	#2		U
	Hexachlorocyclopentadiene	5	U			#8			<50%	<25%	#3		U
	Hexachloroethane	5	U			#5			<20.5%	<25%	#1		U
	Indeno(1,2,3-cd)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Isophorone	5	U			#6			<20.5%	<25%	#2		U
	N-Nitroso-di-n-propylamine	5	U			#5			<20.5%	<25%	#1		U
	N-Nitrosodiphenylamine	5	U			#5			<50%	<25%	#4		U
	Naphthalene	5	U			#10			<20.5%	<25%	#2		U
	Nitrobenzene	5	U			#5			<20.5%	<25%	#2		U
	Pentachlorophenol	5	U			#7			<50%	<25%	#4		U
	Phenanthrene	5	U			#14			<20.5%	<25%	#4		U
	Phenol	5	U			#1			<20.5%	<25%	#1		U
	Pyrene	5	U			#15			<20.5%	<25%	#5		U

130173-MW66-GW	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Lab Qual.
MW-6	1,1-Biphenyl	5	U			#9			<20.5%	<25%	#3		U
G0846-05A	1,2,4,5-Tetrachlorobenzene	5	U			#7			<20.5%	<25%	#3		U
6/3/2008	2,2-Oxybis(1-chloropropane)	5	U			#2			<50%	<25%	#1		U
µg/L	2,4,5-Trichlorophenol	20	U			#7			<20.5%	**30%**	#3	J	UJ
	2,4,6-Trichlorophenol	5	U			#7			<20.5%	<25%	#3		U
	2,4-Dichlorophenol	5	U			#7			<20.5%	<25%	#2		U
	2,4-Dimethylphenol	5	U			#4			<30%	<25%	#2		U
	2,4-Dinitrophenol	20	U			#11			<50%	<25%	#3		U
	2,4-Dinitrotoluene	5	U			#5			<30%	<25%	#3		U
	2,6-Dinitrotoluene	5	U			#5			<20.5%	<25%	#3		U
	2-Chloronaphthalene	5	U			#10			<20.5%	<25%	#3		U
	2-Chlorophenol	5	U			#3			<20.5%	<25%	#1		U
	2-Methylnaphthalene	5	U			#10			<20.5%	<25%	#2		U
	2-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	2-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	2-Nitrophenol	5	U			#6			<30%	<25%	#2		U
	3,3-Dichlorobenzidine	5	U			#8			<50%	<25%	#5		U
	3-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	4,6-Dinitro-2-methylphenol	20	U			#13			<50%	<25%	#4		U
	4-Bromophenyl-phenylether	5	U			#12			<20.5%	<25%	#4		U
	4-Chloro-3-methylphenol	5	U			#7			<20.5%	<25%	#2		U
	4-Chloroaniline	5	U			#8			<50%	<25%	#2		U
	4-Chlorophenyl-phenylether	5	U			#12			<20.5%	<25%	#3		U
	4-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	4-Nitroaniline	20	U			#11			<20.5%	**26%**	#3	J	UJ
	4-Nitrophenol	20	U			#11			<50%	<25%	#3		U
	Acenaphthene	5	U			#10			<20.5%	<25%	#3		U
	Acenaphthylene	5	U			#10			<20.5%	<25%	#3		U
	Acetophenone	5	U			#5			<50%	<25%	#1		U
	Anthracene	5	U			#14			<20.5%	<25%	#4		U
	Atrazine	5	U			#14			<20.5%	<25%	#4		U
	Benzaldehyde	5	U			#1			**<50%**	**<25%**	#1		U
	Benzo(a)anthracene	5	U			#15			<20.5%	<25%	#5		U
	Benzo(a)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(b)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(g,h,i)perylene	5	U			#17			<20.5%	<25%	#6		U
	Benzo(k)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Bis(2-chloroethoxy)methane	5	U			#2			<20.5%	<25%	#2		U
	Bis(2-chloroethyl)ether	5	U			#2			<20.5%	<25%	#1		U
	Bis(2-ethylhexyl)phthalate	5	U			#9			<20.5%	<25%	#5		U
	Butylbenzylphthalate	5	U			#9			<20.5%	<25%	#5		U
	Caprolactam	5	U			#9			<50%	<25%	#2		U
	Chrysene	5	U			#15			<20.5%	<25%	#5		U
	Di-n-butylphthalate	5	U			#9			<20.5%	<25%	#4		U
	Di-n-octylphthalate	5	U			#9			<20.5%	<25%	#6		U
	Dibenzo(a,h)anthracene	5	U			#16			<20.5%	<25%	#6		U
	Dibenzofuran	5	U			#12			<20.5%	<25%	#3		U
	Diethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Dimethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Fluoranthene	5	U			#15			<20.5%	<25%	#4		U
	Fluorene	5	U			#12			<20.5%	<25%	#3		U
	Hexachlorobenzene	5	U			#14			<20.5%	<25%	#4		U
	Hexachlorobutadiene	5	U			#7			<50%	<25%	#2		U
	Hexachlorocyclopentadiene	5	U			#8			<50%	<25%	#3		U
	Hexachloroethane	5	U			#5			<20.5%	<25%	#1		U
	Indeno(1,2,3-cd)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Isophorone	5	U			#6			<20.5%	<25%	#2		U
	N-Nitroso-di-n-propylamine	5	U			#5			<20.5%	<25%	#1		U
	N-Nitrosodiphenylamine	5	U			#5			<50%	<25%	#4		U
	Naphthalene	5	U			#10			<20.5%	<25%	#2		U
	Nitrobenzene	5	U			#5			<20.5%	<25%	#2		U
	Pentachlorophenol	5	U			#7			<50%	<25%	#4		U
	Phenanthrene	5	U			#14			<20.5%	<25%	#4		U
	Phenol	5	U			#1			<20.5%	<25%	#1		U
	Pyrene	5	U			#15			<20.5%	<25%	#5		U

130173-MW-2-GW	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Lab Qual.
MW-2	1,1-Biphenyl	5	U			#9			<20.5%	<25%	#3		U
G0846-06C	1,2,4,5-Tetrachlorobenzene	5	U			#7			<20.5%	<25%	#3		U
6/3/2008	2,2-Oxybis(1-chloropropane)	5	U			#2			<50%	<25%	#1		U
µg/L	2,4,5-Trichlorophenol	20	U			#7			<20.5%	**30%**	#3	J	UJ
	2,4,6-Trichlorophenol	5	U			#7			<20.5%	<25%	#3		U
	2,4-Dichlorophenol	5	U			#7			<20.5%	<25%	#2		U
	2,4-Dimethylphenol	5	U			#4			<30%	<25%	#2		U
	2,4-Dinitrophenol	20	U			#11			<50%	<25%	#3		U
	2,4-Dinitrotoluene	5	U			#5			<30%	<25%	#3		U
	2,6-Dinitrotoluene	5	U			#5			<20.5%	<25%	#3		U
	2-Chloronaphthalene	5	U			#10			<20.5%	<25%	#3		U
	2-Chlorophenol	5	U			#3			<20.5%	<25%	#1		U
	2-Methylnaphthalene	5	U			#10			<20.5%	<25%	#2		U
	2-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	2-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	2-Nitrophenol	5	U			#6			<30%	<25%	#2		U
	3,3-Dichlorobenzidine	5	U			#8			<50%	<25%	#5		U
	3-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	4,6-Dinitro-2-methylphenol	20	U			#13			<50%	<25%	#4		U
	4-Bromophenyl-phenylether	5	U			#12			<20.5%	<25%	#4		U
	4-Chloro-3-methylphenol	5	U			#7			<20.5%	<25%	#2		U
	4-Chloroaniline	5	U			#8			<50%	<25%	#2		U
	4-Chlorophenyl-phenylether	5	U			#12			<20.5%	<25%	#3		U
	4-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	4-Nitroaniline	20	U			#11			<20.5%	**26%**	#3	J	UJ
	4-Nitrophenol	20	U			#11			<50%	<25%	#3		U
	Acenaphthene	5	U			#10			<20.5%	<25%	#3		U
	Acenaphthylene	5	U			#10			<20.5%	<25%	#3		U
	Acetophenone	5	U			#5			<50%	<25%	#1		U
	Anthracene	5	U			#14			<20.5%	<25%	#4		U
	Atrazine	5	U			#14			<20.5%	<25%	#4		U
	Benzaldehyde	5	U			#1			**<50%**	**<25%**	#1		U
	Benzo(a)anthracene	5	U			#15			<20.5%	<25%	#5		U
	Benzo(a)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(b)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(g,h,i)perylene	5	U			#17			<20.5%	<25%	#6		U
	Benzo(k)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Bis(2-chloroethoxy)methane	5	U			#2			<20.5%	<25%	#2		U
	Bis(2-chloroethyl)ether	5	U			#2			<20.5%	<25%	#1		U
	Bis(2-ethylhexyl)phthalate	5	U			#9			<20.5%	<25%	#5		U
	Butylbenzylphthalate	5	U			#9			<20.5%	<25%	#5		U
	Caprolactam	5	U			#9			<50%	<25%	#2		U
	Chrysene	5	U			#15			<20.5%	<25%	#5		U
	Di-n-butylphthalate	5	U			#9			<20.5%	<25%	#4		U
	Di-n-octylphthalate	5	U			#9			<20.5%	<25%	#6		U
	Dibenzo(a,h)anthracene	5	U			#16			<20.5%	<25%	#6		U
	Dibenzofuran	5	U			#12			<20.5%	<25%	#3		U
	Diethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Dimethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Fluoranthene	5	U			#15			<20.5%	<25%	#4		U
	Fluorene	5	U			#12			<20.5%	<25%	#3		U
	Hexachlorobenzene	5	U			#14			<20.5%	<25%	#4		U
	Hexachlorobutadiene	5	U			#7			<50%	<25%	#2		U
	Hexachlorocyclopentadiene	5	U			#8			<50%	<25%	#3		U
	Hexachloroethane	5	U			#5			<20.5%	<25%	#1		U
	Indeno(1,2,3-cd)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Isophorone	5	U			#6			<20.5%	<25%	#2		U
	N-Nitroso-di-n-propylamine	5	U			#5			<20.5%	<25%	#1		U
	N-Nitrosodiphenylamine	5	U			#5			<50%	<25%	#4		U
	Naphthalene	5	U			#10			<20.5%	<25%	#2		U
	Nitrobenzene	5	U			#5			<20.5%	<25%	#2		U
	Pentachlorophenol	5	U			#7			<50%	<25%	#4		U
	Phenanthrene	5	U			#14			<20.5%	<25%	#4		U
	Phenol	5	U			#1			<20.5%	<25%	#1		U
	Pyrene	5	U			#15			<20.5%	<25%	#5		U

130173-MW-5-GW	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Lab Qual.
MW-5	1,1-Biphenyl	5	U			#9			<20.5%	<25%	#3		U
G0846-07A	1,2,4,5-Tetrachlorobenzene	5	U			#7			<20.5%	<25%	#3		U
6/3/2008	2,2-Oxybis(1-chloropropane)	5	U			#2			<50%	<25%	#1		U
µg/L	2,4,5-Trichlorophenol	20	U			#7			<20.5%	**30%**	#3	J	UJ
	2,4,6-Trichlorophenol	5	U			#7			<20.5%	<25%	#3		U
	2,4-Dichlorophenol	5	U			#7			<20.5%	<25%	#2		U
	2,4-Dimethylphenol	5	U			#4			<30%	<25%	#2		U
	2,4-Dinitrophenol	20	U			#11			<50%	<25%	#3		U
	2,4-Dinitrotoluene	5	U			#5			<30%	<25%	#3		U
	2,6-Dinitrotoluene	5	U			#5			<20.5%	<25%	#3		U
	2-Chloronaphthalene	5	U			#10			<20.5%	<25%	#3		U
	2-Chlorophenol	5	U			#3			<20.5%	<25%	#1		U
	2-Methylnaphthalene	5	U			#10			<20.5%	<25%	#2		U
	2-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	2-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	2-Nitrophenol	5	U			#6			<30%	<25%	#2		U
	3,3-Dichlorobenzidine	5	U			#8			<50%	<25%	#5		U
	3-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	4,6-Dinitro-2-methylphenol	20	U			#13			<50%	<25%	#4		U
	4-Bromophenyl-phenylether	5	U			#12			<20.5%	<25%	#4		U
	4-Chloro-3-methylphenol	5	U			#7			<20.5%	<25%	#2		U
	4-Chloroaniline	5	U			#8			<50%	<25%	#2		U
	4-Chlorophenyl-phenylether	5	U			#12			<20.5%	<25%	#3		U
	4-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	4-Nitroaniline	20	U			#11			<20.5%	**26%**	#3	J	UJ
	4-Nitrophenol	20	U			#11			<50%	<25%	#3		U
	Acenaphthene	5	U			#10			<20.5%	<25%	#3		U
	Acenaphthylene	5	U			#10			<20.5%	<25%	#3		U
	Acetophenone	5	U			#5			<50%	<25%	#1		U
	Anthracene	5	U			#14			<20.5%	<25%	#4		U
	Atrazine	5	U			#14			<20.5%	<25%	#4		U
	Benzaldehyde	5	U			#1			**<50%**	**<25%**	#1		U
	Benzo(a)anthracene	5	U			#15			<20.5%	<25%	#5		U
	Benzo(a)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(b)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(g,h,i)perylene	5	U			#17			<20.5%	<25%	#6		U
	Benzo(k)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Bis(2-chloroethoxy)methane	5	U			#2			<20.5%	<25%	#2		U
	Bis(2-chloroethyl)ether	5	U			#2			<20.5%	<25%	#1		U
	Bis(2-ethylhexyl)phthalate	5	U			#9			<20.5%	<25%	#5		U
	Butylbenzylphthalate	5	U			#9			<20.5%	<25%	#5		U
	Caprolactam	5	U			#9			<50%	<25%	#2		U
	Chrysene	5	U			#15			<20.5%	<25%	#5		U
	Di-n-butylphthalate	5	U			#9			<20.5%	<25%	#4		U
	Di-n-octylphthalate	5	U			#9			<20.5%	<25%	#6		U
	Dibenzo(a,h)anthracene	5	U			#16			<20.5%	<25%	#6		U
	Dibenzofuran	5	U			#12			<20.5%	<25%	#3		U
	Diethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Dimethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Fluoranthene	5	U			#15			<20.5%	<25%	#4		U
	Fluorene	5	U			#12			<20.5%	<25%	#3		U
	Hexachlorobenzene	5	U			#14			<20.5%	<25%	#4		U
	Hexachlorobutadiene	5	U			#7			<50%	<25%	#2		U
	Hexachlorocyclopentadiene	5	U			#8			<50%	<25%	#3		U
	Hexachloroethane	5	U			#5			<20.5%	<25%	#1		U
	Indeno(1,2,3-cd)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Isophorone	5	U			#6			<20.5%	<25%	#2		U
	N-Nitroso-di-n-propylamine	5	U			#5			<20.5%	<25%	#1		U
	N-Nitrosodiphenylamine	5	U			#5			<50%	<25%	#4		U
	Naphthalene	5	U			#10			<20.5%	<25%	#2		U
	Nitrobenzene	5	U			#5			<20.5%	<25%	#2		U
	Pentachlorophenol	5	U			#7			<50%	<25%	#4		U
	Phenanthrene	5	U			#14			<20.5%	<25%	#4		U
	Phenol	5	U			#1			<20.5%	<25%	#1		U
	Pyrene	5	U			#15			<20.5%	<25%	#5		U

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive

Water Volatile Organic Analyses – Method OLC3.2
Samples Collected: June 3, 2008
Samples Received: June 4, 2008
Sample Delivery Group: G0846
Laboratory Reference Numbers:

130173-TB	G0846-01
130173-MW-1-GW	G0846-02
130173-MW-1-GW MS	G0846-02 MS
130173-MW-1-GW MSD	G0846-02 MSD
130173-FB-6308	G0846-03
130173-MW-6-GW	G0846-04
130173-MW-6-GW DL	G0846-04 DL
130173-MW-66-GW	G0846-05
130173-MW-66-GW DL	G0846-05 DL
130173-MW-2-GW	G0846-06
130173-MW-5-GW	G0846-07
Holding Blank	

Water samples were validated for analyses of the volatile organic TCL analyte list by method OLC03.2 SOP HW-34, Revision 0. A complete analytical validation was performed based upon the following parameters:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
- Calibrations
* - Laboratory Blanks
- Holding Blank
- Field Blank
* - Trip Blanks
* - Surrogate Recoveries
* - Internal Standard Recoveries
* - Matrix Spike / Matrix Spike Duplicate
* - Laboratory Control Sample Recoveries
* - Compound Identification
* - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The problems with the continuing calibration associated with sample 130173-MW-2-GW (G0846-06) should also be noted.

Holding Times

All samples were preserved and analyzed within the 14-day technical holding time.

System Monitoring Compound Recoveries

All system monitoring compound recoveries were within the EPA Region II quality assurance limits.

Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

Calibrations

All of the %RSDs were less than 30%, or 50% for poor performing compounds in the one initial calibration associated with the analyses of the samples.

All of the percent differences in the 6/05 continuing calibration associated with samples -01, -02, -03, -04, -05 and -07 were less than 30%, or 50% for poor performing compounds.

All of the percent differences in the 6/06 continuing calibration associated with samples -04DL, -05DL and -06 were less than 30%, or 50% for poor performing compounds with the exceptions of methyl acetate (34%), chlorobenzene (33%) and total xylenes (87%).

None of these compounds were detected in the samples. The data were flagged with the “J” qualifier and are estimated values.

All of the relative responses factors were above their required limits.

Matrix Spike / Matrix Spike Duplicate

Sample 130173-MW-1-GW (G0846-02) was analyzed for the matrix spike and matrix spike duplicate.

Only 1,1-dichloroethene, benzene, trichloroethene, toluene and chlorobenzene were included in the spiking solution.

All recoveries and RPDs were within the required limits.

Laboratory Control Samples

All laboratory control sample recoveries were within the required limits.

Method Blanks

No target compounds were detected in the method blanks.

Trip Blank

No compounds were detected in the trip blank.

Field Blank

Methylene chloride was detected in the field blank at a concentration of 0.78 ug/l.

This compound was not detected in any of the samples and the presence in the field blank did not affect the data.

Holding Blank

Methylene chloride was detected in the field blank at a concentration of 0.88 ug/l.

This compound was not detected in any of the samples and the presence in the field blank did not affect the data.

Internal Standard Areas and Retention Times

All internal standard recoveries were within the required limits.

Sample Results

No problems were detected with any of the sample data.

SUMMARY OF THE ANALYTICAL DATA USABILITY
NY Standard Motor Products Site
2-41-016

Air Volatile Organic Analyses
Samples Collected: January 17, 2008
Samples Received: January 19, 2008
Sample Delivery Group: Z1089
Laboratory Reference Numbers:

Z1089-01	46200-SB01-SB
Z1089-02	46200-SB02-SB
Z1089-03	46200-SB03-SB
Z1089-03 DL	46200-SB03-SB DL
Z1089-04	46200-SB04-SB
Z1089-05	46200-SB05-SB
Z1089-05 DL	46200-SB05-SB DL
Z1089-06	46200-SB06-SB
Z1089-06 DL	46200-SB06-SB DL
Z1089-07	46200-SB07-SB
Z1089-08	46200-SB08-SB
Z1089-08 DL	46200-SB08-SB DL
Z1089-09	46200-SB09-SB
Z1089-09 RE	46200-SB09-SB RE
Z1089-10	46200-SB10-SB
Z1089-10 RE	46200-SB10-SB RE
Z1089-11	46200-SB11-SB
Z1089-11 DL	46200-SB11-SB DL
Z1089-12	46200-SB12-SB
Z1089-12 RE	46200-SB12-SB RE
Z1089-13	46200-SB13-SB
Z1089-13 RE	46200-SB13-SB RE
Z1089-14	46200-SB14-SB
Z1089-14 RE	46200-SB14-SB RE
Z1089-15	46200-SB15-SB
Z1089-15 RE	46200-SB15-SB RE
Z1089-16	46200-SB16-SB
Z1089-17	46200-IA01-SB
Z1089-18	46200-IA02-SB
Z1089-19	46200-SBIA03-SB
Z1089-20	46200-AA-011708
Z1089-21	46200-SB33-SB
Z1089-21 DL	46200-SB33-SB DL
Z1089-22	46200-IA33-SB

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: V2
Level: Low
Tune File ID: V2K4431.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: V2K4421.D **Date:** 5/13/2008 **Page:** 116
Associated Samples: QC-B2, -01, -02, -03, -04, -05, -07, QC-C2, -04DL, -05DL, -06, VHBLKC2

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.050		Chlorobenzene	<30		>0.050	
1,1,2-Trichloro-1,2,2-trifluo	<30		>0.050		Chloroethane	<50		>0.010	
1,1,2-Trichloroethane	<30		>0.050		Chloroform	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		Chloromethane	<50		>0.010	
1,1-Dichloroethene	<30		>0.050		cis-1,2-Dichloroethene	<30		>0.050	
1,2,3-Trichlorobenzene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<50		>0.010	
1,2-Dibromo-3-chloropropa	<50		>0.010		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<50		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<50		>0.010		Methyl acetate	<30		>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-Dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanone	<50		>0.010		Methylene chloride	<30		>0.050	
2-Hexanone	<50		>0.010		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.010		Tetrachloroethene	<30		>0.050	
Acetone	<50		>0.010		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromochloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromodichloromethane	<30		>0.050		Trichloroethene	<30		>0.050	
Bromoform	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Bromomethane	<30		>0.050		Vinyl chloride	<30		>0.050	
Carbon disulfide	<50		>0.010		Xylenes (Total)	<30		>0.050	

CALIBRATION VERIFICATION:

	Compound Vinyl Chloride				Benzene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPBV								
0.5	11,317	750,218	0.151	0.151	95,952	508,072	1.889	1.889
1	31,844	726,844	0.219	0.219	192,268	490,943	1.958	1.958
5	172,946	673,646	0.257	0.257	961,065	475,715	2.020	2.020
10	345,915	752,684	0.230	0.230	1,882,625	513,153	1.834	1.834
25	824,033	747,158	0.221	0.221	4,438,080	528,083	1.681	1.681
Average			0.215	0.215			1.876	1.876
			Calc	**Reported**			**Calc**	**Reported**
%RSD			18.16%	18.20%			6.92%	6.90%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: V2
Level: Low
Tune File ID: V2K4621.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: V2K4622.D **Date:** 6/5/2008 **Page:** 134
Initial Calibration File ID: V2K4421.D **Date:** 5/13/2008 **Page:** 116
Associated Samples: QC-B2, -01, -02, -03, -04, -05, -07

COMPOUND LIST

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.050		Chlorobenzene	<30		>0.050	
1,1,2-Trichloro-1,2,2-trifluo	<30		>0.050		Chloroethane	<50		>0.010	
1,1,2-Trichloroethane	<30		>0.050		Chloroform	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		Chloromethane	<50		>0.010	
1,1-Dichloroethene	<30		>0.050		cis-1,2-Dichloroethene	<30		>0.050	
1,2,3-Trichlorobenzene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<50		>0.010	
1,2-Dibromo-3-chloroprop	<50		>0.010		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<50		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<50		>0.010		Methyl acetate	<30		>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-Dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanone	<50		>0.010		Methylene chloride	<30		>0.050	
2-Hexanone	<50		>0.010		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.010		Tetrachloroethene	<30		>0.050	
Acetone	<50		>0.010		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromochloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromodichloromethane	<30		>0.050		Trichloroethene	<30		>0.050	
Bromoform	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Bromomethane	<30		>0.050		Vinyl chloride	<30		>0.050	
Carbon disulfide	<50		>0.010		Xylenes (Total)	<30		>0.050	

CALIBRATION VERIFICATION:

Compound	Trichloroethene				Styrene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
5	256,028	491,046	0.521	0.521	400,293	491,046	0.815	0.815
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.555	**Calc**	**Reported**		0.758	**Calc**	**Reported**
			-6.06	6.00			7.54	7.60

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: V2
Level: Low
Tune File ID: V2K4641.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: V2K4642.D **Date:** 6/6/2008 **Page:** 137
Initial Calibration File ID: V2K4421.D **Date:** 5/13/2008 **Page:** 116
Associated Samples: QC-B2, -01, -02, -03, -04, -05, -07, QC-C2, -04DL, -05DL, -06, VHBLKC2

COMPOUND LIST

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.050		Chlorobenzene	<30	33%	>0.050	
1,1,2-Trichloro-1,2,2-trifluo	<30		>0.050		Chloroethane	<50		>0.010	
1,1,2-Trichloroethane	<30		>0.050		Chloroform	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		Chloromethane	<50		>0.010	
1,1-Dichloroethene	<30		>0.050		cis-1,2-Dichloroethene	<30		>0.050	
1,2,3-Trichlorobenzene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<50		>0.010	
1,2-Dibromo-3-chloroprop	<50		>0.010		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<50		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<50		>0.010		Methyl acetate	<30	34%	>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-Dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanone	<50		>0.010		Methylene chloride	<30		>0.050	
2-Hexanone	<50		>0.010		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.010		Tetrachloroethene	<30		>0.050	
Acetone	<50		>0.010		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromochloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromodichloromethane	<30		>0.050		Trichloroethene	<30		>0.050	
Bromoform	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Bromomethane	<30		>0.050		Vinyl chloride	<30		>0.050	
Carbon disulfide	<50		>0.010		Xylenes (Total)	<30	87%	>0.050	

CALIBRATION VERIFICATION:

Compound	1,2-Dichloroeethane				Ethyl Benzene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
10	164,255	660,928	0.249	0.249	860,055	470,400	1.828	1.828
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.243	**Calc**	**Reported**		2.050	**Calc**	**Reported**
			2.27	2.50			-10.81	10.80

130173-TB	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
Trip Blank	1,1,1-Trichloroethane	0.5	U										U
G0846-01A	1,1,2,2-Tetrachloroethane	0.5	U										U
6/3/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	U										U
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.5	U										U
	1,1-Dichloroethene	0.5	U										U
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U										U
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	0.5	U										U
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U										U
	Methyl tert-butyl ether	0.5	U										U
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.5	U										U
	Styrene	0.5	U										U
	Tetrachloroethene	0.5	U										U
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	0.5	U										U
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U										U

130173-MW-1-GW	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
MW-1	1,1,1-Trichloroethane	0.5	U										U
G0846-02A	1,1,2,2-Tetrachloroethane	0.5	U										U
6/3/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	U										U
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.5	U										U
	1,1-Dichloroethene	0.5	U										U
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U										U
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	0.5	U										U
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U										U
	Methyl tert-butyl ether	0.5	U										U
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.5	U										U
	Styrene	0.5	U										U
	Tetrachloroethene	2.8		2.8									
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	0.5	U										U
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U										U

130173-FB-6308	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
Field Blank	1,1,1-Trichloroethane	0.5	U										U
G0846-03A	1,1,2,2-Tetrachloroethane	0.5	U										U
6/3/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	U										U
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.5	U										U
	1,1-Dichloroethene	0.5	U										U
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U										U
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	0.5	U										U
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U										U
	Methyl tert-butyl ether	0.5	U										U
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.78		0.78									
	Styrene	0.5	U										U
	Tetrachloroethene	0.5	U										U
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	0.5	U										U
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U										U

130173-MW-6-GW	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
MW-6	1,1,1-Trichloroethane	1.4		1.4									
G0846-04A	1,1,2,2-Tetrachloroethane	0.5	U										U
6/3/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.59		0.59									
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.33	J	0.33									J
	1,1-Dichloroethene	0.92		0.92									
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U										U
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	**10**		10									
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U										U
	Methyl tert-butyl ether	0.4	J	0.4									J
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.5	U										U
	Styrene	0.5	U										U
2X Dilution	Tetrachloroethene	**21**	D	21									D
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	**7.8**		7.8									
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U										U

130173-MW66-GW	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
MW-6	1,1,1-Trichloroethane	1.4		1.4									
G0846-05A	1,1,2,2-Tetrachloroethane	0.5	U										U
6/3/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.63		0.63									
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.34	J	0.34									J
	1,1-Dichloroethene	0.66		0.66									
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U										U
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	**10**		10									
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U										U
	Methyl tert-butyl ether	0.41	J	0.41									J
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.5	U										U
	Styrene	0.5	U										U
2X Dilution	Tetrachloroethene	**23**	D										D
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	**7.6**		7.6									
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U										U

130173-MW-2-GW	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
MW-2	1,1,1-Trichloroethane	0.5	U										U
G0846-06C	1,1,2,2-Tetrachloroethane	0.5	U										U
6/3/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	U										U
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.5	U										U
	1,1-Dichloroethene	0.5	U										U
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U							33%		J	UJ
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	0.5	U										U
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U							34%		J	UJ
	Methyl tert-butyl ether	0.5	U										U
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.5	U										U
	Styrene	0.5	U										U
	Tetrachloroethene	**13**		13									
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	0.5	U										U
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U							87%		J	UJ

130173-MW-5-GW	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
MW-5	1,1,1-Trichloroethane	0.5	U										U
G0846-07A	1,1,2,2-Tetrachloroethane	0.5	U										U
6/3/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	U										U
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.5	U										U
	1,1-Dichloroethene	0.5	U										U
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U										U
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	0.5	U										U
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U										U
	Methyl tert-butyl ether	0.5	U										U
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.5	U										U
	Styrene	0.5	U										U
	Tetrachloroethene	0.5	U										U
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	0.5	U										U
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U										U

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Shames Drive

Total Metals Analyses
Samples Collected: June 4, 2008
Samples Received: June 5, 2008
Sample Delivery Group: G0859
Laboratory Reference Numbers:

130173-MW-4-GW	G0849-01
130173-FB-6408	G0849-02
130173-MW-3-GW	G0849-03
130173-MW-3-GW SD	G0849-03 SD

Water samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - Holding Times
* - Calibration Verification
  - CRDL Standard
* - Laboratory Control Sample
  - Serial Dilutions
* - Calibration Blanks
  - Field Blanks
* - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
* - ICP Interference Check Sample
* - Detection Limit Results
* - Linear Range
* - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

The problems with the CRDL standards and serial dilutions should be noted. These are described in detail below.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

The selenium was not recovered from the CRDL standard (0%) analyzed in the middle of the sample analysis. All of the selenium data were technically rejected (R).

The recovery of the mercury CRDL was 150%. Only low concentrations of mercury were detected in the sample. All of the mercury data were flagged with the "J" qualifier and are estimated values.

CRDL standards for cadmium and zinc were not found.

All other CRDL recoveries were within the required limits.

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

Zinc was detected in the field blank at a concentration of 52 ug/l. This was higher than the zinc concentrations in the other two samples (19.7 ug/l & 14 ug/l). The zinc data were flaged with the "R" qualifier and technically rejected.

No other compounds were detected in the field blank at concentrations above the CRDL.

ICP Interference Check Sample

No problems were detected with the reported ICP Interference Check Sample recoveries.

Matrix Spike Recovery

A matrix spike was not analyzed.

Duplicate Analysis

A matrix duplicate was not analyzed.

Laboratory Control Sample

No problems were detected with the recoveries of the LCS standards.

Serial Dilutions

Sample 130173-MW-3-GW (G0849-03) was used as the serial dilution. All of the relative percent differences which could be accurately calculated were less than 10% with the exception of zinc (105%).

The data for zinc were flagged with the “R” qualifier and technically rejected since the percent difference was above 100%.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

No problems were detected with any of these samples.

sample_id	param_name	cas_number	fraction	value_type	result_value	result_unit	lab_anl_method_code	analysis_date	analysis_time	test_type	lab_matrix_code	analysis_location	wet_or_dry_basis	dilution_factor	prep_date	prep_time	lab_name_code	qc_level	lab_sample_id	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	organic_Y/N	reporting_detection_limit	quantitation_limit	detection_limit_unit	qc_spike_added	qc_spike_measured	qc_spike_recovery	test_batch_type	test_batch_id
130173-FB-6408	1,1,1-Trichloroethane	71-55-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	1,1,2,2-Tetrachloroethane	79-34-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-FB-6408	1,1,2,2-Tetrachloroethane-d2	33685-54-0	T	actual	5.2629	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.14	ug/L	5	5.2629	105	analysis	29761
130173-FB-6408	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
130173-FB-6408	1,1,2-Trichloroethane	79-00-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	1,1-Dichloroethane	75-34-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	1,1-Dichloroethene	75-35-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29761
130173-FB-6408	1,1-Dichloroethene-d2	22280-73-5	T	actual	3.9368	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.25	ug/L	5	3.9368	79	analysis	29761
130173-FB-6408	1,2,3-Trichlorobenzene	87-61-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.079	ug/L				analysis	29761
130173-FB-6408	1,2,4-Trichlorobenzene	120-82-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
130173-FB-6408	1,2-Dibromo-3-chloropropane	96-12-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-FB-6408	1,2-Dibromoethane	106-93-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
130173-FB-6408	1,2-Dichlorobenzene	95-50-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	1,2-Dichlorobenzene-d4	2199-69-1	T	actual	5.1898	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.2	ug/L	5	5.1898	104	analysis	29761
130173-FB-6408	1,2-Dichloroethane	107-06-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	1,2-Dichloroethane-d4	17060-07-0	T	actual	5.4854	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.23	ug/L	5	5.4854	110	analysis	29761
130173-FB-6408	1,2-Dichloropropane	78-87-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-FB-6408	1,2-Dichloropropane-d6	93952-08-0	T	actual	5.0619	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.16	ug/L	5	5.0619	101	analysis	29761
130173-FB-6408	1,3-Dichlorobenzene	541-73-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-FB-6408	1,4-Dichlorobenzene	106-46-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.098	ug/L				analysis	29761
130173-FB-6408	2-Butanone	78-93-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	5	1.8	ug/L				analysis	29761
130173-FB-6408	2-Butanone-d5	24313-50-6	T	actual	6.8582	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	5	1	ug/L	5	6.8582	137	analysis	29761
130173-FB-6408	2-Hexanone	591-78-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	5	1.6	ug/L				analysis	29761
130173-FB-6408	2-Hexanone-d5	4840-82-8	T	actual	2.6661	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y	J		Y	5	0.9	ug/L	5	2.6661	53	analysis	29761
130173-FB-6408	4-Methyl-2-pentanone	108-10-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	5	1.1	ug/L				analysis	29761
130173-FB-6408	Acetone	67-64-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	5	3	ug/L				analysis	29761
130173-FB-6408	Benzene	71-43-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
130173-FB-6408	Benzene-d6	1076-43-3	T	actual	5.1149	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.13	ug/L	5	5.1149	102	analysis	29761
130173-FB-6408	Bromochloromethane	74-97-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	Bromodichloromethane	75-27-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	Bromoform	75-25-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.095	ug/L				analysis	29761
130173-FB-6408	Bromoform-d	2909-52-6	T	actual	5.0032	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.0032	100	analysis	29761
130173-FB-6408	Bromomethane	74-83-9	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29761
130173-FB-6408	Carbon disulfide	75-15-0	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.16	ug/L				analysis	29761
130173-FB-6408	Carbon tetrachloride	56-23-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-FB-6408	Chlorobenzene	108-90-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.17	ug/L				analysis	29761
130173-FB-6408	Chloroethane	75-00-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
130173-FB-6408	Chloroethane-d5	19199-91-8	T	actual	5.5883	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.21	ug/L	5	5.5883	112	analysis	29761
130173-FB-6408	Chloroform	67-66-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-FB-6408	Chloroform-d	865-49-6	T	actual	5.249	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.249	105	analysis	29761
130173-FB-6408	Chloromethane	74-87-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29761
130173-FB-6408	cis-1,2-Dichloroethene	156-59-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-FB-6408	cis-1,3-Dichloropropene	10061-01-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.096	ug/L				analysis	29761
130173-FB-6408	Cyclohexane	110-82-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	Dibromochloromethane	124-48-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	Dichlorodifluoromethane	75-71-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-FB-6408	Ethylbenzene	100-41-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-FB-6408	Isopropylbenzene	98-82-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	Methyl acetate	79-20-9	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.49	ug/L				analysis	29761
130173-FB-6408	Methyl tert-butyl ether	1634-04-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-FB-6408	Methylcyclohexane	108-87-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.097	ug/L				analysis	29761
130173-FB-6408	Methylene chloride	75-09-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
130173-FB-6408	Styrene	100-42-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	Tetrachloroethene	127-18-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	Toluene	108-88-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-FB-6408	Toluene-d8	2037-26-5	T	actual	5.1224	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.1224	102	analysis	29761
130173-FB-6408	trans-1,2-Dichloroethene	156-60-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-FB-6408	trans-1,3-Dichloropropene	10061-02-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-FB-6408	trans-1,3-Dichloropropene-d4	93951-86-1	T	actual	5.0365	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.19	ug/L	5	5.0365	101	analysis	29761
130173-FB-6408	Trichloroethene	79-01-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-FB-6408	Trichlorofluoromethane	75-69-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29761
130173-FB-6408	Vinyl chloride	75-01-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
130173-FB-6408	Vinyl chloride-d3	6745-35-3	T	actual	5.1386	ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	SUR	Y	Y			Y	0.5	0.44	ug/L	5	5.1386	103	analysis	29761
130173-FB-6408	Xylenes (Total)		T	actual		ug/L	OLC3.2_VOA	6/5/2008	19:29	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-02A	TRG	Y	N	U		Y	0.5	0.35	ug/L				analysis	29761
130173-MW-3-GW	1,1,1-Trichloroethane	71-55-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	1,1,2,2-Tetrachloroethane	79-34-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-MW-3-GW	1,1,2,2-Tetrachloroethane-d2	33685-54-0	T	actual	5.1475	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.14	ug/L	5	5.1475	103	analysis	29761
130173-MW-3-GW	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
130173-MW-3-GW	1,1,2-Trichloroethane	79-00-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	1,1-Dichloroethane	75-34-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	1,1-Dichloroethene	75-35-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29761
130173-MW-3-GW	1,1-Dichloroethene-d2	22280-73-5	T	actual	4.052	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.25	ug/L	5	4.052	81	analysis	29761
130173-MW-3-GW	1,2,3-Trichlorobenzene	87-61-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.079	ug/L				analysis	29761
130173-MW-3-GW	1,2,4-Trichlorobenzene	120-82-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
130173-MW-3-GW	1,2-Dibromo-3-chloropropane	96-12-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-MW-3-GW	1,2-Dibromoethane	106-93-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
130173-MW-3-GW	1,2-Dichlorobenzene	95-50-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	1,2-Dichlorobenzene-d4	2199-69-1	T	actual	5.2472	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.2	ug/L	5	5.2472	105	analysis	29761
130173-MW-3-GW	1,2-Dichloroethane	107-06-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	1,2-Dichloroethane-d4	17060-07-0	T	actual	5.5004	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.23	ug/L	5	5.5004	110	analysis	29761
130173-MW-3-GW	1,2-Dichloropropane	78-87-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-MW-3-GW	1,2-Dichloropropane-d6	93952-08-0	T	actual	5.1678	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.16	ug/L	5	5.1678	103	analysis	29761
130173-MW-3-GW	1,3-Dichlorobenzene	541-73-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-MW-3-GW	1,4-Dichlorobenzene	106-46-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.098	ug/L				analysis	29761
130173-MW-3-GW	2-Butanone	78-93-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	5	1.8	ug/L				analysis	29761
130173-MW-3-GW	2-Butanone-d5	24313-50-6	T	actual	6.7799	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	5	1	ug/L	5	6.7799	136	analysis	29761
130173-MW-3-GW	2-Hexanone	591-78-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	5	1.6	ug/L				analysis	29761
130173-MW-3-GW	2-Hexanone-d5	4840-82-8	T	actual	2.9754	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y	J		Y	5	0.9	ug/L	5	2.9754	60	analysis	29761
130173-MW-3-GW	4-Methyl-2-pentanone	108-10-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	5	1.1	ug/L				analysis	29761
130173-MW-3-GW	Acetone	67-64-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	5	3	ug/L				analysis	29761
130173-MW-3-GW	Benzene	71-43-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
130173-MW-3-GW	Benzene-d6	1076-43-3	T	actual	5.2426	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.13	ug/L	5	5.2426	105	analysis	29761
130173-MW-3-GW	Bromochloromethane	74-97-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	Bromodichloromethane	75-27-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	Bromoform	75-25-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1

sample_id	param_name	cas_number	fraction	value_type	result_value	result_unit	lab_anl_method_code	analysis_date	analysis_time	test_type	lab_matrix_code	analysis_location	wet_or_dry_basis	dilution_factor	prep_date	prep_time	lab_name_code	qc_level	lab_sample_id	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	organic_Y/N	reporting_detection_limit	reporting_quantitation_limit	detection_limit_unit	qc_spike_added	qc_spike_measured	qc_spike_recovery	test_batch_type	test_batch_id
130173-MW-3-GW	Chloroform	67-66-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-MW-3-GW	Chloroform-d	865-49-6	T	actual	5.2982	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.2982	106	analysis	29761
130173-MW-3-GW	Chloromethane	74-87-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29761
130173-MW-3-GW	cis-1,2-Dichloroethene	156-59-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-MW-3-GW	cis-1,3-Dichloropropene	10061-01-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.096	ug/L				analysis	29761
130173-MW-3-GW	Cyclohexane	110-82-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	Dibromochloromethane	124-48-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	Dichlorodifluoromethane	75-71-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-MW-3-GW	Ethylbenzene	100-41-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-MW-3-GW	Isopropylbenzene	98-82-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	Methyl acetate	79-20-9	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.49	ug/L				analysis	29761
130173-MW-3-GW	Methyl tert-butyl ether	1634-04-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-MW-3-GW	Methylcyclohexane	108-87-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.097	ug/L				analysis	29761
130173-MW-3-GW	Methylene chloride	75-09-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
130173-MW-3-GW	Styrene	100-42-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	Tetrachloroethene	127-18-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	Toluene	108-88-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
130173-MW-3-GW	Toluene-d8	2037-26-5	T	actual	5.1245	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.1245	102	analysis	29761
130173-MW-3-GW	trans-1,2-Dichloroethene	156-60-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
130173-MW-3-GW	trans-1,3-Dichloropropene	10061-02-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-MW-3-GW	trans-1,3-Dichloropropene-d4	93951-86-1	T	actual	4.783	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.19	ug/L	5	4.783	96	analysis	29761
130173-MW-3-GW	Trichloroethene	79-01-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
130173-MW-3-GW	Trichlorofluoromethane	75-69-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29761
130173-MW-3-GW	Vinyl chloride	75-01-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
130173-MW-3-GW	Vinyl chloride-d3	6745-35-3	T	actual	5.1017	ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	SUR	Y	Y			Y	0.5	0.44	ug/L	5	5.1017	102	analysis	29761
130173-MW-3-GW	Xylenes (Total)		T	actual		ug/L	OLC3.2_VOA	6/5/2008	20:00	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	G0859-03A	TRG	Y	N	U		Y	0.5	0.35	ug/L				analysis	29761
130173-MW-4-GW	Potassium	9/7/7440	T	actual	1830	ug/L	ILM4.1_ICP_W	6/5/2008	16:16	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y	B		N	5000	34.8	ug/L				analysis	29764
130173-MW-4-GW	Sodium	7440-23-5	T	actual	11900	ug/L	ILM4.1_ICP_W	6/5/2008	16:16	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y			N	5000	18.9	ug/L				analysis	29764
130173-FB-6408	Potassium	9/7/7440	T	actual		ug/L	ILM4.1_ICP_W	6/5/2008	16:18	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	5000	34.8	ug/L				analysis	29764
130173-FB-6408	Sodium	7440-23-5	T	actual	77.6	ug/L	ILM4.1_ICP_W	6/5/2008	16:18	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	5000	18.9	ug/L				analysis	29764
130173-MW-3-GW	Potassium	9/7/7440	T	actual	1520	ug/L	ILM4.1_ICP_W	6/5/2008	16:21	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	5000	34.8	ug/L				analysis	29764
130173-MW-3-GW	Sodium	7440-23-5	T	actual	14700	ug/L	ILM4.1_ICP_W	6/5/2008	16:21	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y			N	5000	18.9	ug/L				analysis	29764
130173-MW-3-GWSD	Potassium	9/7/7440	T	actual	1351.94	ug/L	ILM4.1_ICP_W	6/5/2008	16:23	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	34.85	ug/L				analysis	29764
130173-MW-3-GWSD	Sodium	7440-23-5	T	actual	14760.36	ug/L	ILM4.1_ICP_W	6/5/2008	16:23	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	18.87	ug/L				analysis	29764
130173-MW-4-GW	Mercury	7439-97-6	T	actual	0.098	ug/L	ILM4.1_HG_W	6/6/2008	10:58	initial	W	LB	NA	1	6/5/2008	11:20	MITKEM	definitive	G0859-01C	TRG	Y	Y	B		N	0.2	0.06	ug/L				analysis	29766
130173-FB-6408	Mercury	7439-97-6	T	actual	0.11	ug/L	ILM4.1_HG_W	6/6/2008	11:00	initial	W	LB	NA	1	6/5/2008	11:20	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	0.2	0.06	ug/L				analysis	29766
130173-MW-3-GW	Mercury	7439-97-6	T	actual	0.094	ug/L	ILM4.1_HG_W	6/6/2008	11:01	initial	W	LB	NA	1	6/5/2008	11:20	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	0.2	0.06	ug/L				analysis	29766
130173-MW-4-GW	1,1,1-Trichloroethane	71-55-6	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	1,1,2,2-Tetrachloroethane	79-34-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
130173-MW-4-GW	1,1,2,2-Tetrachloroethane-d2	33685-54-0	T	actual	5.0245	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.14	ug/L	5	5.0245	100	analysis	29789
130173-MW-4-GW	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29789
130173-MW-4-GW	1,1,2-Trichloroethane	79-00-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	1,1-Dichloroethane	75-34-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	1,1-Dichloroethene	75-35-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29789
130173-MW-4-GW	1,1-Dichloroethene-d2	22280-73-5	T	actual	3.9194	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.25	ug/L	5	3.9194	78	analysis	29789
130173-MW-4-GW	1,2,3-Trichlorobenzene	87-61-6	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.079	ug/L				analysis	29789
130173-MW-4-GW	1,2,4-Trichlorobenzene	120-82-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29789
130173-MW-4-GW	1,2-Dibromo-3-chloropropane	96-12-8	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
130173-MW-4-GW	1,2-Dibromoethane	106-93-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29789
130173-MW-4-GW	1,2-Dichlorobenzene	95-50-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	1,2-Dichlorobenzene-d4	2199-69-1	T	actual	5.3284	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.2	ug/L	5	5.3284	107	analysis	29789
130173-MW-4-GW	1,2-Dichloroethane	107-06-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	1,2-Dichloroethane-d4	17060-07-0	T	actual	5.1988	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.23	ug/L	5	5.1988	104	analysis	29789
130173-MW-4-GW	1,2-Dichloropropane	78-87-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
130173-MW-4-GW	1,2-Dichloropropane-d6	93952-08-0	T	actual	5.403	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.16	ug/L	5	5.403	108	analysis	29789
130173-MW-4-GW	1,3-Dichlorobenzene	541-73-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
130173-MW-4-GW	1,4-Dichlorobenzene	106-46-7	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.098	ug/L				analysis	29789
130173-MW-4-GW	2-Butanone	78-93-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	5	1.8	ug/L				analysis	29789
130173-MW-4-GW	2-Butanone-d5	24313-50-6	T	actual	8.0838	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	5	1	ug/L	5	8.0838	162	analysis	29789
130173-MW-4-GW	2-Hexanone	591-78-6	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	5	1.6	ug/L				analysis	29789
130173-MW-4-GW	2-Hexanone-d5	4840-82-8	T	actual	5.9737	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	5	0.9	ug/L	5	5.9737	119	analysis	29789
130173-MW-4-GW	4-Methyl-2-pentanone	108-10-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	5	1.1	ug/L				analysis	29789
130173-MW-4-GW	Acetone	67-64-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	5	3	ug/L				analysis	29789
130173-MW-4-GW	Benzene	71-43-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29789
130173-MW-4-GW	Benzene-d6	1076-43-3	T	actual	4.7131	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.13	ug/L	5	4.7131	94	analysis	29789
130173-MW-4-GW	Bromochloromethane	74-97-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	Bromodichloromethane	75-27-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	Bromoform	75-25-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.095	ug/L				analysis	29789
130173-MW-4-GW	Bromoform-d	2909-52-6	T	actual	4.9066	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.17	ug/L	5	4.9066	98	analysis	29789
130173-MW-4-GW	Bromomethane	74-83-9	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29789
130173-MW-4-GW	Carbon disulfide	75-15-0	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.16	ug/L				analysis	29789
130173-MW-4-GW	Carbon tetrachloride	56-23-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
130173-MW-4-GW	Chlorobenzene	108-90-7	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.17	ug/L				analysis	29789
130173-MW-4-GW	Chloroethane	75-00-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29789
130173-MW-4-GW	Chloroethane-d5	19199-91-8	T	actual	4.9557	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.21	ug/L	5	4.9557	99	analysis	29789
130173-MW-4-GW	Chloroform	67-66-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
130173-MW-4-GW	Chloroform-d	865-49-6	T	actual	5.0757	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.0757	102	analysis	29789
130173-MW-4-GW	Chloromethane	74-87-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29789
130173-MW-4-GW	cis-1,2-Dichloroethene	156-59-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
130173-MW-4-GW	cis-1,3-Dichloropropene	10061-01-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.096	ug/L				analysis	29789
130173-MW-4-GW	Cyclohexane	110-82-7	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	Dibromochloromethane	124-48-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	Dichlorodifluoromethane	75-71-8	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
130173-MW-4-GW	Ethylbenzene	100-41-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
130173-MW-4-GW	Isopropylbenzene	98-82-8	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	Methyl acetate	79-20-9	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.49	ug/L				analysis	29789
130173-MW-4-GW	Methyl tert-butyl ether	1634-04-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
130173-MW-4-GW	Methylcyclohexane	108-87-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.097	ug/L				analysis	29789
130173-MW-4-GW	Methylene chloride	75-09-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29789
130173-MW-4-GW	Styrene	100-42-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	Tetrachloroethene	127-18-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	Toluene	108-88-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
130173-MW-4-GW	Toluene-d8	2037-26-5	T	actual	5.1991	ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.1991	104	analysis	29789
130173-MW-4-GW	trans-1,2-Dichloroethene	156-60-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
130173-MW-4-GW	trans-1,3-Dichloropropene	10061-02-6	T	actual		ug/L	OLC3.2_VOA	6/6/2008	12:01	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	G0859-01A	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
130173-MW-4-GW	trans-1,3-Dichloropropene-d4	93951-86-1	T	actual	5.0684	ug/L	OLC3.2

sample_id	param_name	cas_number	fraction	value_type	result_value	result_unit	lab_anl_method_code	analysis_date	analysis_time	test_type	lab_matrix_code	analysis_location	wet_or_dry_basis	dilution_factor	prep_date	prep_time	lab_name_code	qc_level	lab_sample_id	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	organic_Y/N	reporting_detection_limit	quantitation_limit	detection_limit_unit	qc_spike_added	qc_spike_measured	qc_spike_recovery	test_batch_type	test_batch_id
130173-MW-4-GW	Antimony	7440-36-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	N	U		N	60	2	ug/L				analysis	29811
130173-MW-4-GW	Arsenic	7440-38-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	N	U		N	10	2.5	ug/L				analysis	29811
130173-MW-4-GW	Barium	7440-39-3	T	actual	44	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y	B		N	200	0.18	ug/L				analysis	29811
130173-MW-4-GW	Beryllium	7440-41-7	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	N	U		N	5	0.03	ug/L				analysis	29811
130173-MW-4-GW	Cadmium	7440-43-9	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	N	U		N	5	0.13	ug/L				analysis	29811
130173-MW-4-GW	Calcium	7440-70-2	T	actual	13400	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y			N	5000	73	ug/L				analysis	29811
130173-MW-4-GW	Chromium	7440-47-3	T	actual	16.6	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y			N	10	0.16	ug/L				analysis	29811
130173-MW-4-GW	Cobalt	7440-48-4	T	actual	0.73	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y	B		N	50	0.21	ug/L				analysis	29811
130173-MW-4-GW	Copper	7440-50-8	T	actual	5.2	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y	B		N	25	0.67	ug/L				analysis	29811
130173-MW-4-GW	Iron	7439-89-6	T	actual	363	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y			N	100	0.68	ug/L				analysis	29811
130173-MW-4-GW	Lead	7439-92-1	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	N	U		N	3	1.3	ug/L				analysis	29811
130173-MW-4-GW	Magnesium	7439-95-4	T	actual	3450	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y	B		N	5000	6.4	ug/L				analysis	29811
130173-MW-4-GW	Manganese	7439-96-5	T	actual	29.9	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y			N	15	1.1	ug/L				analysis	29811
130173-MW-4-GW	Nickel	7440-02-0	T	actual	11.8	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y	B		N	40	0.35	ug/L				analysis	29811
130173-MW-4-GW	Selenium	7782-49-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	N	U		N	5	4.8	ug/L				analysis	29811
130173-MW-4-GW	Silver	7440-22-4	T	actual	3.5	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y	B		N	10	0.45	ug/L				analysis	29811
130173-MW-4-GW	Thallium	7440-28-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	N	U		N	10	2.3	ug/L				analysis	29811
130173-MW-4-GW	Vanadium	7440-62-2	T	actual	0.78	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y	B		N	50	0.5	ug/L				analysis	29811
130173-MW-4-GW	Zinc	7440-66-6	T	actual	19.7	ug/L	ILM4.1_ICP_W	6/6/2008	10:17	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-01C	TRG	Y	Y	BE		N	20	0.23	ug/L				analysis	29811
130173-FB-6408	Aluminum	7429-90-5	T	actual	20	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	200	7.6	ug/L				analysis	29811
130173-FB-6408	Antimony	7440-36-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	60	2	ug/L				analysis	29811
130173-FB-6408	Arsenic	7440-38-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	10	2.5	ug/L				analysis	29811
130173-FB-6408	Barium	7440-39-3	T	actual	0.75	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	200	0.18	ug/L				analysis	29811
130173-FB-6408	Beryllium	7440-41-7	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	5	0.03	ug/L				analysis	29811
130173-FB-6408	Cadmium	7440-43-9	T	actual	0.16	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	5	0.13	ug/L				analysis	29811
130173-FB-6408	Calcium	7440-70-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	5000	73	ug/L				analysis	29811
130173-FB-6408	Chromium	7440-47-3	T	actual	0.37	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	10	0.16	ug/L				analysis	29811
130173-FB-6408	Cobalt	7440-48-4	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	50	0.21	ug/L				analysis	29811
130173-FB-6408	Copper	7440-50-8	T	actual	2.8	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	25	0.67	ug/L				analysis	29811
130173-FB-6408	Iron	7439-89-6	T	actual	14.6	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	100	0.68	ug/L				analysis	29811
130173-FB-6408	Lead	7439-92-1	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	3	1.3	ug/L				analysis	29811
130173-FB-6408	Magnesium	7439-95-4	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	5000	6.4	ug/L				analysis	29811
130173-FB-6408	Manganese	7439-96-5	T	actual	1.7	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	15	1.1	ug/L				analysis	29811
130173-FB-6408	Nickel	7440-02-0	T	actual	0.55	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	40	0.35	ug/L				analysis	29811
130173-FB-6408	Selenium	7782-49-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	5	4.8	ug/L				analysis	29811
130173-FB-6408	Silver	7440-22-4	T	actual	3.4	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	B		N	10	0.45	ug/L				analysis	29811
130173-FB-6408	Thallium	7440-28-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	10	2.3	ug/L				analysis	29811
130173-FB-6408	Vanadium	7440-62-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	N	U		N	50	0.5	ug/L				analysis	29811
130173-FB-6408	Zinc	7440-66-6	T	actual	52.2	ug/L	ILM4.1_ICP_W	6/6/2008	10:20	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-02C	TRG	Y	Y	E		N	20	0.23	ug/L				analysis	29811
130173-MW-3-GW	Aluminum	7429-90-5	T	actual	38.1	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	200	7.6	ug/L				analysis	29811
130173-MW-3-GW	Antimony	7440-36-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	N	U		N	60	2	ug/L				analysis	29811
130173-MW-3-GW	Arsenic	7440-38-2	T	actual	2.5	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	10	2.5	ug/L				analysis	29811
130173-MW-3-GW	Barium	7440-39-3	T	actual	34	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	200	0.18	ug/L				analysis	29811
130173-MW-3-GW	Beryllium	7440-41-7	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	N	U		N	5	0.03	ug/L				analysis	29811
130173-MW-3-GW	Cadmium	7440-43-9	T	actual	0.19	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	5	0.13	ug/L				analysis	29811
130173-MW-3-GW	Calcium	7440-70-2	T	actual	13100	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y			N	5000	73	ug/L				analysis	29811
130173-MW-3-GW	Chromium	7440-47-3	T	actual	7	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	10	0.16	ug/L				analysis	29811
130173-MW-3-GW	Cobalt	7440-48-4	T	actual	0.28	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	50	0.21	ug/L				analysis	29811
130173-MW-3-GW	Copper	7440-50-8	T	actual	3	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	25	0.67	ug/L				analysis	29811
130173-MW-3-GW	Iron	7439-89-6	T	actual	130	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y			N	100	0.68	ug/L				analysis	29811
130173-MW-3-GW	Lead	7439-92-1	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	N	U		N	3	1.3	ug/L				analysis	29811
130173-MW-3-GW	Magnesium	7439-95-4	T	actual	2840	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	5000	6.4	ug/L				analysis	29811
130173-MW-3-GW	Manganese	7439-96-5	T	actual	6.8	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	15	1.1	ug/L				analysis	29811
130173-MW-3-GW	Nickel	7440-02-0	T	actual	5.3	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	40	0.35	ug/L				analysis	29811
130173-MW-3-GW	Selenium	7782-49-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	N	U		N	5	4.8	ug/L				analysis	29811
130173-MW-3-GW	Silver	7440-22-4	T	actual	2.2	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	B		N	10	0.45	ug/L				analysis	29811
130173-MW-3-GW	Thallium	7440-28-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	N	U		N	10	2.3	ug/L				analysis	29811
130173-MW-3-GW	Vanadium	7440-62-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	N	U		N	50	0.5	ug/L				analysis	29811
130173-MW-3-GW	Zinc	7440-66-6	T	actual	14	ug/L	ILM4.1_ICP_W	6/6/2008	10:23	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	G0859-03C	TRG	Y	Y	BE		N	20	0.23	ug/L				analysis	29811
130173-MW-3-GWSD	Aluminum	7429-90-5	T	actual	109.88	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	7.6	ug/L				analysis	29811
130173-MW-3-GWSD	Antimony	7440-36-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	1.99	ug/L				analysis	29811
130173-MW-3-GWSD	Arsenic	7440-38-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	2.48	ug/L				analysis	29811
130173-MW-3-GWSD	Barium	7440-39-3	T	actual	34.94	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	0.18	ug/L				analysis	29811
130173-MW-3-GWSD	Beryllium	7440-41-7	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	0.03	ug/L				analysis	29811
130173-MW-3-GWSD	Cadmium	7440-43-9	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	0.13	ug/L				analysis	29811
130173-MW-3-GWSD	Calcium	7440-70-2	T	actual	12453.03	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	72.98	ug/L				analysis	29811
130173-MW-3-GWSD	Chromium	7440-47-3	T	actual	7.56	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	0.16	ug/L				analysis	29811
130173-MW-3-GWSD	Cobalt	7440-48-4	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	0.21	ug/L				analysis	29811
130173-MW-3-GWSD	Copper	7440-50-8	T	actual	7.26	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	0.67	ug/L				analysis	29811
130173-MW-3-GWSD	Iron	7439-89-6	T	actual	136.42	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	0.68	ug/L				analysis	29811
130173-MW-3-GWSD	Lead	7439-92-1	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	1.28	ug/L				analysis	29811
130173-MW-3-GWSD	Magnesium	7439-95-4	T	actual	2894.78	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	6.37	ug/L				analysis	29811
130173-MW-3-GWSD	Manganese	7439-96-5	T	actual	6.64	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	1.07	ug/L				analysis	29811
130173-MW-3-GWSD	Nickel	7440-02-0	T	actual	4.67	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	0.35	ug/L				analysis	29811
130173-MW-3-GWSD	Selenium	7782-49-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	4.75	ug/L				analysis	29811
130173-MW-3-GWSD	Silver	7440-22-4	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	0.45	ug/L				analysis	29811
130173-MW-3-GWSD	Thallium	7440-28-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	2.33	ug/L				analysis	29811
130173-MW-3-GWSD	Vanadium	7440-62-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	N	U		N	0	0.5	ug/L				analysis	29811
130173-MW-3-GWSD	Zinc	7440-66-6	T	actual	28.67	ug/L	ILM4.1_ICP_W	6/6/2008	10:26	initial	W	LB	NA	5	6/5/2008	9:50	MITKEM	definitive	G0859-03CSD	TRG	Y	Y			N	0	0.23	ug/L				analysis	29811
130173-MW-4-GW	1,1'-Biphenyl	92-52-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-4-GW	1,2,4,5-Tetrachlorobenzene	95-94-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.098	ug/L				analysis	29909
130173-MW-4-GW	2,2'-oxybis(1-Chloropropane)	108-60-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.091	ug/L				analysis	29909
130173-MW-4-GW	2,4,5-Trichlorophenol	95-95-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	20	0.15	ug/L				analysis	29909
130173-MW-4-GW	2,4,6-Trichlorophenol	88-06-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.09	ug/L				analysis	29909
130173-MW-4-GW	2,4-Dichlorophenol	120-83-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
130173-MW-4-GW	2,4-Dichlorophenol-d3	93951-74-7	T	actual	34.435	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.16	ug/L	40	34.435	86	analysis	29909
130173-MW-4-GW	2,4-Dimethylphenol	105-67-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.23	ug/L				analysis	29909
130173-MW-4-GW	2,4-Dinitrophenol	51-28-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	20	0.42	ug/L				analysis	29909
130173-MW-4-GW	2,4-Dinitrotoluene	121-14-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.093	ug/L				analysis	29909
130173-MW-4-GW	2,6-Dinitrotoluene	606-20-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
130173-MW-4-GW	2-Chloronaphthalene	91-58-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.077	ug/L				analysis	29909
130173-MW-4-GW	2-Chlorophenol	95-57-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.094	ug/L				analysis	29909
130173-MW-4-GW	2-Chlorophenol-d4	93951-73-6	T	actual	35.655	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.12	ug/L	40	35.655	89	analysis	29909
130173-MW-4-GW	2-Methylnaphthalene	91-57-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-MW-4-GW	2-Methylphenol	95-48-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-MW-4-GW	2-Nitroaniline	88-74-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	20	0.18	ug/L				analysis	29909
130173-MW-4-GW	2-Nitrophenol	88-75-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-MW-4-GW	2-Nitrophenol-d4	93951-78-1	T	actual	35.097	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.17	ug/L

sample_id	param_name	cas_number	fraction	value_type	result_value	result_unit	lab_anl_method_code	analysis_date	analysis_time	test_type	lab_matrix_code	analysis_location	wet_or_dry_basis	dilution_factor	prep_date	prep_time	lab_name_code	qc_level	lab_sample_id	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	organic_Y/N	reporting_detection_limit	quantitation_limit	detection_limit_unit	qc_spike_added	qc_spike_measured	qc_spike_recovery	test_batch_type	test_batch_id
130173-MW-4-GW	4-Bromophenyl-phenylether	101-55-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.075	ug/L				analysis	29909
130173-MW-4-GW	4-Chloro-3-methylphenol	59-50-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.13	ug/L				analysis	29909
130173-MW-4-GW	4-Chloroaniline	106-47-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.03	ug/L				analysis	29909
130173-MW-4-GW	4-Chloroaniline-d4	191656-33-4	T	actual	28.056	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.41	ug/L	40	28.056	70	analysis	29909
130173-MW-4-GW	4-Chlorophenyl-phenylether	7005-72-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-4-GW	4-Methylphenol	106-44-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-MW-4-GW	4-Methylphenol-d8	190780-66-6	T	actual	33.186	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.22	ug/L	40	33.186	83	analysis	29909
130173-MW-4-GW	4-Nitroaniline	100-01-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	20	0.21	ug/L				analysis	29909
130173-MW-4-GW	4-Nitrophenol	100-02-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	20	0.17	ug/L				analysis	29909
130173-MW-4-GW	4-Nitrophenol-d4	93951-79-2	T	actual	37.514	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.18	ug/L	40	37.514	94	analysis	29909
130173-MW-4-GW	Acenaphthene	83-32-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.063	ug/L				analysis	29909
130173-MW-4-GW	Acenaphthylene	208-96-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.05	ug/L				analysis	29909
130173-MW-4-GW	Acenaphthylene-d8	93951-97-4	T	actual	32.462	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.13	ug/L	40	32.462	81	analysis	29909
130173-MW-4-GW	Acetophenone	98-86-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.075	ug/L				analysis	29909
130173-MW-4-GW	Anthracene	120-12-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.077	ug/L				analysis	29909
130173-MW-4-GW	Anthracene-d10	1719-06-8	T	actual	33.461	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.15	ug/L	40	33.461	84	analysis	29909
130173-MW-4-GW	Atrazine	1912-24-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.056	ug/L				analysis	29909
130173-MW-4-GW	Benzaldehyde	100-52-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-4-GW	Benzo(a)anthracene	56-55-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.05	ug/L				analysis	29909
130173-MW-4-GW	Benzo(a)pyrene	50-32-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.074	ug/L				analysis	29909
130173-MW-4-GW	Benzo(a)pyrene-d12	63466-71-7	T	actual	37.985	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.16	ug/L	40	37.985	95	analysis	29909
130173-MW-4-GW	Benzo(b)fluoranthene	205-99-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.074	ug/L				analysis	29909
130173-MW-4-GW	Benzo(g,h,i)perylene	191-24-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.058	ug/L				analysis	29909
130173-MW-4-GW	Benzo(k)fluoranthene	207-08-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
130173-MW-4-GW	Bis(2-chloroethoxy)methane	111-91-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
130173-MW-4-GW	Bis(2-chloroethyl)ether	111-44-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.052	ug/L				analysis	29909
130173-MW-4-GW	bis(2-Chloroethyl)ether-d8	93952-02-4	T	actual	32.449	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.12	ug/L	40	32.449	81	analysis	29909
130173-MW-4-GW	Bis(2-ethylhexyl)phthalate	117-81-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	1.2	ug/L				analysis	29909
130173-MW-4-GW	Butylbenzylphthalate	85-68-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-4-GW	Caprolactam	105-60-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.21	ug/L				analysis	29909
130173-MW-4-GW	Chrysene	218-01-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.062	ug/L				analysis	29909
130173-MW-4-GW	Di-n-butylphthalate	84-74-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.067	ug/L				analysis	29909
130173-MW-4-GW	Di-n-octylphthalate	117-84-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-4-GW	Dibenzo(a,h)anthracene	53-70-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
130173-MW-4-GW	Dibenzofuran	132-64-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.085	ug/L				analysis	29909
130173-MW-4-GW	Diethylphthalate	84-66-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.082	ug/L				analysis	29909
130173-MW-4-GW	Dimethylphthalate	131-11-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
130173-MW-4-GW	Dimethylphthalate-d6	85448-30-2	T	actual	35.411	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.096	ug/L	40	35.411	89	analysis	29909
130173-MW-4-GW	Fluoranthene	206-44-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.038	ug/L				analysis	29909
130173-MW-4-GW	Fluorene	86-73-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.082	ug/L				analysis	29909
130173-MW-4-GW	Fluorene-d10	81103-79-9	T	actual	32.885	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.15	ug/L	40	32.885	82	analysis	29909
130173-MW-4-GW	Hexachlorobenzene	118-74-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-MW-4-GW	Hexachlorobutadiene	87-68-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
130173-MW-4-GW	Hexachlorocyclopentadiene	77-47-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-MW-4-GW	Hexachloroethane	67-72-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
130173-MW-4-GW	Indeno(1,2,3-cd)pyrene	193-39-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.14	ug/L				analysis	29909
130173-MW-4-GW	Isophorone	78-59-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.085	ug/L				analysis	29909
130173-MW-4-GW	N-Nitroso-di-n-propylamine	621-64-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-MW-4-GW	N-Nitrosodiphenylamine	86-30-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.066	ug/L				analysis	29909
130173-MW-4-GW	Naphthalene	91-20-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.09	ug/L				analysis	29909
130173-MW-4-GW	Nitrobenzene	98-95-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.071	ug/L				analysis	29909
130173-MW-4-GW	Nitrobenzene-d5	4165-60-0	T	actual	36.077	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.16	ug/L	40	36.077	90	analysis	29909
130173-MW-4-GW	Pentachlorophenol	87-86-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
130173-MW-4-GW	Phenanthrene	85-01-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-MW-4-GW	Phenol	108-95-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
130173-MW-4-GW	Phenol-d5	4165-62-2	T	actual	34.055	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.17	ug/L	40	34.055	85	analysis	29909
130173-MW-4-GW	Pyrene	129-00-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	TRG	Y	N	U		Y	5	0.039	ug/L				analysis	29909
130173-MW-4-GW	Pyrene-d10	1718-52-1	T	actual	40.047	ug/L	OLC3.2_SVOA	6/12/2008	13:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-01B	SUR	Y	Y			Y	5	0.056	ug/L	40	40.047	100	analysis	29909
130173-FB-6408	1,1'-Biphenyl	92-52-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-FB-6408	1,2,4,5-Tetrachlorobenzene	95-94-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.098	ug/L				analysis	29909
130173-FB-6408	2,2'-oxybis(1-Chloropropane)	108-60-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.091	ug/L				analysis	29909
130173-FB-6408	2,4,5-Trichlorophenol	95-95-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	20	0.15	ug/L				analysis	29909
130173-FB-6408	2,4,6-Trichlorophenol	88-06-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.09	ug/L				analysis	29909
130173-FB-6408	2,4-Dichlorophenol	120-83-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
130173-FB-6408	2,4-Dichlorophenol-d3	93951-74-7	T	actual	36.92	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.16	ug/L	40	36.92	92	analysis	29909
130173-FB-6408	2,4-Dimethylphenol	105-67-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.23	ug/L				analysis	29909
130173-FB-6408	2,4-Dinitrophenol	51-28-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	20	0.42	ug/L				analysis	29909
130173-FB-6408	2,4-Dinitrotoluene	121-14-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.093	ug/L				analysis	29909
130173-FB-6408	2,6-Dinitrotoluene	606-20-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
130173-FB-6408	2-Chloronaphthalene	91-58-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.077	ug/L				analysis	29909
130173-FB-6408	2-Chlorophenol	95-57-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.094	ug/L				analysis	29909
130173-FB-6408	2-Chlorophenol-d4	93951-73-6	T	actual	38.944	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.12	ug/L	40	38.944	97	analysis	29909
130173-FB-6408	2-Methylnaphthalene	91-57-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-FB-6408	2-Methylphenol	95-48-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-FB-6408	2-Nitroaniline	88-74-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	20	0.18	ug/L				analysis	29909
130173-FB-6408	2-Nitrophenol	88-75-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-FB-6408	2-Nitrophenol-d4	93951-78-1	T	actual	36.143	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.17	ug/L	40	36.143	90	analysis	29909
130173-FB-6408	3,3'-Dichlorobenzidine	91-94-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.82	ug/L				analysis	29909
130173-FB-6408	3-Nitroaniline	99-09-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	20	0.33	ug/L				analysis	29909
130173-FB-6408	4,6-Dinitro-2-methylphenol	534-52-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	20	0.27	ug/L				analysis	29909
130173-FB-6408	4,6-Dinitro-2-methylphenol-d2	93951-76-9	T	actual	30.322	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.21	ug/L	40	30.322	76	analysis	29909
130173-FB-6408	4-Bromophenyl-phenylether	101-55-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.075	ug/L				analysis	29909
130173-FB-6408	4-Chloro-3-methylphenol	59-50-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.13	ug/L				analysis	29909
130173-FB-6408	4-Chloroaniline	106-47-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.03	ug/L				analysis	29909
130173-FB-6408	4-Chloroaniline-d4	191656-33-4	T	actual	34.985	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.41	ug/L	40	34.985	87	analysis	29909
130173-FB-6408	4-Chlorophenyl-phenylether	7005-72-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-FB-6408	4-Methylphenol	106-44-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-FB-6408	4-Methylphenol-d8	190780-66-6	T	actual	35.901	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.22	ug/L	40	35.901	90	analysis	29909
130173-FB-6408	4-Nitroaniline	100-01-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	20	0.21	ug/L				analysis	29909
130173-FB-6408	4-Nitrophenol	100-02-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	20	0.17	ug/L				analysis	29909
130173-FB-6408	4-Nitrophenol-d4	93951-79-2	T	actual	36.031	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.18	ug/L	40	36.031	90	analysis	29909
130173-FB-6408	Acenaphthene	83-32-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.063	ug/L				analysis	29909
130173-FB-6408	Acenaphthylene	208-96-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.05	ug/L				analysis	29909
130173-FB-6408	Acenaphthylene-d8	93951-97-4	T	actual	33.794	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.13	ug/L	40	33.794	84	analysis	29909
130173-FB-6408	Acetophenone	98-86-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.075	ug/L				analysis	29909
130173-FB-6408	Anthracene	120-12-7	T	actual	

sample_id	param_name	cas_number	fraction	value_type	result_value	result_unit	lab_anl_method_code	analysis_date	analysis_time	test_type	lab_matrix_code	analysis_location	wet_or_dry_basis	dilution_factor	prep_date	prep_time	lab_name_code	qc_level	lab_sample_id	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	organic_Y/N	reporting_detection_limit	quantitation_limit	detection_limit_unit	qc_spike_added	qc_spike_measured	qc_spike_recovery	test_batch_type	test_batch_id
130173-FB-6408	Benzo(b)fluoranthene	205-99-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.074	ug/L				analysis	29909
130173-FB-6408	Benzo(g,h,i)perylene	191-24-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.058	ug/L				analysis	29909
130173-FB-6408	Benzo(k)fluoranthene	207-08-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
130173-FB-6408	Bis(2-chloroethoxy)methane	111-91-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
130173-FB-6408	Bis(2-chloroethyl)ether	111-44-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.052	ug/L				analysis	29909
130173-FB-6408	bis(2-Chloroethyl)ether-d8	93952-02-4	T	actual	37.539	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.12	ug/L	40	37.539	94	analysis	29909
130173-FB-6408	Bis(2-ethylhexyl)phthalate	117-81-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	1.2	ug/L				analysis	29909
130173-FB-6408	Butylbenzylphthalate	85-68-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-FB-6408	Caprolactam	105-60-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.21	ug/L				analysis	29909
130173-FB-6408	Chrysene	218-01-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.062	ug/L				analysis	29909
130173-FB-6408	Di-n-butylphthalate	84-74-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.067	ug/L				analysis	29909
130173-FB-6408	Di-n-octylphthalate	117-84-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-FB-6408	Dibenzo(a,h)anthracene	53-70-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
130173-FB-6408	Dibenzofuran	132-64-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.085	ug/L				analysis	29909
130173-FB-6408	Diethylphthalate	84-66-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.082	ug/L				analysis	29909
130173-FB-6408	Dimethylphthalate	131-11-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
130173-FB-6408	Dimethylphthalate-d6	85448-30-2	T	actual	37.261	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.096	ug/L	40	37.261	93	analysis	29909
130173-FB-6408	Fluoranthene	206-44-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.038	ug/L				analysis	29909
130173-FB-6408	Fluorene	86-73-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.082	ug/L				analysis	29909
130173-FB-6408	Fluorene-d10	81103-79-9	T	actual	36.128	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.15	ug/L	40	36.128	90	analysis	29909
130173-FB-6408	Hexachlorobenzene	118-74-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-FB-6408	Hexachlorobutadiene	87-68-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
130173-FB-6408	Hexachlorocyclopentadiene	77-47-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-FB-6408	Hexachloroethane	67-72-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
130173-FB-6408	Indeno(1,2,3-cd)pyrene	193-39-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.14	ug/L				analysis	29909
130173-FB-6408	Isophorone	78-59-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.085	ug/L				analysis	29909
130173-FB-6408	N-Nitroso-di-n-propylamine	621-64-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-FB-6408	N-Nitrosodiphenylamine	86-30-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.066	ug/L				analysis	29909
130173-FB-6408	Naphthalene	91-20-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.09	ug/L				analysis	29909
130173-FB-6408	Nitrobenzene	98-95-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.071	ug/L				analysis	29909
130173-FB-6408	Nitrobenzene-d5	4165-60-0	T	actual	39.664	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.16	ug/L	40	39.664	99	analysis	29909
130173-FB-6408	Pentachlorophenol	87-86-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
130173-FB-6408	Phenanthrene	85-01-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-FB-6408	Phenol	108-95-2	T	actual	1.3	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	Y	J		Y	5	0.068	ug/L				analysis	29909
130173-FB-6408	Phenol-d5	4165-62-2	T	actual	38.077	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.17	ug/L	40	38.077	95	analysis	29909
130173-FB-6408	Pyrene	129-00-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	TRG	Y	N	U		Y	5	0.039	ug/L				analysis	29909
130173-FB-6408	Pyrene-d10	1718-52-1	T	actual	40.612	ug/L	OLC3.2_SVOA	6/12/2008	14:01	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-02B	SUR	Y	Y			Y	5	0.056	ug/L	40	40.612	102	analysis	29909
130173-MW-3-GW	1,1'-Biphenyl	92-52-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-3-GW	1,2,4,5-Tetrachlorobenzene	95-94-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.098	ug/L				analysis	29909
130173-MW-3-GW	2,2'-oxybis(1-Chloropropane)	108-60-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.091	ug/L				analysis	29909
130173-MW-3-GW	2,4,5-Trichlorophenol	95-95-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	20	0.15	ug/L				analysis	29909
130173-MW-3-GW	2,4,6-Trichlorophenol	88-06-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.09	ug/L				analysis	29909
130173-MW-3-GW	2,4-Dichlorophenol	120-83-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
130173-MW-3-GW	2,4-Dichlorophenol-d3	93951-74-7	T	actual	34.247	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.16	ug/L	40	34.247	86	analysis	29909
130173-MW-3-GW	2,4-Dimethylphenol	105-67-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.23	ug/L				analysis	29909
130173-MW-3-GW	2,4-Dinitrophenol	51-28-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	20	0.42	ug/L				analysis	29909
130173-MW-3-GW	2,4-Dinitrotoluene	121-14-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.093	ug/L				analysis	29909
130173-MW-3-GW	2,6-Dinitrotoluene	606-20-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
130173-MW-3-GW	2-Chloronaphthalene	91-58-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.077	ug/L				analysis	29909
130173-MW-3-GW	2-Chlorophenol	95-57-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.094	ug/L				analysis	29909
130173-MW-3-GW	2-Chlorophenol-d4	93951-73-6	T	actual	36.899	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.12	ug/L	40	36.899	92	analysis	29909
130173-MW-3-GW	2-Methylnaphthalene	91-57-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-MW-3-GW	2-Methylphenol	95-48-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-MW-3-GW	2-Nitroaniline	88-74-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	20	0.18	ug/L				analysis	29909
130173-MW-3-GW	2-Nitrophenol	88-75-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-MW-3-GW	2-Nitrophenol-d4	93951-78-1	T	actual	36.267	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.17	ug/L	40	36.267	91	analysis	29909
130173-MW-3-GW	3,3'-Dichlorobenzidine	91-94-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.82	ug/L				analysis	29909
130173-MW-3-GW	3-Nitroaniline	99-09-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	20	0.33	ug/L				analysis	29909
130173-MW-3-GW	4,6-Dinitro-2-methylphenol	534-52-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	20	0.27	ug/L				analysis	29909
130173-MW-3-GW	4,6-Dinitro-2-methylphenol-d2	93951-76-9	T	actual	33.247	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.21	ug/L	40	33.247	83	analysis	29909
130173-MW-3-GW	4-Bromophenyl-phenylether	101-55-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.075	ug/L				analysis	29909
130173-MW-3-GW	4-Chloro-3-methylphenol	59-50-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.13	ug/L				analysis	29909
130173-MW-3-GW	4-Chloroaniline	106-47-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.03	ug/L				analysis	29909
130173-MW-3-GW	4-Chloroaniline-d4	191656-33-4	T	actual	26.482	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.41	ug/L	40	26.482	66	analysis	29909
130173-MW-3-GW	4-Chlorophenyl-phenylether	7005-72-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-3-GW	4-Methylphenol	106-44-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-MW-3-GW	4-Methylphenol-d8	190780-66-6	T	actual	34.995	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.22	ug/L	40	34.995	87	analysis	29909
130173-MW-3-GW	4-Nitroaniline	100-01-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	20	0.21	ug/L				analysis	29909
130173-MW-3-GW	4-Nitrophenol	100-02-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	20	0.17	ug/L				analysis	29909
130173-MW-3-GW	4-Nitrophenol-d4	93951-79-2	T	actual	40.591	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.18	ug/L	40	40.591	101	analysis	29909
130173-MW-3-GW	Acenaphthene	83-32-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.063	ug/L				analysis	29909
130173-MW-3-GW	Acenaphthylene	208-96-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.05	ug/L				analysis	29909
130173-MW-3-GW	Acenaphthylene-d8	93951-97-4	T	actual	36.209	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.13	ug/L	40	36.209	91	analysis	29909
130173-MW-3-GW	Acetophenone	98-86-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.075	ug/L				analysis	29909
130173-MW-3-GW	Anthracene	120-12-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.077	ug/L				analysis	29909
130173-MW-3-GW	Anthracene-d10	1719-06-8	T	actual	33.156	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.15	ug/L	40	33.156	83	analysis	29909
130173-MW-3-GW	Atrazine	1912-24-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.056	ug/L				analysis	29909
130173-MW-3-GW	Benzaldehyde	100-52-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-3-GW	Benzo(a)anthracene	56-55-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.05	ug/L				analysis	29909
130173-MW-3-GW	Benzo(a)pyrene	50-32-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.074	ug/L				analysis	29909
130173-MW-3-GW	Benzo(a)pyrene-d12	63466-71-7	T	actual	37.002	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.16	ug/L	40	37.002	93	analysis	29909
130173-MW-3-GW	Benzo(b)fluoranthene	205-99-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.074	ug/L				analysis	29909
130173-MW-3-GW	Benzo(g,h,i)perylene	191-24-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.058	ug/L				analysis	29909
130173-MW-3-GW	Benzo(k)fluoranthene	207-08-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
130173-MW-3-GW	Bis(2-chloroethoxy)methane	111-91-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
130173-MW-3-GW	Bis(2-chloroethyl)ether	111-44-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.052	ug/L				analysis	29909
130173-MW-3-GW	bis(2-Chloroethyl)ether-d8	93952-02-4	T	actual	34.494	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.12	ug/L	40	34.494	86	analysis	29909
130173-MW-3-GW	Bis(2-ethylhexyl)phthalate	117-81-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	1.2	ug/L				analysis	29909
130173-MW-3-GW	Butylbenzylphthalate	85-68-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-3-GW	Caprolactam	105-60-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.21	ug/L				analysis	29909
130173-MW-3-GW	Chrysene	218-01-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.062	ug/L				analysis	29909
130173-MW-3-GW	Di-n-butylphthalate	84-74-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.067	ug/L				analysis	29909
130173-MW-3-GW	Di-n-octylphthalate	117-84-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
130173-MW-3-GW	Dibenzo(a,h)anthracene	53-70-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
130173-MW-3-GW	Dibenzofuran	132-64-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.085	ug/L				analysis	29909
130173-MW-3-GW	Diethylphthalate	84-66-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008

sample_id	param_name	cas_number	fraction	value_type	result_value	result_unit	lab_anl_method_code	analysis_date	analysis_time	test_type	lab_matrix_code	analysis_location	wet_or_dry_basis	dilution_factor	prep_date	prep_time	lab_name_code	qc_level	lab_sample_id	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	organic_Y/N	reporting_detection_limit	reporting_quantitation_limit	detection_limit_unit	qc_spike_added	qc_spike_measured	qc_spike_recovery	test_batch_type	test_batch_id
130173-MW-3-GW	Hexachlorobutadiene	87-68-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
130173-MW-3-GW	Hexachlorocyclopentadiene	77-47-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-MW-3-GW	Hexachloroethane	67-72-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
130173-MW-3-GW	Indeno(1,2,3-cd)pyrene	193-39-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.14	ug/L				analysis	29909
130173-MW-3-GW	Isophorone	78-59-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.085	ug/L				analysis	29909
130173-MW-3-GW	N-Nitroso-di-n-propylamine	621-64-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
130173-MW-3-GW	N-Nitrosodiphenylamine	86-30-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.066	ug/L				analysis	29909
130173-MW-3-GW	Naphthalene	91-20-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.09	ug/L				analysis	29909
130173-MW-3-GW	Nitrobenzene	98-95-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.071	ug/L				analysis	29909
130173-MW-3-GW	Nitrobenzene-d5	4165-60-0	T	actual	38.188	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.16	ug/L	40	38.188	95	analysis	29909
130173-MW-3-GW	Pentachlorophenol	87-86-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
130173-MW-3-GW	Phenanthrene	85-01-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
130173-MW-3-GW	Phenol	108-95-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
130173-MW-3-GW	Phenol-d5	4165-62-2	T	actual	34.743	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.17	ug/L	40	34.743	87	analysis	29909
130173-MW-3-GW	Pyrene	129-00-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	TRG	Y	N	U		Y	5	0.039	ug/L				analysis	29909
130173-MW-3-GW	Pyrene-d10	1718-52-1	T	actual	41.562	ug/L	OLC3.2_SVOA	6/12/2008	14:36	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	G0859-03B	SUR	Y	Y			Y	5	0.056	ug/L	40	41.562	104	analysis	29909
MB-36900MBLK	1,1,1-Trichloroethane	71-55-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	1,1,2,2-Tetrachloroethane	79-34-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
MB-36900MBLK	1,1,2,2-Tetrachloroethane-d2	33685-54-0	T	actual	5.0632	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.14	ug/L	5	5.0632	101	analysis	29761
MB-36900MBLK	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
MB-36900MBLK	1,1,2-Trichloroethane	79-00-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	1,1-Dichloroethane	75-34-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	1,1-Dichloroethene	75-35-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29761
MB-36900MBLK	1,1-Dichloroethene-d2	22280-73-5	T	actual	3.4893	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.25	ug/L	5	3.4893	70	analysis	29761
MB-36900MBLK	1,2,3-Trichlorobenzene	87-61-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.079	ug/L				analysis	29761
MB-36900MBLK	1,2,4-Trichlorobenzene	120-82-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
MB-36900MBLK	1,2-Dibromo-3-chloropropane	96-12-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
MB-36900MBLK	1,2-Dibromoethane	106-93-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
MB-36900MBLK	1,2-Dichlorobenzene	95-50-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	1,2-Dichlorobenzene-d4	2199-69-1	T	actual	5.0858	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.2	ug/L	5	5.0858	102	analysis	29761
MB-36900MBLK	1,2-Dichloroethane	107-06-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	1,2-Dichloroethane-d4	17060-07-0	T	actual	4.81	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.23	ug/L	5	4.81	96	analysis	29761
MB-36900MBLK	1,2-Dichloropropane	78-87-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
MB-36900MBLK	1,2-Dichloropropane-d6	93952-08-0	T	actual	4.9967	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.16	ug/L	5	4.9967	100	analysis	29761
MB-36900MBLK	1,3-Dichlorobenzene	541-73-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
MB-36900MBLK	1,4-Dichlorobenzene	106-46-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.098	ug/L				analysis	29761
MB-36900MBLK	2-Butanone	78-93-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	5	1.8	ug/L				analysis	29761
MB-36900MBLK	2-Butanone-d5	24313-50-6	T	actual	8.3574	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	5	1	ug/L	5	8.3574	167	analysis	29761
MB-36900MBLK	2-Hexanone	591-78-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	5	1.6	ug/L				analysis	29761
MB-36900MBLK	2-Hexanone-d5	4840-82-8	T	actual	5.3723	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	5	0.9	ug/L	5	5.3723	107	analysis	29761
MB-36900MBLK	4-Methyl-2-pentanone	108-10-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	5	1.1	ug/L				analysis	29761
MB-36900MBLK	Acetone	67-64-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	5	3	ug/L				analysis	29761
MB-36900MBLK	Benzene	71-43-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
MB-36900MBLK	Benzene-d6	1076-43-3	T	actual	5.1156	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.13	ug/L	5	5.1156	102	analysis	29761
MB-36900MBLK	Bromochloromethane	74-97-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	Bromodichloromethane	75-27-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	Bromoform	75-25-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.095	ug/L				analysis	29761
MB-36900MBLK	Bromoform-d	2909-52-6	T	actual	4.8415	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.17	ug/L	5	4.8415	97	analysis	29761
MB-36900MBLK	Bromomethane	74-83-9	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29761
MB-36900MBLK	Carbon disulfide	75-15-0	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.16	ug/L				analysis	29761
MB-36900MBLK	Carbon tetrachloride	56-23-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
MB-36900MBLK	Chlorobenzene	108-90-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.17	ug/L				analysis	29761
MB-36900MBLK	Chloroethane	75-00-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
MB-36900MBLK	Chloroethane-d5	19199-91-8	T	actual	4.8782	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.21	ug/L	5	4.8782	98	analysis	29761
MB-36900MBLK	Chloroform	67-66-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
MB-36900MBLK	Chloroform-d	865-49-6	T	actual	4.7848	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.17	ug/L	5	4.7848	96	analysis	29761
MB-36900MBLK	Chloromethane	74-87-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29761
MB-36900MBLK	cis-1,2-Dichloroethene	156-59-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
MB-36900MBLK	cis-1,3-Dichloropropene	10061-01-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.096	ug/L				analysis	29761
MB-36900MBLK	Cyclohexane	110-82-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	Dibromochloromethane	124-48-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	Dichlorodifluoromethane	75-71-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
MB-36900MBLK	Ethylbenzene	100-41-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
MB-36900MBLK	Isopropylbenzene	98-82-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	Methyl acetate	79-20-9	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.49	ug/L				analysis	29761
MB-36900MBLK	Methyl tert-butyl ether	1634-04-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
MB-36900MBLK	Methylcyclohexane	108-87-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.097	ug/L				analysis	29761
MB-36900MBLK	Methylene chloride	75-09-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
MB-36900MBLK	Styrene	100-42-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	Tetrachloroethene	127-18-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	Toluene	108-88-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
MB-36900MBLK	Toluene-d8	2037-26-5	T	actual	5.1764	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.1764	104	analysis	29761
MB-36900MBLK	trans-1,2-Dichloroethene	156-60-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
MB-36900MBLK	trans-1,3-Dichloropropene	10061-02-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
MB-36900MBLK	trans-1,3-Dichloropropene-d4	93951-86-1	T	actual	4.5193	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.19	ug/L	5	4.5193	90	analysis	29761
MB-36900MBLK	Trichloroethene	79-01-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
MB-36900MBLK	Trichlorofluoromethane	75-69-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29761
MB-36900MBLK	Vinyl chloride	75-01-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
MB-36900MBLK	Vinyl chloride-d3	6745-35-3	T	actual	4.9377	ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	SUR	Y	Y			Y	0.5	0.44	ug/L	5	4.9377	99	analysis	29761
MB-36900MBLK	Xylenes (Total)		T	actual		ug/L	OLC3.2_VOA	6/5/2008	10:47	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	MB-36900	TRG	Y	N	U		Y	0.5	0.35	ug/L				analysis	29761
MB-36914MBLK	Potassium	9/7/7440	T	actual		ug/L	ILM4.1_ICP_W	6/5/2008	16:11	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	5000	34.85	ug/L				analysis	29764
MB-36914MBLK	Sodium	7440-23-5	T	actual	129.351	ug/L	ILM4.1_ICP_W	6/5/2008	16:11	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	B		N	5000	18.87	ug/L				analysis	29764
MB-36916MBLK	Mercury	7439-97-6	T	actual	0.094	ug/L	ILM4.1_HG_W	6/6/2008	10:32	initial	W	LB	NA	1	6/5/2008	11:20	MITKEM	definitive	MB-36916	TRG	Y	Y	B		N	0.2	0.06	ug/L				analysis	29766
MB-36921MBLK	1,1,1-Trichloroethane	71-55-6	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	1,1,2,2-Tetrachloroethane	79-34-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
MB-36921MBLK	1,1,2,2-Tetrachloroethane-d2	33685-54-0	T	actual	4.8449	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	0.5	0.14	ug/L	5	4.8449	97	analysis	29789
MB-36921MBLK	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29789
MB-36921MBLK	1,1,2-Trichloroethane	79-00-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	1,1-Dichloroethane	75-34-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	1,1-Dichloroethene	75-35-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29789
MB-36921MBLK	1,1-Dichloroethene-d2	22280-73-5	T	actual	4.1999	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	0.5	0.25	ug/L	5	4.1999	84	analysis	29789
MB-36921MBLK	1,2,3-Trichlorobenzene	87-61-6	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.079	ug/L				analysis	29789
MB-36921MBLK	1,2,4-Trichlorobenzene	120-82-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29789
MB-36921MBLK	1,2-Dibromo-3-chloropropane	96-12-8	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
MB-36921MBLK	1,2-Dibromoethane	106-93-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29789
MB-36921MBLK	1,2-Dichlorobenzene	95-50-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05

sample_id	param_name	cas_number	fraction	value_type	result_value	result_unit	lab_anl_method_code	analysis_date	analysis_time	test_type	lab_matrix_code	analysis_location	wet_or_dry_basis	dilution_factor	prep_date	prep_time	lab_name_code	qc_level	lab_sample_id	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	organic_Y/N	reporting_detection_limit	quantitation_limit	detection_limit_unit	qc_spiked_added	qc_spike_measured	qc_spike_recovery	test_batch_type	test_batch_id
MB-36921MBLK	1,4-Dichlorobenzene	106-46-7	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.098	ug/L				analysis	29789
MB-36921MBLK	2-Butanone	78-93-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	5	1.8	ug/L				analysis	29789
MB-36921MBLK	2-Butanone-d5	24313-50-6	T	actual	8.2778	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	5	1	ug/L	5	8.2778	166	analysis	29789
MB-36921MBLK	2-Hexanone	591-78-6	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	5	1.6	ug/L				analysis	29789
MB-36921MBLK	2-Hexanone-d5	4840-82-8	T	actual	4.7002	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y	J		Y	5	0.9	ug/L	5	4.7002	94	analysis	29789
MB-36921MBLK	4-Methyl-2-pentanone	108-10-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	5	1.1	ug/L				analysis	29789
MB-36921MBLK	Acetone	67-64-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	5	3	ug/L				analysis	29789
MB-36921MBLK	Benzene	71-43-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29789
MB-36921MBLK	Benzene-d6	1076-43-3	T	actual	4.5695	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	0.5	0.13	ug/L	5	4.5695	91	analysis	29789
MB-36921MBLK	Bromochloromethane	74-97-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	Bromodichloromethane	75-27-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	Bromoform	75-25-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.095	ug/L				analysis	29789
MB-36921MBLK	Bromoform-d	2909-52-6	T	actual	5.1062	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.1062	102	analysis	29789
MB-36921MBLK	Bromomethane	74-83-9	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29789
MB-36921MBLK	Carbon disulfide	75-15-0	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.16	ug/L				analysis	29789
MB-36921MBLK	Carbon tetrachloride	56-23-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
MB-36921MBLK	Chlorobenzene	108-90-7	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.17	ug/L				analysis	29789
MB-36921MBLK	Chloroethane	75-00-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29789
MB-36921MBLK	Chloroethane-d5	19199-91-8	T	actual	4.9583	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	0.5	0.21	ug/L	5	4.9583	99	analysis	29789
MB-36921MBLK	Chloroform	67-66-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
MB-36921MBLK	Chloroform-d	865-49-6	T	actual	4.941	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	0.5	0.17	ug/L	5	4.941	99	analysis	29789
MB-36921MBLK	Chloromethane	74-87-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29789
MB-36921MBLK	cis-1,2-Dichloroethene	156-59-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
MB-36921MBLK	cis-1,3-Dichloropropene	10061-01-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.096	ug/L				analysis	29789
MB-36921MBLK	Cyclohexane	110-82-7	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	Dibromochloromethane	124-48-1	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	Dichlorodifluoromethane	75-71-8	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
MB-36921MBLK	Ethylbenzene	100-41-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
MB-36921MBLK	Isopropylbenzene	98-82-8	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	Methyl acetate	79-20-9	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.49	ug/L				analysis	29789
MB-36921MBLK	Methyl tert-butyl ether	1634-04-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
MB-36921MBLK	Methylcyclohexane	108-87-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.097	ug/L				analysis	29789
MB-36921MBLK	Methylene chloride	75-09-2	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29789
MB-36921MBLK	Styrene	100-42-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	Tetrachloroethene	127-18-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	Toluene	108-88-3	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29789
MB-36921MBLK	Toluene-d8	2037-26-5	T	actual	5.0492	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	0.5	0.17	ug/L	5	5.0492	101	analysis	29789
MB-36921MBLK	trans-1,2-Dichloroethene	156-60-5	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29789
MB-36921MBLK	trans-1,3-Dichloropropene	10061-02-6	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
MB-36921MBLK	trans-1,3-Dichloropropene-d4	93951-86-1	T	actual	4.9838	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	0.5	0.19	ug/L	5	4.9838	100	analysis	29789
MB-36921MBLK	Trichloroethene	79-01-6	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29789
MB-36921MBLK	Trichlorofluoromethane	75-69-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29789
MB-36921MBLK	Vinyl chloride	75-01-4	T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29789
MB-36921MBLK	Vinyl chloride-d3	6745-35-3	T	actual	5.1006	ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	SUR	Y	Y			Y	0.5	0.44	ug/L	5	5.1006	102	analysis	29789
MB-36921MBLK	Xylenes (Total)		T	actual		ug/L	OLC3.2_VOA	6/6/2008	9:54	initial	W	LB	NA	1	6/6/2008	9:05	MITKEM	definitive	MB-36921	TRG	Y	N	U		Y	0.5	0.35	ug/L				analysis	29789
MB-36914MBLK	Aluminum	7429-90-5	T	actual	22.994	ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	B		N	200	7.6	ug/L				analysis	29811
MB-36914MBLK	Antimony	7440-36-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	60	1.99	ug/L				analysis	29811
MB-36914MBLK	Arsenic	7440-38-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	10	2.48	ug/L				analysis	29811
MB-36914MBLK	Barium	7440-39-3	T	actual	0.792	ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	B		N	200	0.18	ug/L				analysis	29811
MB-36914MBLK	Beryllium	7440-41-7	T	actual	-0.039	ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	BU		N	5	0.03	ug/L				analysis	29811
MB-36914MBLK	Cadmium	7440-43-9	T	actual	0.182	ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	B		N	5	0.13	ug/L				analysis	29811
MB-36914MBLK	Calcium	7440-70-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	5000	72.98	ug/L				analysis	29811
MB-36914MBLK	Chromium	7440-47-3	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	10	0.16	ug/L				analysis	29811
MB-36914MBLK	Cobalt	7440-48-4	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	50	0.21	ug/L				analysis	29811
MB-36914MBLK	Copper	7440-50-8	T	actual	4.557	ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	B		N	25	0.67	ug/L				analysis	29811
MB-36914MBLK	Iron	7439-89-6	T	actual	52.114	ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	B		N	100	0.68	ug/L				analysis	29811
MB-36914MBLK	Lead	7439-92-1	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	3	1.28	ug/L				analysis	29811
MB-36914MBLK	Magnesium	7439-95-4	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	5000	6.37	ug/L				analysis	29811
MB-36914MBLK	Manganese	7439-96-5	T	actual	3.326	ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	B		N	15	1.07	ug/L				analysis	29811
MB-36914MBLK	Nickel	7440-02-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	40	0.35	ug/L				analysis	29811
MB-36914MBLK	Selenium	7782-49-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	5	4.75	ug/L				analysis	29811
MB-36914MBLK	Silver	7440-22-4	T	actual	4.125	ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	B		N	10	0.45	ug/L				analysis	29811
MB-36914MBLK	Thallium	7440-28-0	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	10	2.33	ug/L				analysis	29811
MB-36914MBLK	Vanadium	7440-62-2	T	actual		ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	N	U		N	5	0.5	ug/L				analysis	29811
MB-36914MBLK	Zinc	7440-66-6	T	actual	3.302	ug/L	ILM4.1_ICP_W	6/6/2008	10:10	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	MB-36914	TRG	Y	Y	B		N	20	0.23	ug/L				analysis	29811
MB-36906MBLK	1,1'-Biphenyl	92-52-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
MB-36906MBLK	1,2,4,5-Tetrachlorobenzene	95-94-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.098	ug/L				analysis	29909
MB-36906MBLK	2,2'-oxybis(1-Chloropropane)	108-60-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.091	ug/L				analysis	29909
MB-36906MBLK	2,4,5-Trichlorophenol	95-95-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	20	0.15	ug/L				analysis	29909
MB-36906MBLK	2,4,6-Trichlorophenol	88-06-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.09	ug/L				analysis	29909
MB-36906MBLK	2,4-Dichlorophenol	120-83-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
MB-36906MBLK	2,4-Dichlorophenol-d3	93951-74-7	T	actual	36.106	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.16	ug/L	40	36.106	90	analysis	29909
MB-36906MBLK	2,4-Dimethylphenol	105-67-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.23	ug/L				analysis	29909
MB-36906MBLK	2,4-Dinitrophenol	51-28-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	20	0.42	ug/L				analysis	29909
MB-36906MBLK	2,4-Dinitrotoluene	121-14-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.093	ug/L				analysis	29909
MB-36906MBLK	2,6-Dinitrotoluene	606-20-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
MB-36906MBLK	2-Chloronaphthalene	91-58-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.077	ug/L				analysis	29909
MB-36906MBLK	2-Chlorophenol	95-57-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.094	ug/L				analysis	29909
MB-36906MBLK	2-Chlorophenol-d4	93951-73-6	T	actual	37.179	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.12	ug/L	40	37.179	93	analysis	29909
MB-36906MBLK	2-Methylnaphthalene	91-57-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
MB-36906MBLK	2-Methylphenol	95-48-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
MB-36906MBLK	2-Nitroaniline	88-74-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	20	0.18	ug/L				analysis	29909
MB-36906MBLK	2-Nitrophenol	88-75-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
MB-36906MBLK	2-Nitrophenol-d4	93951-78-1	T	actual	35.813	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.17	ug/L	40	35.813	90	analysis	29909
MB-36906MBLK	3,3'-Dichlorobenzidine	91-94-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.82	ug/L				analysis	29909
MB-36906MBLK	3-Nitroaniline	99-09-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	20	0.33	ug/L				analysis	29909
MB-36906MBLK	4,6-Dinitro-2-methylphenol	534-52-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	20	0.27	ug/L				analysis	29909
MB-36906MBLK	4,6-Dinitro-2-methylphenol-d2	93951-76-9	T	actual	25.774	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.21	ug/L	40	25.774	64	analysis	29909
MB-36906MBLK	4-Bromophenyl-phenylether	101-55-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.075	ug/L				analysis	29909
MB-36906MBLK	4-Chloro-3-methylphenol	59-50-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.13	ug/L				analysis	29909
MB-36906MBLK	4-Chloroaniline	106-47-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.03	ug/L				analysis	29909
MB-36906MBLK	4-Chloroaniline-d4	191656-33-4	T	actual	35.871	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.41	ug/L	40	35.871	90	analysis	29909
MB-36906MBLK	4-Chlorophenyl-phenylether	7005-72-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
MB-36906MBLK	4-Methylphenol	106-44-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
MB-36906MBLK	4-Methylphenol-d8	190780-66-6	T	actual	34.376	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.22	ug/L	40	34.376	86	analysis	29909
MB-36906MBLK	4-Nitroaniline	100-01-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	20	0.21	ug/L				analysis	29909
MB-36906MBLK	4-Nitrophenol	100-02-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	20	0.17	ug/L				analysis	29909
MB-36906MBLK	4-Nitrophenol-d4	93951-79-2

sample_id	param_name	cas_number	fraction	value_type	result_value	result_unit	lab_anl_method_code	analysis_date	analysis_time	test_type	lab_matrix_code	analysis_location	wet_or_dry_basis	dilution_factor	prep_date	prep_time	lab_name_code	qc_level	lab_sample_id	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	organic_Y/N	reporting_detection_limit	quantitation_limit	detection_limit_unit	qc_spike_added	qc_spike_measured	qc_spike_recovery	test_batch_type	test_batch_id
MB-36906MBLK	Anthracene	120-12-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.077	ug/L				analysis	29909
MB-36906MBLK	Anthracene-d10	1719-06-8	T	actual	34.193	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.15	ug/L	40	34.193	85	analysis	29909
MB-36906MBLK	Atrazine	1912-24-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.056	ug/L				analysis	29909
MB-36906MBLK	Benzaldehyde	100-52-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
MB-36906MBLK	Benzo(a)anthracene	56-55-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.05	ug/L				analysis	29909
MB-36906MBLK	Benzo(a)pyrene	50-32-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.074	ug/L				analysis	29909
MB-36906MBLK	Benzo(a)pyrene-d12	63466-71-7	T	actual	37.708	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.16	ug/L	40	37.708	94	analysis	29909
MB-36906MBLK	Benzo(b)fluoranthene	205-99-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.074	ug/L				analysis	29909
MB-36906MBLK	Benzo(g,h,i)perylene	191-24-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.058	ug/L				analysis	29909
MB-36906MBLK	Benzo(k)fluoranthene	207-08-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
MB-36906MBLK	Bis(2-chloroethoxy)methane	111-91-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
MB-36906MBLK	Bis(2-chloroethyl)ether	111-44-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.052	ug/L				analysis	29909
MB-36906MBLK	bis(2-Chloroethyl)ether-d8	93952-02-4	T	actual	35.295	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.12	ug/L	40	35.295	88	analysis	29909
MB-36906MBLK	Bis(2-ethylhexyl)phthalate	117-81-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	1.2	ug/L				analysis	29909
MB-36906MBLK	Butylbenzylphthalate	85-68-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
MB-36906MBLK	Caprolactam	105-60-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.21	ug/L				analysis	29909
MB-36906MBLK	Chrysene	218-01-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.062	ug/L				analysis	29909
MB-36906MBLK	Di-n-butylphthalate	84-74-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.067	ug/L				analysis	29909
MB-36906MBLK	Di-n-octylphthalate	117-84-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
MB-36906MBLK	Dibenzo(a,h)anthracene	53-70-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
MB-36906MBLK	Dibenzofuran	132-64-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.085	ug/L				analysis	29909
MB-36906MBLK	Diethylphthalate	84-66-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.082	ug/L				analysis	29909
MB-36906MBLK	Dimethylphthalate	131-11-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
MB-36906MBLK	Dimethylphthalate-d6	85448-30-2	T	actual	37.178	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.096	ug/L	40	37.178	93	analysis	29909
MB-36906MBLK	Fluoranthene	206-44-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.038	ug/L				analysis	29909
MB-36906MBLK	Fluorene	86-73-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.082	ug/L				analysis	29909
MB-36906MBLK	Fluorene-d10	81103-79-9	T	actual	35.327	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.15	ug/L	40	35.327	88	analysis	29909
MB-36906MBLK	Hexachlorobenzene	118-74-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
MB-36906MBLK	Hexachlorobutadiene	87-68-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
MB-36906MBLK	Hexachlorocyclopentadiene	77-47-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
MB-36906MBLK	Hexachloroethane	67-72-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
MB-36906MBLK	Indeno(1,2,3-cd)pyrene	193-39-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.14	ug/L				analysis	29909
MB-36906MBLK	Isophorone	78-59-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.085	ug/L				analysis	29909
MB-36906MBLK	N-Nitroso-di-n-propylamine	621-64-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
MB-36906MBLK	N-Nitrosodiphenylamine	86-30-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.066	ug/L				analysis	29909
MB-36906MBLK	Naphthalene	91-20-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.09	ug/L				analysis	29909
MB-36906MBLK	Nitrobenzene	98-95-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.071	ug/L				analysis	29909
MB-36906MBLK	Nitrobenzene-d5	4165-60-0	T	actual	38.381	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.16	ug/L	40	38.381	96	analysis	29909
MB-36906MBLK	Pentachlorophenol	87-86-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
MB-36906MBLK	Phenanthrene	85-01-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
MB-36906MBLK	Phenol	108-95-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
MB-36906MBLK	Phenol-d5	4165-62-2	T	actual	35.24	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.17	ug/L	40	35.24	88	analysis	29909
MB-36906MBLK	Pyrene	129-00-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	TRG	Y	N	U		Y	5	0.039	ug/L				analysis	29909
MB-36906MBLK	Pyrene-d10	1718-52-1	T	actual	38.004	ug/L	OLC3.2_SVOA	6/12/2008	10:50	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	MB-36906	SUR	Y	Y			Y	5	0.056	ug/L	40	38.004	95	analysis	29909
LCS-36900LCS	1,1,1-Trichloroethane	71-55-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	1,1,2,2-Tetrachloroethane	79-34-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
LCS-36900LCS	1,1,2,2-Tetrachloroethane-d2	33685-54-0	T	actual	5.1173	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.14	ug/L	5	5.1173	102	analysis	29761
LCS-36900LCS	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
LCS-36900LCS	1,1,2-Trichloroethane	79-00-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	1,1-Dichloroethane	75-34-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	1,1-Dichloroethene	75-35-4	T	actual	3.5406	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	Y			Y	0.5	0.2	ug/L				analysis	29761
LCS-36900LCS	1,1-Dichloroethene-d2	22280-73-5	T	actual	4.2324	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.25	ug/L	5	4.2324	85	analysis	29761
LCS-36900LCS	1,2,3-Trichlorobenzene	87-61-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.079	ug/L				analysis	29761
LCS-36900LCS	1,2,4-Trichlorobenzene	120-82-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
LCS-36900LCS	1,2-Dibromo-3-chloropropane	96-12-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
LCS-36900LCS	1,2-Dibromoethane	106-93-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.1	ug/L				analysis	29761
LCS-36900LCS	1,2-Dichlorobenzene	95-50-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	1,2-Dichlorobenzene-d4	2199-69-1	T	actual	5.1861	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.2	ug/L	5	5.1861	104	analysis	29761
LCS-36900LCS	1,2-Dichloroethane	107-06-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	1,2-Dichloroethane-d4	17060-07-0	T	actual	4.7651	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.23	ug/L	5	4.7651	95	analysis	29761
LCS-36900LCS	1,2-Dichloropropane	78-87-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
LCS-36900LCS	1,2-Dichloropropane-d6	93952-08-0	T	actual	4.9368	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.16	ug/L	5	4.9368	99	analysis	29761
LCS-36900LCS	1,3-Dichlorobenzene	541-73-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
LCS-36900LCS	1,4-Dichlorobenzene	106-46-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.098	ug/L				analysis	29761
LCS-36900LCS	2-Butanone	78-93-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	5	1.8	ug/L				analysis	29761
LCS-36900LCS	2-Butanone-d5	24313-50-6	T	actual	7.3959	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	5	1	ug/L	5	7.3959	148	analysis	29761
LCS-36900LCS	2-Hexanone	591-78-6	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	5	1.6	ug/L				analysis	29761
LCS-36900LCS	2-Hexanone-d5	4840-82-8	T	actual	5.8188	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	5	0.9	ug/L	5	5.8188	116	analysis	29761
LCS-36900LCS	4-Methyl-2-pentanone	108-10-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	5	1.1	ug/L				analysis	29761
LCS-36900LCS	Acetone	67-64-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	5	3	ug/L				analysis	29761
LCS-36900LCS	Benzene	71-43-2	T	actual	4.7331	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	Y			Y	0.5	0.1	ug/L				analysis	29761
LCS-36900LCS	Benzene-d6	1076-43-3	T	actual	5.2228	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.13	ug/L	5	5.2228	104	analysis	29761
LCS-36900LCS	Bromochloromethane	74-97-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	Bromodichloromethane	75-27-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	Bromoform	75-25-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.095	ug/L				analysis	29761
LCS-36900LCS	Bromoform-d	2909-52-6	T	actual	4.8953	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.17	ug/L	5	4.8953	98	analysis	29761
LCS-36900LCS	Bromomethane	74-83-9	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29761
LCS-36900LCS	Carbon disulfide	75-15-0	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.16	ug/L				analysis	29761
LCS-36900LCS	Carbon tetrachloride	56-23-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
LCS-36900LCS	Chlorobenzene	108-90-7	T	actual	4.9503	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	Y			Y	0.5	0.17	ug/L				analysis	29761
LCS-36900LCS	Chloroethane	75-00-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
LCS-36900LCS	Chloroethane-d5	19199-91-8	T	actual	5.0573	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.21	ug/L	5	5.0573	101	analysis	29761
LCS-36900LCS	Chloroform	67-66-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
LCS-36900LCS	Chloroform-d	865-49-6	T	actual	4.8108	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.17	ug/L	5	4.8108	96	analysis	29761
LCS-36900LCS	Chloromethane	74-87-3	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.14	ug/L				analysis	29761
LCS-36900LCS	cis-1,2-Dichloroethene	156-59-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.13	ug/L				analysis	29761
LCS-36900LCS	cis-1,3-Dichloropropene	10061-01-5	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.096	ug/L				analysis	29761
LCS-36900LCS	Cyclohexane	110-82-7	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	Dibromochloromethane	124-48-1	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	Dichlorodifluoromethane	75-71-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
LCS-36900LCS	Ethylbenzene	100-41-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
LCS-36900LCS	Isopropylbenzene	98-82-8	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.11	ug/L				analysis	29761
LCS-36900LCS	Methyl acetate	79-20-9	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.49	ug/L				analysis	29761
LCS-36900LCS	Methyl tert-butyl ether	1634-04-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.12	ug/L				analysis	29761
LCS-36900LCS	Methylcyclohexane	108-87-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.097	ug/L				analysis	29761
LCS-36900LCS	Methylene chloride	75-09-2	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.15	ug/L

sample_id	param_name	cas_number	fraction	value_type	result_value	result_unit	lab_anl_method_code	analysis_date	analysis_time	test_type	lab_matrix_code	analysis_location	wet_or_dry_basis	dilution_factor	prep_date	prep_time	lab_name_code	qc_level	lab_sample_id	result_type_code	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	organic_Y/N	reporting_detection_limit	quantitation_limit	detection_limit_unit	qc_spike_added	qc_spike_measured	qc_spike_recovery	test_batch_type	test_batch_id
LCS-36900LCS	trans-1,3-Dichloropropene-d4	93951-86-1	T	actual	4.5786	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.19	ug/L	5	4.5786	92	analysis	29761
LCS-36900LCS	Trichloroethene	79-01-6	T	actual	4.5561	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	Y			Y	0.5	0.13	ug/L				analysis	29761
LCS-36900LCS	Trichlorofluoromethane	75-69-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.2	ug/L				analysis	29761
LCS-36900LCS	Vinyl chloride	75-01-4	T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.15	ug/L				analysis	29761
LCS-36900LCS	Vinyl chloride-d3	6745-35-3	T	actual	4.9399	ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	SUR	Y	Y			Y	0.5	0.44	ug/L	5	4.9399	99	analysis	29761
LCS-36900LCS	Xylenes (Total)		T	actual		ug/L	OLC3.2_VOA	6/5/2008	12:06	initial	W	LB	NA	1	6/5/2008	10:30	MITKEM	definitive	LCS-36900	TRG	Y	N	U		Y	0.5	0.35	ug/L				analysis	29761
LCS-36914LCS	Potassium	9/7/7440	T	actual	24126.04	ug/L	ILM4.1_ICP_W	6/5/2008	16:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	5000	34.85	ug/L				analysis	29764
LCS-36914LCS	Sodium	7440-23-5	T	actual	24593.21	ug/L	ILM4.1_ICP_W	6/5/2008	16:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	5000	18.87	ug/L				analysis	29764
LCS-36914LCS	Aluminum	7429-90-5	T	actual	9583.67	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	200	7.6	ug/L				analysis	29811
LCS-36914LCS	Antimony	7440-36-0	T	actual	512.95	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	60	1.99	ug/L				analysis	29811
LCS-36914LCS	Arsenic	7440-38-2	T	actual	503.54	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	10	2.48	ug/L				analysis	29811
LCS-36914LCS	Barium	7440-39-3	T	actual	9850.93	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	200	0.18	ug/L				analysis	29811
LCS-36914LCS	Beryllium	7440-41-7	T	actual	250.87	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	5	0.03	ug/L				analysis	29811
LCS-36914LCS	Cadmium	7440-43-9	T	actual	258.57	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	5	0.13	ug/L				analysis	29811
LCS-36914LCS	Calcium	7440-70-2	T	actual	23719.51	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	5000	72.98	ug/L				analysis	29811
LCS-36914LCS	Chromium	7440-47-3	T	actual	997.18	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	10	0.16	ug/L				analysis	29811
LCS-36914LCS	Cobalt	7440-48-4	T	actual	2537.42	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	50	0.21	ug/L				analysis	29811
LCS-36914LCS	Copper	7440-50-8	T	actual	1184.2	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	25	0.67	ug/L				analysis	29811
LCS-36914LCS	Iron	7439-89-6	T	actual	5036.27	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	100	0.68	ug/L				analysis	29811
LCS-36914LCS	Lead	7439-92-1	T	actual	508.02	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	3	1.28	ug/L				analysis	29811
LCS-36914LCS	Magnesium	7439-95-4	T	actual	24765.4	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	5000	6.37	ug/L				analysis	29811
LCS-36914LCS	Manganese	7439-96-5	T	actual	2511.16	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	15	1.07	ug/L				analysis	29811
LCS-36914LCS	Nickel	7440-02-0	T	actual	2528.48	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	40	0.35	ug/L				analysis	29811
LCS-36914LCS	Selenium	7782-49-2	T	actual	517.06	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	5	4.75	ug/L				analysis	29811
LCS-36914LCS	Silver	7440-22-4	T	actual	1197.43	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	10	0.45	ug/L				analysis	29811
LCS-36914LCS	Thallium	7440-28-0	T	actual	512.11	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	10	2.33	ug/L				analysis	29811
LCS-36914LCS	Vanadium	7440-62-2	T	actual	2429.14	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y			N	50	0.5	ug/L				analysis	29811
LCS-36914LCS	Zinc	7440-66-6	T	actual	2572.72	ug/L	ILM4.1_ICP_W	6/6/2008	10:14	initial	W	LB	NA	1	6/5/2008	9:50	MITKEM	definitive	LCS-36914	TRG	Y	Y	E		N	20	0.23	ug/L				analysis	29811
LCS-36906LCS	1,1'-Biphenyl	92-52-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
LCS-36906LCS	1,2,4,5-Tetrachlorobenzene	95-94-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.098	ug/L				analysis	29909
LCS-36906LCS	2,2'-oxybis(1-Chloropropane)	108-60-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.091	ug/L				analysis	29909
LCS-36906LCS	2,4,5-Trichlorophenol	95-95-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	20	0.15	ug/L				analysis	29909
LCS-36906LCS	2,4,6-Trichlorophenol	88-06-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.09	ug/L				analysis	29909
LCS-36906LCS	2,4-Dichlorophenol	120-83-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
LCS-36906LCS	2,4-Dichlorophenol-d3	93951-74-7	T	actual	35.512	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.16	ug/L	40	35.512	89	analysis	29909
LCS-36906LCS	2,4-Dimethylphenol	105-67-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.23	ug/L				analysis	29909
LCS-36906LCS	2,4-Dinitrophenol	51-28-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	20	0.42	ug/L				analysis	29909
LCS-36906LCS	2,4-Dinitrotoluene	121-14-2	T	actual	15.4894	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	Y			Y	5	0.093	ug/L				analysis	29909
LCS-36906LCS	2,6-Dinitrotoluene	606-20-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
LCS-36906LCS	2-Chloronaphthalene	91-58-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.077	ug/L				analysis	29909
LCS-36906LCS	2-Chlorophenol	95-57-8	T	actual	64.0411	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	Y			Y	5	0.094	ug/L				analysis	29909
LCS-36906LCS	2-Chlorophenol-d4	93951-73-6	T	actual	35.002	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.12	ug/L	40	35.002	88	analysis	29909
LCS-36906LCS	2-Methylnaphthalene	91-57-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
LCS-36906LCS	2-Methylphenol	95-48-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
LCS-36906LCS	2-Nitroaniline	88-74-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	20	0.18	ug/L				analysis	29909
LCS-36906LCS	2-Nitrophenol	88-75-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
LCS-36906LCS	2-Nitrophenol-d4	93951-78-1	T	actual	38.676	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.17	ug/L	40	38.676	97	analysis	29909
LCS-36906LCS	3,3'-Dichlorobenzidine	91-94-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.82	ug/L				analysis	29909
LCS-36906LCS	3-Nitroaniline	99-09-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	20	0.33	ug/L				analysis	29909
LCS-36906LCS	4,6-Dinitro-2-methylphenol	534-52-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	20	0.27	ug/L				analysis	29909
LCS-36906LCS	4,6-Dinitro-2-methylphenol-d2	93951-76-9	T	actual	28.208	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.21	ug/L	40	28.208	71	analysis	29909
LCS-36906LCS	4-Bromophenyl-phenylether	101-55-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.075	ug/L				analysis	29909
LCS-36906LCS	4-Chloro-3-methylphenol	59-50-7	T	actual	66.438	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	Y			Y	5	0.13	ug/L				analysis	29909
LCS-36906LCS	4-Chloroaniline	106-47-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.03	ug/L				analysis	29909
LCS-36906LCS	4-Chloroaniline-d4	191656-33-4	T	actual	29.787	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.41	ug/L	40	29.787	74	analysis	29909
LCS-36906LCS	4-Chlorophenyl-phenylether	7005-72-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
LCS-36906LCS	4-Methylphenol	106-44-5	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
LCS-36906LCS	4-Methylphenol-d8	190780-66-6	T	actual	34.11	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.22	ug/L	40	34.11	85	analysis	29909
LCS-36906LCS	4-Nitroaniline	100-01-6	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	20	0.21	ug/L				analysis	29909
LCS-36906LCS	4-Nitrophenol	100-02-7	T	actual	49.6854	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	Y			Y	20	0.17	ug/L				analysis	29909
LCS-36906LCS	4-Nitrophenol-d4	93951-79-2	T	actual	36.888	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.18	ug/L	40	36.888	92	analysis	29909
LCS-36906LCS	Acenaphthene	83-32-9	T	actual	15.2645	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	Y			Y	5	0.063	ug/L				analysis	29909
LCS-36906LCS	Acenaphthylene	208-96-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.05	ug/L				analysis	29909
LCS-36906LCS	Acenaphthylene-d8	93951-97-4	T	actual	33.455	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.13	ug/L	40	33.455	84	analysis	29909
LCS-36906LCS	Acetophenone	98-86-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.075	ug/L				analysis	29909
LCS-36906LCS	Anthracene	120-12-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.077	ug/L				analysis	29909
LCS-36906LCS	Anthracene-d10	1719-06-8	T	actual	37.685	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.15	ug/L	40	37.685	94	analysis	29909
LCS-36906LCS	Atrazine	1912-24-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.056	ug/L				analysis	29909
LCS-36906LCS	Benzaldehyde	100-52-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
LCS-36906LCS	Benzo(a)anthracene	56-55-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.05	ug/L				analysis	29909
LCS-36906LCS	Benzo(a)pyrene	50-32-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.074	ug/L				analysis	29909
LCS-36906LCS	Benzo(a)pyrene-d12	63466-71-7	T	actual	39.906	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.16	ug/L	40	39.906	100	analysis	29909
LCS-36906LCS	Benzo(b)fluoranthene	205-99-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.074	ug/L				analysis	29909
LCS-36906LCS	Benzo(g,h,i)perylene	191-24-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.058	ug/L				analysis	29909
LCS-36906LCS	Benzo(k)fluoranthene	207-08-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
LCS-36906LCS	Bis(2-chloroethoxy)methane	111-91-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.072	ug/L				analysis	29909
LCS-36906LCS	Bis(2-chloroethyl)ether	111-44-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.052	ug/L				analysis	29909
LCS-36906LCS	bis(2-Chloroethyl)ether-d8	93952-02-4	T	actual	36.117	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.12	ug/L	40	36.117	90	analysis	29909
LCS-36906LCS	Bis(2-ethylhexyl)phthalate	117-81-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	1.2	ug/L				analysis	29909
LCS-36906LCS	Butylbenzylphthalate	85-68-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
LCS-36906LCS	Caprolactam	105-60-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.21	ug/L				analysis	29909
LCS-36906LCS	Chrysene	218-01-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.062	ug/L				analysis	29909
LCS-36906LCS	Di-n-butylphthalate	84-74-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.067	ug/L				analysis	29909
LCS-36906LCS	Di-n-octylphthalate	117-84-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.11	ug/L				analysis	29909
LCS-36906LCS	Dibenzo(a,h)anthracene	53-70-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.081	ug/L				analysis	29909
LCS-36906LCS	Dibenzofuran	132-64-9	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.085	ug/L				analysis	29909
LCS-36906LCS	Diethylphthalate	84-66-2	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.082	ug/L				analysis	29909
LCS-36906LCS	Dimethylphthalate	131-11-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.068	ug/L				analysis	29909
LCS-36906LCS	Dimethylphthalate-d6	85448-30-2	T	actual	35.979	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.096	ug/L	40	35.979	90	analysis	29909
LCS-36906LCS	Fluoranthene	206-44-0	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.038	ug/L				analysis	29909
LCS-36906LCS	Fluorene	86-73-7	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.082	ug/L				analysis	29909
LCS-36906LCS	Fluorene-d10	81103-79-9	T	actual	34.649	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.15	ug/L	40	34.649	87	analysis	29909
LCS-36906LCS	Hexachlorobenzene	118-74-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
LCS-36906LCS	Hexachlorobutadiene	87-68-3	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.15	ug/L				analysis	29909
LCS-36906LCS	Hexachlorocyclopentadiene	77-47-4	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.12	ug/L				analysis	29909
LCS-36906LCS	Hexachloroethane	67-72-1	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y

sample_id	param_ name	cas_ number	fraction	value_ type	result_ value	result _unit	lab_ anl _method_ code	analysis_ date	analysi s_time	test_ type	lab_ matrix_ code	analysis_ location	wet_ or_ dry_ basis	dilution _factor	prep_dat e	prep_ time	lab_name _code	qc_level	lab_sample_id	result_ type_ code	reportabl e_result	detect_ flag	lab_ qualifier s	validator _qualifier s	organic _Y/N	reporting _ detection _limit	quantitatio n_limit	detectio n_limit_ unit	qc_spike _added	qc_spike _measure d	qc_spike _recover y	test_ batch_ type	test_ batch_ id
LCS-36906LCS	Nitrobenzene-d5	4165-60-0	T	actual	39.901	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.16	ug/L	40	39.901	100	analysis	29909
LCS-36906LCS	Pentachlorophenol	87-86-5	T	actual	64.7198	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	Y			Y	5	0.15	ug/L				analysis	29909
LCS-36906LCS	Phenanthrene	85-01-8	T	actual		ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	N	U		Y	5	0.1	ug/L				analysis	29909
LCS-36906LCS	Phenol	108-95-2	T	actual	63.258	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	Y			Y	5	0.068	ug/L				analysis	29909
LCS-36906LCS	Phenol-d5	4165-62-2	T	actual	34.168	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.17	ug/L	40	34.168	85	analysis	29909
LCS-36906LCS	Pyrene	129-00-0	T	actual	12.7985	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	TRG	Y	Y			Y	5	0.039	ug/L				analysis	29909
LCS-36906LCS	Pyrene-d10	1718-52-1	T	actual	40.352	ug/L	OLC3.2_SVOA	6/12/2008	11:26	initial	W	LB	NA	1	6/5/2008	11:57	MITKEM	definitive	LCS-36906	SUR	Y	Y			Y	5	0.056	ug/L	40	40.352	101	analysis	29909

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Shames Drive

Total Metals Analyses
Samples Collected: June 4, 2008
Samples Received: June 5, 2008
Sample Delivery Group: G0859
Laboratory Reference Numbers:

130173-MW-4-GW	G0849-01
130173-FB-6408	G0849-02
130173-MW-3-GW	G0849-03
130173-MW-3-GW SD	G0849-03 SD

Water samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - Holding Times
* - Calibration Verification
- CRDL Standard
* - Laboratory Control Sample
- Serial Dilutions
* - Calibration Blanks
- Field Blanks
* - Preparation Blanks
- Matrix Spike
- Duplicate Analyses
* - ICP Interference Check Sample
* - Detection Limit Results
* - Linear Range
- Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

Many of the data were reported for the incorrect metals. These were corrected during the validation. The analytes were listed in alphabetical order in the corrected version .

The problems with the CRDL standards and serial dilutions should be noted. These are described in detail below.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

The selenium was not recovered from the final CRDL standard (0%) analyzed in the middle of the sample analysis. All of the selenium data were technically rejected (R).

The recovery of the mercury CRDL was 150%. Only low concentrations of mercury were detected in the sample. All of the mercury data were flagged with the "J" qualifier and are estimated values.

CRDL standards for cadmium and zinc were not found.

All other CRDL recoveries were within the required limits.

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

Zinc was detected in the field blank at a concentration of 52 ug/l. This was higher than the zinc concentrations in the other two samples (19.7 ug/l & 14 ug/l). The zinc data were flagged with the "R" qualifier and technically rejected.

No other compounds were detected in the field blank at concentrations above the CRDL.

ICP Interference Check Sample

No problems were detected with the reported ICP Interference Check Sample recoveries.

Matrix Spike Recovery

A matrix spike was not analyzed.

Duplicate Analysis

A matrix duplicate was not analyzed.

Laboratory Control Sample

No problems were detected with the recoveries of the LCS standards.

Serial Dilutions

Sample 130173-MW-3-GW (G0849-03) was used as the serial dilution. All of the relative percent differences which could be accurately calculated were less than 10% with the exception of zinc (105%).

The data for zinc were flagged with the “R” qualifier and technically rejected since the percent difference was above 100%.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

No other problems were detected with any of these samples.

Original EDD - Corrected EDD Below

	chemical_name	result_value	lab_ qualifiers						laBJ_ qualifiers	result_ type_ code	detect_ flag	reporting_ detection_ limit	dilution_ factor	sample_ matrix_ code	total _ or_ dissolv ed	basis	analysis_ date	analysis_ time	method_ detection _ limit	lab_ prep_ method_ name	prep_date	prep_time	result_ comment
		Conc.	**Lab Qual**	**DV Conc**	**CRDL**	**MS**	**Dup.**	**Ser. Dil.**	**DV Qual.**	**Lab Qual**													
130173-MW-4-GW	Potassium	1830	B	1831							TRG	Y	200	1	WG	T	NA	12/04/2007	11:10	37.0	SW3005	11/30/2007	10:05	NONE
MW-4	Sodium	11900		11944							TRG	N	20	1	WG	T	NA	12/04/2007	11:10	4.4	SW3005	11/30/2007	10:05	NONE
G0859-01A	Mercury	0.098	B								TRG	Y	20	1	WG	T	NA	12/04/2007	11:10	2.5	SW3005	11/30/2007	10:05	NONE
6/4/2008	Aluminum	130	B	130							TRG	Y	200	1	WG	T	NA	12/04/2007	11:10	11.0	SW3005	11/30/2007	10:05	NONE
µg/L	Antimony	60	U	0							TRG	Y	5.0	1	WG	T	NA	12/04/2007	11:10	0.051	SW3005	11/30/2007	10:05	NONE
	Arsenic	10	U	0							TRG	Y	5.0	1	WG	T	NA	12/05/2007	15:57	0.11	SW3005	11/30/2007	10:05	NONE
	Barium	44	B	44							TRG	Y	800	1	WG	T	NA	12/04/2007	11:10	99.0	SW3005	11/30/2007	10:05	NONE
	Beryllium	5	U	0							TRG	Y	20	1	WG	T	NA	12/04/2007	11:10	0.22	SW3005	11/30/2007	10:05	NONE
	Calcium	5	U	13383							TRG	Y	50	1	WG	T	NA	12/04/2007	11:10	0.068	SW3005	11/30/2007	10:05	NONE
	Chromium	13400		16.6							TRG	Y	30	1	WG	T	NA	12/04/2007	11:10	1.7	SW3005	11/30/2007	10:05	NONE
	Cobalt	16.6		0.7							TRG	Y	200	1	WG	T	NA	12/04/2007	11:10	89.0	SW3005	11/30/2007	10:05	NONE
	Copper	0.73	B	5.2							TRG	Y	10	1	WG	T	NA	12/04/2007	11:10	1.2	SW3005	11/30/2007	10:05	NONE
	Iron	5.2	B	363							TRG	Y	500	1	WG	T	NA	12/04/2007	11:10	7.9	SW3005	11/30/2007	10:05	NONE
	Lead	363		0.9							TRG	Y	50	1	WG	T	NA	12/04/2007	11:10	1.8	SW3005	11/30/2007	10:05	NONE
	Magnesium	3	U	3449							TRG	Y	0.20	1	WG	T	NA	12/03/2007	10:34	0.11	METHOD	11/30/2007	12:00	NONE
	Manganese	3450	B	29.9							TRG	Y	50	1	WG	T	NA	12/04/2007	11:10	0.22	SW3005	11/30/2007	10:05	NONE
	Nickel	29.9		11.8							TRG	Y	1000	1	WG	T	NA	12/05/2007	11:53	36.0	SW3005	11/30/2007	10:05	NONE
	Selenium	11.8	B	0							TRG	Y	30	1	WG	T	NA	12/04/2007	11:10	5.2	SW3005	11/30/2007	10:05	NONE
	Silver	5	U	0.35							TRG	N	30	1	WG	T	NA	12/04/2007	11:10	1.2	SW3005	11/30/2007	10:05	NONE
	Thallium	3.5	B	0							TRG	Y	20000	20	WG	T	NA	12/05/2007	10:50	1300	SW3005	11/30/2007	10:05	NONE
	Vanadium	10	U	0							TRG	N	20	1	WG	T	NA	12/04/2007	11:10	2.8	SW3005	11/30/2007	10:05	NONE
	Cadmium	0.78	B	0							TRG	Y	50	1	WG	T	NA	12/04/2007	11:10	0.40	SW3005	11/30/2007	10:05	NONE
	Zinc	19.7	BE	19.7							TRG	Y	50	1	WG	T	NA	12/04/2007	11:10	3.3	SW3005	11/30/2007	10:05	NONE
		Conc.	**Lab Qual**		**CRDL**	**MS**	**Dup.**	**Ser. Dil.**	**DV Qual.**	**LaBJ Qual**													
130173-FB-6408	Potassium	5000	U	0							TRG	Y	200	1	WG	T	NA	12/04/2007	11:13	37.0	SW3005	11/30/2007	10:05	NONE
Field Blank	Sodium	77.6	B	77.6							TRG	N	20	1	WG	T	NA	12/04/2007	11:13	4.4	SW3005	11/30/2007	10:05	NONE
G0859-02A	Mercury	0.11	B		155%						TRG	Y	20	1	WG	T	NA	12/04/2007	11:13	2.5	SW3005	11/30/2007	10:05	NONE
6/4/2008	Aluminum	20	B	20							TRG	Y	200	1	WG	T	NA	12/04/2007	11:13	11.0	SW3005	11/30/2007	10:05	NONE
µg/L	Antimony	60	U	0							TRG	Y	5.0	1	WG	T	NA	12/04/2007	11:13	0.051	SW3005	11/30/2007	10:05	NONE
	Arsenic	10	U	0							TRG	N	5.0	1	WG	T	NA	12/05/2007	16:00	0.11	SW3005	11/30/2007	10:05	NONE
	Barium	0.75	B	0.7							TRG	Y	800	1	WG	T	NA	12/04/2007	11:13	99.0	SW3005	11/30/2007	10:05	NONE
	Beryllium	5	U	0							TRG	Y	20	1	WG	T	NA	12/04/2007	11:13	0.22	SW3005	11/30/2007	10:05	NONE
	Calcium	0.16	B	0							TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	0.068	SW3005	11/30/2007	10:05	NONE
	Chromium	5000	U	0.4							TRG	Y	30	1	WG	T	NA	12/04/2007	11:13	1.7	SW3005	11/30/2007	10:05	NONE
	Cobalt	0.37	B	0							TRG	Y	200	1	WG	T	NA	12/04/2007	11:13	89.0	SW3005	11/30/2007	10:05	NONE
	Copper	50	U	2.8							TRG	Y	10	1	WG	T	NA	12/04/2007	11:13	1.2	SW3005	11/30/2007	10:05	NONE
	Iron	2.8	B	14.6							TRG	Y	500	1	WG	T	NA	12/04/2007	11:13	7.9	SW3005	11/30/2007	10:05	NONE
	Lead	14.6	B	0							TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	1.8	SW3005	11/30/2007	10:05	NONE
	Magnesium	3	U	0							TRG	Y	0.20	1	WG	T	NA	12/03/2007	10:36	0.11	METHOD	11/30/2007	12:00	NONE
	Manganese	5000	U								TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	0.22	SW3005	11/30/2007	10:05	NONE
	Nickel	1.7	B								TRG	Y	1000	1	WG	T	NA	12/05/2007	11:55	36.0	SW3005	11/30/2007	10:05	NONE
	Selenium	0.55	B		0%						TRG	N	30	1	WG	T	NA	12/04/2007	11:13	5.2	SW3005	11/30/2007	10:05	NONE
	Silver	5	U								TRG	Y	30	1	WG	T	NA	12/04/2007	11:13	1.2	SW3005	11/30/2007	10:05	NONE
	Thallium	3.4	B								TRG	Y	10000	10	WG	T	NA	12/05/2007	10:52	640	SW3005	11/30/2007	10:05	NONE
	Vanadium	10	U								TRG	N	20	1	WG	T	NA	12/04/2007	11:13	2.8	SW3005	11/30/2007	10:05	NONE
	Cadmium	50	U								TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	0.40	SW3005	11/30/2007	10:05	NONE
	Zinc	52.2	E					105%			TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	3.3	SW3005	11/30/2007	10:05	NONE
		Conc.	**Lab Qual**		**CRDL**	**MS**	**Dup.**	**Ser. Dil.**	**DV Qual.**	**LaBJ Qual**													
130173-MW-3-GW	Potassium	1520	B	1519							TRG	Y	200	1	WG	T	NA	12/04/2007	11:21	37.0	SW3005	11/30/2007	10:05	NONE
MW-3	Sodium	14700		14654							TRG	N	20	1	WG	T	NA	12/04/2007	11:21	4.4	SW3005	11/30/2007	10:05	NONE
G0859-03A	Mercury	0.094	B								TRG	Y	20	1	WG	T	NA	12/04/2007	11:21	2.5	SW3005	11/30/2007	10:05	NONE
6/4/2008	Aluminum	38.1	B								TRG	Y	200	1	WG	T	NA	12/04/2007	11:21	11.0	SW3005	11/30/2007	10:05	NONE
µg/L	Antimony	60	U								TRG	Y	5.0	1	WG	T	NA	12/04/2007	11:21	0.051	SW3005	11/30/2007	10:05	NONE
	Arsenic	2.5	B								TRG	N	5.0	1	WG	T	NA	12/05/2007	16:03	0.11	SW3005	11/30/2007	10:05	NONE
	Barium	34	B								TRG	Y	800	1	WG	T	NA	12/04/2007	11:21	99.0	SW3005	11/30/2007	10:05	NONE
	Beryllium	5	U								TRG	Y	20	1	WG	T	NA	12/04/2007	11:21	0.22	SW3005	11/30/2007	10:05	NONE
	Calcium	0.19	B								TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	0.068	SW3005	11/30/2007	10:05	NONE
	Chromium	13100									TRG	Y	30	1	WG	T	NA	12/04/2007	11:21	1.7	SW3005	11/30/2007	10:05	NONE
	Cobalt	7	B								TRG	Y	200	1	WG	T	NA	12/04/2007	11:21	89.0	SW3005	11/30/2007	10:05	NONE
	Copper	0.28	B								TRG	Y	10	1	WG	T	NA	12/04/2007	11:21	1.2	SW3005	11/30/2007	10:05	NONE
	Iron	3	B								TRG	Y	500	1	WG	T	NA	12/04/2007	11:21	7.9	SW3005	11/30/2007	10:05	NONE
	Lead	130									TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	1.8	SW3005	11/30/2007	10:05	NONE
	Magnesium	3	U								TRG	Y	0.20	1	WG	T	NA	12/03/2007	10:37	0.11	METHOD	11/30/2007	12:00	NONE
	Manganese	2840	B								TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	0.22	SW3005	11/30/2007	10:05	NONE
	Nickel	6.8	B								TRG	Y	1000	1	WG	T	NA	12/05/2007	11:58	36.0	SW3005	11/30/2007	10:05	NONE
	Selenium	5.3	B								TRG	N	30	1	WG	T	NA	12/04/2007	11:21	5.2	SW3005	11/30/2007	10:05	NONE
	Silver	5	U								TRG	Y	30	1	WG	T	NA	12/04/2007	11:21	1.2	SW3005	11/30/2007	10:05	NONE
	Thallium	2.2	B								TRG	Y	20000	20	WG	T	NA	12/05/2007	10:54	1300	SW3005	11/30/2007	10:05	NONE
	Vanadium	10	U								TRG	N	20	1	WG	T	NA	12/04/2007	11:21	2.8	SW3005	11/30/2007	10:05	NONE
	Cadmium	50	U								TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	0.40	SW3005	11/30/2007	10:05	NONE
	Zinc	14	BE								TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	3.3	SW3005	11/30/2007	10:05	NONE

Corrected EDDS - Use for final reporting

	chemical_name	result_value	lab_ qualifiers						laBJ_ qualifiers	result_ type_ code	detect_ flag	reporting_ detection_ limit	dilution_ factor	sample_ matrix_ code	total _ or_ dissolv ed	basis	analysis_ date	analysis_ time	method_ detection _ limit	lab_ prep_ method_ name	prep_date	prep_time	result_ comment
		Conc.	**Lab Qual**	**DV Conc**	**CRDL**	**MS**	**Dup.**	**Ser. Dil.**	**DV Qual.**	**Comb Qual**													
130173-MW-4-GW	Aluminum	130	B	130.4					J	BJ	TRG	Y	200	1	WG	T	NA	12/04/2007	11:10	37.0	SW3005	11/30/2007	10:05	NONE
MW-4	Antimony	2	U	0						U	TRG	N	20	1	WG	T	NA	12/04/2007	11:10	4.4	SW3005	11/30/2007	10:05	NONE
G0859-01A	Arsenic	2.5	U	0						U	TRG	Y	20	1	WG	T	NA	12/04/2007	11:10	2.5	SW3005	11/30/2007	10:05	NONE
6/4/2008	Barium	44	B	44					J	BJ	TRG	Y	200	1	WG	T	NA	12/04/2007	11:10	11.0	SW3005	11/30/2007	10:05	NONE
µg/L	Beryllium	0.03	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/04/2007	11:10	0.051	SW3005	11/30/2007	10:05	NONE
	Cadmium	0.13	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/2007	11:10	0.40	SW3005	11/30/2007	10:05	NONE
	Calcium	13400		13383							TRG	Y	5.0	1	WG	T	NA	12/05/2007	15:57	0.11	SW3005	11/30/2007	10:05	NONE
	Chromium	16.6		16.6							TRG	Y	800	1	WG	T	NA	12/04/2007	11:10	99.0	SW3005	11/30/2007	10:05	NONE
	Cobalt	0.73	B	0.7					J	BJ	TRG	Y	20	1	WG	T	NA	12/04/2007	11:10	0.22	SW3005	11/30/2007	10:05	NONE
	Copper	5.2	B	5.2					J	BJ	TRG	Y	50	1	WG	T	NA	12/04/2007	11:10	0.068	SW3005	11/30/2007	10:05	NONE
	Iron	363		363.2							TRG	Y	30	1	WG	T	NA	12/04/2007	11:10	1.7	SW3005	11/30/2007	10:05	NONE
	Lead	1.3	U	0						U	TRG	Y	200	1	WG	T	NA	12/04/2007	11:10	89.0	SW3005	11/30/2007	10:05	NONE
	Magnesium	3450	B	3449					J	BJ	TRG	Y	10	1	WG	T	NA	12/04/2007	11:10	1.2	SW3005	11/30/2007	10:05	NONE
	Manganese	29.9		29.9							TRG	Y	500	1	WG	T	NA	12/04/2007	11:10	7.9	SW3005	11/30/2007	10:05	NONE
	Mercury	0.098	B	0.1	150%				J	BJ														
	Nickel	11.8	B	11.8					J	BJ	TRG	Y	50	1	WG	T	NA	12/04/2007	11:10	1.8	SW3005	11/30/2007	10:05	NONE
	Potassium	1830	B	1831					J	BJ														
	Selenium	4.8	U	0%	0%					U	TRG	Y	0.20	1	WG	T	NA	12/03/2007	10:34	0.11	METHOD	11/30/2007	12:00	NONE
	Silver	3.5	B	3.5					J	BJ	TRG	Y	50	1	WG	T	NA	12/04/2007	11:10	0.22	SW3005	11/30/2007	10:05	NONE
	Sodium	11900		11944							TRG	Y	1000	1	WG	T	NA	12/05/2007	11:53	36.0	SW3005	11/30/2007	10:05	NONE
	Thallium	2.3	U	0						U	TRG	Y	30	1	WG	T	NA	12/04/2007	11:10	5.2	SW3005	11/30/2007	10:05	NONE
	Vanadium	0.78	B	0.8					J	BJ	TRG	Y	20000	20	WG	T	NA	12/05/2007	10:50	1300	SW3005	11/30/2007	10:05	NONE
	Zinc	19.7	BE	19.7				105%	R	R														

		Conc.	**Lab Qual**	**DV Conc**	**CRDL**	**MS**	**Dup.**	**Ser. Dil.**	**DV Qual.**	**Comb Qual**														
130173-FB-6408	Aluminum	20	B	20					J	BJ	TRG	Y	200	1	WG	T	NA	12/04/2007	11:13	37.0	SW3005	11/30/2007	10:05	NONE
Field Blank	Antimony	2	U	0						U	TRG	N	20	1	WG	T	NA	12/04/2007	11:13	4.4	SW3005	11/30/2007	10:05	NONE
G0859-02A	Arsenic	2.5	U	0						U	TRG	Y	20	1	WG	T	NA	12/04/2007	11:13	2.5	SW3005	11/30/2007	10:05	NONE
6/4/2008	Barium	0.75	B	0.7					J	BJ	TRG	Y	200	1	WG	T	NA	12/04/2007	11:13	11.0	SW3005	11/30/2007	10:05	NONE
µg/L	Beryllium	0.03	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/04/2007	11:13	0.051	SW3005	11/30/2007	10:05	NONE
	Cadmium	0.16	B	0.2					J	BJ	TRG	N	5.0	1	WG	T	NA	12/05/2007	16:00	0.11	SW3005	11/30/2007	10:05	NONE
	Calcium	73	U	0						U	TRG	Y	800	1	WG	T	NA	12/04/2007	11:13	99.0	SW3005	11/30/2007	10:05	NONE
	Chromium	0.37	B	0.4					J	BJ	TRG	Y	20	1	WG	T	NA	12/04/2007	11:13	0.22	SW3005	11/30/2007	10:05	NONE
	Cobalt	0.21	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	0.068	SW3005	11/30/2007	10:05	NONE
	Copper	2.8	B	2.8					J	BJ	TRG	Y	30	1	WG	T	NA	12/04/2007	11:13	1.7	SW3005	11/30/2007	10:05	NONE
	Iron	14.6	B	14.6					J	BJ	TRG	Y	200	1	WG	T	NA	12/04/2007	11:13	89.0	SW3005	11/30/2007	10:05	NONE
	Lead	1.3	U	0						U	TRG	Y	10	1	WG	T	NA	12/04/2007	11:13	1.2	SW3005	11/30/2007	10:05	NONE
	Magnesium	6.4	U	0						U	TRG	Y	500	1	WG	T	NA	12/04/2007	11:13	7.9	SW3005	11/30/2007	10:05	NONE
	Manganese	1.7	B	1.7					J	BJ	TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	1.8	SW3005	11/30/2007	10:05	NONE
	Mercury	0.11	B	0.11	150%				J	BJ	TRG	Y	0.20	1	WG	T	NA	12/03/2007	10:36	0.11	METHOD	11/30/2007	12:00	NONE
	Nickel	0.55	B	0.5					J	BJ	TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	0.22	SW3005	11/30/2007	10:05	NONE
	Potassium	334.8	U	32.3						U	TRG	Y	1000	1	WG	T	NA	12/05/2007	11:55	36.0	SW3005	11/30/2007	10:05	NONE
	Selenium	4.8	U	0	0%					U	TRG	N	30	1	WG	T	NA	12/04/2007	11:13	5.2	SW3005	11/30/2007	10:05	NONE
	Silver	3.4	B	3.4					J	BJ	TRG	Y	30	1	WG	T	NA	12/04/2007	11:13	1.2	SW3005	11/30/2007	10:05	NONE
	Sodium	77.6	B	77.6					J	BJ	TRG	Y	10000	10	WG	T	NA	12/05/2007	10:52	640	SW3005	11/30/2007	10:05	NONE
	Thallium	2.3	U	0						U	TRG	N	20	1	WG	T	NA	12/04/2007	11:13	2.8	SW3005	11/30/2007	10:05	NONE
	Vanadium	0.5	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	0.40	SW3005	11/30/2007	10:05	NONE
	Zinc	52.2	E	52.2				105%	R	R	TRG	Y	50	1	WG	T	NA	12/04/2007	11:13	3.3	SW3005	11/30/2007	10:05	NONE

		Conc.	**Lab Qual**	**DV Conc**	**CRDL**	**MS**	**Dup.**	**Ser. Dil.**	**DV Qual.**	**Comb Qual**														
130173-MW-3-GW	Aluminum	38.1	B	38.1					J	BJ	TRG	Y	200	1	WG	T	NA	12/04/2007	11:21	37.0	SW3005	11/30/2007	10:05	NONE
MW-3	Antimony	2	U	0						U	TRG	N	20	1	WG	T	NA	12/04/2007	11:21	4.4	SW3005	11/30/2007	10:05	NONE
G0859-03A	Arsenic	2.5	B	2.5					J	BJ	TRG	Y	20	1	WG	T	NA	12/04/2007	11:21	2.5	SW3005	11/30/2007	10:05	NONE
6/4/2008	Barium	34	B	34					J	BJ	TRG	Y	200	1	WG	T	NA	12/04/2007	11:21	11.0	SW3005	11/30/2007	10:05	NONE
µg/L	Beryllium	0.03	U	0						U	TRG	Y	5.0	1	WG	T	NA	12/04/2007	11:21	0.051	SW3005	11/30/2007	10:05	NONE
	Cadmium	0.19	B	0.2					J	BJ	TRG	N	5.0	1	WG	T	NA	12/05/2007	16:03	0.11	SW3005	11/30/2007	10:05	NONE
	Calcium	13100		13060							TRG	Y	800	1	WG	T	NA	12/04/2007	11:21	99.0	SW3005	11/30/2007	10:05	NONE
	Chromium	7	B	7					J	BJ	TRG	Y	20	1	WG	T	NA	12/04/2007	11:21	0.22	SW3005	11/30/2007	10:05	NONE
	Cobalt	0.28	B	0.3					J	BJ	TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	0.068	SW3005	11/30/2007	10:05	NONE
	Copper	3	B	3					J	BJ	TRG	Y	30	1	WG	T	NA	12/04/2007	11:21	1.7	SW3005	11/30/2007	10:05	NONE
	Iron	130		129.9							TRG	Y	200	1	WG	T	NA	12/04/2007	11:21	89.0	SW3005	11/30/2007	10:05	NONE
	Lead	1.3	U	0						U	TRG	Y	10	1	WG	T	NA	12/04/2007	11:21	1.2	SW3005	11/30/2007	10:05	NONE
	Magnesium	2840	B	2838					J	BJ	TRG	Y	500	1	WG	T	NA	12/04/2007	11:21	7.9	SW3005	11/30/2007	10:05	NONE
	Manganese	6.8	B	6.8					J	BJ	TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	1.8	SW3005	11/30/2007	10:05	NONE
	Mercury	0.094	B	0.09	150%				J	BJ	TRG	Y	0.20	1	WG	T	NA	12/03/2007	10:37	0.11	METHOD	11/30/2007	12:00	NONE
	Nickel	5.3	B	0.053					J	BJ	TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	0.22	SW3005	11/30/2007	10:05	NONE
	Potassium	1520	B	1519					J	BJ	TRG	Y	1000	1	WG	T	NA	12/05/2007	11:58	36.0	SW3005	11/30/2007	10:05	NONE
	Selenium	4.8	U	0	0%					U	TRG	N	30	1	WG	T	NA	12/04/2007	11:21	5.2	SW3005	11/30/2007	10:05	NONE
	Silver	2.2	B	2.2					J	BJ	TRG	Y	30	1	WG	T	NA	12/04/2007	11:21	1.2	SW3005	11/30/2007	10:05	NONE
	Sodium	14700		14654							TRG	Y	20000	20	WG	T	NA	12/05/2007	10:54	1300	SW3005	11/30/2007	10:05	NONE
	Thallium	2.3	U	0						U	TRG	N	20	1	WG	T	NA	12/04/2007	11:21	2.8	SW3005	11/30/2007	10:05	NONE
	Vanadium	0.5	U	0						U	TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	0.40	SW3005	11/30/2007	10:05	NONE
	Zinc	14	BE	14				105%	R	R	TRG	Y	50	1	WG	T	NA	12/04/2007	11:21	3.3	SW3005	11/30/2007	10:05	NONE

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive

Water Semivolatile Organic Analyses – Method OLC3.2
Samples Collected: June 3, 2008
Samples Received: June 4, 2008
Sample Delivery Group: G0846
Laboratory Reference Numbers:

130173-MW-1-GW	G0846-02
130173-MW-1-GW MS	G0846-02 MS
130173-MW-1-GW MSD	G0846-02 MSD
130173-FB-6308	G0846-03
130173-MW-6-GW	G0846-04
130173-MW-66-GW	G0846-05
130173-MW-2-GW	G0846-06
130173-MW-5-GW	G0846-07

SEMIVOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: S1
Tune File ID: S1F7230.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: S1F7231.D **Date:** 6/11/2008 **Page:** 140
Associated Samples: All

CALIBRATION VERIFICATION:

Compound	4-Chloroaniline				Chrysene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
5	76,168	744,604	0.409	0.409	169,051	574,919	1.176	1.176
10	142,565	710,903	0.401	0.401	315,783	571,674	1.105	1.105
20	248,099	689,869	0.360	0.360	571,682	536,912	1.065	1.065
50	687,510	751,582	0.366	0.366	1,500,695	560,073	1.072	1.072
80	1,035,283	685,791	0.377	0.377	1,951,176	505,936	0.964	0.964
Average			0.383	0.383			1.076	10.760
			Calc	**Reported**			**Calc**	**Reported**
%RSD			5.67%	5.70%			7.12%	7.10%

SEMIVOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: S1
Tune File ID: S1F7240.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: S1F7241.D **Date:** 6/12/2008 **Page:** 164
Initial Calibration File ID: S1F7231.D **Date:** 6/11/2008 **Page:** 140
Associated Samples: All

CALIBRATION VERIFICATION:

Compound	Naphthalene				Pyrene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
20	622,702	687,175	0.906	0.906	567,458	525,221	1.080	1.080
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.924	**Calc**	**Reported**		1.140	**Calc**	**Reported**
			-1.93	1.90			-5.23	5.30

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Shames Drive

Water Semivolatile Organic Analyses – Method OLC3.2
Samples Collected: June 4, 2008
Samples Received: June 5, 2008
Sample Delivery Group: G0859
Laboratory Reference Numbers:

130173-MW-4-GW	G0849-01
130173-FB-6408	G0849-02
130173-MW-3-GW	G0849-03

Water samples were validated for analyses of semivolatile organics by the US EPA Region II data validation SOP (HW-35, Revision 0). Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
- Calibrations
* - Laboratory Blanks
* - Laboratory Control Sample
- Surrogate Compound Recoveries
* - Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
- Field Blank
* - Compound Identification
* - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The minor problems with the field blank and calibrations should be noted. These are discussed in detail below.

Holding Times

All samples were extracted and analyzed within the contractual and technical times required by the US EPA Region II protocols.

Continuous extraction of water samples for semivolatile analysis was started within 7 days of the date of collection.

Extracts were analyzed within 40 days of the date of extraction

Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

Surrogate Recoveries

All system monitoring compound recoveries were within the EPA Region II quality assurance limits with the following exceptions:

130173-MW-4-GW	G0849-01
130173-FB-6408	G0849-02

All of the affected recoveries were just above the quality control limits.

The data were not qualified since the high recoveries were most likely due to increased extraction efficiency.

Matrix Spike / Matrix Spike Duplicate

A matrix spike was not analyzed with this sample delivery group.

Laboratory Control Sample

All recoveries were within the required limits.

Calibrations

The %RSDs of all compounds in the one initial calibration associated with the analysis of all of the samples were less than the required limits.

The percent difference of all compounds in the 1/29 continuing calibration associated with the analysis of samples –14, -05, -06, -05DL and -16DL were less than the 25% quality assurance limits with the exceptions of 2,4,5-trichlorophenol (30%) and4-nitroanaline (26%).

The data for these compounds were flagged with the “J” qualifier and are estimated values. The compounds were not detected in any of the samples.

Method Blanks

No target compounds were detected in the method blank.

Field Blank

A low concentration of phenol (1.3J ug/l) was detected in the field blank.

This compound was not detected in either of the samples and the blank contamination does not affect the use of the data.

Internal Standard Areas and Retention Times

All internal standard recoveries and retention times were within the required limits.

Sample Results

No other problems were found with the results of any of the samples of this delivery group.

130173-MW-4-GW	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Lab Qual.
MW-4	1,1-Biphenyl	5	U			#9			<20.5%	<25%	#3		U
G0859-01A	1,2,4,5-Tetrachlorobenzene	5	U			#7			<20.5%	<25%	#3		U
6/4/2008	2,2-Oxybis(1-chloropropane)	5	U			#2			<50%	<25%	#1		U
µg/L	2,4,5-Trichlorophenol	20	U			#7			<20.5%	**30%**	#3	J	UJ
	2,4,6-Trichlorophenol	5	U			#7			<20.5%	<25%	#3		U
	2,4-Dichlorophenol	5	U			#7			<20.5%	<25%	#2		U
	2,4-Dimethylphenol	5	U			#4			<30%	<25%	#2		U
	2,4-Dinitrophenol	20	U			#11			<50%	<25%	#3		U
	2,4-Dinitrotoluene	5	U			#5			<30%	<25%	#3		U
	2,6-Dinitrotoluene	5	U			#5			<20.5%	<25%	#3		U
	2-Chloronaphthalene	5	U			#10			<20.5%	<25%	#3		U
	2-Chlorophenol	5	U			#3			<20.5%	<25%	#1		U
	2-Methylnaphthalene	5	U			#10			<20.5%	<25%	#2		U
	2-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	2-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	2-Nitrophenol	5	U			#6			<30%	<25%	#2		U
	3,3-Dichlorobenzidine	5	U			#8			<50%	<25%	#5		U
	3-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	4,6-Dinitro-2-methylphenol	20	U			#13			<50%	<25%	#4		U
	4-Bromophenyl-phenylether	5	U			#12			<20.5%	<25%	#4		U
	4-Chloro-3-methylphenol	5	U			#7			<20.5%	<25%	#2		U
	4-Chloroaniline	5	U			#8			<50%	<25%	#2		U
	4-Chlorophenyl-phenylether	5	U			#12			<20.5%	<25%	#3		U
	4-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	4-Nitroaniline	20	U			#11			<20.5%	**26%**	#3	J	UJ
	4-Nitrophenol	20	U			#11			<50%	<25%	#3		U
	Acenaphthene	5	U			#10			<20.5%	<25%	#3		U
	Acenaphthylene	5	U			#10			<20.5%	<25%	#3		U
	Acetophenone	5	U			#5			<50%	<25%	#1		U
	Anthracene	5	U			#14			<20.5%	<25%	#4		U
	Atrazine	5	U			#14			<20.5%	<25%	#4		U
	Benzaldehyde	5	U			#1			<50%	<25%	#1		U
	Benzo(a)anthracene	5	U			#15			<20.5%	<25%	#5		U
	Benzo(a)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(b)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(g,h,i)perylene	5	U			#17			<20.5%	<25%	#6		U
	Benzo(k)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Bis(2-chloroethoxy)methane	5	U			#2			<20.5%	<25%	#2		U
	Bis(2-chloroethyl)ether	5	U			#2			<20.5%	<25%	#1		U
	Bis(2-ethylhexyl)phthalate	5	U			#9			<20.5%	<25%	#5		U
	Butylbenzylphthalate	5	U			#9			<20.5%	<25%	#5		U
	Caprolactam	5	U			#9			<50%	<25%	#2		U
	Chrysene	5	U			#15			<20.5%	<25%	#5		U
	Di-n-butylphthalate	5	U			#9			<20.5%	<25%	#4		U
	Di-n-octylphthalate	5	U			#9			<20.5%	<25%	#6		U
	Dibenzo(a,h)anthracene	5	U			#16			<20.5%	<25%	#6		U
	Dibenzofuran	5	U			#12			<20.5%	<25%	#3		U
	Diethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Dimethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Fluoranthene	5	U			#15			<20.5%	<25%	#4		U
	Fluorene	5	U			#12			<20.5%	<25%	#3		U
	Hexachlorobenzene	5	U			#14			<20.5%	<25%	#4		U
	Hexachlorobutadiene	5	U			#7			<50%	<25%	#2		U
	Hexachlorocyclopentadiene	5	U			#8			<50%	<25%	#3		U
	Hexachloroethane	5	U			#5			<20.5%	<25%	#1		U
	Indeno(1,2,3-cd)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Isophorone	5	U			#6			<20.5%	<25%	#2		U
	N-Nitroso-di-n-propylamine	5	U			#5			<20.5%	<25%	#1		U
	N-Nitrosodiphenylamine	5	U			#5			<50%	<25%	#4		U
	Naphthalene	5	U			#10			<20.5%	<25%	#2		U
	Nitrobenzene	5	U			#5			<20.5%	<25%	#2		U
	Pentachlorophenol	5	U			#7			<50%	<25%	#4		U
	Phenanthrene	5	U			#14			<20.5%	<25%	#4		U
	Phenol	5	U			#1			<20.5%	<25%	#1		U
	Pyrene	5	U			#15			<20.5%	<25%	#5		U

130173-FB-6408	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Lab Qual.
Field Blank	1,1-Biphenyl	5	U			#9			<20.5%	<25%	#3		U
G0859-02A	1,2,4,5-Tetrachlorobenzene	5	U			#7			<20.5%	<25%	#3		U
6/4/2008	2,2-Oxybis(1-chloropropane)	5	U			#2			<50%	<25%	#1		U
µg/L	2,4,5-Trichlorophenol	20	U			#7			<20.5%	**30%**	#3	J	UJ
	2,4,6-Trichlorophenol	5	U			#7			<20.5%	<25%	#3		U
	2,4-Dichlorophenol	5	U			#7			<20.5%	<25%	#2		U
	2,4-Dimethylphenol	5	U			#4			<30%	<25%	#2		U
	2,4-Dinitrophenol	20	U			#11			<50%	<25%	#3		U
	2,4-Dinitrotoluene	5	U			#5			<30%	<25%	#3		U
	2,6-Dinitrotoluene	5	U			#5			<20.5%	<25%	#3		U
	2-Chloronaphthalene	5	U			#10			<20.5%	<25%	#3		U
	2-Chlorophenol	5	U			#3			<20.5%	<25%	#1		U
	2-Methylnaphthalene	5	U			#10			<20.5%	<25%	#2		U
	2-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	2-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	2-Nitrophenol	5	U			#6			<30%	<25%	#2		U
	3,3-Dichlorobenzidine	5	U			#8			<50%	<25%	#5		U
	3-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	4,6-Dinitro-2-methylphenol	20	U			#13			<50%	<25%	#4		U
	4-Bromophenyl-phenylether	5	U			#12			<20.5%	<25%	#4		U
	4-Chloro-3-methylphenol	5	U			#7			<20.5%	<25%	#2		U
	4-Chloroaniline	5	U			#8			<50%	<25%	#2		U
	4-Chlorophenyl-phenylether	5	U			#12			<20.5%	<25%	#3		U
	4-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	4-Nitroaniline	20	U			#11			<20.5%	**26%**	#3	J	UJ
	4-Nitrophenol	20	U			#11			<50%	<25%	#3		U
	Acenaphthene	5	U			#10			<20.5%	<25%	#3		U
	Acenaphthylene	5	U			#10			<20.5%	<25%	#3		U
	Acetophenone	5	U			#5			<50%	<25%	#1		U
	Anthracene	5	U			#14			<20.5%	<25%	#4		U
	Atrazine	5	U			#14			<20.5%	<25%	#4		U
	Benzaldehyde	5	U			#1			<50%	<25%	#1		U
	Benzo(a)anthracene	5	U			#15			<20.5%	<25%	#5		U
	Benzo(a)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(b)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(g,h,i)perylene	5	U			#17			<20.5%	<25%	#6		U
	Benzo(k)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Bis(2-chloroethoxy)methane	5	U			#2			<20.5%	<25%	#2		U
	Bis(2-chloroethyl)ether	5	U			#2			<20.5%	<25%	#1		U
	Bis(2-ethylhexyl)phthalate	5	U			#9			<20.5%	<25%	#5		U
	Butylbenzylphthalate	5	U			#9			<20.5%	<25%	#5		U
	Caprolactam	5	U			#9			<50%	<25%	#2		U
	Chrysene	5	U			#15			<20.5%	<25%	#5		U
	Di-n-butylphthalate	5	U			#9			<20.5%	<25%	#4		U
	Di-n-octylphthalate	5	U			#9			<20.5%	<25%	#6		U
	Dibenzo(a,h)anthracene	5	U			#16			<20.5%	<25%	#6		U
	Dibenzofuran	5	U			#12			<20.5%	<25%	#3		U
	Diethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Dimethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Fluoranthene	5	U			#15			<20.5%	<25%	#4		U
	Fluorene	5	U			#12			<20.5%	<25%	#3		U
	Hexachlorobenzene	5	U			#14			<20.5%	<25%	#4		U
	Hexachlorobutadiene	5	U			#7			<50%	<25%	#2		U
	Hexachlorocyclopentadiene	5	U			#8			<50%	<25%	#3		U
	Hexachloroethane	5	U			#5			<20.5%	<25%	#1		U
	Indeno(1,2,3-cd)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Isophorone	5	U			#6			<20.5%	<25%	#2		U
	N-Nitroso-di-n-propylamine	5	U			#5			<20.5%	<25%	#1		U
	N-Nitrosodiphenylamine	5	U			#5			<50%	<25%	#4		U
	Naphthalene	5	U			#10			<20.5%	<25%	#2		U
	Nitrobenzene	5	U			#5			<20.5%	<25%	#2		U
	Pentachlorophenol	5	U			#7			<50%	<25%	#4		U
	Phenanthrene	5	U			#14			<20.5%	<25%	#4		U
	Phenol	1.3	J			#1			<20.5%	<25%	#1		U
	Pyrene	5	U			#15			<20.5%	<25%	#5		U

130173-MW-3-GW	COMPOUND	Lab Conc.	Lab Qual.	DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Lab Qual.
MW-3	1,1-Biphenyl	5	U			#9			<20.5%	<25%	#3		U
G0859-03A	1,2,4,5-Tetrachlorobenzene	5	U			#7			<20.5%	<25%	#3		U
6/4/2008	2,2-Oxybis(1-chloropropane)	5	U			#2			<50%	<25%	#1		U
µg/L	2,4,5-Trichlorophenol	20	U			#7			<20.5%	**30%**	#3	J	UJ
	2,4,6-Trichlorophenol	5	U			#7			<20.5%	<25%	#3		U
	2,4-Dichlorophenol	5	U			#7			<20.5%	<25%	#2		U
	2,4-Dimethylphenol	5	U			#4			<30%	<25%	#2		U
	2,4-Dinitrophenol	20	U			#11			<50%	<25%	#3		U
	2,4-Dinitrotoluene	5	U			#5			<30%	<25%	#3		U
	2,6-Dinitrotoluene	5	U			#5			<20.5%	<25%	#3		U
	2-Chloronaphthalene	5	U			#10			<20.5%	<25%	#3		U
	2-Chlorophenol	5	U			#3			<20.5%	<25%	#1		U
	2-Methylnaphthalene	5	U			#10			<20.5%	<25%	#2		U
	2-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	2-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	2-Nitrophenol	5	U			#6			<30%	<25%	#2		U
	3,3-Dichlorobenzidine	5	U			#8			<50%	<25%	#5		U
	3-Nitroaniline	20	U			#11			<50%	<25%	#3		U
	4,6-Dinitro-2-methylphenol	20	U			#13			<50%	<25%	#4		U
	4-Bromophenyl-phenylether	5	U			#12			<20.5%	<25%	#4		U
	4-Chloro-3-methylphenol	5	U			#7			<20.5%	<25%	#2		U
	4-Chloroaniline	5	U			#8			<50%	<25%	#2		U
	4-Chlorophenyl-phenylether	5	U			#12			<20.5%	<25%	#3		U
	4-Methylphenol	5	U			#4			<20.5%	<25%	#1		U
	4-Nitroaniline	20	U			#11			<20.5%	**26%**	#3	J	UJ
	4-Nitrophenol	20	U			#11			<50%	<25%	#3		U
	Acenaphthene	5	U			#10			<20.5%	<25%	#3		U
	Acenaphthylene	5	U			#10			<20.5%	<25%	#3		U
	Acetophenone	5	U			#5			<50%	<25%	#1		U
	Anthracene	5	U			#14			<20.5%	<25%	#4		U
	Atrazine	5	U			#14			<20.5%	<25%	#4		U
	Benzaldehyde	5	U			#1			<50%	<25%	#1		U
	Benzo(a)anthracene	5	U			#15			<20.5%	<25%	#5		U
	Benzo(a)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(b)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Benzo(g,h,i)perylene	5	U			#17			<20.5%	<25%	#6		U
	Benzo(k)fluoranthene	5	U			#16			<20.5%	<25%	#6		U
	Bis(2-chloroethoxy)methane	5	U			#2			<20.5%	<25%	#2		U
	Bis(2-chloroethyl)ether	5	U			#2			<20.5%	<25%	#1		U
	Bis(2-ethylhexyl)phthalate	5	U			#9			<20.5%	<25%	#5		U
	Butylbenzylphthalate	5	U			#9			<20.5%	<25%	#5		U
	Caprolactam	5	U			#9			<50%	<25%	#2		U
	Chrysene	5	U			#15			<20.5%	<25%	#5		U
	Di-n-butylphthalate	5	U			#9			<20.5%	<25%	#4		U
	Di-n-octylphthalate	5	U			#9			<20.5%	<25%	#6		U
	Dibenzo(a,h)anthracene	5	U			#16			<20.5%	<25%	#6		U
	Dibenzofuran	5	U			#12			<20.5%	<25%	#3		U
	Diethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Dimethylphthalate	5	U			#9			<20.5%	<25%	#3		U
	Fluoranthene	5	U			#15			<20.5%	<25%	#4		U
	Fluorene	5	U			#12			<20.5%	<25%	#3		U
	Hexachlorobenzene	5	U			#14			<20.5%	<25%	#4		U
	Hexachlorobutadiene	5	U			#7			<50%	<25%	#2		U
	Hexachlorocyclopentadiene	5	U			#8			<50%	<25%	#3		U
	Hexachloroethane	5	U			#5			<20.5%	<25%	#1		U
	Indeno(1,2,3-cd)pyrene	5	U			#16			<20.5%	<25%	#6		U
	Isophorone	5	U			#6			<20.5%	<25%	#2		U
	N-Nitroso-di-n-propylamine	5	U			#5			<20.5%	<25%	#1		U
	N-Nitrosodiphenylamine	5	U			#5			<50%	<25%	#4		U
	Naphthalene	5	U			#10			<20.5%	<25%	#2		U
	Nitrobenzene	5	U			#5			<20.5%	<25%	#2		U
	Pentachlorophenol	5	U			#7			<50%	<25%	#4		U
	Phenanthrene	5	U			#14			<20.5%	<25%	#4		U
	Phenol	5	U			#1			<20.5%	<25%	#1		U
	Pyrene	5	U			#15			<20.5%	<25%	#5		U

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive NY Standard Motor Products Site
2-41-016

Water Volatile Organic Analyses – Method OLC3.2
Samples Collected: June 3, 2008
Samples Received: June 4, 2008
Sample Delivery Group: G0846
Laboratory Reference Numbers:

130173-TB	G0846-01
130173-MW-1-GW	G0846-02
130173-MW-1-GW MS	G0846-02 MS
130173-MW-1-GW MSD	G0846-02 MSD
130173-FB-6308	G0846-03
130173-MW-6-GW	G0846-04
130173-MW-6-GW DL	G0846-04 DL
130173-MW-66-GW	G0846-05
130173-MW-66-GW DL	G0846-05 DL
130173-MW-2-GW	G0846-06
130173-MW-5-GW	G0846-07
Holding Blank	

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: V2
Level: Low
Tune File ID: V2K4431.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: V2K4421.D **Date:** 5/13/2008 **Page:** 40
Associated Samples: QC-2B, -02, -03, QC-C2, -01, VHBLKC2

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.050		Chlorobenzene	<30		>0.050	
1,1,2-Trichloro-1,2,2-trifluo	<30		>0.050		Chloroethane	<50		>0.010	
1,1,2-Trichloroethane	<30		>0.050		Chloroform	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		Chloromethane	<50		>0.010	
1,1-Dichloroethene	<30		>0.050		cis-1,2-Dichloroethene	<30		>0.050	
1,2,3-Trichlorobenzene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<50		>0.010	
1,2-Dibromo-3-chloropropa	<50		>0.010		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<50		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<50		>0.010		Methyl acetate	<30		>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-Dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanone	<50		>0.010		Methylene chloride	<30		>0.050	
2-Hexanone	<50		>0.010		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.010		Tetrachloroethene	<30		>0.050	
Acetone	<50		>0.010		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromochloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromodichloromethane	<30		>0.050		Trichloroethene	<30		>0.050	
Bromoform	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Bromomethane	<30		>0.050		Vinyl chloride	<30		>0.050	
Carbon disulfide	<50		>0.010		Xylenes (Total)	<30		>0.050	

CALIBRATION VERIFICATION:

Compound	Vinyl Chloride				Benzene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPBV								
0.5	11,317	750,218	0.151	0.151	95,952	508,072	1.889	1.889
1	31,844	726,844	0.219	0.219	192,268	490,943	1.958	1.958
5	172,946	673,646	0.257	0.257	961,065	475,715	2.020	2.020
10	345,915	752,684	0.230	0.230	1,882,625	513,153	1.834	1.834
25	824,033	747,158	0.221	0.221	4,438,080	528,083	1.681	1.681
Average			0.215	0.215			1.876	1.876
			Calc	**Reported**			**Calc**	**Reported**
%RSD			18.16%	18.20%			6.92%	6.90%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: V2
Level: Low
Tune File ID: V2K4621.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: V2K4622.D **Date:** 6/5/2008 **Page:** 58
Initial Calibration File ID: V2K4421.D **Date:** 5/13/2008 **Page:** 40
Associated Samples: QC-2B, -02, -03

COMPOUND LIST

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.050		Chlorobenzene	<30		>0.050	
1,1,2-Trichloro-1,2,2-trifluo	<30		>0.050		Chloroethane	<50		>0.010	
1,1,2-Trichloroethane	<30		>0.050		Chloroform	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		Chloromethane	<50		>0.010	
1,1-Dichloroethene	<30		>0.050		cis-1,2-Dichloroethene	<30		>0.050	
1,2,3-Trichlorobenzene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<50		>0.010	
1,2-Dibromo-3-chloroprop	<50		>0.010		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<50		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<50		>0.010		Methyl acetate	<30		>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-Dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanone	<50		>0.010		Methylene chloride	<30		>0.050	
2-Hexanone	<50		>0.010		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.010		Tetrachloroethene	<30		>0.050	
Acetone	<50		>0.010		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromochloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromodichloromethane	<30		>0.050		Trichloroethene	<30		>0.050	
Bromoform	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Bromomethane	<30		>0.050		Vinyl chloride	<30		>0.050	
Carbon disulfide	<50		>0.010		Xylenes (Total)	<30		>0.050	

CALIBRATION VERIFICATION:

Compound	Trichloroethene				Styrene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
5	256,028	491,046	0.521	0.521	400,293	491,046	0.815	0.815
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.555	**Calc**	**Reported**		0.758	**Calc**	**Reported**
			-6.06	6.00			7.54	7.60

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: V2
Level: Low
Tune File ID: V2K4641.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: V2K4642.D **Date:** 6/6/2008 **Page:** 61
Initial Calibration File ID: V2K4421.D **Date:** 5/13/2008 **Page:** 40
Associated Samples: QC-C2, -01, VHBLKC2

COMPOUND LIST

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.050		Chlorobenzene	<30	33%	>0.050	
1,1,2-Trichloro-1,2,2-trifluo	<30		>0.050		Chloroethane	<50		>0.010	
1,1,2-Trichloroethane	<30		>0.050		Chloroform	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		Chloromethane	<50		>0.010	
1,1-Dichloroethene	<30		>0.050		cis-1,2-Dichloroethene	<30		>0.050	
1,2,3-Trichlorobenzene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<50		>0.010	
1,2-Dibromo-3-chloroprop	<50		>0.010		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<50		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<50		>0.010		Methyl acetate	<30	34%	>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-Dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanone	<50		>0.010		Methylene chloride	<30		>0.050	
2-Hexanone	<50		>0.010		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.010		Tetrachloroethene	<30		>0.050	
Acetone	<50		>0.010		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromochloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromodichloromethane	<30		>0.050		Trichloroethene	<30		>0.050	
Bromoform	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Bromomethane	<30		>0.050		Vinyl chloride	<30		>0.050	
Carbon disulfide	<50		>0.010		Xylenes (Total)	<30	87%	>0.050	

CALIBRATION VERIFICATION:

Compound	1,2-Dichloroethane				Ethyl Benzene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
10	164,255	660,928	0.249	0.249	860,055	470,400	1.828	1.828
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.243	**Calc**	**Reported**		2.050	**Calc**	**Reported**
			2.27	2.50			-10.81	10.80

SUMMARY OF THE ANALYTICAL DATA USABILITY
Shames Drive

Water Volatile Organic Analyses – Method OLC3.2
Samples Collected: June 4, 2008
Samples Received: June 5, 2008
Sample Delivery Group: G0859
Laboratory Reference Numbers:

130173-MW-4-GW	G0849-01
130173-FB-6408	G0849-02
130173-MW-3-GW	G0849-03

Water samples were validated for analyses of the volatile organic TCL analyte list by method OLC03.2 SOP HW-34, Revision 0. A complete analytical validation was performed based upon the following parameters:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
  - Calibrations
* - Laboratory Blanks
  - Holding Blank
* - Field Blank
  - Trip Blanks
* - Surrogate Recoveries
* - Internal Standard Recoveries
  - Matrix Spike / Matrix Spike Duplicate
* - Laboratory Control Sample Recoveries
* - Compound Identification
* - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The problems with the continuing calibration associated with sample 130173-MW-4-GW (G0849-01) should also be noted.

Holding Times

All samples were preserved and analyzed within the 14-day technical holding time.

System Monitoring Compound Recoveries

All system monitoring compound recoveries were within the EPA Region II quality assurance limits.

Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

Calibrations

All of the %RSDs were less than 30%, or 50% for poor performing compounds in the one initial calibration associated with the analyses of the samples.

All of the percent differences in the 6/05 continuing calibration associated with samples -02 and -03 were less than 30%, or 50% for poor performing compounds.

All of the percent differences in the 6/06 continuing calibration associated with sample -01 were less than 30%, or 50% for poor performing compounds with the exceptions of methyl acetate (34%), chlorobenzene (33%) and total xylenes (87%).

None of these compounds were detected in the sample. The data were flagged with the “J” qualifier and are estimated values.

All of the relative responses factors were above their required limits.

Matrix Spike / Matrix Spike Duplicate

A matrix spike and matrix spike duplicate were not analyzed for this sample delivery group.

Laboratory Control Samples

All laboratory control sample recoveries were within the required limits.

Method Blanks

No target compounds were detected in the method blanks.

Trip Blank

A trip blank was not analyzed with this sample delivery group.

Field Blank

No compounds were detected in the field blank.

Holding Blank

Methylene chloride was detected in the field blank at a concentration of 0.88 ug/l.

This compound was not detected in any of the samples and the presence in the field blank did not affect the data.

Internal Standard Areas and Retention Times

All internal standard recoveries were within the required limits.

Sample Results

No problems were detected with any of the sample data.

130173-MW-4-GW	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
MW-4	1,1,1-Trichloroethane	0.5	U										U
G0859-01A	1,1,2,2-Tetrachloroethane	0.5	U										U
6/4/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	U										U
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.5	U										U
	1,1-Dichloroethene	0.5	U										U
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U							33%		J	UJ
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	0.5	U										U
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U							34%		J	UJ
	Methyl tert-butyl ether	0.5	U										U
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.5	U										U
	Styrene	0.5	U										U
	Tetrachloroethene	0.5	U										U
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	0.5	U										U
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U							87%		J	UJ

130173-FB-6408	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
Field Blank	1,1,1-Trichloroethane	0.5	U										U
G0859-02A	1,1,2,2-Tetrachloroethane	0.5	U										U
6/4/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	U										U
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.5	U										U
	1,1-Dichloroethene	0.5	U										U
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U										U
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	0.5	U										U
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U										U
	Methyl tert-butyl ether	0.5	U										U
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.5	U										U
	Styrene	0.5	U										U
	Tetrachloroethene	0.5	U										U
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	0.5	U										U
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U										U

130173-MW-3-GW	Volatile Organic Compounds (C	result_value		DV Conc.	MB	Surr	MS	LCS	IC	CC	IS	DV Qual.	Comb. Qual.
MW-3	1,1,1-Trichloroethane	0.5	U										U
G0859-03A	1,1,2,2-Tetrachloroethane	0.5	U										U
6/4/2008	1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	U										U
µg/L	1,1,2-Trichloroethane	0.5	U										U
	1,1-Dichloroethane	0.5	U										U
	1,1-Dichloroethene	0.5	U										U
	1,2,3-Trichlorobenzene	0.5	U										U
	1,2,4-Trichlorobenzene	0.5	U										U
	1,2-Dibromo-3-chloropropane	0.5	U										U
	1,2-Dibromoethane	0.5	U										U
	1,2-Dichlorobenzene	0.5	U										U
	1,2-Dichloroethane	0.5	U										U
	1,2-Dichloropropane	0.5	U										U
	1,3-Dichlorobenzene	0.5	U										U
	1,4-Dichlorobenzene	0.5	U										U
	2-Butanone	5	U										U
	2-Hexanone	5	U										U
	4-Methyl-2-pentanone	5	U										U
	Acetone	5	U										U
	Benzene	0.5	U										U
	Bromochloromethane	0.5	U										U
	Bromodichloromethane	0.5	U										U
	Bromoform	0.5	U										U
	Bromomethane	0.5	U										U
	Carbon disulfide	0.5	U										U
	Carbon tetrachloride	0.5	U										U
	Chlorobenzene	0.5	U										U
	Chloroethane	0.5	U										U
	Chloroform	0.5	U										U
	Chloromethane	0.5	U										U
	cis-1,2-Dichloroethene	0.5	U										U
	cis-1,3-Dichloropropene	0.5	U										U
	Cyclohexane	0.5	U										U
	Dibromochloromethane	0.5	U										U
	Dichlorodifluoromethane	0.5	U										U
	Ethylbenzene	0.5	U										U
	Isopropylbenzene	0.5	U										U
	Methyl acetate	0.5	U										U
	Methyl tert-butyl ether	0.5	U										U
	Methylcyclohexane	0.5	U										U
	Methylene chloride	0.5	U										U
	Styrene	0.5	U										U
	Tetrachloroethene	0.5	U										U
	Toluene	0.5	U										U
	trans-1,2-Dichloroethene	0.5	U										U
	trans-1,3-Dichloropropene	0.5	U										U
	Trichloroethene	0.5	U										U
	Trichlorofluoromethane	0.5	U										U
	Vinyl chloride	0.5	U										U
	Xylenes (Total)	0.5	U										U

APPENDIX F

FIELD DOCUMENTATION

Shames Drive, Westbury NY

[redacted]

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 6/3/08

WELL #: MW-1

SAMPLERS: Frank Robinson

DEPTH OF PUMP INTAKE: 65 (ft TIC) or ft BGS (circle one)

WEATHER CONDITIONS: Clear 70°

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: 130173-MW-1-GW SAMPLE TIME: 1015

SAMPLE FLOW RATE: 250 ml/minute

CLP ID: (+ MS/MSD)

Instrument Type/Model: Complete and/or Circle at right

YSI Model # _____ / (Horiba U-22) (circle one)

Other (specify) _____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	(gallons) / liters (circle one)	(ft TIC) / ft BGS (circle one)	Units: ml/min	(ft TIC) / ft BGS (circle one)	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0935		61.35	450	—	5.84	0.189	9.86	22.86	221	92.0
0950		61.36	450	0.01	5.92	0.188	9.88	22.69	206	—
0955		61.36	450	0.01	5.98	0.185	9.86	23.05	202	—
1000		61.36	450	0.01	5.99	0.183	9.81	23.20	201	—
1005	5 Gallons	61.36	450	0.01	6.00	0.182	9.77	23.38	199	—

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

note: turbidity meter not working but water was clear (<50 ntu)

Shames Drive, Westbury NY

[redacted]

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 6/3/08 WELL #: MW-2

SAMPLERS: Frank Robinson DEPTH OF PUMP INTAKE: 69 (ft TIC) or ft BGS (circle one)

WEATHER CONDITIONS: Sunny ~75° SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: 130173-MW-2-GW SAMPLE TIME: 1400 SAMPLE FLOW RATE: 250 (ml/minute)

CLP ID:

Instrument Type/Model: Complete and/or Circle at right — YSI Model # _____ (Horiba U-22) (circle one) Other (specify) _____ — Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER (± 0.3 FT)	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	(gallons) / liters (circle one)	(ft TIC) / ft BGS (circle one)	Units:	(ft TIC) / ft BGS (circle one)	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1330		63.78	500	——	4.71	0.256	10.03	19.30	268	96.5
1335		63.76	500	0.02	4.69	0.255	9.61	21.79	263	62.5
1340		63.76	500	0.02	4.74	0.250	9.73	22.51	267	21.0
1345		63.76	500	0.02	4.74	0.247	9.83	22.47	274	21.3
1350		63.76	500	0.02	4.74	0.246	9.87	22.47	280	23.5
1355	5 Gallons	63.78	500	0.00	4.74	0.245	9.94	22.42	285	27.6

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

Shames Drive, Westbury NY

[redacted]

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 6/4/08

WELL #: MW-3

SAMPLERS: Frank Robinson

DEPTH OF PUMP INTAKE: 27 (ft TIC) or ft BGS (circle one)

WEATHER CONDITIONS: Rain 60°

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: 130173-MW-3-GW SAMPLE TIME: 0900

SAMPLE FLOW RATE: 250 (ml/minute)

CLP ID:

Instrument Type/Model: Complete and/or Circle at right

YSI Model #_____/(Horiba U-22) (circle one)

Other (specify)_____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	(gallons) liters (circle one)	(ft TIC) / ft BGS (circle one)	Units:	(ft TIC) / ft BGS (circle one)	SU	S/cm, mS/cm°/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0830		21.23	450	——	5.24	0.153	9.60	15.12	248	68.5
0835		21.21	450	0.02	5.30	0.152	9.55	15.46	234	38.9
0840		21.21	450	0.02	5.30	0.152	9.55	15.63	231	39.1
0845		21.21	450	0.02	5.31	0.151	9.63	15.61	235	44.8
0850		21.21	450	0.02	5.29	0.151	9.66	15.41	247	43.2
0855	5 Gallon	21.21	450	0.02	5.29	0.151	9.68	15.38	253	45.2

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

Shames Drive, Westbury NY

[redacted]

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 6/4/08 WELL #: MW-4

SAMPLERS: Frank Robinson DEPTH OF PUMP INTAKE: 34 (ft TIC) or ft BGS (circle one)

WEATHER CONDITIONS: Rain 60° SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: 130173-MW-4-GW SAMPLE TIME: 0745 SAMPLE FLOW RATE: 250 ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right — YSI Model #_____ / (Horiba U-22) (circle one) Other (specify)_____ — Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	(gallons) / liters (circle one)	(ft TIC) / ft BGS (circle one)	Units:	(ft TIC) / ft BGS (circle one)	SU	S/cm, mS/cm°/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0715		28.14	500	——	5.27	0.151	10.26	17.08	227	30.4
0720		28.18	500	0.04	5.33	0.152	10.32	17.18	203	22.1
0725		28.18	500	0.04	5.42	0.152	10.36	17.43	194	15.8
0730		28.18	500	0.04	5.48	0.150	10.32	17.46	197	14.0
0735		28.18	500	0.04	5.51	0.148	10.33	17.33	198	16.8
0740	6 Gallons	28.18	500	0.04	5.53	0.148	10.25	17.28	203	14.0

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

Shames Drive, Westbury NY

[redacted]

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 6/3/08

WELL #: MW-5

SAMPLERS: Frank Robinson

DEPTH OF PUMP INTAKE: 35 (ft TIC) or ft BGS (circle one)

WEATHER CONDITIONS: Sunny ~80°

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: 130173-MW-5-GW SAMPLE TIME: 1505

SAMPLE FLOW RATE: 250 ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right

YSI Model # _____ / Horiba U-22 (circle one)

Other (specify) _____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1430		29.47	450	——	5.21	0.285	12.11	18.51	257	91.2
1435		29.48	450	0.01	5.22	0.280	10.83	19.28	225	80.0
1440		29.47	450	0.00	5.29	0.273	10.37	20.40	218	53.6
1445		29.47	450	0.00	5.32	0.269	10.51	20.53	220	44.1
1450		29.47	450	0.00	5.34	0.263	10.58	20.69	223	37.1
1455		29.47	450	0.00	5.36	0.259	10.48	20.88	229	31.3
1500	5 Gallons	29.47	450	0.00	5.34	0.256	10.51	20.93	233	28.3

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

Shames Drive, Westbury NY

[redacted]

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 6/3/08

WELL #: MW-6

SAMPLERS: Frank Robinson

DEPTH OF PUMP INTAKE: 63' (ft TIC) or ft BGS (circle one)

WEATHER CONDITIONS: Cloudy 75°

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: 130173-MW-6-6W SAMPLE TIME: 1225

[redacted]: 130173-MW-66-6W (Duplicate) 1230

SAMPLE FLOW RATE: 250 (ml/minute)

Instrument Type/Model: Complete and/or Circle at right

YSI Model # _____ (Horiba U-22) (circle one) Instrument:

Other (specify) _____

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1130		58.15	450	——	5.17	0.203	10.51	18.59	203	85.1
1135		58.18	450	0.03	5.17	0.199	10.21	18.37	199	80.2
1140		58.18	450	0.03	5.30	0.197	9.90	20.87	186	72.3
1145		58.19	450	0.04	5.28	0.204	10.05	22.12	193	9.9
1200		58.19	450	0.04	5.27	0.202	9.80	22.93	186	9.5
1205		58.19	450	0.04	5.30	0.204	9.87	22.85	192	42.7
1210		58.18	450	0.03	5.35	0.202	9.88	23.41	194	38.0
1215		58.19	450	0.04	5.30	0.204	9.95	23.39	196	20.7
1220	5 Gallons	58.19	450	0.04	5.28	0.203	9.93	23.29	198	20.0

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

Report Date:
08-May-08 11:39

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886-1755
Attn: Shirley Ng

Project: See Chain of Custody
Project G0576

Laboratory ID	Client Sample ID	Container	Matrix	Date Sampled	Date Received
SA77688-01	130173-SV1-8	Summa canister	Air	23-Apr-08 09:45	24-Apr-08 20:30
SA77688-02	130173-SV1-55	Summa canister	Air	23-Apr-08 10:09	24-Apr-08 20:30
SA77688-03	130173-SV2-8	Summa canister	Air	23-Apr-08 10:05	24-Apr-08 20:30
SA77688-04	130173-SV2-55	Summa canister	Air	23-Apr-08 10:07	24-Apr-08 20:30
SA77688-05	130173-SV3-8	Summa canister	Air	23-Apr-08 10:17	24-Apr-08 20:30
SA77688-06	130173-AA	Summa canister	Air	23-Apr-08 10:22	24-Apr-08 20:30
SA77688-07	130173-SV3-55	Summa canister	Air	23-Apr-08 10:25	24-Apr-08 20:30
SA77688-08	130173-SV33-55	Summa canister	Air	23-Apr-08 10:25	24-Apr-08 20:30
SA77688-09	130173-SV4-8	Summa canister	Air	23-Apr-08 10:35	24-Apr-08 20:30
SA77688-10	130173-SV4-55	Summa canister	Air	23-Apr-08 12:05	24-Apr-08 20:30
SA77688-11	130173-SV5-8	Summa canister	Air	23-Apr-08 10:45	24-Apr-08 20:30
SA77688-12	130173-SV5-55	Summa canister	Air	23-Apr-08 10:55	24-Apr-08 20:30
SA77688-13	130173-TB	Summa canister	Air	23-Apr-08 08:00	24-Apr-08 20:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 34 pages of analytical data plus Chain of Custody document(s).
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Connecticut # PH-0777
Florida # E87600/E87936
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New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:



Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:



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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV1-8	G0576	Air	23-Apr-08 09:45	24-Apr-08
SA77688-01				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	BRL	2.0000	BRL	3.440	U	EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0000	BRL	9.900	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.0000	BRL	4.130	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.0000	BRL	14.000	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.0000	BRL	5.110	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.0000	BRL	4.420	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.0000	BRL	7.760	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.0000	BRL	5.280	U	"	"	"	"
67-64-1	Acetone	322.32	2.0000	766.000	4.750		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.0000	BRL	11.200	U	"	"	"	"
64-17-5	Ethanol	40.920	2.0000	77.200	3.770	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
75-09-2	Methylene chloride	2.0800	2.0000	7.220	6.940		"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.0000	BRL	15.300	U	"	"	"	"
75-15-0	Carbon disulfide	1.4800	2.0000	4.610	6.220	J	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.0000	BRL	8.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.0000	BRL	7.210	U	"	"	"	"
67-63-0	Isopropyl alcohol	9.2000	2.0000	22.600	4.910		"	"	"	"
78-93-3	2-Butanone (MEK)	113.08	2.0000	333.000	5.900		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
110-54-3	Hexane	8.8800	2.0000	31.300	7.050		"	"	"	"
141-78-6	Ethyl acetate	BRL	2.0000	BRL	7.210	U	"	"	"	"
67-66-3	Chloroform	BRL	2.0000	BRL	9.700	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	2.0000	BRL	5.900	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.0000	BRL	8.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.0000	BRL	10.900	U	"	"	"	"
71-43-2	Benzene	3.2400	2.0000	10.300	6.380		"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.0000	BRL	12.600	U	"	"	"	"
110-82-7	Cyclohexane	8.5600	2.0000	29.500	6.880		"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.0000	BRL	9.240	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.0000	BRL	13.400	U	"	"	"	"
79-01-6	Trichloroethene	3.2000	2.0000	17.200	10.700		"	"	"	"
142-82-5	n-Heptane	39.920	2.0000	164.000	8.200		"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.0000	BRL	8.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.0000	BRL	9.080	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.0000	BRL	9.080	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.0000	BRL	10.900	U	"	"	"	"
108-88-3	Toluene	104.96	2.0000	395.000	7.530		"	"	"	"
591-78-6	2-Hexanone (MBK)	13.840	2.0000	56.700	8.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.0000	BRL	17.000	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.0000	BRL	15.400	U	"	"	"	"
127-18-4	Tetrachloroethene	106.24	2.0000	720.000	13.600		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.0000	BRL	9.210	U	"	"	"	"
100-41-4	Ethylbenzene	4.4400	2.0000	19.200	8.670		"	"	"	"
1330-20-7	m,p-Xylene	12.400	4.0000	53.800	17.300		"	"	"	"
75-25-2	Bromoform	BRL	2.0000	BRL	20.700	U	"	"	"	"
100-42-5	Styrene	1.4400	2.0000	6.130	8.510	J	"	"	"	"
95-47-6	o-Xylene	3.9200	2.0000	17.000	8.670		"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.0000	BRL	13.700	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	1.3200	2.0000	6.490	9.800	J	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV1-8 SA77688-01	G0576	Air	23-Apr-08 09:45	24-Apr-08

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.0000	BRL	9.800	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	3.8800	2.0000	19.100	9.800		"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.0000	BRL	10.300	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.0000	BRL	14.800	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.0000	BRL	21.300	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV1-55	G0576	Air	23-Apr-08 10:09	24-Apr-08
SA77688-02				

CAS No.	Analyte(s)	Result Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Batch	Analyst
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	BRL	2.5000	BRL	4.300	U	EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.5000	BRL	12.400	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.5000	BRL	5.160	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000	BRL	17.500	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.5000	BRL	6.390	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.5000	BRL	5.520	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.5000	BRL	9.700	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.5000	BRL	6.600	U	"	"	"	"
67-64-1	Acetone	288.30	2.5000	685.000	5.940		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.5000	BRL	14.000	U	"	"	"	"
64-17-5	Ethanol	52.500	2.5000	99.000	4.710	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-09-2	Methylene chloride	3.0500	2.5000	10.600	8.680		"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000	BRL	19.200	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.5000	BRL	7.780	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.5000	BRL	9.020	U	"	"	"	"
67-63-0	Isopropyl alcohol	5.7000	2.5000	14.000	6.130		"	"	"	"
78-93-3	2-Butanone (MEK)	243.90	2.5000	719.000	7.370		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
110-54-3	Hexane	8.9500	2.5000	31.600	8.810		"	"	"	"
141-78-6	Ethyl acetate	BRL	2.5000	BRL	9.010	U	"	"	"	"
67-66-3	Chloroform	BRL	2.5000	BRL	12.200	U	"	"	"	"
109-99-9	Tetrahydrofuran	1.7000	2.5000	5.010	7.370	J	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	3.4500	2.5000	18.800	13.600		"	"	"	"
71-43-2	Benzene	3.5000	2.5000	11.200	7.980		"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.5000	BRL	15.700	U	"	"	"	"
110-82-7	Cyclohexane	5.8000	2.5000	20.000	8.610		"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.5000	BRL	11.600	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.5000	BRL	16.700	U	"	"	"	"
79-01-6	Trichloroethene	17.550	2.5000	94.300	13.400		"	"	"	"
142-82-5	n-Heptane	25.550	2.5000	105.000	10.200		"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.5000	BRL	10.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
108-88-3	Toluene	68.950	2.5000	259.000	9.410		"	"	"	"
591-78-6	2-Hexanone (MBK)	24.000	2.5000	98.400	10.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.5000	BRL	21.300	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.5000	BRL	19.200	U	"	"	"	"
127-18-4	Tetrachloroethene	398.10	2.5000	2700.000	17.000		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.5000	BRL	11.500	U	"	"	"	"
100-41-4	Ethylbenzene	4.0000	2.5000	17.300	10.800		"	"	"	"
1330-20-7	m,p-Xylene	12.750	5.0000	55.300	21.700		"	"	"	"
75-25-2	Bromoform	BRL	2.5000	BRL	25.800	U	"	"	"	"
100-42-5	Styrene	BRL	2.5000	BRL	10.600	U	"	"	"	"
95-47-6	o-Xylene	3.7000	2.5000	16.000	10.800		"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.5000	BRL	17.200	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	2.5000	BRL	12.300	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV1-55	G0576	Air	23-Apr-08 10:09	24-Apr-08
SA77688-02				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.5000	BRL	12.300	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	2.6500	2.5000	13.000	12.300		"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.5000	BRL	12.900	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.5000	BRL	18.600	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.5000	BRL	26.700	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV2-8	G0576	Air	23-Apr-08 10:05	24-Apr-08
SA77688-03				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	58.560	2.0000	101.000	3.440		EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0000	BRL	9.900	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.0000	BRL	4.130	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.0000	BRL	14.000	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.0000	BRL	5.110	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.0000	BRL	4.420	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.0000	BRL	7.760	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.0000	BRL	5.280	U	"	"	"	"
67-64-1	Acetone	164.64	2.0000	391.000	4.750		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.0000	BRL	11.200	U	"	"	"	"
64-17-5	Ethanol	49.400	2.0000	93.100	3.770	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.0000	BRL	6.940	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.0000	BRL	15.300	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.0000	BRL	6.220	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.0000	BRL	8.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.0000	BRL	7.210	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	2.0000	BRL	4.910	U	"	"	"	"
78-93-3	2-Butanone (MEK)	272.36	2.0000	803.000	5.900		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
110-54-3	Hexane	2.5600	2.0000	9.030	7.050		"	"	"	"
141-78-6	Ethyl acetate	BRL	2.0000	BRL	7.210	U	"	"	"	"
67-66-3	Chloroform	BRL	2.0000	BRL	9.700	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	2.0000	BRL	5.900	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.0000	BRL	8.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.0000	BRL	10.900	U	"	"	"	"
71-43-2	Benzene	BRL	2.0000	BRL	6.380	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.0000	BRL	12.600	U	"	"	"	"
110-82-7	Cyclohexane	BRL	2.0000	BRL	6.880	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.0000	BRL	9.240	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.0000	BRL	13.400	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.0000	BRL	10.700	U	"	"	"	"
142-82-5	n-Heptane	1.8400	2.0000	7.540	8.200	J	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.0000	BRL	8.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.0000	BRL	9.080	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.0000	BRL	9.080	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.0000	BRL	10.900	U	"	"	"	"
108-88-3	Toluene	8.8000	2.0000	33.100	7.530		"	"	"	"
591-78-6	2-Hexanone (MBK)	37.720	2.0000	155.000	8.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.0000	BRL	17.000	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.0000	BRL	15.400	U	"	"	"	"
127-18-4	Tetrachloroethene	8.7600	2.0000	59.400	13.600		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.0000	BRL	9.210	U	"	"	"	"
100-41-4	Ethylbenzene	2.6800	2.0000	11.600	8.670		"	"	"	"
1330-20-7	m,p-Xylene	12.280	4.0000	53.200	17.300		"	"	"	"
75-25-2	Bromoform	BRL	2.0000	BRL	20.700	U	"	"	"	"
100-42-5	Styrene	BRL	2.0000	BRL	8.510	U	"	"	"	"
95-47-6	o-Xylene	3.2800	2.0000	14.200	8.670		"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.0000	BRL	13.700	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	1.5600	2.0000	7.670	9.800	J	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV2-8	G0576	Air	23-Apr-08 10:05	24-Apr-08
SA77688-03				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.0000	BRL	9.800	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	4.2400	2.0000	20.800	9.800		"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.0000	BRL	10.300	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.0000	BRL	14.800	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.0000	BRL	21.300	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV2-55	G0576	Air	23-Apr-08 10:07	24-Apr-08
SA77688-04				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	76.440	2.0000	132.000	3.440		EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0000	BRL	9.900	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.0000	BRL	4.130	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.0000	BRL	14.000	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.0000	BRL	5.110	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.0000	BRL	4.420	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.0000	BRL	7.760	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.0000	BRL	5.280	U	"	"	"	"
67-64-1	Acetone	217.20	2.0000	516.000	4.750		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.0000	BRL	11.200	U	"	"	"	"
64-17-5	Ethanol	59.240	2.0000	112.000	3.770	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.0000	BRL	6.940	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.0000	BRL	15.300	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.0000	BRL	6.220	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.0000	BRL	8.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.0000	BRL	7.210	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	2.0000	BRL	4.910	U	"	"	"	"
78-93-3	2-Butanone (MEK)	312.80	2.0000	922.000	5.900		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
110-54-3	Hexane	BRL	2.0000	BRL	7.050	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	2.0000	BRL	7.210	U	"	"	"	"
67-66-3	Chloroform	BRL	2.0000	BRL	9.700	U	"	"	"	"
109-99-9	Tetrahydrofuran	2.2800	2.0000	6.720	5.900		"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.0000	BRL	8.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.0000	BRL	10.900	U	"	"	"	"
71-43-2	Benzene	2.0800	2.0000	6.640	6.380		"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.0000	BRL	12.600	U	"	"	"	"
110-82-7	Cyclohexane	BRL	2.0000	BRL	6.880	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.0000	BRL	9.240	U	"	"	"	"
75-27-4	Bromodichloromethane	1.5600	2.0000	10.500	13.400	J	"	"	"	"
79-01-6	Trichloroethene	BRL	2.0000	BRL	10.700	U	"	"	"	"
142-82-5	n-Heptane	3.0800	2.0000	12.600	8.200		"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.0000	BRL	8.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.0000	BRL	9.080	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.0000	BRL	9.080	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.0000	BRL	10.900	U	"	"	"	"
108-88-3	Toluene	12.400	2.0000	46.700	7.530		"	"	"	"
591-78-6	2-Hexanone (MBK)	35.440	2.0000	145.000	8.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.0000	BRL	17.000	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.0000	BRL	15.400	U	"	"	"	"
127-18-4	Tetrachloroethene	21.320	2.0000	145.000	13.600		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.0000	BRL	9.210	U	"	"	"	"
100-41-4	Ethylbenzene	2.3600	2.0000	10.200	8.670		"	"	"	"
1330-20-7	m,p-Xylene	9.1200	4.0000	39.500	17.300		"	"	"	"
75-25-2	Bromoform	BRL	2.0000	BRL	20.700	U	"	"	"	"
100-42-5	Styrene	BRL	2.0000	BRL	8.510	U	"	"	"	"
95-47-6	o-Xylene	2.2800	2.0000	9.900	8.670		"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.0000	BRL	13.700	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	2.0000	BRL	9.800	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV2-55	G0576	Air	23-Apr-08 10:07	24-Apr-08
SA77688-04				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.0000	BRL	9.800	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	BRL	2.0000	BRL	9.800	U	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.0000	BRL	10.300	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.0000	BRL	14.800	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.0000	BRL	21.300	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV3-8	G0576	Air	23-Apr-08 10:17	24-Apr-08
SA77688-05				

CAS No.	Analyte(s)	Result Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Batch	Analyst
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	80.250	2.5000	138.000	4.300		EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.5000	BRL	12.400	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.5000	BRL	5.160	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000	BRL	17.500	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.5000	BRL	6.390	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.5000	BRL	5.520	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.5000	BRL	9.700	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.5000	BRL	6.600	U	"	"	"	"
67-64-1	Acetone	192.10	2.5000	456.000	5.940		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.5000	BRL	14.000	U	"	"	"	"
64-17-5	Ethanol	57.900	2.5000	109.000	4.710	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.5000	BRL	8.680	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000	BRL	19.200	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.5000	BRL	7.780	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.5000	BRL	9.020	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	2.5000	BRL	6.130	U	"	"	"	"
78-93-3	2-Butanone (MEK)	285.60	2.5000	842.000	7.370		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
110-54-3	Hexane	2.8000	2.5000	9.900	8.810		"	"	"	"
141-78-6	Ethyl acetate	BRL	2.5000	BRL	9.010	U	"	"	"	"
67-66-3	Chloroform	BRL	2.5000	BRL	12.200	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	2.5000	BRL	7.370	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	4.7000	2.5000	25.600	13.600		"	"	"	"
71-43-2	Benzene	BRL	2.5000	BRL	7.980	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.5000	BRL	15.700	U	"	"	"	"
110-82-7	Cyclohexane	BRL	2.5000	BRL	8.610	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.5000	BRL	11.600	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.5000	BRL	16.700	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.5000	BRL	13.400	U	"	"	"	"
142-82-5	n-Heptane	1.7000	2.5000	6.970	10.200	J	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.5000	BRL	10.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
108-88-3	Toluene	9.8000	2.5000	36.900	9.410		"	"	"	"
591-78-6	2-Hexanone (MBK)	38.350	2.5000	157.000	10.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.5000	BRL	21.300	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.5000	BRL	19.200	U	"	"	"	"
127-18-4	Tetrachloroethene	34.500	2.5000	234.000	17.000		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.5000	BRL	11.500	U	"	"	"	"
100-41-4	Ethylbenzene	2.8000	2.5000	12.100	10.800		"	"	"	"
1330-20-7	m,p-Xylene	12.550	5.0000	54.400	21.700		"	"	"	"
75-25-2	Bromoform	BRL	2.5000	BRL	25.800	U	"	"	"	"
100-42-5	Styrene	BRL	2.5000	BRL	10.600	U	"	"	"	"
95-47-6	o-Xylene	3.4500	2.5000	15.000	10.800		"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.5000	BRL	17.200	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	1.6000	2.5000	7.870	12.300	J	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV3-8	G0576	Air	23-Apr-08 10:17	24-Apr-08
SA77688-05				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.5000	BRL	12.300	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	4.4500	2.5000	21.900	12.300		"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.5000	BRL	12.900	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.5000	BRL	18.600	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.5000	BRL	26.700	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-AA	G0576	Air	23-Apr-08 10:22	24-Apr-08
SA77688-06				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15 SIM		ppbv	Prepared 02-May-08							
115-07-1	Propene	BRL	0.100	BRL	0.170	U	EPA TO-15	02-May-08	8050314	krl
75-71-8	Dichlorodifluoromethane (Freon12)	0.690	0.100	3.410	0.490		"	"	"	"
74-87-3	Chloromethane	0.590	0.100	1.220	0.210		"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.100	BRL	0.700	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	0.100	BRL	0.260	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	0.100	BRL	0.220	U	"	"	"	"
74-83-9	Bromomethane	BRL	0.100	BRL	0.390	U	"	"	"	"
75-00-3	Chloroethane	BRL	0.100	BRL	0.260	U	"	"	"	"
67-64-1	Acetone	5.25	0.500	12.500	1.190		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	0.220	0.100	1.240	0.560		"	"	"	"
64-17-5	Ethanol	5.41	0.500	10.200	0.940		"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	0.100	BRL	0.400	U	"	"	"	"
75-09-2	Methylene chloride	0.240	0.100	0.830	0.350		"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.0700	0.100	0.540	0.770	J	"	"	"	"
75-15-0	Carbon disulfide	BRL	0.500	BRL	1.560	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	0.100	BRL	0.400	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	0.100	BRL	0.400	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	0.100	BRL	0.360	U	"	"	"	"
67-63-0	Isopropyl alcohol	0.650	0.500	1.600	1.230		"	"	"	"
78-93-3	2-Butanone (MEK)	0.610	0.100	1.800	0.290		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	0.100	BRL	0.400	U	"	"	"	"
110-54-3	Hexane	0.230	0.100	0.810	0.350		"	"	"	"
141-78-6	Ethyl acetate	BRL	0.100	BRL	0.360	U	"	"	"	"
67-66-3	Chloroform	BRL	0.100	BRL	0.490	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	0.100	BRL	0.290	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	0.100	BRL	0.400	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	0.100	BRL	0.550	U	"	"	"	"
71-43-2	Benzene	0.280	0.100	0.890	0.320		"	"	"	"
56-23-5	Carbon tetrachloride	0.0800	0.100	0.500	0.630	J	"	"	"	"
110-82-7	Cyclohexane	0.0600	0.100	0.210	0.340	J	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	0.100	BRL	0.460	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	0.100	BRL	0.670	U	"	"	"	"
79-01-6	Trichloroethene	BRL	0.100	BRL	0.540	U	"	"	"	"
142-82-5	n-Heptane	0.150	0.100	0.610	0.410		"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.100	BRL	0.410	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	0.100	BRL	0.450	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	0.100	BRL	0.450	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	0.100	BRL	0.550	U	"	"	"	"
108-88-3	Toluene	1.52	0.100	5.720	0.380		"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	0.100	BRL	0.410	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	0.100	BRL	0.850	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.100	BRL	0.770	U	"	"	"	"
127-18-4	Tetrachloroethene	0.150	0.100	1.020	0.680		"	"	"	"
108-90-7	Chlorobenzene	BRL	0.100	BRL	0.460	U	"	"	"	"
100-41-4	Ethylbenzene	0.140	0.100	0.610	0.430		"	"	"	"
1330-20-7	m,p-Xylene	0.370	0.100	1.600	0.430		"	"	"	"
75-25-2	Bromoform	BRL	0.100	BRL	1.030	U	"	"	"	"
100-42-5	Styrene	BRL	0.100	BRL	0.430	U	"	"	"	"
95-47-6	o-Xylene	0.130	0.100	0.560	0.430		"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.100	BRL	0.690	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	0.100	BRL	0.490	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-AA SA77688-06	G0576	Air	23-Apr-08 10:22	24-Apr-08

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15 SIM		ppbv	Prepared 02-May-08							
622-96-8	4-Ethyltoluene	BRL	0.100	BRL	0.490	U	EPA TO-15	02-May-08	8050314	krl
95-63-6	1,2,4-Trimethylbenzene	0.130	0.100	0.640	0.490		"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	0.100	BRL	0.600	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	0.100	BRL	0.520	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	0.100	BRL	0.600	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	0.100	BRL	0.600	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	0.100	BRL	0.740	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	0.100	BRL	1.070	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*97*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV3-55	G0576	Air	23-Apr-08 10:25	24-Apr-08
SA77688-07				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	63.300	2.5000	109.000	4.300		EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.5000	BRL	12.400	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.5000	BRL	5.160	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000	BRL	17.500	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.5000	BRL	6.390	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.5000	BRL	5.520	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.5000	BRL	9.700	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.5000	BRL	6.600	U	"	"	"	"
67-64-1	Acetone	63.000	2.5000	150.000	5.940		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.5000	BRL	14.000	U	"	"	"	"
64-17-5	Ethanol	37.350	2.5000	70.400	4.710	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.5000	BRL	8.680	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000	BRL	19.200	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.5000	BRL	7.780	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.5000	BRL	9.020	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	2.5000	BRL	6.130	U	"	"	"	"
78-93-3	2-Butanone (MEK)	204.65	2.5000	603.000	7.370		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
110-54-3	Hexane	BRL	2.5000	BRL	8.810	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	2.5000	BRL	9.010	U	"	"	"	"
67-66-3	Chloroform	BRL	2.5000	BRL	12.200	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	2.5000	BRL	7.370	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	3.2000	2.5000	17.500	13.600		"	"	"	"
71-43-2	Benzene	1.6000	2.5000	5.100	7.980	J	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.5000	BRL	15.700	U	"	"	"	"
110-82-7	Cyclohexane	BRL	2.5000	BRL	8.610	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.5000	BRL	11.600	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.5000	BRL	16.700	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.5000	BRL	13.400	U	"	"	"	"
142-82-5	n-Heptane	2.1000	2.5000	8.610	10.200	J	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.5000	BRL	10.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
108-88-3	Toluene	9.8000	2.5000	36.900	9.410		"	"	"	"
591-78-6	2-Hexanone (MBK)	24.900	2.5000	102.000	10.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.5000	BRL	21.300	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.5000	BRL	19.200	U	"	"	"	"
127-18-4	Tetrachloroethene	28.800	2.5000	195.000	17.000		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.5000	BRL	11.500	U	"	"	"	"
100-41-4	Ethylbenzene	2.3000	2.5000	10.000	10.800	J	"	"	"	"
1330-20-7	m,p-Xylene	9.4000	5.0000	40.800	21.700		"	"	"	"
75-25-2	Bromoform	BRL	2.5000	BRL	25.800	U	"	"	"	"
100-42-5	Styrene	BRL	2.5000	BRL	10.600	U	"	"	"	"
95-47-6	o-Xylene	2.4000	2.5000	10.400	10.800	J	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.5000	BRL	17.200	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	2.5000	BRL	12.300	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV3-55	G0576	Air	23-Apr-08 10:25	24-Apr-08
SA77688-07				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.5000	BRL	12.300	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	2.4000	2.5000	11.800	12.300	J	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.5000	BRL	12.900	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.5000	BRL	18.600	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.5000	BRL	26.700	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV33-55	G0576	Air	23-Apr-08 10:25	24-Apr-08
SA77688-08				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	82.650	2.5000	142.000	4.300		EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.5000	BRL	12.400	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.5000	BRL	5.160	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000	BRL	17.500	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.5000	BRL	6.390	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.5000	BRL	5.520	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.5000	BRL	9.700	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.5000	BRL	6.600	U	"	"	"	"
67-64-1	Acetone	165.40	2.5000	393.000	5.940		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.5000	BRL	14.000	U	"	"	"	"
64-17-5	Ethanol	50.350	2.5000	94.900	4.710	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.5000	BRL	8.680	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000	BRL	19.200	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.5000	BRL	7.780	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.5000	BRL	9.020	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	2.5000	BRL	6.130	U	"	"	"	"
78-93-3	2-Butanone (MEK)	262.00	2.5000	773.000	7.370		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
110-54-3	Hexane	3.5500	2.5000	12.500	8.810		"	"	"	"
141-78-6	Ethyl acetate	BRL	2.5000	BRL	9.010	U	"	"	"	"
67-66-3	Chloroform	BRL	2.5000	BRL	12.200	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	2.5000	BRL	7.370	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	3.2000	2.5000	17.500	13.600		"	"	"	"
71-43-2	Benzene	1.7000	2.5000	5.420	7.980	J	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.5000	BRL	15.700	U	"	"	"	"
110-82-7	Cyclohexane	BRL	2.5000	BRL	8.610	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.5000	BRL	11.600	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.5000	BRL	16.700	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.5000	BRL	13.400	U	"	"	"	"
142-82-5	n-Heptane	2.2000	2.5000	9.020	10.200	J	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.5000	BRL	10.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
108-88-3	Toluene	10.250	2.5000	38.600	9.410		"	"	"	"
591-78-6	2-Hexanone (MBK)	31.500	2.5000	129.000	10.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.5000	BRL	21.300	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.5000	BRL	19.200	U	"	"	"	"
127-18-4	Tetrachloroethene	28.400	2.5000	193.000	17.000		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.5000	BRL	11.500	U	"	"	"	"
100-41-4	Ethylbenzene	2.4000	2.5000	10.400	10.800	J	"	"	"	"
1330-20-7	m,p-Xylene	9.5500	5.0000	41.400	21.700		"	"	"	"
75-25-2	Bromoform	BRL	2.5000	BRL	25.800	U	"	"	"	"
100-42-5	Styrene	BRL	2.5000	BRL	10.600	U	"	"	"	"
95-47-6	o-Xylene	2.4500	2.5000	10.600	10.800	J	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.5000	BRL	17.200	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	2.5000	BRL	12.300	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV33-55 SA77688-08	G0576	Air	23-Apr-08 10:25	24-Apr-08

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.5000	BRL	12.300	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	2.4500	2.5000	12.000	12.300	J	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.5000	BRL	12.900	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.5000	BRL	18.600	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.5000	BRL	26.700	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV4-8	G0576	Air	23-Apr-08 10:35	24-Apr-08
SA77688-09				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	51.680	2.0000	88.900	3.440		EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0000	BRL	9.900	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.0000	BRL	4.130	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.0000	BRL	14.000	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.0000	BRL	5.110	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.0000	BRL	4.420	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.0000	BRL	7.760	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.0000	BRL	5.280	U	"	"	"	"
67-64-1	Acetone	100.16	2.0000	238.000	4.750		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.0000	BRL	11.200	U	"	"	"	"
64-17-5	Ethanol	33.160	2.0000	62.500	3.770	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.0000	BRL	6.940	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.0000	BRL	15.300	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.0000	BRL	6.220	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.0000	BRL	8.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.0000	BRL	7.210	U	"	"	"	"
67-63-0	Isopropyl alcohol	4.7200	2.0000	11.600	4.910		"	"	"	"
78-93-3	2-Butanone (MEK)	160.12	2.0000	472.000	5.900		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.0000	BRL	7.930	U	"	"	"	"
110-54-3	Hexane	BRL	2.0000	BRL	7.050	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	2.0000	BRL	7.210	U	"	"	"	"
67-66-3	Chloroform	BRL	2.0000	BRL	9.700	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	2.0000	BRL	5.900	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.0000	BRL	8.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.0000	BRL	10.900	U	"	"	"	"
71-43-2	Benzene	1.4400	2.0000	4.590	6.380	J	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.0000	BRL	12.600	U	"	"	"	"
110-82-7	Cyclohexane	BRL	2.0000	BRL	6.880	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.0000	BRL	9.240	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.0000	BRL	13.400	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.0000	BRL	10.700	U	"	"	"	"
142-82-5	n-Heptane	2.1200	2.0000	8.690	8.200		"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.0000	BRL	8.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.0000	BRL	9.080	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.0000	BRL	9.080	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.0000	BRL	10.900	U	"	"	"	"
108-88-3	Toluene	7.8000	2.0000	29.300	7.530		"	"	"	"
591-78-6	2-Hexanone (MBK)	23.920	2.0000	98.000	8.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.0000	BRL	17.000	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.0000	BRL	15.400	U	"	"	"	"
127-18-4	Tetrachloroethene	2.6400	2.0000	17.900	13.600		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.0000	BRL	9.210	U	"	"	"	"
100-41-4	Ethylbenzene	1.8800	2.0000	8.150	8.670	J	"	"	"	"
1330-20-7	m,p-Xylene	7.3600	4.0000	31.900	17.300		"	"	"	"
75-25-2	Bromoform	BRL	2.0000	BRL	20.700	U	"	"	"	"
100-42-5	Styrene	BRL	2.0000	BRL	8.510	U	"	"	"	"
95-47-6	o-Xylene	1.7600	2.0000	7.630	8.670	J	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.0000	BRL	13.700	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	2.0000	BRL	9.800	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV4-8 SA77688-09	G0576	Air	23-Apr-08 10:35	24-Apr-08

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.0000	BRL	9.800	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	BRL	2.0000	BRL	9.800	U	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.0000	BRL	10.300	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.0000	BRL	12.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.0000	BRL	14.800	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.0000	BRL	21.300	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV4-55	G0576	Air	23-Apr-08 12:05	24-Apr-08
SA77688-10				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	73.550	2.5000	127.000	4.300		EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.5000	BRL	12.400	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.5000	BRL	5.160	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000	BRL	17.500	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.5000	BRL	6.390	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.5000	BRL	5.520	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.5000	BRL	9.700	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.5000	BRL	6.600	U	"	"	"	"
67-64-1	Acetone	197.10	2.5000	468.000	5.940		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.5000	BRL	14.000	U	"	"	"	"
64-17-5	Ethanol	43.000	2.5000	81.100	4.710	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.5000	BRL	8.680	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000	BRL	19.200	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.5000	BRL	7.780	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.5000	BRL	9.020	U	"	"	"	"
67-63-0	Isopropyl alcohol	2.4000	2.5000	5.890	6.130	J	"	"	"	"
78-93-3	2-Butanone (MEK)	208.75	2.5000	616.000	7.370		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
110-54-3	Hexane	BRL	2.5000	BRL	8.810	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	2.5000	BRL	9.010	U	"	"	"	"
67-66-3	Chloroform	BRL	2.5000	BRL	12.200	U	"	"	"	"
109-99-9	Tetrahydrofuran	1.8000	2.5000	5.310	7.370	J	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
71-43-2	Benzene	2.5000	2.5000	7.980	7.980		"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.5000	BRL	15.700	U	"	"	"	"
110-82-7	Cyclohexane	2.2000	2.5000	7.570	8.610	J	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.5000	BRL	11.600	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.5000	BRL	16.700	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.5000	BRL	13.400	U	"	"	"	"
142-82-5	n-Heptane	10.450	2.5000	42.800	10.200		"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.5000	BRL	10.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
108-88-3	Toluene	31.800	2.5000	120.000	9.410		"	"	"	"
591-78-6	2-Hexanone (MBK)	28.300	2.5000	116.000	10.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.5000	BRL	21.300	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.5000	BRL	19.200	U	"	"	"	"
127-18-4	Tetrachloroethene	4.6500	2.5000	31.500	17.000		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.5000	BRL	11.500	U	"	"	"	"
100-41-4	Ethylbenzene	2.8000	2.5000	12.100	10.800		"	"	"	"
1330-20-7	m,p-Xylene	10.300	5.0000	44.700	21.700		"	"	"	"
75-25-2	Bromoform	BRL	2.5000	BRL	25.800	U	"	"	"	"
100-42-5	Styrene	BRL	2.5000	BRL	10.600	U	"	"	"	"
95-47-6	o-Xylene	2.7000	2.5000	11.700	10.800		"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.5000	BRL	17.200	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	2.5000	BRL	12.300	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV4-55	G0576	Air	23-Apr-08 12:05	24-Apr-08
SA77688-10				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.5000	BRL	12.300	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	2.5500	2.5000	12.500	12.300		"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.5000	BRL	12.900	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.5000	BRL	18.600	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.5000	BRL	26.700	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV5-8	G0576	Air	23-Apr-08 10:45	24-Apr-08
SA77688-11				

CAS No.	Analyte(s)	Result Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Batch	Analyst
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	83.350	2.5000	143.000	4.300		EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.5000	BRL	12.400	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.5000	BRL	5.160	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000	BRL	17.500	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.5000	BRL	6.390	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.5000	BRL	5.520	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.5000	BRL	9.700	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.5000	BRL	6.600	U	"	"	"	"
67-64-1	Acetone	201.20	2.5000	478.000	5.940		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.5000	BRL	14.000	U	"	"	"	"
64-17-5	Ethanol	73.650	2.5000	139.000	4.710	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.5000	BRL	8.680	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000	BRL	19.200	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.5000	BRL	7.780	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.5000	BRL	9.020	U	"	"	"	"
67-63-0	Isopropyl alcohol	1.6500	2.5000	4.050	6.130	J	"	"	"	"
78-93-3	2-Butanone (MEK)	385.75	2.5000	1140.000	7.370		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
110-54-3	Hexane	BRL	2.5000	BRL	8.810	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	2.5000	BRL	9.010	U	"	"	"	"
67-66-3	Chloroform	BRL	2.5000	BRL	12.200	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	2.5000	BRL	7.370	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
71-43-2	Benzene	BRL	2.5000	BRL	7.980	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.5000	BRL	15.700	U	"	"	"	"
110-82-7	Cyclohexane	BRL	2.5000	BRL	8.610	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.5000	BRL	11.600	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.5000	BRL	16.700	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.5000	BRL	13.400	U	"	"	"	"
142-82-5	n-Heptane	1.7000	2.5000	6.970	10.200	J	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.5000	BRL	10.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
108-88-3	Toluene	10.900	2.5000	41.000	9.410		"	"	"	"
591-78-6	2-Hexanone (MBK)	55.700	2.5000	228.000	10.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.5000	BRL	21.300	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.5000	BRL	19.200	U	"	"	"	"
127-18-4	Tetrachloroethene	3.6000	2.5000	24.400	17.000		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.5000	BRL	11.500	U	"	"	"	"
100-41-4	Ethylbenzene	3.1500	2.5000	13.700	10.800		"	"	"	"
1330-20-7	m,p-Xylene	14.150	5.0000	61.300	21.700		"	"	"	"
75-25-2	Bromoform	BRL	2.5000	BRL	25.800	U	"	"	"	"
100-42-5	Styrene	BRL	2.5000	BRL	10.600	U	"	"	"	"
95-47-6	o-Xylene	3.8500	2.5000	16.700	10.800		"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.5000	BRL	17.200	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	1.7500	2.5000	8.600	12.300	J	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV5-8 SA77688-11	G0576	Air	23-Apr-08 10:45	24-Apr-08

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.5000	BRL	12.300	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	4.9500	2.5000	24.300	12.300		"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.5000	BRL	12.900	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.5000	BRL	18.600	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.5000	BRL	26.700	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV5-55	G0576	Air	23-Apr-08 10:55	24-Apr-08
SA77688-12				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
115-07-1	Propene	54.900	2.5000	94.500	4.300		EPA TO-15	29-Apr-08	8050045	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.5000	BRL	12.400	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.5000	BRL	5.160	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000	BRL	17.500	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.5000	BRL	6.390	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.5000	BRL	5.520	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.5000	BRL	9.700	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.5000	BRL	6.600	U	"	"	"	"
67-64-1	Acetone	127.65	2.5000	303.000	5.940		"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.5000	BRL	14.000	U	"	"	"	"
64-17-5	Ethanol	36.050	2.5000	68.000	4.710	Z-2	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.5000	BRL	8.680	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	7.4500	2.5000	57.100	19.200		"	"	"	"
75-15-0	Carbon disulfide	BRL	2.5000	BRL	7.780	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.5000	BRL	9.020	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	2.5000	BRL	6.130	U	"	"	"	"
78-93-3	2-Butanone (MEK)	216.75	2.5000	639.000	7.370		"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.5000	BRL	9.900	U	"	"	"	"
110-54-3	Hexane	4.6500	2.5000	16.400	8.810		"	"	"	"
141-78-6	Ethyl acetate	BRL	2.5000	BRL	9.010	U	"	"	"	"
67-66-3	Chloroform	BRL	2.5000	BRL	12.200	U	"	"	"	"
109-99-9	Tetrahydrofuran	2.4500	2.5000	7.220	7.370	J	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.5000	BRL	10.100	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
71-43-2	Benzene	2.2500	2.5000	7.180	7.980	J	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.5000	BRL	15.700	U	"	"	"	"
110-82-7	Cyclohexane	BRL	2.5000	BRL	8.610	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.5000	BRL	11.600	U	"	"	"	"
75-27-4	Bromodichloromethane	1.5500	2.5000	10.400	16.700	J	"	"	"	"
79-01-6	Trichloroethene	BRL	2.5000	BRL	13.400	U	"	"	"	"
142-82-5	n-Heptane	2.5500	2.5000	10.500	10.200		"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.5000	BRL	10.200	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.5000	BRL	11.300	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.5000	BRL	13.600	U	"	"	"	"
108-88-3	Toluene	11.650	2.5000	43.800	9.410		"	"	"	"
591-78-6	2-Hexanone (MBK)	27.950	2.5000	115.000	10.200		"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.5000	BRL	21.300	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.5000	BRL	19.200	U	"	"	"	"
127-18-4	Tetrachloroethene	4.2500	2.5000	28.800	17.000		"	"	"	"
108-90-7	Chlorobenzene	BRL	2.5000	BRL	11.500	U	"	"	"	"
100-41-4	Ethylbenzene	2.3000	2.5000	10.000	10.800	J	"	"	"	"
1330-20-7	m,p-Xylene	8.8500	5.0000	38.400	21.700		"	"	"	"
75-25-2	Bromoform	BRL	2.5000	BRL	25.800	U	"	"	"	"
100-42-5	Styrene	BRL	2.5000	BRL	10.600	U	"	"	"	"
95-47-6	o-Xylene	2.2000	2.5000	9.500	10.800	J	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.5000	BRL	17.200	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	2.5000	BRL	12.300	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-SV5-55	G0576	Air	23-Apr-08 10:55	24-Apr-08
SA77688-12				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		ppbv	Prepared 29-Apr-08							
622-96-8	4-Ethyltoluene	BRL	2.5000	BRL	12.300	U	EPA TO-15	29-Apr-08	8050045	WB
95-63-6	1,2,4-Trimethylbenzene	BRL	2.5000	BRL	12.300	U	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.5000	BRL	12.900	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.5000	BRL	15.000	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.5000	BRL	18.600	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.5000	BRL	26.700	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98*	*70-130 %*				"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-TB	G0576	Air	23-Apr-08 08:00	24-Apr-08
SA77688-13				

CAS No.	Analyte(s)	Result Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Batch	Analyst
Air Quality Analyses										
EPA TO-15 SIM		ppbv	Prepared 02-May-08							
115-07-1	Propene	BRL	0.100	BRL	0.170	U	EPA TO-15	02-May-08	8050314	krl
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	0.100	BRL	0.490	U	"	"	"	"
74-87-3	Chloromethane	BRL	0.100	BRL	0.210	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.100	BRL	0.700	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	0.100	BRL	0.260	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	0.100	BRL	0.220	U	"	"	"	"
74-83-9	Bromomethane	BRL	0.100	BRL	0.390	U	"	"	"	"
75-00-3	Chloroethane	BRL	0.100	BRL	0.260	U	"	"	"	"
67-64-1	Acetone	0.0900	0.500	0.210	1.190	J	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.100	BRL	0.560	U	"	"	"	"
64-17-5	Ethanol	BRL	0.500	BRL	0.940	U	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	0.100	BRL	0.400	U	"	"	"	"
75-09-2	Methylene chloride	BRL	0.100	BRL	0.350	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.100	BRL	0.770	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	0.500	BRL	1.560	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	0.100	BRL	0.400	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	0.100	BRL	0.400	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	0.100	BRL	0.360	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	0.500	BRL	1.230	U	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	0.100	BRL	0.290	U	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	0.100	BRL	0.400	U	"	"	"	"
110-54-3	Hexane	BRL	0.100	BRL	0.350	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	0.100	BRL	0.360	U	"	"	"	"
67-66-3	Chloroform	BRL	0.100	BRL	0.490	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	0.100	BRL	0.290	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	0.100	BRL	0.400	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	0.100	BRL	0.550	U	"	"	"	"
71-43-2	Benzene	BRL	0.100	BRL	0.320	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	0.100	BRL	0.630	U	"	"	"	"
110-82-7	Cyclohexane	BRL	0.100	BRL	0.340	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	0.100	BRL	0.460	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	0.100	BRL	0.670	U	"	"	"	"
79-01-6	Trichloroethene	BRL	0.100	BRL	0.540	U	"	"	"	"
142-82-5	n-Heptane	BRL	0.100	BRL	0.410	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.100	BRL	0.410	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	0.100	BRL	0.450	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	0.100	BRL	0.450	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	0.100	BRL	0.550	U	"	"	"	"
108-88-3	Toluene	BRL	0.100	BRL	0.380	U	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	0.100	BRL	0.410	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	0.100	BRL	0.850	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.100	BRL	0.770	U	"	"	"	"
127-18-4	Tetrachloroethene	BRL	0.100	BRL	0.680	U	"	"	"	"
108-90-7	Chlorobenzene	BRL	0.100	BRL	0.460	U	"	"	"	"
100-41-4	Ethylbenzene	BRL	0.100	BRL	0.430	U	"	"	"	"
1330-20-7	m,p-Xylene	BRL	0.100	BRL	0.430	U	"	"	"	"
75-25-2	Bromoform	BRL	0.100	BRL	1.030	U	"	"	"	"
100-42-5	Styrene	BRL	0.100	BRL	0.430	U	"	"	"	"
95-47-6	o-Xylene	BRL	0.100	BRL	0.430	U	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.100	BRL	0.690	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	0.100	BRL	0.490	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
130173-TB SA77688-13	G0576	Air	23-Apr-08 08:00	24-Apr-08

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15 SIM		ppbv	Prepared 02-May-08							
622-96-8	4-Ethyltoluene	BRL	0.100	BRL	0.490	U	EPA TO-15	02-May-08	8050314	krl
95-63-6	1,2,4-Trimethylbenzene	BRL	0.100	BRL	0.490	U	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	0.100	BRL	0.600	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	0.100	BRL	0.520	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	0.100	BRL	0.600	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	0.100	BRL	0.600	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	0.100	BRL	0.740	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	0.100	BRL	1.070	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*98*	*70-130 %*				"	"	"	"

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 8050045 - General Air Prep										
Blank (8050045-BLK1)				Prepared & Analyzed: 29-Apr-08						
Propene	BRL	0.50000	ppbv							U
Dichlorodifluoromethane (Freon12)	BRL	0.50000	ppbv							U
Chloromethane	BRL	0.50000	ppbv							U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.50000	ppbv							U
Vinyl chloride	BRL	0.50000	ppbv							U
1,3-Butadiene	BRL	0.50000	ppbv							U
Bromomethane	BRL	0.50000	ppbv							U
Chloroethane	BRL	0.50000	ppbv							U
Acetone	BRL	0.50000	ppbv							U
Trichlorofluoromethane (Freon 11)	BRL	0.50000	ppbv							U
Ethanol	BRL	0.50000	ppbv							U
1,1-Dichloroethene	BRL	0.50000	ppbv							U
Methylene chloride	BRL	0.50000	ppbv							U
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.50000	ppbv							U
Carbon disulfide	BRL	0.50000	ppbv							U
trans-1,2-Dichloroethene	BRL	0.50000	ppbv							U
1,1-Dichloroethane	BRL	0.50000	ppbv							U
Methyl tert-butyl ether	BRL	0.50000	ppbv							U
Isopropyl alcohol	BRL	0.50000	ppbv							U
2-Butanone (MEK)	BRL	0.50000	ppbv							U
cis-1,2-Dichloroethene	BRL	0.50000	ppbv							U
Hexane	BRL	0.50000	ppbv							U
Ethyl acetate	BRL	0.50000	ppbv							U
Chloroform	BRL	0.50000	ppbv							U
Tetrahydrofuran	BRL	0.50000	ppbv							U
1,2-Dichloroethane	BRL	0.50000	ppbv							U
1,1,1-Trichloroethane	BRL	0.50000	ppbv							U
Benzene	BRL	0.50000	ppbv							U
Carbon tetrachloride	BRL	0.50000	ppbv							U
Cyclohexane	BRL	0.50000	ppbv							U
1,2-Dichloropropane	BRL	0.50000	ppbv							U
Bromodichloromethane	BRL	0.50000	ppbv							U
Trichloroethene	BRL	0.50000	ppbv							U
n-Heptane	BRL	0.50000	ppbv							U
4-Methyl-2-pentanone (MIBK)	BRL	0.50000	ppbv							U
cis-1,3-Dichloropropene	BRL	0.50000	ppbv							U
trans-1,3-Dichloropropene	BRL	0.50000	ppbv							U
1,1,2-Trichloroethane	BRL	0.50000	ppbv							U
Toluene	BRL	0.50000	ppbv							U
2-Hexanone (MBK)	BRL	0.50000	ppbv							U
Dibromochloromethane	BRL	0.50000	ppbv							U
1,2-Dibromoethane (EDB)	BRL	0.50000	ppbv							U
Tetrachloroethene	BRL	0.50000	ppbv							U
Chlorobenzene	BRL	0.50000	ppbv							U
Ethylbenzene	BRL	0.50000	ppbv							U
m,p-Xylene	BRL	1.0000	ppbv							U
Bromoform	BRL	0.50000	ppbv							U
Styrene	BRL	0.50000	ppbv							U
o-Xylene	BRL	0.50000	ppbv							U
1,1,2,2-Tetrachloroethane	BRL	0.50000	ppbv							U
1,3,5-Trimethylbenzene	BRL	0.50000	ppbv							U
4-Ethyltoluene	BRL	0.50000	ppbv							U
1,2,4-Trimethylbenzene	BRL	0.50000	ppbv							U
1,3-Dichlorobenzene	BRL	0.50000	ppbv							U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 8050045 - General Air Prep										
Blank (8050045-BLK1)				Prepared & Analyzed: 29-Apr-08						
Benzyl chloride	BRL	0.50000	ppbv							U
1,4-Dichlorobenzene	BRL	0.50000	ppbv							U
1,2-Dichlorobenzene	BRL	0.50000	ppbv							U
1,2,4-Trichlorobenzene	BRL	0.50000	ppbv							U
Hexachlorobutadiene	BRL	0.50000	ppbv							U
Surrogate: 4-Bromofluorobenzene	*9.7800*		ppbv	*10.0*		*98*	*70-130*			
LCS (8050045-BS1)				Prepared & Analyzed: 29-Apr-08						
Propene	8.9500		ppbv	10.0		90	70-130			
Dichlorodifluoromethane (Freon12)	10.130		ppbv	10.0		101	70-130			
Chloromethane	8.9800		ppbv	10.0		90	70-130			
1,2-Dichlorotetrafluoroethane (Freon 114)	8.8600		ppbv	10.0		89	70-130			
Vinyl chloride	9.7000		ppbv	10.0		97	70-130			
1,3-Butadiene	9.8200		ppbv	10.0		98	70-130			
Bromomethane	10.920		ppbv	10.0		109	70-130			
Chloroethane	10.480		ppbv	10.0		105	70-130			
Acetone	7.4300		ppbv	10.0		74	70-130			
Trichlorofluoromethane (Freon 11)	10.540		ppbv	10.0		105	70-130			
Ethanol	5.2500		ppbv	10.0		52	74.4-130			QC1
1,1-Dichloroethene	8.3700		ppbv	10.0		84	70-130			
Methylene chloride	9.7100		ppbv	10.0		97	70-130			
1,1,2-Trichlorotrifluoroethane (Freon 113)	8.8500		ppbv	10.0		88	70-130			
Carbon disulfide	9.8300		ppbv	10.0		98	70-130			
trans-1,2-Dichloroethene	8.2000		ppbv	10.0		82	70-130			
1,1-Dichloroethane	8.3900		ppbv	10.0		84	70-130			
Methyl tert-butyl ether	8.9400		ppbv	10.0		89	70-130			
Isopropyl alcohol	7.1000		ppbv	10.0		71	70-130			
2-Butanone (MEK)	8.7200		ppbv	10.0		87	70-130			
cis-1,2-Dichloroethene	8.9100		ppbv	10.0		89	70-130			
Hexane	9.4800		ppbv	10.0		95	70-130			
Ethyl acetate	9.5400		ppbv	10.0		95	70-130			
Chloroform	9.6900		ppbv	10.0		97	70-130			
Tetrahydrofuran	7.4900		ppbv	10.0		75	70-130			
1,2-Dichloroethane	9.2500		ppbv	10.0		92	70-130			
1,1,1-Trichloroethane	8.9400		ppbv	10.0		89	70-130			
Benzene	9.2800		ppbv	10.0		93	70-130			
Carbon tetrachloride	9.1200		ppbv	10.0		91	70-130			
Cyclohexane	9.6100		ppbv	10.0		96	70-130			
1,2-Dichloropropane	9.9700		ppbv	10.0		100	70-130			
Bromodichloromethane	10.530		ppbv	10.0		105	70-130			
Trichloroethene	9.8300		ppbv	10.0		98	70-130			
n-Heptane	9.8500		ppbv	10.0		98	70-130			
4-Methyl-2-pentanone (MIBK)	10.360		ppbv	10.0		104	70-130			
cis-1,3-Dichloropropene	9.4900		ppbv	10.0		95	70-130			
trans-1,3-Dichloropropene	8.6200		ppbv	10.0		86	70-130			
1,1,2-Trichloroethane	9.8100		ppbv	10.0		98	70-130			
Toluene	9.7000		ppbv	10.0		97	70-130			
2-Hexanone (MBK)	8.6900		ppbv	10.0		87	70-130			
Dibromochloromethane	10.110		ppbv	10.0		101	70-130			
1,2-Dibromoethane (EDB)	9.8800		ppbv	10.0		99	70-130			
Tetrachloroethene	9.7200		ppbv	10.0		97	70-130			
Chlorobenzene	9.3900		ppbv	10.0		94	70-130			
Ethylbenzene	9.4200		ppbv	10.0		94	70-130			
m,p-Xylene	19.930		ppbv	20.0		100	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 8050045 - General Air Prep										
LCS (8050045-BS1)				Prepared & Analyzed: 29-Apr-08						
Bromoform	8.7700		ppbv	10.0		88	70-130			
Styrene	9.9100		ppbv	10.0		99	70-130			
o-Xylene	9.9000		ppbv	10.0		99	70-130			
1,1,2,2-Tetrachloroethane	9.8500		ppbv	10.0		98	70-130			
1,3,5-Trimethylbenzene	8.6100		ppbv	10.0		86	70-130			
4-Ethyltoluene	9.5600		ppbv	10.0		96	70-130			
1,2,4-Trimethylbenzene	9.2100		ppbv	10.0		92	70-130			
1,3-Dichlorobenzene	9.0400		ppbv	10.0		90	70-130			
Benzyl chloride	9.9100		ppbv	10.0		99	70-130			
1,4-Dichlorobenzene	8.6400		ppbv	10.0		86	70-130			
1,2-Dichlorobenzene	8.4200		ppbv	10.0		84	70-130			
1,2,4-Trichlorobenzene	7.4200		ppbv	10.0		74	70-130			
Hexachlorobutadiene	7.7600		ppbv	10.0		78	70-130			
Surrogate: 4-Bromofluorobenzene	*9.9700*		ppbv	*10.0*		*100*	*70-130*			
Duplicate (8050045-DUP1)	**Source: SA77688-02**			Prepared & Analyzed: 29-Apr-08						
Propene	BRL	2.5000	ppbv		BRL				30	U
Dichlorodifluoromethane (Freon12)	BRL	2.5000	ppbv		BRL				30	U
Chloromethane	BRL	2.5000	ppbv		BRL				30	U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.5000	ppbv		BRL				30	U
Vinyl chloride	BRL	2.5000	ppbv		BRL				30	U
1,3-Butadiene	BRL	2.5000	ppbv		BRL				30	U
Bromomethane	BRL	2.5000	ppbv		BRL				30	U
Chloroethane	BRL	2.5000	ppbv		BRL				30	U
Acetone	324.80	2.5000	ppbv		288.30			12	30	
Trichlorofluoromethane (Freon 11)	BRL	2.5000	ppbv		BRL				30	U
Ethanol	57.800	2.5000	ppbv		52.500			10	30	Z-2
1,1-Dichloroethene	BRL	2.5000	ppbv		BRL				30	U
Methylene chloride	3.0000	2.5000	ppbv		3.0500			2	30	
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.5000	ppbv		BRL				30	U
Carbon disulfide	BRL	2.5000	ppbv		BRL				30	U
trans-1,2-Dichloroethene	BRL	2.5000	ppbv		BRL				30	U
1,1-Dichloroethane	BRL	2.5000	ppbv		BRL				30	U
Methyl tert-butyl ether	BRL	2.5000	ppbv		BRL				30	U
Isopropyl alcohol	5.8000	2.5000	ppbv		5.7000			2	30	
2-Butanone (MEK)	219.70	2.5000	ppbv		243.90			10	30	
cis-1,2-Dichloroethene	BRL	2.5000	ppbv		BRL				30	U
Hexane	9.0500	2.5000	ppbv		8.9500			1	30	
Ethyl acetate	BRL	2.5000	ppbv		BRL				30	U
Chloroform	BRL	2.5000	ppbv		BRL				30	U
Tetrahydrofuran	1.8500	2.5000	ppbv		1.7000			8	30	J
1,2-Dichloroethane	BRL	2.5000	ppbv		BRL				30	U
1,1,1-Trichloroethane	3.4000	2.5000	ppbv		3.4500			1	30	
Benzene	3.4500	2.5000	ppbv		3.5000			1	30	
Carbon tetrachloride	BRL	2.5000	ppbv		BRL				30	U
Cyclohexane	5.9000	2.5000	ppbv		5.8000			2	30	
1,2-Dichloropropane	BRL	2.5000	ppbv		BRL				30	U
Bromodichloromethane	BRL	2.5000	ppbv		BRL				30	U
Trichloroethene	17.650	2.5000	ppbv		17.550			0.6	30	
n-Heptane	25.450	2.5000	ppbv		25.550			0.4	30	
4-Methyl-2-pentanone (MIBK)	BRL	2.5000	ppbv		BRL				30	U
cis-1,3-Dichloropropene	BRL	2.5000	ppbv		BRL				30	U
trans-1,3-Dichloropropene	BRL	2.5000	ppbv		BRL				30	U
1,1,2-Trichloroethane	BRL	2.5000	ppbv		BRL				30	U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 8050045 - General Air Prep										
Duplicate (8050045-DUP1)		**Source: SA77688-02**		Prepared & Analyzed: 29-Apr-08						
Toluene	69.200	2.5000	ppbv		68.950			0.4	30	
2-Hexanone (MBK)	23.800	2.5000	ppbv		24.000			0.8	30	
Dibromochloromethane	BRL	2.5000	ppbv		BRL				30	U
1,2-Dibromoethane (EDB)	BRL	2.5000	ppbv		BRL				30	U
Tetrachloroethene	410.80	2.5000	ppbv		398.10			3	30	
Chlorobenzene	BRL	2.5000	ppbv		BRL				30	U
Ethylbenzene	4.0000	2.5000	ppbv		4.0000			0	30	
m,p-Xylene	12.600	5.0000	ppbv		12.750			1	30	
Bromoform	BRL	2.5000	ppbv		BRL				30	U
Styrene	BRL	2.5000	ppbv		BRL				30	U
o-Xylene	3.7000	2.5000	ppbv		3.7000			0	30	
1,1,2,2-Tetrachloroethane	BRL	2.5000	ppbv		BRL				30	U
1,3,5-Trimethylbenzene	BRL	2.5000	ppbv		BRL				30	U
4-Ethyltoluene	BRL	2.5000	ppbv		BRL				30	U
1,2,4-Trimethylbenzene	2.6000	2.5000	ppbv		2.6500			2	30	
1,3-Dichlorobenzene	BRL	2.5000	ppbv		BRL				30	U
Benzyl chloride	BRL	2.5000	ppbv		BRL				30	U
1,4-Dichlorobenzene	BRL	2.5000	ppbv		BRL				30	U
1,2-Dichlorobenzene	BRL	2.5000	ppbv		BRL				30	U
1,2,4-Trichlorobenzene	BRL	2.5000	ppbv		BRL				30	U
Hexachlorobutadiene	BRL	2.5000	ppbv		BRL				30	U
Surrogate: 4-Bromofluorobenzene	*9.8600*		ppbv	*10.0*		*99*	*70-130*			
Batch 8050314 - General Air Prep										
Blank (8050314-BLK1)				Prepared & Analyzed: 02-May-08						
Propene	BRL	0.100	ppbv							U
Dichlorodifluoromethane (Freon12)	BRL	0.100	ppbv							U
Chloromethane	BRL	0.100	ppbv							U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.100	ppbv							U
Vinyl chloride	BRL	0.100	ppbv							U
1,3-Butadiene	BRL	0.100	ppbv							U
Bromomethane	BRL	0.100	ppbv							U
Chloroethane	BRL	0.100	ppbv							U
Acetone	BRL	0.500	ppbv							U
Trichlorofluoromethane (Freon 11)	BRL	0.100	ppbv							U
Ethanol	BRL	0.500	ppbv							U
1,1-Dichloroethene	BRL	0.100	ppbv							U
Methylene chloride	BRL	0.100	ppbv							U
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.100	ppbv							U
Carbon disulfide	BRL	0.500	ppbv							U
trans-1,2-Dichloroethene	BRL	0.100	ppbv							U
1,1-Dichloroethane	BRL	0.100	ppbv							U
Methyl tert-butyl ether	BRL	0.100	ppbv							U
Isopropyl alcohol	BRL	0.500	ppbv							U
2-Butanone (MEK)	BRL	0.100	ppbv							U
cis-1,2-Dichloroethene	BRL	0.100	ppbv							U
Hexane	BRL	0.100	ppbv							U
Ethyl acetate	BRL	0.100	ppbv							U
Chloroform	BRL	0.100	ppbv							U
Tetrahydrofuran	BRL	0.100	ppbv							U
1,2-Dichloroethane	BRL	0.100	ppbv							U
1,1,1-Trichloroethane	BRL	0.100	ppbv							U
Benzene	BRL	0.100	ppbv							U
Carbon tetrachloride	BRL	0.100	ppbv							U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 8050314 - General Air Prep										
Blank (8050314-BLK1)				Prepared & Analyzed: 02-May-08						
Cyclohexane	BRL	0.100	ppbv							U
1,2-Dichloropropane	BRL	0.100	ppbv							U
Bromodichloromethane	BRL	0.100	ppbv							U
Trichloroethene	BRL	0.100	ppbv							U
n-Heptane	BRL	0.100	ppbv							U
4-Methyl-2-pentanone (MIBK)	BRL	0.100	ppbv							U
cis-1,3-Dichloropropene	BRL	0.100	ppbv							U
trans-1,3-Dichloropropene	BRL	0.100	ppbv							U
1,1,2-Trichloroethane	BRL	0.100	ppbv							U
Toluene	BRL	0.100	ppbv							U
2-Hexanone (MBK)	BRL	0.100	ppbv							U
Dibromochloromethane	BRL	0.100	ppbv							U
1,2-Dibromoethane (EDB)	BRL	0.100	ppbv							U
Tetrachloroethene	BRL	0.100	ppbv							U
Chlorobenzene	BRL	0.100	ppbv							U
Ethylbenzene	BRL	0.100	ppbv							U
m,p-Xylene	BRL	0.100	ppbv							U
Bromoform	BRL	0.100	ppbv							U
Styrene	BRL	0.100	ppbv							U
o-Xylene	BRL	0.100	ppbv							U
1,1,2,2-Tetrachloroethane	BRL	0.100	ppbv							U
1,3,5-Trimethylbenzene	BRL	0.100	ppbv							U
4-Ethyltoluene	BRL	0.100	ppbv							U
1,2,4-Trimethylbenzene	BRL	0.100	ppbv							U
1,3-Dichlorobenzene	BRL	0.100	ppbv							U
Benzyl chloride	BRL	0.100	ppbv							U
1,4-Dichlorobenzene	BRL	0.100	ppbv							U
1,2-Dichlorobenzene	BRL	0.100	ppbv							U
1,2,4-Trichlorobenzene	BRL	0.100	ppbv							U
Hexachlorobutadiene	BRL	0.100	ppbv							U
Surrogate: 4-Bromofluorobenzene	*9.73*		ppbv	*10.0*		*97*	*70-130*			
LCS (8050314-BS1)				Prepared & Analyzed: 02-May-08						
Propene	1.88		ppbv	2.00		94	70-130			
Dichlorodifluoromethane (Freon12)	2.24		ppbv	2.00		112	70-130			
Chloromethane	1.94		ppbv	2.00		97	70-130			
1,2-Dichlorotetrafluoroethane (Freon 114)	1.82		ppbv	2.00		91	70-130			
Vinyl chloride	2.20		ppbv	2.00		110	70-130			
1,3-Butadiene	2.27		ppbv	2.00		114	70-130			
Bromomethane	2.34		ppbv	2.00		117	70-130			
Chloroethane	2.19		ppbv	2.00		110	70-130			
Acetone	1.52		ppbv	2.00		76	70-130			
Trichlorofluoromethane (Freon 11)	1.98		ppbv	2.00		99	70-130			
Ethanol	1.67		ppbv	2.00		84	70-178			
1,1-Dichloroethene	1.57		ppbv	2.00		78	70-130			
Methylene chloride	1.69		ppbv	2.00		84	70-130			
1,1,2-Trichlorotrifluoroethane (Freon 113)	1.48		ppbv	2.00		74	70-130			
Carbon disulfide	1.78		ppbv	2.00		89	70-130			
trans-1,2-Dichloroethene	1.59		ppbv	2.00		80	70-130			
1,1-Dichloroethane	1.56		ppbv	2.00		78	70-130			
Methyl tert-butyl ether	2.22		ppbv	2.00		111	70-130			
Isopropyl alcohol	1.44		ppbv	2.00		72	70-130			
2-Butanone (MEK)	2.04		ppbv	2.00		102	70-130			
cis-1,2-Dichloroethene	1.78		ppbv	2.00		89	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 8050314 - General Air Prep										
LCS (8050314-BS1)				Prepared & Analyzed: 02-May-08						
Hexane	2.06		ppbv	2.00		103	70-130			
Ethyl acetate	1.90		ppbv	2.00		95	70-130			
Chloroform	1.71		ppbv	2.00		86	70-130			
Tetrahydrofuran	1.93		ppbv	2.00		96	70-130			
1,2-Dichloroethane	1.77		ppbv	2.00		88	70-130			
1,1,1-Trichloroethane	1.70		ppbv	2.00		85	70-130			
Benzene	1.89		ppbv	2.00		94	70-130			
Carbon tetrachloride	1.80		ppbv	2.00		90	70-130			
Cyclohexane	1.78		ppbv	2.00		89	70-130			
1,2-Dichloropropane	1.82		ppbv	2.00		91	70-130			
Bromodichloromethane	1.82		ppbv	2.00		91	70-130			
Trichloroethene	1.93		ppbv	2.00		96	70-130			
n-Heptane	2.02		ppbv	2.00		101	70-130			
4-Methyl-2-pentanone (MIBK)	1.96		ppbv	2.00		98	70-130			
cis-1,3-Dichloropropene	1.98		ppbv	2.00		99	70-130			
trans-1,3-Dichloropropene	1.88		ppbv	2.00		94	70-130			
1,1,2-Trichloroethane	1.65		ppbv	2.00		82	70-130			
Toluene	2.03		ppbv	2.00		102	70-130			
2-Hexanone (MBK)	1.89		ppbv	2.00		94	70-130			
Dibromochloromethane	1.79		ppbv	2.00		90	70-130			
1,2-Dibromoethane (EDB)	1.72		ppbv	2.00		86	70-130			
Tetrachloroethene	2.06		ppbv	2.00		103	70-130			
Chlorobenzene	1.71		ppbv	2.00		86	70-130			
Ethylbenzene	2.11		ppbv	2.00		106	70-130			
m,p-Xylene	4.18		ppbv	4.00		104	70-130			
Bromoform	1.88		ppbv	2.00		94	70-130			
Styrene	2.19		ppbv	2.00		110	70-130			
o-Xylene	2.06		ppbv	2.00		103	70-130			
1,1,2,2-Tetrachloroethane	1.56		ppbv	2.00		78	70-130			
1,3,5-Trimethylbenzene	1.86		ppbv	2.00		93	70-130			
4-Ethyltoluene	1.92		ppbv	2.00		96	70-130			
1,2,4-Trimethylbenzene	1.89		ppbv	2.00		94	70-130			
1,3-Dichlorobenzene	1.62		ppbv	2.00		81	70-130			
Benzyl chloride	2.25		ppbv	2.00		112	70-130			
1,4-Dichlorobenzene	1.62		ppbv	2.00		81	70-130			
1,2-Dichlorobenzene	1.56		ppbv	2.00		78	70-130			
1,2,4-Trichlorobenzene	1.62		ppbv	2.00		81	70-130			
Hexachlorobutadiene	1.52		ppbv	2.00		76	70-130			
Surrogate: 4-Bromofluorobenzene	*10.3*		ppbv	*10.0*		*103*	*70-130*			

Notes and Definitions

Z-2	Analyte may be biased low based on QC recovery. Passed in CCC.
U	Analyte included in the analysis, but not detected
QC1	Analyte out of acceptance range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA 77688 EM

MITKEM LABORATORIES
A DIVISION OF SPECTRUM ANALYTICAL, INC. FOR ENVIRONMENTAL TECHNOLOGY

175 Metro Center Blvd
Warwick, RI 02886-1755
Phone : (401) 732-3400
Fax : (401) 732-3499

CHAIN-OF-CUSTODY RECORD

Subcontractor:
Spectrum Analytical, Inc.
11 Almgren Drive
Agawam, Massachusetts 01001

Phone: (413) 789-9018

WorkOrder : G0576
Report Type : ASP-B
EDD Type : MEDD4_2-3
Due Date : 5/15/2008

Report To : Shirley S Ng
Purchase Order : G0576

Client Sample ID		Collection Date	Matrix	DUP/MS/MSD	Mitkem Sample ID	Requested Test: TO15
130173-SV1-8	77688-01	4/23/2008 9:45:00 AM	Air		G0576-01A	X
130173-SV1-55	02	4/23/2008 10:09:00 AM	Air		G0576-02A	X
130173-SV2-8	03	4/23/2008 10:05:00 AM	Air		G0576-03A	X
130173-SV2-55	04	4/23/2008 10:07:00 AM	Air		G0576-04A	X
130173-SV3-8	05	4/23/2008 10:17:00 AM	Air		G0576-05A	X
130173-AA	06	4/23/2008 10:22:00 AM	Air		G0576-06A	X
130173-SV3-55	07	4/23/2008 10:25:00 AM	Air		G0576-07A	X
130173-SV33-55	08	4/23/2008 10:25:00 AM	Air		G0576-08A	X
130173-SV4-8	09	4/23/2008 10:35:00 AM	Air		G0576-09A	X
130173-SV4-55	10	4/23/2008 12:05:00 PM	Air		G0576-10A	X
130173-SV5-8	11	4/23/2008 10:45:00 AM	Air		G0576-11A	X
130173-SV5-55	12	4/23/2008 10:55:00 AM	Air		G0576-12A	X

1) TO15, TO-15 VOA BY GC-MS

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Report in ug/m3 in both hard copy and EDD. Report 0.25ug/m3 for TCE and 1 ug/m3 for all other compounds. See original COC for special instruction.

		Date/Time			Date/Time
Relinquished by:	Leon Bishop		**Received by:**		4/24/08 20:30

4.5 °C

04/25/2008

SA 77688 C4

MITKEM LABORATORIES
A Division of Spectrum Analytical, Inc. Providing Chemical Technology

175 Metro Center Blvd
Warwick, RI 02886-1755
Phone : (401) 732-3400
Fax : (401) 732-3499

CHAIN-OF-CUSTODY RECORD

Subcontractor:
Spectrum Analytical, Inc.
11 Almgren Drive
Agawam, Massachusetts 01001

Phone: (413) 789-9018

WorkOrder : G0576
Report Type : ASP-B
EDD Type : MEDD4_2-3
Due Date : 5/15/2008

Report To : Shirley S Ng
Purchase Order : G0576

Client Sample ID	Collection Date	Matrix	DUP/MS/MSD	Mitkem Sample ID	Requested Test: TO15
130173-TB 77688-13	4/23/2008 8:00:00 AM	Air		G0576-13A	X

1) TO15, TO-15 VOA BY GC-MS

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Report in ug/m3 in both hard copy and EDD. Report 0.25ug/m3 for TCE and 1 ug/m3 for all other compounds. See original COC for special instruction.

	Date/Time		Date/Time
Relinquished by:		**Received by:**	

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☑ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Beattie
Raritan Plaza 1
Edison NJ, 08818
(3rd Floor)
Project Mgr.: Jessica Beattie

Invoice To: Same as (report)
P.O. No.: _____ RQN: _____

Project No.: 130173
Site Name: Shames Drive
Location: 1000 Shames Drive State: N.Y.
Sampler(s): SO MK

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Summa Canister	Analyses: EPA TO15	QA Reporting Notes: (check if needed)
	130173-SV1-8	4/23/08	0945		Air						1	X	
	130173-SV1-55	4/23/08	1009		Air						1	X	Purged for 1 hr. 40 min.
	130173-SV2-8	4/23/08	1005		Air						1	X	Purged for 1 hr. 40 min
	130173-SV2-55	4/23/08	1007		Air						1	X	Purged for 1 hr. 40 min.
	130173-SV3-8	4/23/08	1017		Air						1	X	
	130173-AA	4/23/08	1022		Air						1	X	
	130173-SV3-55	4/23/08	1025		Air						1	X	
	130173-SV35-55	4/23/08	1025		Air						1	X	
	130173-SV4-8	4/23/08	1035		Air						1	X	
	130173-SV4-55	4/23/08	~~1038~~ 1205 MK SO		Air						1	X	

QA Reporting Notes (check if needed):
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
- ☐ Standard ☐ No QC
- ☐ Other _____

[4] State specific reporting standards: _____

- ☐ Fax results when available to (_____) _____
- ☐ E-mail to _____
- EDD Format _____
- Condition upon receipt: ☐ Iced ☑ Ambient ☐ °C 4.5

Relinquished by:	Received by:	Date:	Time:
		4/24/08	12:24
		4/24/08	20:30

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Beattie
Raritan Plaza 1
Edison NJ 08818
(3rd Floor)
Project Mgr.: Jessica Beattie

Invoice To: Same as (report)

P.O. No.: _____ RQN: _____

Project No.: 130173
Site Name: Shames Drive
Location: 1000 Shames Drive State: N.Y.
Sampler(s): BO MK

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Sum	Analyses: EPA TO15								QA Reporting Notes: (check if needed)
	130173-SVS-8	4/23/08	1045		Air						1	X								
	130173-SVS-55	4/23/08	1055		Air						1	X								
	130173-TB	4/23/08	0600		Air						1	X								Trip Blank

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

☐ Fax results when available to (____) _____
☐ E-mail to _____
EDD Format _____
Condition upon receipt: ☐ Iced ☑ Ambient ☐ °C 4.5

Relinquished by:	Received by:	Date:	Time:
		4/24/08	12:24
		4/24/08	20:30

NY LAB # 11393/11840
FL Lab #E87600/E87936

SPECTRUM ANALYTICAL, INC.

Featuring

Hanibal Technology

Quality Assurance/Quality Control Data Deliverable

Prepared for: Mitkem Laboratories
Project Number: G0576

Work Order SA77688
SDG#77688
Submitted April 24th, 2008

NY Lab #11393/11840
FL Lab E87600/E87936

Table of Contents

Laboratory Name: Spectrum Analytical, Inc. featuring Hanibal Technology
City/State: Agawam, MA
Client Name: Mitkem Laboratories
Project Name/Number: G0576
SDG#: 77688
Associated Work Orders: SA77688

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4. Sample Transmittal Documentation		3	10
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*Select Summary Forms may not be included due to insufficient sample or are not applicable.

NY Lab #11393/11840
FL Lab #E87600/E87936

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

General Narrative

SDG 77688

Work Order
SA77688

NY Lab ID # 11393/11840
FL Lab ID #E87600/E87936

SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

SDG #77688
SA77688 Narrative

Spectrum Analytical, Inc. submits the enclosed data for the site characterization of samples submitted for subcontract analysis by Mitkem Laboratories. This deliverable contains data for thirteen air samples submitted on April 24th, 2008.

Analysis was performed according to USEPA toxic organic compounds in air methods analytical guidelines and the criteria dictated by National Environmental Laboratory Accreditation Conference (NELAC).

The following observations and/or deviations are observed for the following analyses:

1. Overall Observations:

   The samples were received April 24th, 2008 @ 4.5 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

   All of the attached submittals are original other than logbook pages and copies of quality assurance data, which may be shared by other cases. For these, the originals are archived within the laboratory.

   The analysis-specific case narrative can be found in the raw data section of this package.

I certify that this data package is in compliance with the terms and conditions of the contract (under construction), both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer readable data submitted on CD-ROM, has been authorized by the laboratory director as verified by the following signature.

Date: 5/16/08

Hanibal C. Tayeh
President/Laboratory Director

NY Lab #11393/11840
FL Lab #E87600/E87936

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Chain of Custody
Sample Transmittal Documentation

SDG 77688

Work Order
SA77688

SA 77688 EM

MITKEM LABORATORIES
A Division of Spectrum Analytical, Inc. Providing Global Technology

175 Metro Center Blvd
Warwick, RI 02886-1755
Phone : (401) 732-3400
Fax : (401) 732-3499

CHAIN-OF-CUSTODY RECORD

Subcontractor:
Spectrum Analytical, Inc.
11 Almgren Drive
Agawam, Massachusetts 01001

Phone: (413) 789-9018

WorkOrder : G0576
Report Type : ASP-B
EDD Type : MEDD4_2-3
Due Date : 5/15/2008

Report To : Shirley S Ng
Purchase Order : G0576

Client Sample ID		Collection Date	Matrix	DUP/MS/MSD	Mitkem Sample ID	Requested Test: TO15
130173-SV1-8	77688-01	4/23/2008 9:45:00 AM	Air		G0576-01A	X
130173-SV1-55	02	4/23/2008 10:09:00 AM	Air		G0576-02A	X
130173-SV2-8	03	4/23/2008 10:05:00 AM	Air		G0576-03A	X
130173-SV2-55	04	4/23/2008 10:07:00 AM	Air		G0576-04A	X
130173-SV3-8	05	4/23/2008 10:17:00 AM	Air		G0576-05A	X
130173-AA	06	4/23/2008 10:22:00 AM	Air		G0576-06A	X
130173-SV3-55	07	4/23/2008 10:25:00 AM	Air		G0576-07A	X
130173-SV33-55	08	4/23/2008 10:25:00 AM	Air		G0576-08A	X
130173-SV4-8	09	4/23/2008 10:35:00 AM	Air		G0576-09A	X
130173-SV4-55	10	4/23/2008 12:05:00 PM	Air		G0576-10A	X
130173-SV5-8	11	4/23/2008 10:45:00 AM	Air		G0576-11A	X
130173-SV5-55	12	4/23/2008 10:55:00 AM	Air		G0576-12A	X

1) TO15, TO-15 VOA BY GC-MS

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Report in ug/m3 in both hard copy and EDD. Report 0.25ug/m3 for TCE and 1 ug/m3 for all other compounds. See original COC for special instruction.

		Date/Time			Date/Time
Relinquished by:	Leon Bishop		**Received by:**		4/24/08 20:30

4.5 °C

04/25/2008

SA 77688 C4

MITKEM LABORATORIES
A Division of SPECTRUM ANALYTICAL, INC. Featuring GENERAL TECHNOLOGY

175 Metro Center Blvd
Warwick, RI 02886-1755
Phone : (401) 732-3400
Fax : (401) 732-3499

CHAIN-OF-CUSTODY RECORD

Subcontractor:
Spectrum Analytical, Inc.
11 Almgren Drive
Agawam, Massachusetts 01001

Phone: (413) 789-9018

WorkOrder : G0576
Report Type : ASP-B
EDD Type : MEDD4_2-3
Due Date : 5/15/2008

Report To : Shirley S Ng
Purchase Order : G0576

Client Sample ID	Collection Date	Matrix	DUP/MS/MSD	Mitkem Sample ID	Requested Test: TO15
130173-TB 77688-13	4/23/2008 8:00:00 AM	Air		G0576-13A	X

1) TO15, TO-15 VOA BY GC-MS

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Report in ug/m3 in both hard copy and EDD. Report 0.25ug/m3 for TCE and 1 ug/m3 for all other compounds. See original COC for special instruction.

	Date/Time		Date/Time
Relinquished by:		**Received by:**	

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☑ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Bettie
Raritan Plaza I
Edison NJ 08818
(3rd floor)
Project Mgr.: Jessica Bettie

Invoice To: Same as (report)

P.O. No.: _____ RQN: _____

Project No.: 130173
Site Name: Shames Drive
Location: 1000 Shames Drive State: N.Y.
Sampler(s): BO MK

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Summa Canister	Analyses: EPA TO15								QA Reporting Notes: (check if needed)
	130173-SV1-8	4/23/08	0945		Air						1	X								
	130173-SV1-55	4/23/08	1009		Air						1	X								Purged for 1hr. 40min.
	130173-SV2-8	4/23/08	1005		Air						1	X								Purged for 1hr. 40min
	130173-SV2-55	4/23/08	1007		Air						1	X								Purged for 1hr. 40min.
	130173-SV3-8	4/23/08	1017		Air						1	X								
	130173-AA	4/23/08	1022		Air						1	X								
	130173-SV3-55	4/23/08	1025		Air						1	X								
	130173-SV33-55	4/23/08	1025		Air						1	X								
	130173-SV4-8	4/23/08	1035		Air						1	X								
	130173-SV4-55	4/23/08	~~1038~~ 1205		Air						1	X								

☐ Fax results when available to (____) _____
☐ E-mail to _____
EDD Format _____

Condition upon receipt: ☐ Iced ☑ Ambient ☐ °C 4.5

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

Relinquished by:	Received by:	Date:	Time:
		4/24/08	12:24
		4/24/08	8:30

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Bedtke
Raritan Plaza 1
Edison NJ 08818
(3rd Floor)
Project Mgr.: Jessica Bedtke

Invoice To: Same as (report)

P.O. No.: _____ RQN: _____

Project No.: 130173
Site Name: Shames Drive
Location: 1000 Shames Drive State: N.Y.
Sampler(s): BO MK.

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Sum	Analyses: EPA TO15	QA Reporting Notes: (check if needed)
	130173-SV5-8	4/23/08	1045		Air						1	X	
	130173-SV5-55	4/23/08	1055		Air						1	X	
	130173-TB	4/23/08	0600		Air						1	X	Trip Blnk

QA Reporting Notes (check if needed):
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

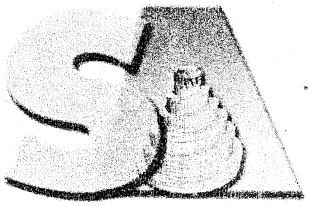
QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

☐ Fax results when available to (_____) _____
☐ E-mail to _____
EDD Format _____

Condition upon receipt: ☐ Iced ☑ Ambient ☐ °C 4.5

Relinquished by:	Received by:	Date:	Time:
		4/24/08	12:24
		4/24/08	20:30



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

SAMPLE INTEGRITY FORM

Sample ID			Preservative Added					Notes:
	Initial pH	Sample split	50% HCl	50% H_2SO_4	50% NaOH	50% HNO_3	Final pH	Work Order No. 77688

Solid samples for VOC analyses: Submitted in SA provided $CH_3OH/NaHSO_4$ vials _____
Submitted in $CH_3OH/NaHSO_4$, not SA vials _____
Not submitted in $CH_3OH/NaHSO_4$ _____

Notes: _____

Login Analyst Initials: EK Date: 04/25/08

ENVIRONMENTAL ANALYSES

11 Almgren Drive • Agawam, Massachusetts 01001 • Operational Building & Sample Receiving
830 Silver Street • Agawam, Massachusetts 01001 • Administrative Offices, Volatile & Air Departments
1-800-789-9115 • 413-789-9018 • Fax 413-789-4076

SA77688

Spectrum Analytical, Inc. - Agawam, MA

Report To:
Mitkem Laboratories
Shirley Ng
175 Metro Center Boulevard
Warwick, RI 02886-1755
Phone: (401) 732-3400
Fax: (401) 732-3499

Invoice To:
Mitkem Laboratories
Edward Lawler
175 Metro Center Boulevard
Warwick, RI 02886-1755
Phone: (401) 732-3400
Fax: (401) 732-3499

Project #: G0576
Project: See Chain of Custody
Sampled By:
Date Due: 05-May-08 17:00
Received By: Elie Makhoul
Date Received: 24-Apr-08 20:30

Lab ID	Client ID	Sampled	Lab Matrix / Report Matrix	Containers
SA77688-01	130173-SV1-8	23-Apr-08 09:45	Air / Air	A - Summa canister
SA77688-02	130173-SV1-55	23-Apr-08 10:09	Air / Air	A - Summa canister
SA77688-03	130173-SV2-8	23-Apr-08 10:05	Air / Air	A - Summa canister
SA77688-04	130173-SV2-55	23-Apr-08 10:07	Air / Air	A - Summa canister
SA77688-05	130173-SV3-8	23-Apr-08 10:17	Air / Air	A - Summa canister
SA77688-06	130173-AA	23-Apr-08 10:22	Air / Air	A - Summa canister
SA77688-07	130173-SV3-55	23-Apr-08 10:25	Air / Air	A - Summa canister
SA77688-08	130173-SV33-55	23-Apr-08 10:25	Air / Air	A - Summa canister
SA77688-09	130173-SV4-8	23-Apr-08 10:35	Air / Air	A - Summa canister
SA77688-10	130173-SV4-55	23-Apr-08 12:05	Air / Air	A - Summa canister
SA77688-11	130173-SV5-8	23-Apr-08 10:45	Air / Air	A - Summa canister
SA77688-12	130173-SV5-55	23-Apr-08 10:55	Air / Air	A - Summa canister
SA77688-13	130173-TB	23-Apr-08 08:00	Air / Air	A - Summa canister

SA77688

Spectrum Analytical, Inc. - Agawam, MA

Analysis	Due	TAT	Comments
SA77688-01 130173-SV1-8			
TO-15	05-May-08 16:00	7	See coc for special instructions
SA77688-02 130173-SV1-55			
TO-15	"	"	"
SA77688-03 130173-SV2-8			
TO-15	"	"	"
SA77688-04 130173-SV2-55			
TO-15	"	"	"
SA77688-05 130173-SV3-8			
TO-15	"	"	"
SA77688-06 130173-AA			
TO-15	"	"	"
SA77688-07 130173-SV3-55			
TO-15	"	"	"
SA77688-08 130173-SV33-55			
TO-15	"	"	"
SA77688-09 130173-SV4-8			
TO-15	"	"	"
SA77688-10 130173-SV4-55			
TO-15	"	"	"
SA77688-11 130173-SV5-8			
TO-15	"	"	"
SA77688-12 130173-SV5-55			
TO-15	"	"	"
SA77688-13 130173-TB			
TO-15	"	"	"

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

Spectrum Analytical, Inc. Lab Reference No./SDG: SA77688
Client: Mitkem Laboratories

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

Sample Analysis: All samples were analyzed within the method-specified holding time.

III. METHODS

Analyses were performed according to EPA Method TO-15

IV. ANALYSIS

The following equipment was used to analyze the volatile organic compounds in this laboratory:

Entech 7016ca Autosampler
Entech 7100 preconcentrator
Agilent 6890 series GC system
Agilent 5973 Network Mass Selective Detector
Column- RTX1 60meters .032ID F 1µm

A. Calibration: All analytes were within acceptance range in the CCV samples for batches 8050045 and 8050314.

B. Blanks: All blanks were within acceptable method criteria.

C. Surrogates: Surrogates were within the acceptance criteria for all QC's and samples.

D. Spikes:

Laboratory Control Spikes (LCS):

A LCS sample was analyzed within batch 8050045. All analytes were within acceptance criteria with the following exception. Ethanol was not within method limits in batch.

A LCS sample was analyzed within batch 8050314. All analytes were within acceptance criteria.

E. Matrix Duplicate Samples (DUP): A matrix duplicate was analyzed in batch 8050045 from source sample SA77688-02. All recoveries were within method criteria.

F. Internal Standards: All internal standards were within method criteria.

G. Samples: The recovery for Ethanol in samples SA77688-01, SA77688-02, SA77688-03, SA77688-04, SA77688-05, SA77688-07, SA77688-08, SA77688-09, SA77688-10, SA77688-11 and SA77688-12 maybe biased low based on QC recovery.

Spectrum Analytical, Inc. - Agawam, MA
SDG: 77688
CLASS: AIR
METHOD: EPA TO-15

ANALYSES DATA PACKAGE COVER PAGE
EPA TO-15

Laboratory: Spectrum Analytical, Inc. - Agawam, MA
Client: Mitkem Laboratories
Project Number: G0576

SDG: 77688
Project: See Chain of Custody

Client Sample Id:	Lab Sample Id:
130173-SV1-8	SA77688-01
130173-SV1-55	SA77688-02
130173-SV2-8	SA77688-03
130173-SV2-55	SA77688-04
130173-SV3-8	SA77688-05
130173-AA	SA77688-06
130173-SV3-55	SA77688-07
130173-SV33-55	SA77688-08
130173-SV4-8	SA77688-09
130173-SV4-55	SA77688-10
130173-SV5-8	SA77688-11
130173-SV5-55	SA77688-12
130173-TB	SA77688-13

FORM I - AIR ANALYSIS DATA SHEET
EPA TO-15

130173-SV1-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-01	File ID:	A28216.D
Sampled:	04/23/08 09:45	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 14:30
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	4	1.2080	2.079	UD
75-71-8	Dichlorodifluoromethane (Freon12)	4	0.43200	2.136	UD
74-87-3	Chloromethane	4	0.49600	1.024	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	4	0.39080	2.732	UD
75-01-4	Vinyl chloride	4	0.55200	1.411	UD
106-99-0	1,3-Butadiene	4	0.74400	1.643	UD
74-83-9	Bromomethane	4	0.59600	2.313	UD
75-00-3	Chloroethane	4	0.63200	1.667	UD
67-64-1	Acetone	4	322.32	765.922	D
75-69-4	Trichlorofluoromethane (Freon 11)	4	0.78800	4.428	UD
64-17-5	Ethanol	4	40.920	77.154	D
75-35-4	1,1-Dichloroethene	4	0.49600	1.968	UD
75-09-2	Methylene chloride	4	2.0800	7.223	D
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4	0.69600	5.335	UD
75-15-0	Carbon disulfide	4	1.4800	4.606	JD
156-60-5	trans-1,2-Dichloroethene	4	0.27960	1.109	UD
75-34-3	1,1-Dichloroethane	4	0.66400	2.689	UD
1634-04-4	Methyl tert-butyl ether	4	0.43200	1.558	UD
67-63-0	Isopropyl alcohol	4	9.2000	22.577	D
78-93-3	2-Butanone (MEK)	4	113.08	333.459	D
156-59-2	cis-1,2-Dichloroethene	4	0.48400	1.919	UD
110-54-3	Hexane	4	8.8800	31.307	D
141-78-6	Ethyl acetate	4	0.61600	2.220	UD
67-66-3	Chloroform	4	0.88400	4.302	UD
109-99-9	Tetrahydrofuran	4	0.76800	2.265	UD
107-06-2	1,2-Dichloroethane	4	0.99600	4.033	UD
71-55-6	1,1,1-Trichloroethane	4	0.52000	2.837	UD
71-43-2	Benzene	4	3.2400	10.336	D
56-23-5	Carbon tetrachloride	4	0.88400	5.561	UD
110-82-7	Cyclohexane	4	8.5600	29.465	D
78-87-5	1,2-Dichloropropane	4	0.57200	2.644	UD
75-27-4	Bromodichloromethane	4	0.76000	5.092	UD
79-01-6	Trichloroethene	4	3.2000	17.198	D
142-82-5	n-Heptane	4	39.920	163.599	D
108-10-1	4-Methyl-2-pentanone (MIBK)	4	1.3560	5.557	UD
10061-01-5	cis-1,3-Dichloropropene	4	0.53600	2.433	UD
10061-02-6	trans-1,3-Dichloropropene	4	0.46400	2.107	UD
79-00-5	1,1,2-Trichloroethane	4	0.64000	3.492	UD
108-88-3	Toluene	4	104.96	394.942	D

FORM I - AIR ANALYSIS DATA SHEET
EPA TO-15

130173-SV1-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-01	File ID:	A28216.D
Sampled:	04/23/08 09:45	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 14:30
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	4	13.840	56.719	D
124-48-1	Dibromochloromethane	4	0.56800	4.839	UD
106-93-4	1,2-Dibromoethane (EDB)	4	0.67200	5.164	UD
127-18-4	Tetrachloroethene	4	106.24	720.433	D
108-90-7	Chlorobenzene	4	0.59600	2.745	UD
100-41-4	Ethylbenzene	4	4.4400	19.249	D
1330-20-7	m,p-Xylene	4	12.400	53.759	D
75-25-2	Bromoform	4	0.76000	7.855	UD
100-42-5	Styrene	4	1.4400	6.125	JD
95-47-6	o-Xylene	4	3.9200	16.995	D
79-34-5	1,1,2,2-Tetrachloroethane	4	1.0120	6.949	UD
108-67-8	1,3,5-Trimethylbenzene	4	1.3200	6.489	JD
622-96-8	4-Ethyltoluene	4	0.46800	2.301	UD
95-63-6	1,2,4-Trimethylbenzene	4	3.8800	19.075	D
541-73-1	1,3-Dichlorobenzene	4	0.60000	3.607	UD
100-44-7	Benzyl chloride	4	0.69600	3.587	UD
106-46-7	1,4-Dichlorobenzene	4	0.57200	3.439	UD
95-50-1	1,2-Dichlorobenzene	4	0.52800	3.174	UD
120-82-1	1,2,4-Trichlorobenzene	4	0.89200	6.622	UD
87-68-3	Hexachlorobutadiene	4	1.6440	17.529	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.9500	100	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1440760	10.1	1260030	10.1	
1,4-Difluorobenzene	7535971	12.32	6534647	12.31	
Chlorobenzene-d5	3763708	17.88	3365845	17.88	

* Values outside of QC limits

FORM I - AIR ANALYSIS DATA SHEET
EPA TO-15

130173-SV1-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-02	File ID:	A28214.D
Sampled:	04/23/08 10:09	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 12:09
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	5	1.5100	2.599	UD
75-71-8	Dichlorodifluoromethane (Freon12)	5	0.54000	2.670	UD
74-87-3	Chloromethane	5	0.62000	1.281	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	5	0.48850	3.415	UD
75-01-4	Vinyl chloride	5	0.69000	1.764	UD
106-99-0	1,3-Butadiene	5	0.93000	2.054	UD
74-83-9	Bromomethane	5	0.74500	2.892	UD
75-00-3	Chloroethane	5	0.79000	2.084	UD
67-64-1	Acetone	5	288.30	685.081	D
75-69-4	Trichlorofluoromethane (Freon 11)	5	0.98500	5.535	UD
64-17-5	Ethanol	5	52.500	98.988	D
75-35-4	1,1-Dichloroethene	5	0.62000	2.460	UD
75-09-2	Methylene chloride	5	3.0500	10.591	D
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5	0.87000	6.668	UD
75-15-0	Carbon disulfide	5	0.48600	1.513	UD
156-60-5	trans-1,2-Dichloroethene	5	0.34950	1.386	UD
75-34-3	1,1-Dichloroethane	5	0.83000	3.361	UD
1634-04-4	Methyl tert-butyl ether	5	0.54000	1.948	UD
67-63-0	Isopropyl alcohol	5	5.7000	13.988	D
78-93-3	2-Butanone (MEK)	5	243.90	719.231	D
156-59-2	cis-1,2-Dichloroethene	5	0.60500	2.399	UD
110-54-3	Hexane	5	8.9500	31.554	D
141-78-6	Ethyl acetate	5	0.77000	2.775	UD
67-66-3	Chloroform	5	1.1050	5.378	UD
109-99-9	Tetrahydrofuran	5	1.7000	5.013	JD
107-06-2	1,2-Dichloroethane	5	1.2450	5.041	UD
71-55-6	1,1,1-Trichloroethane	5	3.4500	18.823	D
71-43-2	Benzene	5	3.5000	11.166	D
56-23-5	Carbon tetrachloride	5	1.1050	6.951	UD
110-82-7	Cyclohexane	5	5.8000	19.964	D
78-87-5	1,2-Dichloropropane	5	0.71500	3.304	UD
75-27-4	Bromodichloromethane	5	0.95000	6.364	UD
79-01-6	Trichloroethene	5	17.550	94.318	D
142-82-5	n-Heptane	5	25.550	104.708	D
108-10-1	4-Methyl-2-pentanone (MIBK)	5	1.6950	6.946	UD
10061-01-5	cis-1,3-Dichloropropene	5	0.67000	3.042	UD
10061-02-6	trans-1,3-Dichloropropene	5	0.58000	2.633	UD
79-00-5	1,1,2-Trichloroethane	5	0.80000	4.365	UD
108-88-3	Toluene	5	68.950	259.444	D

FORM I - AIR ANALYSIS DATA SHEET
EPA TO-15

130173-SV1-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-02	File ID:	A28214.D
Sampled:	04/23/08 10:09	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 12:09
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	5	24.000	98.356	D
124-48-1	Dibromochloromethane	5	0.71000	6.049	UD
106-93-4	1,2-Dibromoethane (EDB)	5	0.84000	6.455	UD
127-18-4	Tetrachloroethene	5	398.10	2,699.590	D
108-90-7	Chlorobenzene	5	0.74500	3.431	UD
100-41-4	Ethylbenzene	5	4.0000	17.342	D
1330-20-7	m,p-Xylene	5	12.750	55.276	D
75-25-2	Bromoform	5	0.95000	9.819	UD
100-42-5	Styrene	5	0.79500	3.382	UD
95-47-6	o-Xylene	5	3.7000	16.041	D
79-34-5	1,1,2,2-Tetrachloroethane	5	1.2650	8.687	UD
108-67-8	1,3,5-Trimethylbenzene	5	0.88000	4.326	UD
622-96-8	4-Ethyltoluene	5	0.58500	2.876	UD
95-63-6	1,2,4-Trimethylbenzene	5	2.6500	13.028	D
541-73-1	1,3-Dichlorobenzene	5	0.75000	4.509	UD
100-44-7	Benzyl chloride	5	0.87000	4.483	UD
106-46-7	1,4-Dichlorobenzene	5	0.71500	4.299	UD
95-50-1	1,2-Dichlorobenzene	5	0.66000	3.968	UD
120-82-1	1,2,4-Trichlorobenzene	5	1.1150	8.277	UD
87-68-3	Hexachlorobutadiene	5	2.0550	21.912	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.9600	100	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1380961	10.1	1260030	10.1	
1,4-Difluorobenzene	7170155	12.32	6534647	12.31	
Chlorobenzene-d5	3622326	17.89	3365845	17.88	

* Values outside of QC limits

FORM I - AIR ANALYSIS DATA SHEET
EPA TO-15

130173-SV2-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-03	File ID:	A28217.D
Sampled:	04/23/08 10:05	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 15:11
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	4	58.560	100.785	D
75-71-8	Dichlorodifluoromethane (Freon12)	4	0.43200	2.136	UD
74-87-3	Chloromethane	4	0.49600	1.024	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	4	0.39080	2.732	UD
75-01-4	Vinyl chloride	4	0.55200	1.411	UD
106-99-0	1,3-Butadiene	4	0.74400	1.643	UD
74-83-9	Bromomethane	4	0.59600	2.313	UD
75-00-3	Chloroethane	4	0.63200	1.667	UD
67-64-1	Acetone	4	164.64	391.230	D
75-69-4	Trichlorofluoromethane (Freon 11)	4	0.78800	4.428	UD
64-17-5	Ethanol	4	49.400	93.143	D
75-35-4	1,1-Dichloroethene	4	0.49600	1.968	UD
75-09-2	Methylene chloride	4	0.44000	1.528	UD
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4	0.69600	5.335	UD
75-15-0	Carbon disulfide	4	0.38880	1.210	UD
156-60-5	trans-1,2-Dichloroethene	4	0.27960	1.109	UD
75-34-3	1,1-Dichloroethane	4	0.66400	2.689	UD
1634-04-4	Methyl tert-butyl ether	4	0.43200	1.558	UD
67-63-0	Isopropyl alcohol	4	0.36920	0.906	UD
78-93-3	2-Butanone (MEK)	4	272.36	803.156	D
156-59-2	cis-1,2-Dichloroethene	4	0.48400	1.919	UD
110-54-3	Hexane	4	2.5600	9.025	D
141-78-6	Ethyl acetate	4	0.61600	2.220	UD
67-66-3	Chloroform	4	0.88400	4.302	UD
109-99-9	Tetrahydrofuran	4	0.76800	2.265	UD
107-06-2	1,2-Dichloroethane	4	0.99600	4.033	UD
71-55-6	1,1,1-Trichloroethane	4	0.52000	2.837	UD
71-43-2	Benzene	4	0.49600	1.582	UD
56-23-5	Carbon tetrachloride	4	0.88400	5.561	UD
110-82-7	Cyclohexane	4	0.45200	1.556	UD
78-87-5	1,2-Dichloropropane	4	0.57200	2.644	UD
75-27-4	Bromodichloromethane	4	0.76000	5.092	UD
79-01-6	Trichloroethene	4	0.61200	3.289	UD
142-82-5	n-Heptane	4	1.8400	7.541	JD
108-10-1	4-Methyl-2-pentanone (MIBK)	4	1.3560	5.557	UD
10061-01-5	cis-1,3-Dichloropropene	4	0.53600	2.433	UD
10061-02-6	trans-1,3-Dichloropropene	4	0.46400	2.107	UD
79-00-5	1,1,2-Trichloroethane	4	0.64000	3.492	UD
108-88-3	Toluene	4	8.8000	33.112	D

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130173-SV2-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-03	File ID:	A28217.D
Sampled:	04/23/08 10:05	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 15:11
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	4	37.720	154.583	D
124-48-1	Dibromochloromethane	4	0.56800	4.839	UD
106-93-4	1,2-Dibromoethane (EDB)	4	0.67200	5.164	UD
127-18-4	Tetrachloroethene	4	8.7600	59.403	D
108-90-7	Chlorobenzene	4	0.59600	2.745	UD
100-41-4	Ethylbenzene	4	2.6800	11.619	D
1330-20-7	m,p-Xylene	4	12.280	53.238	D
75-25-2	Bromoform	4	0.76000	7.855	UD
100-42-5	Styrene	4	0.63600	2.705	UD
95-47-6	o-Xylene	4	3.2800	14.220	D
79-34-5	1,1,2,2-Tetrachloroethane	4	1.0120	6.949	UD
108-67-8	1,3,5-Trimethylbenzene	4	1.5600	7.669	JD
622-96-8	4-Ethyltoluene	4	0.46800	2.301	UD
95-63-6	1,2,4-Trimethylbenzene	4	4.2400	20.844	D
541-73-1	1,3-Dichlorobenzene	4	0.60000	3.607	UD
100-44-7	Benzyl chloride	4	0.69600	3.587	UD
106-46-7	1,4-Dichlorobenzene	4	0.57200	3.439	UD
95-50-1	1,2-Dichlorobenzene	4	0.52800	3.174	UD
120-82-1	1,2,4-Trichlorobenzene	4	0.89200	6.622	UD
87-68-3	Hexachlorobutadiene	4	1.6440	17.529	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.8600	99	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1401938	10.12	1260030	10.1	
1,4-Difluorobenzene	7310580	12.34	6534647	12.31	
Chlorobenzene-d5	3732726	17.9	3365845	17.88	

* Values outside of QC limits

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130173-SV2-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-04	File ID:	A28218.D
Sampled:	04/23/08 10:07	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 15:52
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	4	76.440	131.558	D
75-71-8	Dichlorodifluoromethane (Freon12)	4	0.43200	2.136	UD
74-87-3	Chloromethane	4	0.49600	1.024	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	4	0.39080	2.732	UD
75-01-4	Vinyl chloride	4	0.55200	1.411	UD
106-99-0	1,3-Butadiene	4	0.74400	1.643	UD
74-83-9	Bromomethane	4	0.59600	2.313	UD
75-00-3	Chloroethane	4	0.63200	1.667	UD
67-64-1	Acetone	4	217.20	516.128	D
75-69-4	Trichlorofluoromethane (Freon 11)	4	0.78800	4.428	UD
64-17-5	Ethanol	4	59.240	111.696	D
75-35-4	1,1-Dichloroethene	4	0.49600	1.968	UD
75-09-2	Methylene chloride	4	0.44000	1.528	UD
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4	0.69600	5.335	UD
75-15-0	Carbon disulfide	4	0.38880	1.210	UD
156-60-5	trans-1,2-Dichloroethene	4	0.27960	1.109	UD
75-34-3	1,1-Dichloroethane	4	0.66400	2.689	UD
1634-04-4	Methyl tert-butyl ether	4	0.43200	1.558	UD
67-63-0	Isopropyl alcohol	4	0.36920	0.906	UD
78-93-3	2-Butanone (MEK)	4	312.80	922.408	D
156-59-2	cis-1,2-Dichloroethene	4	0.48400	1.919	UD
110-54-3	Hexane	4	0.36920	1.302	UD
141-78-6	Ethyl acetate	4	0.61600	2.220	UD
67-66-3	Chloroform	4	0.88400	4.302	UD
109-99-9	Tetrahydrofuran	4	2.2800	6.723	D
107-06-2	1,2-Dichloroethane	4	0.99600	4.033	UD
71-55-6	1,1,1-Trichloroethane	4	0.52000	2.837	UD
71-43-2	Benzene	4	2.0800	6.636	D
56-23-5	Carbon tetrachloride	4	0.88400	5.561	UD
110-82-7	Cyclohexane	4	0.45200	1.556	UD
78-87-5	1,2-Dichloropropane	4	0.57200	2.644	UD
75-27-4	Bromodichloromethane	4	1.5600	10.451	JD
79-01-6	Trichloroethene	4	0.61200	3.289	UD
142-82-5	n-Heptane	4	3.0800	12.622	D
108-10-1	4-Methyl-2-pentanone (MIBK)	4	1.3560	5.557	UD
10061-01-5	cis-1,3-Dichloropropene	4	0.53600	2.433	UD
10061-02-6	trans-1,3-Dichloropropene	4	0.46400	2.107	UD
79-00-5	1,1,2-Trichloroethane	4	0.64000	3.492	UD
108-88-3	Toluene	4	12.400	46.658	D

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130173-SV2-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-04	File ID:	A28218.D
Sampled:	04/23/08 10:07	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 15:52
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	4	35.440	145.239	D
124-48-1	Dibromochloromethane	4	0.56800	4.839	UD
106-93-4	1,2-Dibromoethane (EDB)	4	0.67200	5.164	UD
127-18-4	Tetrachloroethene	4	21.320	144.575	D
108-90-7	Chlorobenzene	4	0.59600	2.745	UD
100-41-4	Ethylbenzene	4	2.3600	10.231	D
1330-20-7	m,p-Xylene	4	9.1200	39.539	D
75-25-2	Bromoform	4	0.76000	7.855	UD
100-42-5	Styrene	4	0.63600	2.705	UD
95-47-6	o-Xylene	4	2.2800	9.885	D
79-34-5	1,1,2,2-Tetrachloroethane	4	1.0120	6.949	UD
108-67-8	1,3,5-Trimethylbenzene	4	0.70400	3.461	UD
622-96-8	4-Ethyltoluene	4	0.46800	2.301	UD
95-63-6	1,2,4-Trimethylbenzene	4	0.57600	2.832	UD
541-73-1	1,3-Dichlorobenzene	4	0.60000	3.607	UD
100-44-7	Benzyl chloride	4	0.69600	3.587	UD
106-46-7	1,4-Dichlorobenzene	4	0.57200	3.439	UD
95-50-1	1,2-Dichlorobenzene	4	0.52800	3.174	UD
120-82-1	1,2,4-Trichlorobenzene	4	0.89200	6.622	UD
87-68-3	Hexachlorobutadiene	4	1.6440	17.529	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.8300	98	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1400682	10.12	1260030	10.1	
1,4-Difluorobenzene	7382124	12.33	6534647	12.31	
Chlorobenzene-d5	3808187	17.89	3365845	17.88	

* Values outside of QC limits

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130173-SV3-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-05	File ID:	A28219.D
Sampled:	04/23/08 10:17	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 16:33
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	5	80.250	138.115	D
75-71-8	Dichlorodifluoromethane (Freon12)	5	0.54000	2.670	UD
74-87-3	Chloromethane	5	0.62000	1.281	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	5	0.48850	3.415	UD
75-01-4	Vinyl chloride	5	0.69000	1.764	UD
106-99-0	1,3-Butadiene	5	0.93000	2.054	UD
74-83-9	Bromomethane	5	0.74500	2.892	UD
75-00-3	Chloroethane	5	0.79000	2.084	UD
67-64-1	Acetone	5	192.10	456.483	D
75-69-4	Trichlorofluoromethane (Freon 11)	5	0.98500	5.535	UD
64-17-5	Ethanol	5	57.900	109.169	D
75-35-4	1,1-Dichloroethene	5	0.62000	2.460	UD
75-09-2	Methylene chloride	5	0.55000	1.910	UD
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5	0.87000	6.668	UD
75-15-0	Carbon disulfide	5	0.48600	1.513	UD
156-60-5	trans-1,2-Dichloroethene	5	0.34950	1.386	UD
75-34-3	1,1-Dichloroethane	5	0.83000	3.361	UD
1634-04-4	Methyl tert-butyl ether	5	0.54000	1.948	UD
67-63-0	Isopropyl alcohol	5	0.46150	1.133	UD
78-93-3	2-Butanone (MEK)	5	285.60	842.199	D
156-59-2	cis-1,2-Dichloroethene	5	0.60500	2.399	UD
110-54-3	Hexane	5	2.8000	9.872	D
141-78-6	Ethyl acetate	5	0.77000	2.775	UD
67-66-3	Chloroform	5	1.1050	5.378	UD
109-99-9	Tetrahydrofuran	5	0.96000	2.831	UD
107-06-2	1,2-Dichloroethane	5	1.2450	5.041	UD
71-55-6	1,1,1-Trichloroethane	5	4.7000	25.643	D
71-43-2	Benzene	5	0.62000	1.978	UD
56-23-5	Carbon tetrachloride	5	1.1050	6.951	UD
110-82-7	Cyclohexane	5	0.56500	1.945	UD
78-87-5	1,2-Dichloropropane	5	0.71500	3.304	UD
75-27-4	Bromodichloromethane	5	0.95000	6.364	UD
79-01-6	Trichloroethene	5	0.76500	4.111	UD
142-82-5	n-Heptane	5	1.7000	6.967	JD
108-10-1	4-Methyl-2-pentanone (MIBK)	5	1.6950	6.946	UD
10061-01-5	cis-1,3-Dichloropropene	5	0.67000	3.042	UD
10061-02-6	trans-1,3-Dichloropropene	5	0.58000	2.633	UD
79-00-5	1,1,2-Trichloroethane	5	0.80000	4.365	UD
108-88-3	Toluene	5	9.8000	36.875	D

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130173-SV3-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-05	File ID:	A28219.D
Sampled:	04/23/08 10:17	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 16:33
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	5	38.350	157.164	D
124-48-1	Dibromochloromethane	5	0.71000	6.049	UD
106-93-4	1,2-Dibromoethane (EDB)	5	0.84000	6.455	UD
127-18-4	Tetrachloroethene	5	34.500	233.951	D
108-90-7	Chlorobenzene	5	0.74500	3.431	UD
100-41-4	Ethylbenzene	5	2.8000	12.139	D
1330-20-7	m,p-Xylene	5	12.550	54.409	D
75-25-2	Bromoform	5	0.95000	9.819	UD
100-42-5	Styrene	5	0.79500	3.382	UD
95-47-6	o-Xylene	5	3.4500	14.957	D
79-34-5	1,1,2,2-Tetrachloroethane	5	1.2650	8.687	UD
108-67-8	1,3,5-Trimethylbenzene	5	1.6000	7.866	JD
622-96-8	4-Ethyltoluene	5	0.58500	2.876	UD
95-63-6	1,2,4-Trimethylbenzene	5	4.4500	21.877	D
541-73-1	1,3-Dichlorobenzene	5	0.75000	4.509	UD
100-44-7	Benzyl chloride	5	0.87000	4.483	UD
106-46-7	1,4-Dichlorobenzene	5	0.71500	4.299	UD
95-50-1	1,2-Dichlorobenzene	5	0.66000	3.968	UD
120-82-1	1,2,4-Trichlorobenzene	5	1.1150	8.277	UD
87-68-3	Hexachlorobutadiene	5	2.0550	21.912	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.8900	99	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1416814	10.11	1260030	10.1	
1,4-Difluorobenzene	7394685	12.32	6534647	12.31	
Chlorobenzene-d5	3788998	17.89	3365845	17.88	

* Values outside of QC limits

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130173-AA

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-06	File ID:	C01660.D
Sampled:	04/23/08 10:22	Prepared:	05/02/08 00:00	Analyzed:	05/02/08 15:44
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050314	Sequence:	S805711	Calibration:	0805013
Instrument:	Air4				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
71-55-6	1,1,1-Trichloroethane	1	0.0256	0.140	U
115-07-1	Propene	1	0.0564	0.097	U
75-71-8	Dichlorodifluoromethane (Freon12)	1	0.690	3.412	
74-87-3	Chloromethane	1	0.590	1.219	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	1	0.0538	0.376	U
75-01-4	Vinyl chloride	1	0.0645	0.165	U
106-99-0	1,3-Butadiene	1	0.0469	0.104	U
74-83-9	Bromomethane	1	0.0596	0.231	U
75-00-3	Chloroethane	1	0.0422	0.111	U
67-64-1	Acetone	1	5.25	12.475	
75-69-4	Trichlorofluoromethane (Freon 11)	1	0.220	1.236	
64-17-5	Ethanol	1	5.41	10.200	
75-35-4	1,1-Dichloroethene	1	0.0282	0.112	U
75-09-2	Methylene chloride	1	0.240	0.833	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	0.0700	0.537	J
75-15-0	Carbon disulfide	1	0.0298	0.093	U
156-60-5	trans-1,2-Dichloroethene	1	0.0168	0.067	U
75-34-3	1,1-Dichloroethane	1	0.0237	0.096	U
1634-04-4	Methyl tert-butyl ether	1	0.0422	0.152	U
67-63-0	Isopropyl alcohol	1	0.650	1.595	
78-93-3	2-Butanone (MEK)	1	0.610	1.799	
156-59-2	cis-1,2-Dichloroethene	1	0.0216	0.086	U
110-54-3	Hexane	1	0.230	0.811	
141-78-6	Ethyl acetate	1	0.0459	0.165	U
67-66-3	Chloroform	1	0.0298	0.145	U
109-99-9	Tetrahydrofuran	1	0.0564	0.166	U
107-06-2	1,2-Dichloroethane	1	0.0153	0.062	U
71-43-2	Benzene	1	0.280	0.893	
56-23-5	Carbon tetrachloride	1	0.0800	0.503	J
110-82-7	Cyclohexane	1	0.0600	0.207	J
78-87-5	1,2-Dichloropropane	1	0.0393	0.182	U
75-27-4	Bromodichloromethane	1	0.0282	0.189	U
79-01-6	Trichloroethene	1	0.0298	0.160	U
142-82-5	n-Heptane	1	0.150	0.615	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.0838	0.343	U
10061-01-5	cis-1,3-Dichloropropene	1	0.0584	0.265	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0525	0.238	U
79-00-5	1,1,2-Trichloroethane	1	0.0355	0.194	U
108-88-3	Toluene	1	1.52	5.719	

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130173-AA

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-06	File ID:	C01660.D
Sampled:	04/23/08 10:22	Prepared:	05/02/08 00:00	Analyzed:	05/02/08 15:44
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050314	Sequence:	S805711	Calibration:	0805013
Instrument:	Air4				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	1	0.0900	0.369	U
124-48-1	Dibromochloromethane	1	0.0237	0.202	U
106-93-4	1,2-Dibromoethane (EDB)	1	0.0493	0.379	U
127-18-4	Tetrachloroethene	1	0.150	1.017	
108-90-7	Chlorobenzene	1	0.0469	0.216	U
100-41-4	Ethylbenzene	1	0.140	0.607	
1330-20-7	m,p-Xylene	1	0.370	1.604	
75-25-2	Bromoform	1	0.0355	0.367	U
100-42-5	Styrene	1	0.0694	0.295	U
95-47-6	o-Xylene	1	0.130	0.564	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0762	0.523	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0865	0.425	U
622-96-8	4-Ethyltoluene	1	0.0886	0.436	U
95-63-6	1,2,4-Trimethylbenzene	1	0.130	0.639	
541-73-1	1,3-Dichlorobenzene	1	0.0701	0.421	U
100-44-7	Benzyl chloride	1	0.0786	0.405	U
106-46-7	1,4-Dichlorobenzene	1	0.0806	0.485	U
95-50-1	1,2-Dichlorobenzene	1	0.0786	0.473	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0955	0.709	U
87-68-3	Hexachlorobutadiene	1	0.0755	0.805	U

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.73	97	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	716209	10.386	903506	10.386	
1,4-Difluorobenzene	4003838	12.599	5083441	12.599	
Chlorobenzene-d5	1854960	18.168	2375040	18.17	

* Values outside of QC limits

FORM I - AIR ANALYSIS DATA SHEET
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130173-SV3-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-07	File ID:	A28220.D
Sampled:	04/23/08 10:25	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 17:14
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	5	63.300	108.943	D
75-71-8	Dichlorodifluoromethane (Freon12)	5	0.54000	2.670	UD
74-87-3	Chloromethane	5	0.62000	1.281	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	5	0.48850	3.415	UD
75-01-4	Vinyl chloride	5	0.69000	1.764	UD
106-99-0	1,3-Butadiene	5	0.93000	2.054	UD
74-83-9	Bromomethane	5	0.74500	2.892	UD
75-00-3	Chloroethane	5	0.79000	2.084	UD
67-64-1	Acetone	5	63.000	149.706	D
75-69-4	Trichlorofluoromethane (Freon 11)	5	0.98500	5.535	UD
64-17-5	Ethanol	5	37.350	70.423	D
75-35-4	1,1-Dichloroethene	5	0.62000	2.460	UD
75-09-2	Methylene chloride	5	0.55000	1.910	UD
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5	0.87000	6.668	UD
75-15-0	Carbon disulfide	5	0.48600	1.513	UD
156-60-5	trans-1,2-Dichloroethene	5	0.34950	1.386	UD
75-34-3	1,1-Dichloroethane	5	0.83000	3.361	UD
1634-04-4	Methyl tert-butyl ether	5	0.54000	1.948	UD
67-63-0	Isopropyl alcohol	5	0.46150	1.133	UD
78-93-3	2-Butanone (MEK)	5	204.65	603.487	D
156-59-2	cis-1,2-Dichloroethene	5	0.60500	2.399	UD
110-54-3	Hexane	5	0.46150	1.627	UD
141-78-6	Ethyl acetate	5	0.77000	2.775	UD
67-66-3	Chloroform	5	1.1050	5.378	UD
109-99-9	Tetrahydrofuran	5	0.96000	2.831	UD
107-06-2	1,2-Dichloroethane	5	1.2450	5.041	UD
71-55-6	1,1,1-Trichloroethane	5	3.2000	17.459	D
71-43-2	Benzene	5	1.6000	5.104	JD
56-23-5	Carbon tetrachloride	5	1.1050	6.951	UD
110-82-7	Cyclohexane	5	0.56500	1.945	UD
78-87-5	1,2-Dichloropropane	5	0.71500	3.304	UD
75-27-4	Bromodichloromethane	5	0.95000	6.364	UD
79-01-6	Trichloroethene	5	0.76500	4.111	UD
142-82-5	n-Heptane	5	2.1000	8.606	JD
108-10-1	4-Methyl-2-pentanone (MIBK)	5	1.6950	6.946	UD
10061-01-5	cis-1,3-Dichloropropene	5	0.67000	3.042	UD
10061-02-6	trans-1,3-Dichloropropene	5	0.58000	2.633	UD
79-00-5	1,1,2-Trichloroethane	5	0.80000	4.365	UD
108-88-3	Toluene	5	9.8000	36.875	D

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130173-SV3-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-07	File ID:	A28220.D
Sampled:	04/23/08 10:25	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 17:14
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	5	24.900	102.044	D
124-48-1	Dibromochloromethane	5	0.71000	6.049	UD
106-93-4	1,2-Dibromoethane (EDB)	5	0.84000	6.455	UD
127-18-4	Tetrachloroethene	5	28.800	195.298	D
108-90-7	Chlorobenzene	5	0.74500	3.431	UD
100-41-4	Ethylbenzene	5	2.3000	9.971	JD
1330-20-7	m,p-Xylene	5	9.4000	40.753	D
75-25-2	Bromoform	5	0.95000	9.819	UD
100-42-5	Styrene	5	0.79500	3.382	UD
95-47-6	o-Xylene	5	2.4000	10.405	JD
79-34-5	1,1,2,2-Tetrachloroethane	5	1.2650	8.687	UD
108-67-8	1,3,5-Trimethylbenzene	5	0.88000	4.326	UD
622-96-8	4-Ethyltoluene	5	0.58500	2.876	UD
95-63-6	1,2,4-Trimethylbenzene	5	2.4000	11.799	JD
541-73-1	1,3-Dichlorobenzene	5	0.75000	4.509	UD
100-44-7	Benzyl chloride	5	0.87000	4.483	UD
106-46-7	1,4-Dichlorobenzene	5	0.71500	4.299	UD
95-50-1	1,2-Dichlorobenzene	5	0.66000	3.968	UD
120-82-1	1,2,4-Trichlorobenzene	5	1.1150	8.277	UD
87-68-3	Hexachlorobutadiene	5	2.0550	21.912	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.8500	98	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1402497	10.11	1260030	10.1	
1,4-Difluorobenzene	7362185	12.32	6534647	12.31	
Chlorobenzene-d5	3783778	17.89	3365845	17.88	

* Values outside of QC limits

FORM I - AIR ANALYSIS DATA SHEET
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130173-SV33-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-08	File ID:	A28221.D
Sampled:	04/23/08 10:25	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 17:55
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	5	82.650	142.246	D
75-71-8	Dichlorodifluoromethane (Freon12)	5	0.54000	2.670	UD
74-87-3	Chloromethane	5	0.62000	1.281	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	5	0.48850	3.415	UD
75-01-4	Vinyl chloride	5	0.69000	1.764	UD
106-99-0	1,3-Butadiene	5	0.93000	2.054	UD
74-83-9	Bromomethane	5	0.74500	2.892	UD
75-00-3	Chloroethane	5	0.79000	2.084	UD
67-64-1	Acetone	5	165.40	393.036	D
75-69-4	Trichlorofluoromethane (Freon 11)	5	0.98500	5.535	UD
64-17-5	Ethanol	5	50.350	94.934	D
75-35-4	1,1-Dichloroethene	5	0.62000	2.460	UD
75-09-2	Methylene chloride	5	0.55000	1.910	UD
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5	0.87000	6.668	UD
75-15-0	Carbon disulfide	5	0.48600	1.513	UD
156-60-5	trans-1,2-Dichloroethene	5	0.34950	1.386	UD
75-34-3	1,1-Dichloroethane	5	0.83000	3.361	UD
1634-04-4	Methyl tert-butyl ether	5	0.54000	1.948	UD
67-63-0	Isopropyl alcohol	5	0.46150	1.133	UD
78-93-3	2-Butanone (MEK)	5	262.00	772.605	D
156-59-2	cis-1,2-Dichloroethene	5	0.60500	2.399	UD
110-54-3	Hexane	5	3.5500	12.516	D
141-78-6	Ethyl acetate	5	0.77000	2.775	UD
67-66-3	Chloroform	5	1.1050	5.378	UD
109-99-9	Tetrahydrofuran	5	0.96000	2.831	UD
107-06-2	1,2-Dichloroethane	5	1.2450	5.041	UD
71-55-6	1,1,1-Trichloroethane	5	3.2000	17.459	D
71-43-2	Benzene	5	1.7000	5.423	JD
56-23-5	Carbon tetrachloride	5	1.1050	6.951	UD
110-82-7	Cyclohexane	5	0.56500	1.945	UD
78-87-5	1,2-Dichloropropane	5	0.71500	3.304	UD
75-27-4	Bromodichloromethane	5	0.95000	6.364	UD
79-01-6	Trichloroethene	5	0.76500	4.111	UD
142-82-5	n-Heptane	5	2.2000	9.016	JD
108-10-1	4-Methyl-2-pentanone (MIBK)	5	1.6950	6.946	UD
10061-01-5	cis-1,3-Dichloropropene	5	0.67000	3.042	UD
10061-02-6	trans-1,3-Dichloropropene	5	0.58000	2.633	UD
79-00-5	1,1,2-Trichloroethane	5	0.80000	4.365	UD
108-88-3	Toluene	5	10.250	38.569	D

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130173-SV33-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-08	File ID:	A28221.D
Sampled:	04/23/08 10:25	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 17:55
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	5	31.500	129.092	D
124-48-1	Dibromochloromethane	5	0.71000	6.049	UD
106-93-4	1,2-Dibromoethane (EDB)	5	0.84000	6.455	UD
127-18-4	Tetrachloroethene	5	28.400	192.586	D
108-90-7	Chlorobenzene	5	0.74500	3.431	UD
100-41-4	Ethylbenzene	5	2.4000	10.405	JD
1330-20-7	m,p-Xylene	5	9.5500	41.403	D
75-25-2	Bromoform	5	0.95000	9.819	UD
100-42-5	Styrene	5	0.79500	3.382	UD
95-47-6	o-Xylene	5	2.4500	10.622	JD
79-34-5	1,1,2,2-Tetrachloroethane	5	1.2650	8.687	UD
108-67-8	1,3,5-Trimethylbenzene	5	0.88000	4.326	UD
622-96-8	4-Ethyltoluene	5	0.58500	2.876	UD
95-63-6	1,2,4-Trimethylbenzene	5	2.4500	12.045	JD
541-73-1	1,3-Dichlorobenzene	5	0.75000	4.509	UD
100-44-7	Benzyl chloride	5	0.87000	4.483	UD
106-46-7	1,4-Dichlorobenzene	5	0.71500	4.299	UD
95-50-1	1,2-Dichlorobenzene	5	0.66000	3.968	UD
120-82-1	1,2,4-Trichlorobenzene	5	1.1150	8.277	UD
87-68-3	Hexachlorobutadiene	5	2.0550	21.912	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.9000	99	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1390930	10.11	1260030	10.1	
1,4-Difluorobenzene	7313205	12.32	6534647	12.31	
Chlorobenzene-d5	3756175	17.89	3365845	17.88	

* Values outside of QC limits

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130173-SV4-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-09	File ID:	A28222.D
Sampled:	04/23/08 10:35	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 18:36
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	4	51.680	88.945	D
75-71-8	Dichlorodifluoromethane (Freon12)	4	0.43200	2.136	UD
74-87-3	Chloromethane	4	0.49600	1.024	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	4	0.39080	2.732	UD
75-01-4	Vinyl chloride	4	0.55200	1.411	UD
106-99-0	1,3-Butadiene	4	0.74400	1.643	UD
74-83-9	Bromomethane	4	0.59600	2.313	UD
75-00-3	Chloroethane	4	0.63200	1.667	UD
67-64-1	Acetone	4	100.16	238.008	D
75-69-4	Trichlorofluoromethane (Freon 11)	4	0.78800	4.428	UD
64-17-5	Ethanol	4	33.160	62.523	D
75-35-4	1,1-Dichloroethene	4	0.49600	1.968	UD
75-09-2	Methylene chloride	4	0.44000	1.528	UD
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4	0.69600	5.335	UD
75-15-0	Carbon disulfide	4	0.38880	1.210	UD
156-60-5	trans-1,2-Dichloroethene	4	0.27960	1.109	UD
75-34-3	1,1-Dichloroethane	4	0.66400	2.689	UD
1634-04-4	Methyl tert-butyl ether	4	0.43200	1.558	UD
67-63-0	Isopropyl alcohol	4	4.7200	11.583	D
78-93-3	2-Butanone (MEK)	4	160.12	472.174	D
156-59-2	cis-1,2-Dichloroethene	4	0.48400	1.919	UD
110-54-3	Hexane	4	0.36920	1.302	UD
141-78-6	Ethyl acetate	4	0.61600	2.220	UD
67-66-3	Chloroform	4	0.88400	4.302	UD
109-99-9	Tetrahydrofuran	4	0.76800	2.265	UD
107-06-2	1,2-Dichloroethane	4	0.99600	4.033	UD
71-55-6	1,1,1-Trichloroethane	4	0.52000	2.837	UD
71-43-2	Benzene	4	1.4400	4.594	JD
56-23-5	Carbon tetrachloride	4	0.88400	5.561	UD
110-82-7	Cyclohexane	4	0.45200	1.556	UD
78-87-5	1,2-Dichloropropane	4	0.57200	2.644	UD
75-27-4	Bromodichloromethane	4	0.76000	5.092	UD
79-01-6	Trichloroethene	4	0.61200	3.289	UD
142-82-5	n-Heptane	4	2.1200	8.688	D
108-10-1	4-Methyl-2-pentanone (MIBK)	4	1.3560	5.557	UD
10061-01-5	cis-1,3-Dichloropropene	4	0.53600	2.433	UD
10061-02-6	trans-1,3-Dichloropropene	4	0.46400	2.107	UD
79-00-5	1,1,2-Trichloroethane	4	0.64000	3.492	UD
108-88-3	Toluene	4	7.8000	29.350	D

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130173-SV4-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-09	File ID:	A28222.D
Sampled:	04/23/08 10:35	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 18:36
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	4	23.920	98.028	D
124-48-1	Dibromochloromethane	4	0.56800	4.839	UD
106-93-4	1,2-Dibromoethane (EDB)	4	0.67200	5.164	UD
127-18-4	Tetrachloroethene	4	2.6400	17.902	D
108-90-7	Chlorobenzene	4	0.59600	2.745	UD
100-41-4	Ethylbenzene	4	1.8800	8.151	JD
1330-20-7	m,p-Xylene	4	7.3600	31.908	D
75-25-2	Bromoform	4	0.76000	7.855	UD
100-42-5	Styrene	4	0.63600	2.705	UD
95-47-6	o-Xylene	4	1.7600	7.630	JD
79-34-5	1,1,2,2-Tetrachloroethane	4	1.0120	6.949	UD
108-67-8	1,3,5-Trimethylbenzene	4	0.70400	3.461	UD
622-96-8	4-Ethyltoluene	4	0.46800	2.301	UD
95-63-6	1,2,4-Trimethylbenzene	4	0.57600	2.832	UD
541-73-1	1,3-Dichlorobenzene	4	0.60000	3.607	UD
100-44-7	Benzyl chloride	4	0.69600	3.587	UD
106-46-7	1,4-Dichlorobenzene	4	0.57200	3.439	UD
95-50-1	1,2-Dichlorobenzene	4	0.52800	3.174	UD
120-82-1	1,2,4-Trichlorobenzene	4	0.89200	6.622	UD
87-68-3	Hexachlorobutadiene	4	1.6440	17.529	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.8100	98	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1383292	10.11	1260030	10.1	
1,4-Difluorobenzene	7268210	12.32	6534647	12.31	
Chlorobenzene-d5	3783048	17.89	3365845	17.88	

* Values outside of QC limits

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130173-SV4-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-10	File ID:	A28223.D
Sampled:	04/23/08 12:05	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 19:17
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	5	73.550	126.584	D
75-71-8	Dichlorodifluoromethane (Freon12)	5	0.54000	2.670	UD
74-87-3	Chloromethane	5	0.62000	1.281	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	5	0.48850	3.415	UD
75-01-4	Vinyl chloride	5	0.69000	1.764	UD
106-99-0	1,3-Butadiene	5	0.93000	2.054	UD
74-83-9	Bromomethane	5	0.74500	2.892	UD
75-00-3	Chloroethane	5	0.79000	2.084	UD
67-64-1	Acetone	5	197.10	468.364	D
75-69-4	Trichlorofluoromethane (Freon 11)	5	0.98500	5.535	UD
64-17-5	Ethanol	5	43.000	81.076	D
75-35-4	1,1-Dichloroethene	5	0.62000	2.460	UD
75-09-2	Methylene chloride	5	0.55000	1.910	UD
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5	0.87000	6.668	UD
75-15-0	Carbon disulfide	5	0.48600	1.513	UD
156-60-5	trans-1,2-Dichloroethene	5	0.34950	1.386	UD
75-34-3	1,1-Dichloroethane	5	0.83000	3.361	UD
1634-04-4	Methyl tert-butyl ether	5	0.54000	1.948	UD
67-63-0	Isopropyl alcohol	5	2.4000	5.890	JD
78-93-3	2-Butanone (MEK)	5	208.75	615.578	D
156-59-2	cis-1,2-Dichloroethene	5	0.60500	2.399	UD
110-54-3	Hexane	5	0.46150	1.627	UD
141-78-6	Ethyl acetate	5	0.77000	2.775	UD
67-66-3	Chloroform	5	1.1050	5.378	UD
109-99-9	Tetrahydrofuran	5	1.8000	5.308	JD
107-06-2	1,2-Dichloroethane	5	1.2450	5.041	UD
71-55-6	1,1,1-Trichloroethane	5	0.65000	3.546	UD
71-43-2	Benzene	5	2.5000	7.975	D
56-23-5	Carbon tetrachloride	5	1.1050	6.951	UD
110-82-7	Cyclohexane	5	2.2000	7.573	JD
78-87-5	1,2-Dichloropropane	5	0.71500	3.304	UD
75-27-4	Bromodichloromethane	5	0.95000	6.364	UD
79-01-6	Trichloroethene	5	0.76500	4.111	UD
142-82-5	n-Heptane	5	10.450	42.826	D
108-10-1	4-Methyl-2-pentanone (MIBK)	5	1.6950	6.946	UD
10061-01-5	cis-1,3-Dichloropropene	5	0.67000	3.042	UD
10061-02-6	trans-1,3-Dichloropropene	5	0.58000	2.633	UD
79-00-5	1,1,2-Trichloroethane	5	0.80000	4.365	UD
108-88-3	Toluene	5	31.800	119.656	D

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130173-SV4-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-10	File ID:	A28223.D
Sampled:	04/23/08 12:05	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 19:17
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	5	28.300	115.978	D
124-48-1	Dibromochloromethane	5	0.71000	6.049	UD
106-93-4	1,2-Dibromoethane (EDB)	5	0.84000	6.455	UD
127-18-4	Tetrachloroethene	5	4.6500	31.533	D
108-90-7	Chlorobenzene	5	0.74500	3.431	UD
100-41-4	Ethylbenzene	5	2.8000	12.139	D
1330-20-7	m,p-Xylene	5	10.300	44.654	D
75-25-2	Bromoform	5	0.95000	9.819	UD
100-42-5	Styrene	5	0.79500	3.382	UD
95-47-6	o-Xylene	5	2.7000	11.706	D
79-34-5	1,1,2,2-Tetrachloroethane	5	1.2650	8.687	UD
108-67-8	1,3,5-Trimethylbenzene	5	0.88000	4.326	UD
622-96-8	4-Ethyltoluene	5	0.58500	2.876	UD
95-63-6	1,2,4-Trimethylbenzene	5	2.5500	12.536	D
541-73-1	1,3-Dichlorobenzene	5	0.75000	4.509	UD
100-44-7	Benzyl chloride	5	0.87000	4.483	UD
106-46-7	1,4-Dichlorobenzene	5	0.71500	4.299	UD
95-50-1	1,2-Dichlorobenzene	5	0.66000	3.968	UD
120-82-1	1,2,4-Trichlorobenzene	5	1.1150	8.277	UD
87-68-3	Hexachlorobutadiene	5	2.0550	21.912	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.8500	98	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1427020	10.11	1260030	10.1	
1,4-Difluorobenzene	7498219	12.32	6534647	12.31	
Chlorobenzene-d5	3877821	17.89	3365845	17.88	

* Values outside of QC limits

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130173-SV5-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-11	File ID:	A28224.D
Sampled:	04/23/08 10:45	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 19:58
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	5	83.350	143.451	D
75-71-8	Dichlorodifluoromethane (Freon12)	5	0.54000	2.670	UD
74-87-3	Chloromethane	5	0.62000	1.281	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	5	0.48850	3.415	UD
75-01-4	Vinyl chloride	5	0.69000	1.764	UD
106-99-0	1,3-Butadiene	5	0.93000	2.054	UD
74-83-9	Bromomethane	5	0.74500	2.892	UD
75-00-3	Chloroethane	5	0.79000	2.084	UD
67-64-1	Acetone	5	201.20	478.107	D
75-69-4	Trichlorofluoromethane (Freon 11)	5	0.98500	5.535	UD
64-17-5	Ethanol	5	73.650	138.866	D
75-35-4	1,1-Dichloroethene	5	0.62000	2.460	UD
75-09-2	Methylene chloride	5	0.55000	1.910	UD
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5	0.87000	6.668	UD
75-15-0	Carbon disulfide	5	0.48600	1.513	UD
156-60-5	trans-1,2-Dichloroethene	5	0.34950	1.386	UD
75-34-3	1,1-Dichloroethane	5	0.83000	3.361	UD
1634-04-4	Methyl tert-butyl ether	5	0.54000	1.948	UD
67-63-0	Isopropyl alcohol	5	1.6500	4.049	JD
78-93-3	2-Butanone (MEK)	5	385.75	1,137.529	D
156-59-2	cis-1,2-Dichloroethene	5	0.60500	2.399	UD
110-54-3	Hexane	5	0.46150	1.627	UD
141-78-6	Ethyl acetate	5	0.77000	2.775	UD
67-66-3	Chloroform	5	1.1050	5.378	UD
109-99-9	Tetrahydrofuran	5	0.96000	2.831	UD
107-06-2	1,2-Dichloroethane	5	1.2450	5.041	UD
71-55-6	1,1,1-Trichloroethane	5	0.65000	3.546	UD
71-43-2	Benzene	5	0.62000	1.978	UD
56-23-5	Carbon tetrachloride	5	1.1050	6.951	UD
110-82-7	Cyclohexane	5	0.56500	1.945	UD
78-87-5	1,2-Dichloropropane	5	0.71500	3.304	UD
75-27-4	Bromodichloromethane	5	0.95000	6.364	UD
79-01-6	Trichloroethene	5	0.76500	4.111	UD
142-82-5	n-Heptane	5	1.7000	6.967	JD
108-10-1	4-Methyl-2-pentanone (MIBK)	5	1.6950	6.946	UD
10061-01-5	cis-1,3-Dichloropropene	5	0.67000	3.042	UD
10061-02-6	trans-1,3-Dichloropropene	5	0.58000	2.633	UD
79-00-5	1,1,2-Trichloroethane	5	0.80000	4.365	UD
108-88-3	Toluene	5	10.900	41.014	D

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130173-SV5-8

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-11	File ID:	A28224.D
Sampled:	04/23/08 10:45	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 19:58
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	5	55.700	228.267	D
124-48-1	Dibromochloromethane	5	0.71000	6.049	UD
106-93-4	1,2-Dibromoethane (EDB)	5	0.84000	6.455	UD
127-18-4	Tetrachloroethene	5	3.6000	24.412	D
108-90-7	Chlorobenzene	5	0.74500	3.431	UD
100-41-4	Ethylbenzene	5	3.1500	13.656	D
1330-20-7	m,p-Xylene	5	14.150	61.346	D
75-25-2	Bromoform	5	0.95000	9.819	UD
100-42-5	Styrene	5	0.79500	3.382	UD
95-47-6	o-Xylene	5	3.8500	16.691	D
79-34-5	1,1,2,2-Tetrachloroethane	5	1.2650	8.687	UD
108-67-8	1,3,5-Trimethylbenzene	5	1.7500	8.603	JD
622-96-8	4-Ethyltoluene	5	0.58500	2.876	UD
95-63-6	1,2,4-Trimethylbenzene	5	4.9500	24.335	D
541-73-1	1,3-Dichlorobenzene	5	0.75000	4.509	UD
100-44-7	Benzyl chloride	5	0.87000	4.483	UD
106-46-7	1,4-Dichlorobenzene	5	0.71500	4.299	UD
95-50-1	1,2-Dichlorobenzene	5	0.66000	3.968	UD
120-82-1	1,2,4-Trichlorobenzene	5	1.1150	8.277	UD
87-68-3	Hexachlorobutadiene	5	2.0550	21.912	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.8600	99	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1385533	10.11	1260030	10.1	
1,4-Difluorobenzene	7248289	12.32	6534647	12.31	
Chlorobenzene-d5	3736667	17.89	3365845	17.88	

* Values outside of QC limits

FORM I - AIR ANALYSIS DATA SHEET
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130173-SV5-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-12	File ID:	A28225.D
Sampled:	04/23/08 10:55	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 20:39
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
115-07-1	Propene	5	54.900	94.486	D
75-71-8	Dichlorodifluoromethane (Freon12)	5	0.54000	2.670	UD
74-87-3	Chloromethane	5	0.62000	1.281	UD
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	5	0.48850	3.415	UD
75-01-4	Vinyl chloride	5	0.69000	1.764	UD
106-99-0	1,3-Butadiene	5	0.93000	2.054	UD
74-83-9	Bromomethane	5	0.74500	2.892	UD
75-00-3	Chloroethane	5	0.79000	2.084	UD
67-64-1	Acetone	5	127.65	303.332	D
75-69-4	Trichlorofluoromethane (Freon 11)	5	0.98500	5.535	UD
64-17-5	Ethanol	5	36.050	67.972	D
75-35-4	1,1-Dichloroethene	5	0.62000	2.460	UD
75-09-2	Methylene chloride	5	0.55000	1.910	UD
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5	7.4500	57.101	D
75-15-0	Carbon disulfide	5	0.48600	1.513	UD
156-60-5	trans-1,2-Dichloroethene	5	0.34950	1.386	UD
75-34-3	1,1-Dichloroethane	5	0.83000	3.361	UD
1634-04-4	Methyl tert-butyl ether	5	0.54000	1.948	UD
67-63-0	Isopropyl alcohol	5	0.46150	1.133	UD
78-93-3	2-Butanone (MEK)	5	216.75	639.169	D
156-59-2	cis-1,2-Dichloroethene	5	0.60500	2.399	UD
110-54-3	Hexane	5	4.6500	16.394	D
141-78-6	Ethyl acetate	5	0.77000	2.775	UD
67-66-3	Chloroform	5	1.1050	5.378	UD
109-99-9	Tetrahydrofuran	5	2.4500	7.225	JD
107-06-2	1,2-Dichloroethane	5	1.2450	5.041	UD
71-55-6	1,1,1-Trichloroethane	5	0.65000	3.546	UD
71-43-2	Benzene	5	2.2500	7.178	JD
56-23-5	Carbon tetrachloride	5	1.1050	6.951	UD
110-82-7	Cyclohexane	5	0.56500	1.945	UD
78-87-5	1,2-Dichloropropane	5	0.71500	3.304	UD
75-27-4	Bromodichloromethane	5	1.5500	10.384	JD
79-01-6	Trichloroethene	5	0.76500	4.111	UD
142-82-5	n-Heptane	5	2.5500	10.450	D
108-10-1	4-Methyl-2-pentanone (MIBK)	5	1.6950	6.946	UD
10061-01-5	cis-1,3-Dichloropropene	5	0.67000	3.042	UD
10061-02-6	trans-1,3-Dichloropropene	5	0.58000	2.633	UD
79-00-5	1,1,2-Trichloroethane	5	0.80000	4.365	UD
108-88-3	Toluene	5	11.650	43.836	D

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130173-SV5-55

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-12	File ID:	A28225.D
Sampled:	04/23/08 10:55	Prepared:	04/29/08 00:00	Analyzed:	04/29/08 20:39
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050045	Sequence:	S805480	Calibration:	0804025
Instrument:	Air1				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	5	27.950	114.544	D
124-48-1	Dibromochloromethane	5	0.71000	6.049	UD
106-93-4	1,2-Dibromoethane (EDB)	5	0.84000	6.455	UD
127-18-4	Tetrachloroethene	5	4.2500	28.820	D
108-90-7	Chlorobenzene	5	0.74500	3.431	UD
100-41-4	Ethylbenzene	5	2.3000	9.971	JD
1330-20-7	m,p-Xylene	5	8.8500	38.368	D
75-25-2	Bromoform	5	0.95000	9.819	UD
100-42-5	Styrene	5	0.79500	3.382	UD
95-47-6	o-Xylene	5	2.2000	9.538	JD
79-34-5	1,1,2,2-Tetrachloroethane	5	1.2650	8.687	UD
108-67-8	1,3,5-Trimethylbenzene	5	0.88000	4.326	UD
622-96-8	4-Ethyltoluene	5	0.58500	2.876	UD
95-63-6	1,2,4-Trimethylbenzene	5	0.72000	3.540	UD
541-73-1	1,3-Dichlorobenzene	5	0.75000	4.509	UD
100-44-7	Benzyl chloride	5	0.87000	4.483	UD
106-46-7	1,4-Dichlorobenzene	5	0.71500	4.299	UD
95-50-1	1,2-Dichlorobenzene	5	0.66000	3.968	UD
120-82-1	1,2,4-Trichlorobenzene	5	1.1150	8.277	UD
87-68-3	Hexachlorobutadiene	5	2.0550	21.912	UD

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.7700	98	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1391678	10.11	1260030	10.1	
1,4-Difluorobenzene	7319803	12.32	6534647	12.31	
Chlorobenzene-d5	3814931	17.89	3365845	17.88	

* Values outside of QC limits

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130173-TB

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-13	File ID:	C01661.D
Sampled:	04/23/08 08:00	Prepared:	05/02/08 00:00	Analyzed:	05/02/08 16:35
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050314	Sequence:	S805711	Calibration:	0805013
Instrument:	Air4				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
71-55-6	1,1,1-Trichloroethane	1	0.0256	0.140	U
115-07-1	Propene	1	0.0564	0.097	U
75-71-8	Dichlorodifluoromethane (Freon12)	1	0.0717	0.355	U
74-87-3	Chloromethane	1	0.0724	0.150	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	1	0.0538	0.376	U
75-01-4	Vinyl chloride	1	0.0645	0.165	U
106-99-0	1,3-Butadiene	1	0.0469	0.104	U
74-83-9	Bromomethane	1	0.0596	0.231	U
75-00-3	Chloroethane	1	0.0422	0.111	U
67-64-1	Acetone	1	0.0900	0.214	J
75-69-4	Trichlorofluoromethane (Freon 11)	1	0.0697	0.392	U
64-17-5	Ethanol	1	0.105	0.198	U
75-35-4	1,1-Dichloroethene	1	0.0282	0.112	U
75-09-2	Methylene chloride	1	0.0282	0.098	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	0.0433	0.332	U
75-15-0	Carbon disulfide	1	0.0298	0.093	U
156-60-5	trans-1,2-Dichloroethene	1	0.0168	0.067	U
75-34-3	1,1-Dichloroethane	1	0.0237	0.096	U
1634-04-4	Methyl tert-butyl ether	1	0.0422	0.152	U
67-63-0	Isopropyl alcohol	1	0.0849	0.208	U
78-93-3	2-Butanone (MEK)	1	0.0503	0.148	U
156-59-2	cis-1,2-Dichloroethene	1	0.0216	0.086	U
110-54-3	Hexane	1	0.0168	0.059	U
141-78-6	Ethyl acetate	1	0.0459	0.165	U
67-66-3	Chloroform	1	0.0298	0.145	U
109-99-9	Tetrahydrofuran	1	0.0564	0.166	U
107-06-2	1,2-Dichloroethane	1	0.0153	0.062	U
71-43-2	Benzene	1	0.0168	0.054	U
56-23-5	Carbon tetrachloride	1	0.0355	0.223	U
110-82-7	Cyclohexane	1	0.0247	0.085	U
78-87-5	1,2-Dichloropropane	1	0.0393	0.182	U
75-27-4	Bromodichloromethane	1	0.0282	0.189	U
79-01-6	Trichloroethene	1	0.0298	0.160	U
142-82-5	n-Heptane	1	0.0422	0.173	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1	0.0838	0.343	U
10061-01-5	cis-1,3-Dichloropropene	1	0.0584	0.265	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0525	0.238	U
79-00-5	1,1,2-Trichloroethane	1	0.0355	0.194	U
108-88-3	Toluene	1	0.0568	0.214	U

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130173-TB

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Project Number:	G0576			Received:	04/24/08 20:30
Matrix:	Air	Laboratory ID:	SA77688-13	File ID:	C01661.D
Sampled:	04/23/08 08:00	Prepared:	05/02/08 00:00	Analyzed:	05/02/08 16:35
% Solids:		Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Batch:	8050314	Sequence:	S805711	Calibration:	0805013
Instrument:	Air4				

CAS NO.	COMPOUND	DILUTION	CONC. (ppbv)	CONC. (ug/m3)	Q
591-78-6	2-Hexanone (MBK)	1	0.0900	0.369	U
124-48-1	Dibromochloromethane	1	0.0237	0.202	U
106-93-4	1,2-Dibromoethane (EDB)	1	0.0493	0.379	U
127-18-4	Tetrachloroethene	1	0.0433	0.294	U
108-90-7	Chlorobenzene	1	0.0469	0.216	U
100-41-4	Ethylbenzene	1	0.0677	0.294	U
1330-20-7	m,p-Xylene	1	0.0674	0.292	U
75-25-2	Bromoform	1	0.0355	0.367	U
100-42-5	Styrene	1	0.0694	0.295	U
95-47-6	o-Xylene	1	0.0733	0.318	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0762	0.523	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0865	0.425	U
622-96-8	4-Ethyltoluene	1	0.0886	0.436	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0777	0.382	U
541-73-1	1,3-Dichlorobenzene	1	0.0701	0.421	U
100-44-7	Benzyl chloride	1	0.0786	0.405	U
106-46-7	1,4-Dichlorobenzene	1	0.0806	0.485	U
95-50-1	1,2-Dichlorobenzene	1	0.0786	0.473	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0955	0.709	U
87-68-3	Hexachlorobutadiene	1	0.0755	0.805	U

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.75	98	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	698148	10.39	903506	10.386	
1,4-Difluorobenzene	3818162	12.605	5083441	12.599	
Chlorobenzene-d5	1637956	18.172	2375040	18.17	

* Values outside of QC limits

FORM II - SURROGATE STANDARD RECOVERY AND RT SUMMARY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Sequence:	S805480	Instrument:	Air1
Matrix:	Air	Calibration:	0804025

Surrogate Compound	Spike Level ppbv	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (S805480-CCV1)			Lab File ID: A28210.D		Analyzed: 04/29/08 07:52			
4-Bromofluorobenzene	10.0	100	70 - 130	20.11	20.12	-0.0100	+/-1.00	
* Values outside of QC limits								
LCS (8050045-BS1)			Lab File ID: A28211.D		Analyzed: 04/29/08 08:40			
4-Bromofluorobenzene	10.0	100	70 - 130	20.12	20.12	0.0000	+/-1.00	
* Values outside of QC limits								
Blank (8050045-BLK1)			Lab File ID: A28212.D		Analyzed: 04/29/08 10:24			
4-Bromofluorobenzene	10.0	98	70 - 130	20.12	20.12	0.0000	+/-1.00	
* Values outside of QC limits								
130173-SV1-55 (SA77688-02)			Lab File ID: A28214.D		Analyzed: 04/29/08 12:09			
4-Bromofluorobenzene	10.0	100	70 - 130	20.12	20.12	0.0000	+/-1.00	
* Values outside of QC limits								
Duplicate (8050045-DUP1)			Lab File ID: A28215.D		Analyzed: 04/29/08 12:50			
4-Bromofluorobenzene	10.0	99	70 - 130	20.12	20.12	0.0000	+/-1.00	
* Values outside of QC limits								
130173-SV1-8 (SA77688-01)			Lab File ID: A28216.D		Analyzed: 04/29/08 14:30			
4-Bromofluorobenzene	10.0	100	70 - 130	20.11	20.12	-0.0100	+/-1.00	
* Values outside of QC limits								
130173-SV2-8 (SA77688-03)			Lab File ID: A28217.D		Analyzed: 04/29/08 15:11			
4-Bromofluorobenzene	10.0	99	70 - 130	20.13	20.12	0.0100	+/-1.00	
* Values outside of QC limits								
130173-SV2-55 (SA77688-04)			Lab File ID: A28218.D		Analyzed: 04/29/08 15:52			
4-Bromofluorobenzene	10.0	98	70 - 130	20.13	20.12	0.0100	+/-1.00	
* Values outside of QC limits								
130173-SV3-8 (SA77688-05)			Lab File ID: A28219.D		Analyzed: 04/29/08 16:33			
4-Bromofluorobenzene	10.0	99	70 - 130	20.12	20.12	0.0000	+/-1.00	
* Values outside of QC limits								
130173-SV3-55 (SA77688-07)			Lab File ID: A28220.D		Analyzed: 04/29/08 17:14			
4-Bromofluorobenzene	10.0	98	70 - 130	20.12	20.12	0.0000	+/-1.00	
* Values outside of QC limits								
130173-SV33-55 (SA77688-08)			Lab File ID: A28221.D		Analyzed: 04/29/08 17:55			
4-Bromofluorobenzene	10.0	99	70 - 130	20.12	20.12	0.0000	+/-1.00	
* Values outside of QC limits								
130173-SV4-8 (SA77688-09)			Lab File ID: A28222.D		Analyzed: 04/29/08 18:36			
4-Bromofluorobenzene	10.0	98	70 - 130	20.12	20.12	0.0000	+/-1.00	
* Values outside of QC limits								

FORM II - SURROGATE STANDARD RECOVERY AND RT SUMMARY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Sequence:	S805480	Instrument:	Air1
Matrix:	Air	Calibration:	0804025
Spike ID:	7K29013		

Surrogate Compound	Spike Level ppbv	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
130173-SV4-55 (SA77688-10)			Lab File ID: A28223.D		Analyzed: 04/29/08 19:17			
4-Bromofluorobenzene	10.0	98	70 - 130	20.12	20.12	0.0000	+/-1.00	

* Values outside of QC limits

130173-SV5-8 (SA77688-11)			Lab File ID: A28224.D		Analyzed: 04/29/08 19:58			
4-Bromofluorobenzene	10.0	99	70 - 130	20.12	20.12	0.0000	+/-1.00	

* Values outside of QC limits

130173-SV5-55 (SA77688-12)			Lab File ID: A28225.D		Analyzed: 04/29/08 20:39			
4-Bromofluorobenzene	10.0	98	70 - 130	20.12	20.12	0.0000	+/-1.00	

* Values outside of QC limits

FORM II - SURROGATE STANDARD RECOVERY AND RT SUMMARY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Sequence:	S805711	Instrument:	Air4
Matrix:	Air	Calibration:	0805013

Surrogate Compound	Spike Level ppbv	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (S805711-CCV1)			Lab File ID: C01655.D		Analyzed: 05/02/08 08:09			
4-Bromofluorobenzene	10.0	100	70 - 130	20.399	20.4	-0.0010	+/-1.00	

* Values outside of QC limits

LCS (8050314-BS1)			Lab File ID: C01656.D		Analyzed: 05/02/08 09:47			
4-Bromofluorobenzene	10.0	103	70 - 130	20.398	20.4	-0.0020	+/-1.00	

* Values outside of QC limits

Blank (8050314-BLK1)			Lab File ID: C01659.D		Analyzed: 05/02/08 14:18			
4-Bromofluorobenzene	10.0	97	70 - 130	20.398	20.4	-0.0020	+/-1.00	

* Values outside of QC limits

130173-AA (SA77688-06)			Lab File ID: C01660.D		Analyzed: 05/02/08 15:44			
4-Bromofluorobenzene	10.0	97	70 - 130	20.397	20.4	-0.0030	+/-1.00	

* Values outside of QC limits

130173-TB (SA77688-13)			Lab File ID: C01661.D		Analyzed: 05/02/08 16:35			
4-Bromofluorobenzene	10.0	98	70 - 130	20.402	20.4	0.0020	+/-1.00	

* Values outside of QC limits

FORM IIIa(Organic)/FORM VII(Inorganic)- LCS / LCS DUPLICATE RECOVERY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Matrix:	Air	Instrument:	Air1
Batch:	8050045	Laboratory ID:	8050045-BS1
Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	04/29/08 08:40	Prepared:	04/29/08 00:00
		Spike ID:	8C05003

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
Propene	10.0	8.9500	90	70 - 130
Dichlorodifluoromethane (Freon12)	10.0	10.130	101	70 - 130
Chloromethane	10.0	8.9800	90	70 - 130
1,2-Dichlorotetrafluoroethane (Freon 114)	10.0	8.8600	89	70 - 130
Vinyl chloride	10.0	9.7000	97	70 - 130
1,3-Butadiene	10.0	9.8200	98	70 - 130
Bromomethane	10.0	10.920	109	70 - 130
Chloroethane	10.0	10.480	105	70 - 130
Acetone	10.0	7.4300	74	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.540	105	70 - 130
Ethanol	10.0	5.2500	52 *	74.4 - 130
1,1-Dichloroethene	10.0	8.3700	84	70 - 130
Methylene chloride	10.0	9.7100	97	70 - 130
1,1,2-Trichlorotrifluoroethane (Freon 113)	10.0	8.8500	88	70 - 130
Carbon disulfide	10.0	9.8300	98	70 - 130
trans-1,2-Dichloroethene	10.0	8.2000	82	70 - 130
1,1-Dichloroethane	10.0	8.3900	84	70 - 130
Methyl tert-butyl ether	10.0	8.9400	89	70 - 130
Isopropyl alcohol	10.0	7.1000	71	70 - 130
2-Butanone (MEK)	10.0	8.7200	87	70 - 130
cis-1,2-Dichloroethene	10.0	8.9100	89	70 - 130
Hexane	10.0	9.4800	95	70 - 130
Ethyl acetate	10.0	9.5400	95	70 - 130
Chloroform	10.0	9.6900	97	70 - 130
Tetrahydrofuran	10.0	7.4900	75	70 - 130
1,2-Dichloroethane	10.0	9.2500	92	70 - 130
1,1,1-Trichloroethane	10.0	8.9400	89	70 - 130
Benzene	10.0	9.2800	93	70 - 130
Carbon tetrachloride	10.0	9.1200	91	70 - 130

FORM IIIa(Organic)/FORM VII(Inorganic)- LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Matrix:	Air	Instrument:	Air1
Batch:	8050045	Laboratory ID:	8050045-BS1
Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	04/29/08 08:40	Prepared:	04/29/08 00:00
		Spike ID:	8C05003

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
Cyclohexane	10.0	9.6100	96	70 - 130
1,2-Dichloropropane	10.0	9.9700	100	70 - 130
Bromodichloromethane	10.0	10.530	105	70 - 130
Trichloroethene	10.0	9.8300	98	70 - 130
n-Heptane	10.0	9.8500	98	70 - 130
4-Methyl-2-pentanone (MIBK)	10.0	10.360	104	70 - 130
cis-1,3-Dichloropropene	10.0	9.4900	95	70 - 130
trans-1,3-Dichloropropene	10.0	8.6200	86	70 - 130
1,1,2-Trichloroethane	10.0	9.8100	98	70 - 130
Toluene	10.0	9.7000	97	70 - 130
2-Hexanone (MBK)	10.0	8.6900	87	70 - 130
Dibromochloromethane	10.0	10.110	101	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.8800	99	70 - 130
Tetrachloroethene	10.0	9.7200	97	70 - 130
Chlorobenzene	10.0	9.3900	94	70 - 130
Ethylbenzene	10.0	9.4200	94	70 - 130
m,p-Xylene	20.0	19.930	100	70 - 130
Bromoform	10.0	8.7700	88	70 - 130
Styrene	10.0	9.9100	99	70 - 130
o-Xylene	10.0	9.9000	99	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.8500	98	70 - 130
1,3,5-Trimethylbenzene	10.0	8.6100	86	70 - 130
4-Ethyltoluene	10.0	9.5600	96	70 - 130
1,2,4-Trimethylbenzene	10.0	9.2100	92	70 - 130
1,3-Dichlorobenzene	10.0	9.0400	90	70 - 130
Benzyl chloride	10.0	9.9100	99	70 - 130
1,4-Dichlorobenzene	10.0	8.6400	86	70 - 130
1,2-Dichlorobenzene	10.0	8.4200	84	70 - 130
1,2,4-Trichlorobenzene	10.0	7.4200	74	70 - 130

FORM IIIa(Organic)/FORM VII(Inorganic)- LCS / LCS DUPLICATE RECOVERY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Matrix:	Air	Instrument:	Air1
Batch:	8050045	Laboratory ID:	8050045-BS1
Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	04/29/08 08:40	Prepared:	04/29/08 00:00
		Spike ID:	8C05003

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
Hexachlorobutadiene	10.0	7.7600	78	70 - 130

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

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa(Organic)/FORM VII(Inorganic)- LCS / LCS DUPLICATE RECOVERY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Matrix:	Air	Instrument:	Air4
Batch:	8050314	Laboratory ID:	8050314-BS1
Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	05/02/08 09:47	Prepared:	05/02/08 00:00
		Spike ID:	8C06005

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
1,1,1-Trichloroethane	2.00	1.70	85	70 - 130
Propene	2.00	1.88	94	70 - 130
Dichlorodifluoromethane (Freon12)	2.00	2.24	112	70 - 130
Chloromethane	2.00	1.94	97	70 - 130
1,2-Dichlorotetrafluoroethane (Freon 114)	2.00	1.82	91	70 - 130
Vinyl chloride	2.00	2.20	110	70 - 130
1,3-Butadiene	2.00	2.27	114	70 - 130
Bromomethane	2.00	2.34	117	70 - 130
Chloroethane	2.00	2.19	110	70 - 130
Acetone	2.00	1.52	76	70 - 130
Trichlorofluoromethane (Freon 11)	2.00	1.98	99	70 - 130
Ethanol	2.00	1.67	84	70 - 178
1,1-Dichloroethene	2.00	1.57	78	70 - 130
Methylene chloride	2.00	1.69	84	70 - 130
1,1,2-Trichlorotrifluoroethane (Freon 113)	2.00	1.48	74	70 - 130
Carbon disulfide	2.00	1.78	89	70 - 130
trans-1,2-Dichloroethene	2.00	1.59	80	70 - 130
1,1-Dichloroethane	2.00	1.56	78	70 - 130
Methyl tert-butyl ether	2.00	2.22	111	70 - 130
Isopropyl alcohol	2.00	1.44	72	70 - 130
2-Butanone (MEK)	2.00	2.04	102	70 - 130
cis-1,2-Dichloroethene	2.00	1.78	89	70 - 130
Hexane	2.00	2.06	103	70 - 130
Ethyl acetate	2.00	1.90	95	70 - 130
Chloroform	2.00	1.71	86	70 - 130
Tetrahydrofuran	2.00	1.93	96	70 - 130
1,2-Dichloroethane	2.00	1.77	88	70 - 130
Benzene	2.00	1.89	94	70 - 130
Carbon tetrachloride	2.00	1.80	90	70 - 130

FORM IIIa(Organic)/FORM VII(Inorganic)- LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Matrix:	Air	Instrument:	Air4
Batch:	8050314	Laboratory ID:	8050314-BS1
Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	05/02/08 09:47	Prepared:	05/02/08 00:00
		Spike ID:	8C06005

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
Cyclohexane	2.00	1.78	89	70 - 130
1,2-Dichloropropane	2.00	1.82	91	70 - 130
Bromodichloromethane	2.00	1.82	91	70 - 130
Trichloroethene	2.00	1.93	96	70 - 130
n-Heptane	2.00	2.02	101	70 - 130
4-Methyl-2-pentanone (MIBK)	2.00	1.96	98	70 - 130
cis-1,3-Dichloropropene	2.00	1.98	99	70 - 130
trans-1,3-Dichloropropene	2.00	1.88	94	70 - 130
1,1,2-Trichloroethane	2.00	1.65	82	70 - 130
Toluene	2.00	2.03	102	70 - 130
2-Hexanone (MBK)	2.00	1.89	94	70 - 130
Dibromochloromethane	2.00	1.79	90	70 - 130
1,2-Dibromoethane (EDB)	2.00	1.72	86	70 - 130
Tetrachloroethene	2.00	2.06	103	70 - 130
Chlorobenzene	2.00	1.71	86	70 - 130
Ethylbenzene	2.00	2.11	106	70 - 130
m,p-Xylene	4.00	4.18	104	70 - 130
Bromoform	2.00	1.88	94	70 - 130
Styrene	2.00	2.19	110	70 - 130
o-Xylene	2.00	2.06	103	70 - 130
1,1,2,2-Tetrachloroethane	2.00	1.56	78	70 - 130
1,3,5-Trimethylbenzene	2.00	1.86	93	70 - 130
4-Ethyltoluene	2.00	1.92	96	70 - 130
1,2,4-Trimethylbenzene	2.00	1.89	94	70 - 130
1,3-Dichlorobenzene	2.00	1.62	81	70 - 130
Benzyl chloride	2.00	2.25	112	70 - 130
1,4-Dichlorobenzene	2.00	1.62	81	70 - 130
1,2-Dichlorobenzene	2.00	1.56	78	70 - 130
1,2,4-Trichlorobenzene	2.00	1.62	81	70 - 130

FORM IIIa(Organic)/FORM VII(Inorganic)- LCS / LCS DUPLICATE RECOVERY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Matrix:	Air	Instrument:	Air4
Batch:	8050314	Laboratory ID:	8050314-BS1
Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	05/02/08 09:47	Prepared:	05/02/08 00:00
		Spike ID:	8C06005

COMPOUND	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC. #	QC LIMITS REC.
Hexachlorobutadiene	2.00	1.52	76	70 - 130

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

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIc (Organic) / FORM VI (Inorganic) - DUPLICATES

130173-SV1-55

EPA TO-15

Laboratory: Spectrum Analytical, Inc. - Agawam, MA
SDG: 77688
Client: Mitkem Laboratories
Project: See Chain of Custody
Matrix: Air
Laboratory ID: 8050045-DUP1
Batch: 8050045
Lab Source ID: SA77688-02
Preparation: General Air Prep
Initial/Final: 200 ml / 200 ml
Source Sample Name: 130173-SV1-55
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ppbv)	C	DUPLICATE CONCENTRATION (ppbv)	C	RPD %	Q	METHOD
Propene	30	BRL		ND				EPA TO-15
Dichlorodifluoromethane (Freon12	30	BRL		ND				EPA TO-15
Chloromethane	30	BRL		ND				EPA TO-15
1,2-Dichlorotetrafluoroethane (Fre	30	BRL		ND				EPA TO-15
Vinyl chloride	30	BRL		ND				EPA TO-15
1,3-Butadiene	30	BRL		ND				EPA TO-15
Bromomethane	30	BRL		ND				EPA TO-15
Chloroethane	30	BRL		ND				EPA TO-15
Acetone	30	288.30		324.80		12		EPA TO-15
Trichlorofluoromethane (Freon 11)	30	BRL		ND				EPA TO-15
Ethanol	30	52.500		57.800		10		EPA TO-15
1,1-Dichloroethene	30	BRL		ND				EPA TO-15
Methylene chloride	30	3.0500		3.0000		2		EPA TO-15
1,1,2-Trichlorotrifluoroethane (Fre	30	BRL		ND				EPA TO-15
Carbon disulfide	30	BRL		ND				EPA TO-15
trans-1,2-Dichloroethene	30	BRL		ND				EPA TO-15
1,1-Dichloroethane	30	BRL		ND				EPA TO-15
Methyl tert-butyl ether	30	BRL		ND				EPA TO-15
Isopropyl alcohol	30	5.7000		5.8000		2		EPA TO-15
2-Butanone (MEK)	30	243.90		219.70		10		EPA TO-15
cis-1,2-Dichloroethene	30	BRL		ND				EPA TO-15
Hexane	30	8.9500		9.0500		1		EPA TO-15
Ethyl acetate	30	BRL		ND				EPA TO-15
Chloroform	30	BRL		ND				EPA TO-15
Tetrahydrofuran	30	1.7000		1.8500		8		EPA TO-15
1,2-Dichloroethane	30	BRL		ND				EPA TO-15
1,1,1-Trichloroethane	30	3.4500		3.4000		1		EPA TO-15
Benzene	30	3.5000		3.4500		1		EPA TO-15
Carbon tetrachloride	30	BRL		ND				EPA TO-15

FORM IIIc (Organic) / FORM VI (Inorganic) - DUPLICATES

130173-SV1-55

EPA TO-15

Laboratory: Spectrum Analytical, Inc. - Agawam, MA
SDG: 77688
Client: Mitkem Laboratories
Project: See Chain of Custody
Matrix: Air
Laboratory ID: 8050045-DUP1
Batch: 8050045
Lab Source ID: SA77688-02
Preparation: General Air Prep
Initial/Final: 200 ml / 200 ml
Source Sample Name: 130173-SV1-55
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ppbv)	C	DUPLICATE CONCENTRATION (ppbv)	C	RPD %	Q	METHOD
Cyclohexane	30	5.8000		5.9000		2		EPA TO-15
1,2-Dichloropropane	30	BRL		ND				EPA TO-15
Bromodichloromethane	30	BRL		ND				EPA TO-15
Trichloroethene	30	17.550		17.650		0.6		EPA TO-15
n-Heptane	30	25.550		25.450		0.4		EPA TO-15
4-Methyl-2-pentanone (MIBK)	30	BRL		ND				EPA TO-15
cis-1,3-Dichloropropene	30	BRL		ND				EPA TO-15
trans-1,3-Dichloropropene	30	BRL		ND				EPA TO-15
1,1,2-Trichloroethane	30	BRL		ND				EPA TO-15
Toluene	30	68.950		69.200		0.4		EPA TO-15
2-Hexanone (MBK)	30	24.000		23.800		0.8		EPA TO-15
Dibromochloromethane	30	BRL		ND				EPA TO-15
1,2-Dibromoethane (EDB)	30	BRL		ND				EPA TO-15
Tetrachloroethene	30	398.10		410.80		3		EPA TO-15
Chlorobenzene	30	BRL		ND				EPA TO-15
Ethylbenzene	30	4.0000		4.0000		0		EPA TO-15
m,p-Xylene	30	12.750		12.600		1		EPA TO-15
Bromoform	30	BRL		ND				EPA TO-15
Styrene	30	BRL		ND				EPA TO-15
o-Xylene	30	3.7000		3.7000		0		EPA TO-15
1,1,2,2-Tetrachloroethane	30	BRL		ND				EPA TO-15
1,3,5-Trimethylbenzene	30	BRL		ND				EPA TO-15
4-Ethyltoluene	30	BRL		ND				EPA TO-15
1,2,4-Trimethylbenzene	30	2.6500		2.6000		2		EPA TO-15
1,3-Dichlorobenzene	30	BRL		ND				EPA TO-15
Benzyl chloride	30	BRL		ND				EPA TO-15
1,4-Dichlorobenzene	30	BRL		ND				EPA TO-15
1,2-Dichlorobenzene	30	BRL		ND				EPA TO-15
1,2,4-Trichlorobenzene	30	BRL		ND				EPA TO-15

FORM IIIc (Organic) / FORM VI (Inorganic) - DUPLICATES

130173-SV1-55

EPA TO-15

Laboratory: Spectrum Analytical, Inc. - Agawam, MA
SDG: 77688
Client: Mitkem Laboratories
Project: See Chain of Custody
Matrix: Air
Laboratory ID: 8050045-DUP1
Batch: 8050045
Lab Source ID: SA77688-02
Preparation: General Air Prep
Initial/Final: 200 ml / 200 ml
Source Sample Name: 130173-SV1-55
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ppbv)	C	DUPLICATE CONCENTRATION (ppbv)	C	RPD %	Q	METHOD
Hexachlorobutadiene	30	BRL		ND				EPA TO-15

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IV - METHOD BLANK DATA SHEET
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Matrix:	Air	Laboratory ID:	8050045-BLK1	File ID:	A28212.D
Prepared:	04/29/08 00:00	Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	04/29/08 10:24	Instrument:	Air1		
Batch:	8050045	Sequence:	S805480	Calibration:	0804025

CAS NO.	COMPOUND	CONC. (ppbv)	Q
115-07-1	Propene	0.50000	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.50000	U
74-87-3	Chloromethane	0.50000	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	0.50000	U
75-01-4	Vinyl chloride	0.50000	U
106-99-0	1,3-Butadiene	0.50000	U
74-83-9	Bromomethane	0.50000	U
75-00-3	Chloroethane	0.50000	U
67-64-1	Acetone	0.50000	U
75-69-4	Trichlorofluoromethane (Freon 11)	0.50000	U
64-17-5	Ethanol	0.50000	U
75-35-4	1,1-Dichloroethene	0.50000	U
75-09-2	Methylene chloride	0.50000	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.50000	U
75-15-0	Carbon disulfide	0.50000	U
156-60-5	trans-1,2-Dichloroethene	0.50000	U
75-34-3	1,1-Dichloroethane	0.50000	U
1634-04-4	Methyl tert-butyl ether	0.50000	U
67-63-0	Isopropyl alcohol	0.50000	U
78-93-3	2-Butanone (MEK)	0.50000	U
156-59-2	cis-1,2-Dichloroethene	0.50000	U
110-54-3	Hexane	0.50000	U
141-78-6	Ethyl acetate	0.50000	U
67-66-3	Chloroform	0.50000	U
109-99-9	Tetrahydrofuran	0.50000	U
107-06-2	1,2-Dichloroethane	0.50000	U
71-55-6	1,1,1-Trichloroethane	0.50000	U
71-43-2	Benzene	0.50000	U
56-23-5	Carbon tetrachloride	0.50000	U
110-82-7	Cyclohexane	0.50000	U
78-87-5	1,2-Dichloropropane	0.50000	U

FORM IV - METHOD BLANK DATA SHEET
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Matrix:	Air	Laboratory ID:	8050045-BLK1	File ID:	A28212.D
Prepared:	04/29/08 00:00	Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	04/29/08 10:24	Instrument:	Air1		
Batch:	8050045	Sequence:	S805480	Calibration:	0804025

CAS NO.	COMPOUND	CONC. (ppbv)	Q
75-27-4	Bromodichloromethane	0.50000	U
79-01-6	Trichloroethene	0.50000	U
142-82-5	n-Heptane	0.50000	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50000	U
10061-01-5	cis-1,3-Dichloropropene	0.50000	U
10061-02-6	trans-1,3-Dichloropropene	0.50000	U
79-00-5	1,1,2-Trichloroethane	0.50000	U
108-88-3	Toluene	0.50000	U
591-78-6	2-Hexanone (MBK)	0.50000	U
124-48-1	Dibromochloromethane	0.50000	U
106-93-4	1,2-Dibromoethane (EDB)	0.50000	U
127-18-4	Tetrachloroethene	0.50000	U
108-90-7	Chlorobenzene	0.50000	U
100-41-4	Ethylbenzene	0.50000	U
1330-20-7	m,p-Xylene	1.0000	U
75-25-2	Bromoform	0.50000	U
100-42-5	Styrene	0.50000	U
95-47-6	o-Xylene	0.50000	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50000	U
108-67-8	1,3,5-Trimethylbenzene	0.50000	U
622-96-8	4-Ethyltoluene	0.50000	U
95-63-6	1,2,4-Trimethylbenzene	0.50000	U
541-73-1	1,3-Dichlorobenzene	0.50000	U
100-44-7	Benzyl chloride	0.50000	U
106-46-7	1,4-Dichlorobenzene	0.50000	U
95-50-1	1,2-Dichlorobenzene	0.50000	U
120-82-1	1,2,4-Trichlorobenzene	0.50000	U
87-68-3	Hexachlorobutadiene	0.50000	U

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.7800	98	70 - 130	

FORM IV - METHOD BLANK DATA SHEET
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA		SDG:	77688	
Client:	Mitkem Laboratories		Project:	See Chain of Custody	
Matrix:	Air	Laboratory ID:	8050045-BLK1	File ID:	A28212.D
Prepared:	04/29/08 00:00	Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	04/29/08 10:24	Instrument:	Air1		
Batch:	8050045	Sequence:	S805480	Calibration:	0804025

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	1382146	10.11	1260030	10.1	
1,4-Difluorobenzene	7168441	12.32	6534647	12.31	
Chlorobenzene-d5	3595022	17.89	3365845	17.88	

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IV - METHOD BLANK DATA SHEET
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Matrix:	Air	Laboratory ID:	8050314-BLK1	File ID:	C01659.D
Prepared:	05/02/08 00:00	Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	05/02/08 14:18	Instrument:	Air4		
Batch:	8050314	Sequence:	S805711	Calibration:	0805013

CAS NO.	COMPOUND	CONC. (ppbv)	Q
71-55-6	1,1,1-Trichloroethane	0.100	U
115-07-1	Propene	0.100	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.100	U
74-87-3	Chloromethane	0.100	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	0.100	U
75-01-4	Vinyl chloride	0.100	U
106-99-0	1,3-Butadiene	0.100	U
74-83-9	Bromomethane	0.100	U
75-00-3	Chloroethane	0.100	U
67-64-1	Acetone	0.500	U
75-69-4	Trichlorofluoromethane (Freon 11)	0.100	U
64-17-5	Ethanol	0.500	U
75-35-4	1,1-Dichloroethene	0.100	U
75-09-2	Methylene chloride	0.100	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.100	U
75-15-0	Carbon disulfide	0.500	U
156-60-5	trans-1,2-Dichloroethene	0.100	U
75-34-3	1,1-Dichloroethane	0.100	U
1634-04-4	Methyl tert-butyl ether	0.100	U
67-63-0	Isopropyl alcohol	0.500	U
78-93-3	2-Butanone (MEK)	0.100	U
156-59-2	cis-1,2-Dichloroethene	0.100	U
110-54-3	Hexane	0.100	U
141-78-6	Ethyl acetate	0.100	U
67-66-3	Chloroform	0.100	U
109-99-9	Tetrahydrofuran	0.100	U
107-06-2	1,2-Dichloroethane	0.100	U
71-43-2	Benzene	0.100	U
56-23-5	Carbon tetrachloride	0.100	U
110-82-7	Cyclohexane	0.100	U
78-87-5	1,2-Dichloropropane	0.100	U

FORM IV - METHOD BLANK DATA SHEET
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA		SDG:	77688	
Client:	Mitkem Laboratories		Project:	See Chain of Custody	
Matrix:	Air	Laboratory ID:	8050314-BLK1	File ID:	C01659.D
Prepared:	05/02/08 00:00	Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	05/02/08 14:18	Instrument:	Air4		
Batch:	8050314	Sequence:	S805711	Calibration:	0805013

CAS NO.	COMPOUND	CONC. (ppbv)	Q
75-27-4	Bromodichloromethane	0.100	U
79-01-6	Trichloroethene	0.100	U
142-82-5	n-Heptane	0.100	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.100	U
10061-01-5	cis-1,3-Dichloropropene	0.100	U
10061-02-6	trans-1,3-Dichloropropene	0.100	U
79-00-5	1,1,2-Trichloroethane	0.100	U
108-88-3	Toluene	0.100	U
591-78-6	2-Hexanone (MBK)	0.100	U
124-48-1	Dibromochloromethane	0.100	U
106-93-4	1,2-Dibromoethane (EDB)	0.100	U
127-18-4	Tetrachloroethene	0.100	U
108-90-7	Chlorobenzene	0.100	U
100-41-4	Ethylbenzene	0.100	U
1330-20-7	m,p-Xylene	0.100	U
75-25-2	Bromoform	0.100	U
100-42-5	Styrene	0.100	U
95-47-6	o-Xylene	0.100	U
79-34-5	1,1,2,2-Tetrachloroethane	0.100	U
108-67-8	1,3,5-Trimethylbenzene	0.100	U
622-96-8	4-Ethyltoluene	0.100	U
95-63-6	1,2,4-Trimethylbenzene	0.100	U
541-73-1	1,3-Dichlorobenzene	0.100	U
100-44-7	Benzyl chloride	0.100	U
106-46-7	1,4-Dichlorobenzene	0.100	U
95-50-1	1,2-Dichlorobenzene	0.100	U
120-82-1	1,2,4-Trichlorobenzene	0.100	U
87-68-3	Hexachlorobutadiene	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (ppbv)	CONC (ppbv)	% REC	QC LIMITS	Q
4-Bromofluorobenzene	10.0	9.73	97	70 - 130	

FORM IV - METHOD BLANK DATA SHEET
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	77688
Client:	Mitkem Laboratories			Project:	See Chain of Custody
Matrix:	Air	Laboratory ID:	8050314-BLK1	File ID:	C01659.D
Prepared:	05/02/08 00:00	Preparation:	General Air Prep	Initial/Final:	200 ml / 200 ml
Analyzed:	05/02/08 14:18	Instrument:	Air4		
Batch:	8050314	Sequence:	S805711	Calibration:	0805013

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	742193	10.386	903506	10.386	
1,4-Difluorobenzene	4037718	12.599	5083441	12.599	
Chlorobenzene-d5	1754654	18.169	2375040	18.17	

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM V -
MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Lab File ID:	A28210.D	Injection Date:	04/29/08
Instrument ID:	Air1	Injection Time:	07:52
Sequence:	S805480	Lab Sample ID:	S805480-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.9	PASS
75	30 - 60% of 95	52.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.61	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	82.5	PASS
175	5 - 9% of 174	7.49	PASS
176	95 - 101% of 174	97.9	PASS
177	5 - 9% of 176	6.53	PASS

FORM V -
MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Lab File ID:	A28210.D		
Instrument ID:	Air1		
Sequence:	S805480	Lab Sample ID:	S805480-TUN1

This check applies to the following samples, blanks, and standards:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
S805480-CCV1	Calibration Check	A28210.D	04/29/08	7:52
8050045-BS1	LCS	A28211.D	04/29/08	8:40
8050045-BLK1	Blank	A28212.D	04/29/08	10:24
SA77688-02	130173-SV1-55	A28214.D	04/29/08	12:09
8050045-DUP1	Duplicate	A28215.D	04/29/08	12:50
SA77688-01	130173-SV1-8	A28216.D	04/29/08	14:30
SA77688-03	130173-SV2-8	A28217.D	04/29/08	15:11
SA77688-04	130173-SV2-55	A28218.D	04/29/08	15:52
SA77688-05	130173-SV3-8	A28219.D	04/29/08	16:33
SA77688-07	130173-SV3-55	A28220.D	04/29/08	17:14
SA77688-08	130173-SV33-55	A28221.D	04/29/08	17:55
SA77688-09	130173-SV4-8	A28222.D	04/29/08	18:36
SA77688-10	130173-SV4-55	A28223.D	04/29/08	19:17
SA77688-11	130173-SV5-8	A28224.D	04/29/08	19:58
SA77688-12	130173-SV5-55	A28225.D	04/29/08	20:39

FORM V -
MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Lab File ID:	C01655.D	Injection Date:	05/02/08
Instrument ID:	Air4	Injection Time:	08:09
Sequence:	S805711	Lab Sample ID:	S805711-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	26.4	PASS
75	30 - 60% of 95	49.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.97	PASS
173	Less than 2% of 174	0.669	PASS
174	50 - 100% of 95	95.9	PASS
175	5 - 9% of 174	7.99	PASS
176	95 - 101% of 174	97.5	PASS
177	5 - 9% of 176	7.14	PASS

FORM V -
MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Lab File ID:	C01655.D		
Instrument ID:	Air4		
Sequence:	S805711	Lab Sample ID:	S805711-TUN1

This check applies to the following samples, blanks, and standards:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
S805711-CCV1	Calibration Check	C01655.D	05/02/08	8:09
8050314-BS1	LCS	C01656.D	05/02/08	9:47
8050314-BLK1	Blank	C01659.D	05/02/08	14:18
SA77688-06	130173-AA	C01660.D	05/02/08	15:44
SA77688-13	130173-TB	C01661.D	05/02/08	16:35

FORM VI - INITIAL CALIBRATION DATA
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0804025	Instrument:	Air1
Matrix:	Air	Calibration Date:	04/04/08 09:50

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF
Propene	0.5	1.399795	2	0.9033118	5	0.8218608	10	0.7992562	20	0.7709623	25	0.9239932
Dichlorodifluoromethane (Freo	0.5	4.991988	2	3.684462	5	3.462956	10	3.344923	20	2.996943	25	3.930593
Chloromethane	0.5	1.837163	2	1.341148	5	1.250976	10	1.21121	20	1.119527	25	1.435984
1,2-Dichlorotetrafluoroethane (	0.5	4.175209	2	3.130315	5	2.935946	10	2.858248	20	2.723264	25	3.256338
Vinyl chloride	0.5	1.652481	2	1.212547	5	1.138903	10	1.126482	20	1.078335	25	1.320284
1,3-Butadiene	0.5	1.26989	2	0.9389339	5	0.8836483	10	0.8626162	20	0.8216551	25	1.014957
Bromomethane	0.5	1.277575	2	0.8763719	5	0.8306452	10	0.8090796	20	0.772947	25	0.9531759
Chloroethane	0.5	0.7997613	2	0.5505642	5	0.5077857	10	0.4926865	20	0.4678004	25	0.6010935
Acetone	0.5	0.8079728	2	0.5266185	5	0.4632788	10	0.4582955	20	0.4283756	25	0.5284123
Trichlorofluoromethane (Freon	0.5	4.554994	2	3.275187	5	3.045099	10	2.984995	20	2.841852	25	3.463449
Ethanol	0.5	0.6281702	2	0.3864978	5	0.3477259	10	0.3361265	20	0.3129041	25	0.3489816
1,1-Dichloroethene	0.5	1.612613	2	1.202108	5	1.133844	10	1.11096	20	1.078629	25	1.285809
Methylene chloride	0.5	1.596819	2	1.144996	5	1.067628	10	1.023839	20	0.9952829	25	1.190885
1,1,2-Trichlorotrifluoroethane (	0.5	3.613071	2	2.697213	5	2.553334	10	2.457196	20	2.358774	25	2.784473
Carbon disulfide	0.5	4.768255	2	3.572158	5	3.401274	10	3.306537	20	3.246759	25	3.912834
trans-1,2-Dichloroethene	0.5	1.675755	2	1.249639	5	1.194842	10	1.158707	20	1.125369	25	1.349087
1,1-Dichloroethane	0.5	3.506372	2	2.590127	5	2.442583	10	2.375785	20	2.300956	25	2.744495
Methyl tert-butyl ether	0.5	4.615297	2	3.722163	5	3.556844	10	3.492264	20	3.428698	25	4.065682
Isopropyl alcohol	0.5	3.207121	2	2.263696	5	1.99645	10	1.957994	20	1.850899	25	2.32684
2-Butanone (MEK)	0.5	0.3135155	2	0.2387537	5	0.2388739	10	0.2319426	20	0.2311314	25	0.2797588
cis-1,2-Dichloroethene	0.5	1.75991	2	1.313853	5	1.243115	10	1.20864	20	1.189848	25	1.415163
Hexane	0.5	3.225941	2	2.354371	5	2.238978	10	2.163383	20	2.077024	25	2.443321
Ethyl acetate	0.5	0.5595711	2	0.4780919	5	0.4461601	10	0.4344629	20	0.420756	25	0.4909017
Chloroform	0.5	3.855879	2	2.869856	5	2.72167	10	2.667621	20	2.609342	25	3.133807
Tetrahydrofuran	0.5	0.7279661	2	0.5871857	5	0.5643984	10	0.5578536	20	0.5505855	25	0.6603985
1,2-Dichloroethane	0.5	2.7645	2	2.080894	5	1.965561	10	1.930725	20	1.893866	25	2.28505
1,1,1-Trichloroethane	0.5	3.711184	2	2.804202	5	2.719101	10	2.67082	20	2.630942	25	3.173826
Benzene	0.5	5.624443	2	4.135847	5	3.912019	10	3.812491	20	3.693308	25	4.397131
Carbon tetrachloride	0.5	3.251714	2	2.541295	5	2.507496	10	2.54428	20	2.563002	25	3.103656
Cyclohexane	0.5	3.420024	2	2.579238	5	2.340215	10	2.276146	20	2.177731	25	2.614106
1,2-Dichloropropane	0.5	0.4068168	2	0.3052564	5	0.2852172	10	0.2753821	20	0.2651841	25	0.309276
Bromodichloromethane	0.5	0.6728966	2	0.5289785	5	0.5174388	10	0.5118927	20	0.500069	25	0.5944474

FORM VI - INITIAL CALIBRATION DATA
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0804025	Instrument:	Air1
Matrix:	Air	Calibration Date:	04/04/08 09:50

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF
Trichloroethene	0.5	0.4550011	2	0.3426237	5	0.3214624	10	0.3110626	20	0.2965367	25	0.3446861
n-Heptane	0.5	0.3809901	2	0.2901854	5	0.273043	10	0.2632491	20	0.2497855	25	0.289255
4-Methyl-2-pentanone (MIBK)	0.5	0.804716	2	0.6655407	5	0.6301857	10	0.6115856	20	0.5822901	25	0.6643921
cis-1,3-Dichloropropene	0.5	0.5716204	2	0.4614749	5	0.4388042	10	0.4258712	20	0.4104703	25	0.4860974
trans-1,3-Dichloropropene	0.5	0.4944778	2	0.4014199	5	0.3910392	10	0.3910489	20	0.3848577	25	0.4684518
1,1,2-Trichloroethane	0.5	0.3483145	2	0.2672473	5	0.2515908	10	0.2405621	20	0.2303816	25	0.2719067
Toluene	0.5	1.285926	2	0.94993	5	0.8882563	10	0.8538204	20	0.8167356	25	0.9612324
2-Hexanone (MBK)	0.5	0.3477735	2	0.3193015	5	0.3044401	10	0.2992501	20	0.2901826	25	0.3359056
Dibromochloromethane	0.5	0.5274812	2	0.4510253	5	0.461543	10	0.4666107	20	0.4693273	25	0.5665247
1,2-Dibromoethane (EDB)	0.5	0.6173701	2	0.4807471	5	0.4550893	10	0.4418072	20	0.4249059	25	0.506469
Tetrachloroethene	0.5	0.6238593	2	0.4682425	5	0.4406287	10	0.424622	20	0.4037755	25	0.4727939
Chlorobenzene	0.5	1.856418	2	1.439323	5	1.336315	10	1.297807	20	1.246062	25	1.520016
Ethylbenzene	0.5	3.10357	2	2.399054	5	2.273956	10	2.222011	20	2.13087	25	2.699335
m,p-Xylene	1	1.219827	4	0.9627314	10	0.9034296	20	0.87392	40	0.8258147	50	1.02936
Bromoform	0.5	0.7971375	2	0.7330206	5	0.7974972	10	0.862848	20	0.9079786	25	1.231258
Styrene	0.5	1.704685	2	1.381918	5	1.317708	10	1.297865	20	1.255007	25	1.618598
o-Xylene	0.5	1.1709	2	0.9157099	5	0.8535848	10	0.8224579	20	0.7764074	25	0.9723464
1,1,2,2-Tetrachloroethane	0.5	1.503103	2	1.171354	5	1.104031	10	1.062057	20	1.002702	25	1.301867
1,3,5-Trimethylbenzene	0.5	3.361042	2	2.724211	5	2.605012	10	2.557896	20	2.452768	25	3.18956
4-Ethyltoluene	0.5	2.832245	2	2.284595	5	2.152988	10	2.104728	20	2.018436	25	2.650886
1,2,4-Trimethylbenzene	0.5	2.779289	2	2.224595	5	2.108659	10	2.062264	20	1.97413	25	2.61331
1,3-Dichlorobenzene	0.5	1.619916	2	1.33245	5	1.256428	10	1.22124	20	1.165492	25	1.549112
Benzyl chloride	0.5	1.473164	2	1.407159	5	1.455489	10	1.496435	20	1.495907	25	2.140996
1,4-Dichlorobenzene	0.5	1.600789	2	1.330699	5	1.295735	10	1.281303	20	1.236492	25	1.689242
1,2-Dichlorobenzene	0.5	1.559292	2	1.268582	5	1.205029	10	1.180959	20	1.128436	25	1.574443
1,2,4-Trichlorobenzene	0.5	0.9875768	2	0.8601342	5	0.8727628	10	0.8955483	20	0.8940398	25	1.454265
Hexachlorobutadiene	0.5	1.462654	2	1.126798	5	1.062506	10	1.031099	20	0.9771374	25	1.381272
4-Bromofluorobenzene	10	1.23646	10	1.253273	10	1.250499	10	1.270218	10	1.2693	10	1.34954

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VI - INITIAL CALIBRATION DATA (Continued)
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0804025	Instrument:	Air1
Matrix:	Air	Calibration Date:	04/04/08 09:50

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF
Propene	50	0.8935577	100	0.883071								
Dichlorodifluoromethane (Freo	50	3.768209	100	3.365733								
Chloromethane	50	1.388393	100	1.380125								
1,2-Dichlorotetrafluoroethane (	50	3.086759	100	2.945628								
Vinyl chloride	50	1.287463	100	1.278641								
1,3-Butadiene	50	0.9781967	100	0.9732957								
Bromomethane	50	0.9244579	100	0.9473481								
Chloroethane	50	0.5809118	100	0.5991105								
Acetone	50	0.5205205	100	0.5411108								
Trichlorofluoromethane (Freon	50	3.36392	100	3.315972								
Ethanol	50	0.345349	100	0.363579								
1,1-Dichloroethene	50	1.247787	100	1.204731								
Methylene chloride	50	1.168461	100	1.155523								
1,1,2-Trichlorotrifluoroethane (	50	2.637253	100	2.487246								
Carbon disulfide	50	3.833622	100	3.764651								
trans-1,2-Dichloroethene	50	1.305321	100	1.266802								
1,1-Dichloroethane	50	2.635271	100	2.539634								
Methyl tert-butyl ether	50	4.012293	100	3.958319								
Isopropyl alcohol	50	2.285348	100	2.334026								
2-Butanone (MEK)	50	0.2757659	100	0.2719795								
cis-1,2-Dichloroethene	50	1.374779	100	1.33382								
Hexane	50	2.268691	100	2.064242								
Ethyl acetate	50	0.458611	100	0.422677								
Chloroform	50	3.081437	100	3.045425								
Tetrahydrofuran	50	0.6484827	100	0.6465168								
1,2-Dichloroethane	50	2.272644	100	2.289742								
1,1,1-Trichloroethane	50	3.147772	100	3.130341								
Benzene	50	4.239173	100	4.114945								
Carbon tetrachloride	50	3.113323	100	3.067807								
Cyclohexane	50	2.495299	100	2.393952								
1,2-Dichloropropane	50	0.2859014	100	0.2581078								
Bromodichloromethane	50	0.5596812	100	0.5140266								

FORM VI - INITIAL CALIBRATION DATA (Continued)
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0804025	Instrument:	Air1
Matrix:	Air	Calibration Date:	04/04/08 09:50

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF
Trichloroethene	50	0.3147377	100	0.2830079								
n-Heptane	50	0.2631092	100	0.2333996								
4-Methyl-2-pentanone (MIBK)	50	0.6014402	100	0.5293886								
cis-1,3-Dichloropropene	50	0.4507581	100	0.4115892								
trans-1,3-Dichloropropene	50	0.4504027	100	0.4262137								
1,1,2-Trichloroethane	50	0.251754	100	0.2288628								
Toluene	50	0.8863635	100	0.807374								
2-Hexanone (MBK)	50	0.3136753	100	0.2874598								
Dibromochloromethane	50	0.5384624	100	0.5003637								
1,2-Dibromoethane (EDB)	50	0.4679086	100	0.4283631								
Tetrachloroethene	50	0.4333033	100	0.3932198								
Chlorobenzene	50	1.354095	100	1.210124								
Ethylbenzene	50	2.470578	100	2.242312								
m,p-Xylene	100	0.9195003	200	0.821345								
Bromoform	50	1.196961	100	1.137876								
Styrene	50	1.487857	100	1.355202								
o-Xylene	50	0.8629099	100	0.7742306								
1,1,2,2-Tetrachloroethane	50	1.153855	100	1.022073								
1,3,5-Trimethylbenzene	50	2.899019	100	2.602314								
4-Ethyltoluene	50	2.425686	100	2.194777								
1,2,4-Trimethylbenzene	50	2.384112	100	2.14642								
1,3-Dichlorobenzene	50	1.382479	100	1.25077								
Benzyl chloride	50	1.995193	100	1.798678								
1,4-Dichlorobenzene	50	1.531447	100	1.390715								
1,2-Dichlorobenzene	50	1.431536	100	1.288597								
1,2,4-Trichlorobenzene	50	1.334853	100	1.171764								
Hexachlorobutadiene	50	1.212196	100	1.062909								
4-Bromofluorobenzene	10	1.331132	10	1.32366								

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VI - INITIAL CALIBRATION DATA (Continued)
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0804025	Instrument:	Air1
Matrix:	Air	Calibration Date:	04/04/08 09:50

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Propene	0.924476	21.58836	5.05	1.519153E-02			30	
Dichlorodifluoromethane (Freon12)	3.693226	16.23057	5.13	1.999757E-02			30	
Chloromethane	1.370566	15.74522	5.31	1.848117E-02			30	
1,2-Dichlorotetrafluoroethane (Freon 114)	3.138963	14.35153	5.42	1.800334E-02			30	
Vinyl chloride	1.261892	14.25467	5.55	1.275798E-02			30	
1,3-Butadiene	0.9678991	14.29235	5.7	3.663118E-03			30	
Bromomethane	0.9239501	17.03535	6	0			30	
Chloroethane	0.5749642	18.02645	6.18	7.599986E-03			30	
Acetone	0.5343231	22.06128	6.79	7.185427E-03			30	
Trichlorofluoromethane (Freon 11)	3.355684	15.75259	6.99	0.0138699			30	
Ethanol	0.3836668	26.32805	6.27	1.508139E-02			30	
1,1-Dichloroethene	1.23456	13.60243	7.66	9.691049E-03			30	
Methylene chloride	1.167929	16.04391	7.78	1.354178E-02			30	
1,1,2-Trichlorotrifluoroethane (Freon 113	2.69857	14.60218	8.06	1.342092E-02			30	
Carbon disulfide	3.725761	13.10587	8.13	1.261839E-02			30	
trans-1,2-Dichloroethene	1.29069	13.35849	8.79	5.550517E-03			30	
1,1-Dichloroethane	2.641903	14.29083	9	0			30	
Methyl tert-butyl ether	3.856445	10.17445	9.05	8.477041E-03			30	
Isopropyl alcohol	2.277797	18.42645	7.03	1.270216E-02			30	
2-Butanone (MEK)	0.2602152	11.40412	9.41	0.0135625			30	
cis-1,2-Dichloroethene	1.354891	13.41691	9.92	1.116942E-02			30	
Hexane	2.354494	15.93832	10.16	1.920829E-02			30	
Ethyl acetate	0.463904	9.929695	10.14	2.009545E-02			30	
Chloroform	2.99813	13.32136	10.25	0			30	
Tetrahydrofuran	0.6179234	10.16503	10.71	8.617848E-03			30	
1,2-Dichloroethane	2.185373	13.09062	11.09	1.490117E-02			30	
1,1,1-Trichloroethane	2.998524	12.19897	11.39	2.370819E-02			30	
Benzene	4.24117	14.25067	11.93	1.230622E-02			30	
Carbon tetrachloride	2.836572	11.38066	12.11	2.390707E-02			30	
Cyclohexane	2.537089	15.23276	12.26	1.673533E-02			30	
1,2-Dichloropropane	0.2988927	15.74561	12.9	0.0109778			30	
Bromodichloromethane	0.5499289	10.62855	13.13	2.098508E-02			30	
Trichloroethene	0.3336398	15.97556	13.19	5.994538E-03			30	

FORM VI - INITIAL CALIBRATION DATA (Continued)
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0804025	Instrument:	Air1
Matrix:	Air	Calibration Date:	04/04/08 09:50

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
n-Heptane	0.2803771	15.99938	13.53	1.776113E-02			30	
4-Methyl-2-pentanone (MIBK)	0.6361924	12.77234	14.26	1.489192E-02			30	
cis-1,3-Dichloropropene	0.4570857	11.56795	14.24	1.775104E-02			30	
trans-1,3-Dichloropropene	0.425989	9.649416	14.9	1.739002E-02			30	
1,1,2-Trichloroethane	0.2613275	14.70919	15.13	1.188265E-02			30	
Toluene	0.9312048	16.50522	15.5	0			30	
2-Hexanone (MBK)	0.3122486	6.852511	15.81	1.059338E-02			30	
Dibromochloromethane	0.4976673	8.508058	16.06	7.101986E-03			30	
1,2-Dibromoethane (EDB)	0.4778325	13.10798	16.39	1.906646E-03			30	
Tetrachloroethene	0.4575556	15.88814	17.02	1.308462E-02			30	
Chlorobenzene	1.40752	14.71231	17.95	2.125861E-02			30	
Ethylbenzene	2.442711	13.12817	18.48	1.541915E-02			30	
m,p-Xylene	0.944491	13.85595	18.74	2.066501E-03			30	
Bromoform	0.9580721	20.79822	18.86	1.556874E-02			30	
Styrene	1.427355	11.32501	19.27	6.522865E-03			30	
o-Xylene	0.8935684	14.60196	19.43	1.697213E-02			30	
1,1,2,2-Tetrachloroethane	1.16513	14.29901	19.42	1.793181E-02			30	
1,3,5-Trimethylbenzene	2.798978	11.60332	21.4	1.393565E-02			30	
4-Ethyltoluene	2.333043	12.1644	21.53	1.163921E-02			30	
1,2,4-Trimethylbenzene	2.286597	12.3929	22.2	1.275798E-02			30	
1,3-Dichlorobenzene	1.347236	12.00229	22.44	0.0101996			30	
Benzyl chloride	1.657878	17.01855	22.41	1.188223E-02			30	
1,4-Dichlorobenzene	1.419553	11.75093	22.55	1.192981E-02			30	
1,2-Dichlorobenzene	1.329609	12.92029	23.08	1.024157E-02			30	
1,2,4-Trichlorobenzene	1.058868	21.95488	25.67	1.294189E-02			30	
Hexachlorobutadiene	1.164571	14.98597	26.43	9.693568E-03			30	
4-Bromofluorobenzene	1.28551	3.326981	20.12	1.775272E-02			30	

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VI - INITIAL CALIBRATION DATA
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0805013	Instrument:	Air4
Matrix:	Air	Calibration Date:	05/01/08 10:32

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF
1,1,1-Trichloroethane	0.1	17.30738	0.2	15.19442	0.5	12.9396	1	12.62831	2	13.18952	5	13.21816
Propene	0.1	5.522246	0.2	4.88195	0.5	4.363291	1	4.429617	2	4.548925	5	4.544107
Dichlorodifluoromethane (Freo	0.1	25.41896	0.2	22.22695	0.5	18.1651	1	18.38569	2	17.38221	5	16.4129
Chloromethane	0.1	10.8963	0.2	8.789728	0.5	7.587797	1	7.205006	2	6.980587	5	6.891316
1,2-Dichlorotetrafluoroethane (	0.1	24.51804	0.2	21.43113	0.5	17.50039	1	17.06811	2	16.91244	5	17.1809
Vinyl chloride	0.1	8.780688	0.2	8.301115	0.5	7.209775	1	6.657664	2	6.896482	5	6.759098
1,3-Butadiene	0.1	6.813768	0.2	6.58241	0.5	5.72375	1	5.683719	2	5.799807	5	5.782224
Bromomethane	0.1	7.241294	0.2	6.658929	0.5	5.637974	1	5.327393	2	5.430725	5	5.155932
Chloroethane	0.1	4.614704	0.2	4.055753	0.5	3.603083	1	3.229415	2	3.477971	5	3.225695
Acetone	0.1	7.001038	0.2	5.605827	0.5	4.235628	1	3.867438	2	3.846951	5	3.653012
Trichlorofluoromethane (Freon	0.1	37.68394	0.2	26.11744	0.5	27.17424	1	26.23521	2	21.7018	5	25.82523
Ethanol	0.1	4.295964	0.2	3.757955	0.5	2.990556	1	2.624605	2	2.755011	5	2.581029
1,1-Dichloroethene	0.1	9.405917	0.2	7.376376	0.5	6.863985	1	6.336742	2	6.30367	5	6.382179
Methylene chloride	0.1	8.283287	0.2	7.084205	0.5	5.828774	1	5.467678	2	5.52631	5	5.185962
1,1,2-Trichlorotrifluoroethane (	0.1	20.68239	0.2	17.59553	0.5	14.64715	1	13.87678	2	13.85435	5	13.39476
Carbon disulfide	0.1	20.30851	0.2	18.70442	0.5	16.25605	1	15.79741	2	16.66191	5	16.26495
trans-1,2-Dichloroethene	0.1	7.096909	0.2	6.444322	0.5	5.831889	1	5.633211	2	5.975477	5	5.984775
1,1-Dichloroethane	0.1	16.24022	0.2	14.52127	0.5	12.5208	1	12.11666	2	12.33186	5	12.04646
Methyl tert-butyl ether	0.1	13.44374	0.2	13.48721	0.5	13.44559	1	13.75278	2	15.05283	5	15.31604
Isopropyl alcohol	0.1	17.83276	0.2	15.14258	0.5	13.76461	1	12.28338	2	12.9975	5	12.83981
2-Butanone (MEK)	0.1	0.8709489	0.2	1.036384	0.5	1.186377	1	1.236555	2	1.307227	5	1.276566
cis-1,2-Dichloroethene	0.1	6.765253	0.2	6.190491	0.5	5.771466	1	5.838531	2	6.315656	5	6.395838
Hexane	0.1	12.42178	0.2	11.61868	0.5	11.35778	1	11.34805	2	12.2848	5	12.20671
Ethyl acetate	0.1	2.759053	0.2	2.556959	0.5	2.361372	1	2.495691	2	2.530016	5	2.492082
Chloroform	0.1	18.44623	0.2	17.19582	0.5	14.36292	1	13.56596	2	13.63597	5	13.21427
Tetrahydrofuran	0.1	1.859128	0.2	2.126218	0.5	2.441998	1	2.68875	2	2.881255	5	2.925664
1,2-Dichloroethane	0.1	11.74937	0.2	10.51326	0.5	9.328684	1	8.934205	2	9.28492	5	8.998579
Benzene	0.1	22.33272	0.2	20.83835	0.5	19.09908	1	19.03889	2	20.15672	5	19.99836
Carbon tetrachloride	0.1	17.0903	0.2	16.12559	0.5	13.76773	1	13.3608	2	14.04374	5	14.07079
Cyclohexane	0.1	11.74009	0.2	7.180095	0.5	9.340837	1	12.84184	2	12.92126	5	12.36791
1,2-Dichloropropane	0.1	1.776281	0.2	1.565977	0.5	1.419379	1	1.336003	2	1.430742	5	1.408034
Bromodichloromethane	0.1	3.099242	0.2	2.79052	0.5	2.494135	1	2.376355	2	2.499686	5	2.553606

FORM VI - INITIAL CALIBRATION DATA
EPA TO-15

Laboratory: Spectrum Analytical, Inc. - Agawam, MA
SDG: 77688
Client: Mitkem Laboratories
Project: See Chain of Custody
Calibration: 0805013
Instrument: Air4
Matrix: Air
Calibration Date: 05/01/08 10:32

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF
Trichloroethene	0.1	1.754807	0.2	1.658213	0.5	1.495411	1	1.473629	2	1.587809	5	1.610239
n-Heptane	0.1	1.29057	0.2	1.437665	0.5	1.481022	1	1.354609	2	1.431482	5	1.443014
4-Methyl-2-pentanone (MIBK)	0.1	3.608421	0.2	3.769711	0.5	3.493312	1	3.565596	2	3.854139	5	3.845542
cis-1,3-Dichloropropene	0.1	1.657813	0.2	1.648191	0.5	1.664639	1	1.778603	2	2.021088	5	2.118886
trans-1,3-Dichloropropene	0.1	1.428401	0.2	1.418638	0.5	1.480079	1	1.536891	2	1.790375	5	1.891047
1,1,2-Trichloroethane	0.1	1.695736	0.2	1.506201	0.5	1.34612	1	1.224864	2	1.261242	5	1.255334
Toluene	0.1	4.045353	0.2	4.13883	0.5	4.165867	1	4.226766	2	4.67566	5	4.749591
2-Hexanone (MBK)	0.1	1.146284	0.2	1.220142	0.5	1.317298	1	1.40449	2	1.536639	5	1.632661
Dibromochloromethane	0.1	2.900853	0.2	2.700778	0.5	2.440478	1	2.335793	2	2.59823	5	2.708744
1,2-Dibromoethane (EDB)	0.1	2.626618	0.2	2.441173	0.5	2.186382	1	2.087209	2	2.229383	5	2.252079
Tetrachloroethene	0.1	2.670371	0.2	2.507343	0.5	2.262249	1	2.189551	2	2.428774	5	2.575324
Chlorobenzene	0.1	11.27063	0.2	10.42245	0.5	8.978951	1	8.31333	2	8.472521	5	7.658959
Ethylbenzene	0.1	10.96944	0.2	12.01711	0.5	12.24633	1	12.4577	2	13.41719	5	12.42144
m,p-Xylene	0.2	4.968597	0.4	5.459831	1	5.255875	2	5.109488	4	5.384715	10	5.006408
Bromoform	0.1	6.784766	0.2	6.733241	0.5	6.227363	1	5.976607	2	6.498652	5	6.434291
Styrene	0.1	5.10438	0.2	6.045673	0.5	6.62602	1	6.774221	2	7.602617	5	7.108398
o-Xylene	0.1	4.567095	0.2	5.209755	0.5	5.056315	1	4.945773	2	5.143727	5	4.80188
1,1,2,2-Tetrachloroethane	0.1	10.65884	0.2	9.957501	0.5	8.510244	1	7.715973	2	7.719103	5	6.864224
1,3,5-Trimethylbenzene	0.1	10.66945	0.2	13.32612	0.5	14.62167	1	14.18648	2	15.41424	5	14.31168
4-Ethyltoluene	0.1	10.98476	0.2	12.97405	0.5	12.61236	1	12.05074	2	12.51683	5	11.54153
1,2,4-Trimethylbenzene	0.1	8.75264	0.2	11.00786	0.5	12.0347	1	11.92577	2	12.72792	5	11.55066
1,3-Dichlorobenzene	0.1	11.69364	0.2	11.83002	0.5	10.56373	1	9.734725	2	9.877329	5	8.933938
Benzyl chloride	0.1	6.756414	0.2	7.390388	0.5	7.864656	1	8.275747	2	9.352876	5	8.636305
1,4-Dichlorobenzene	0.1	11.32364	0.2	11.1047	0.5	10.32937	1	9.629105	2	9.874602	5	8.72147
1,2-Dichlorobenzene	0.1	11.28017	0.2	11.05188	0.5	10.05961	1	9.448365	2	9.718853	5	8.313234
1,2,4-Trichlorobenzene	0.1	6.790342	0.2	7.101608	0.5	7.805853	1	8.334029	2	9.297626	5	10.0994
Hexachlorobutadiene	0.1	9.164893	0.2	8.788655	0.5	8.134584	1	8.401697	2	9.53736	5	12.21109
4-Bromofluorobenzene	10	1.234125	10	1.27437	10	1.253923	10	1.228882	10	1.200693	10	1.097954

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VI - INITIAL CALIBRATION DATA (Continued)
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0805013	Instrument:	Air4
Matrix:	Air	Calibration Date:	05/01/08 10:32

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF
1,1,1-Trichloroethane	10	13.70023	0.04									
Propene	10	4.529264	0.04									
Dichlorodifluoromethane (Freo	10	13.03947	0.04									
Chloromethane	10	6.923759	0.04									
1,2-Dichlorotetrafluoroethane (	10	18.16291	0.04									
Vinyl chloride	10	6.886443	0.04									
1,3-Butadiene	10	6.083841	0.04									
Bromomethane	10	5.45238	0.04									
Chloroethane	10	3.376618	0.04									
Acetone	10	3.741532	0.04									
Trichlorofluoromethane (Freon	10	26.41193	0.04									
Ethanol	10	2.936306	0.04									
1,1-Dichloroethene	10	6.576454	0.04									
Methylene chloride	10	5.298501	0.04									
1,1,2-Trichlorotrifluoroethane (	10	13.78223	0.04									
Carbon disulfide	10	16.36985	0.04									
trans-1,2-Dichloroethene	10	6.047965	0.04									
1,1-Dichloroethane	10	12.11124	0.04									
Methyl tert-butyl ether	10	15.81202	0.04									
Isopropyl alcohol	10	13.68931	0.04									
2-Butanone (MEK)	10	1.308813	0.04									
cis-1,2-Dichloroethene	10	6.440508	0.04									
Hexane	10	12.60283	0.04									
Ethyl acetate	10	2.565445	0.04									
Chloroform	10	13.26	0.04									
Tetrahydrofuran	10	3.01069	0.04									
1,2-Dichloroethane	10	9.198518	0.04									
Benzene	10	20.0759	0.04									
Carbon tetrachloride	10	14.65141	0.04									
Cyclohexane	10	12.74693	0.04									
1,2-Dichloropropane	10	1.47138	0.04	0								
Bromodichloromethane	10	2.749686	0.04	0								

FORM VI - INITIAL CALIBRATION DATA (Continued)
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0805013	Instrument:	Air4
Matrix:	Air	Calibration Date:	05/01/08 10:32

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF	ppbv	RF
Trichloroethene	10	1.706289	0.04	0.8248003								
n-Heptane	10	1.507712	0.04	0								
4-Methyl-2-pentanone (MIBK)	10	4.156606	0.04	0								
cis-1,3-Dichloropropene	10	2.270397	0.04	0								
trans-1,3-Dichloropropene	10	2.039607	0.04	0								
1,1,2-Trichloroethane	10	1.302958	0.04	0								
Toluene	10	5.078911	0.04	0								
2-Hexanone (MBK)	10	1.758315	0.04	0								
Dibromochloromethane	10	3.046403	0.04	0								
1,2-Dibromoethane (EDB)	10	2.433179	0.04	0								
Tetrachloroethene	10	3.041554	0.04	1.289221								
Chlorobenzene	10	7.016198	0.04	0								
Ethylbenzene	10	11.37543	0.04	0								
m,p-Xylene	20	4.569123	0.08	0								
Bromoform	10	6.643906	0.04	0								
Styrene	10	6.51693	0.04	0								
o-Xylene	10	4.41887	0.04	0								
1,1,2,2-Tetrachloroethane	10	6.271448	0.04	0								
1,3,5-Trimethylbenzene	10	13.52938	0.04	0								
4-Ethyltoluene	10	10.92681	0.04	0								
1,2,4-Trimethylbenzene	10	11.05229	0.04	0								
1,3-Dichlorobenzene	10	8.828452	0.04	0								
Benzyl chloride	10	8.587982	0.04	0								
1,4-Dichlorobenzene	10	8.608328	0.04	0								
1,2-Dichlorobenzene	10	8.057801	0.04	0								
1,2,4-Trichlorobenzene	10	10.7785	0.04	0								
Hexachlorobutadiene	10	0	0.04	0								
4-Bromofluorobenzene	10	0.9562169	10	0								

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VI - INITIAL CALIBRATION DATA (Continued)
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0805013	Instrument:	Air4
Matrix:	Air	Calibration Date:	05/01/08 10:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1-Trichloroethane	14.02537	11.90397	11.676	1.704008E-02			30	
Propene	4.688486	8.580388	5.263	4.02559E-03			30	
Dichlorodifluoromethane (Freon12)	18.71875	21.47721	5.345	1.237778E-02			30	
Chloromethane	7.896356	18.75939	5.533	1.807294E-02			30	
1,2-Dichlorotetrafluoroethane (Freon 114)	18.9677	15.32557	5.645	1.676098E-02			30	
Vinyl chloride	7.355895	11.401	5.785	2.237303E-02			30	
1,3-Butadiene	6.067074	7.495439	5.936	1.790506E-02			30	
Bromomethane	5.843518	13.48105	6.241	2.116816E-02			30	
Chloroethane	3.654748	13.94547	6.422	1.979447E-02			30	
Acetone	4.564489	27.76693	7.067	2.086769E-02			30	
Trichlorofluoromethane (Freon 11)	27.30711	17.98245	7.25	0			30	
Ethanol	3.134489	20.62643	6.538	6.29529E-03			30	
1,1-Dichloroethene	7.035046	15.81362	7.928	5.613068E-03			30	
Methylene chloride	6.096388	18.9593	8.044	1.848482E-02			30	
1,1,2-Trichlorotrifluoroethane (Freon 113	15.40474	17.70608	8.325	2.440485E-02			30	
Carbon disulfide	17.19473	9.684314	8.405	8.433595E-03			30	
trans-1,2-Dichloroethene	6.144936	7.915496	9.061	2.249704E-02			30	
1,1-Dichloroethane	13.12693	12.3839	9.28	1.686532E-02			30	
Methyl tert-butyl ether	14.33003	7.151971	9.363	2.180738E-02			30	
Isopropyl alcohol	14.07856	13.41511	7.336	1.446385E-02			30	
2-Butanone (MEK)	1.174696	13.95711	9.714	1.725976E-02			30	
cis-1,2-Dichloroethene	6.245392	5.581416	10.201	0.0196438			30	
Hexane	11.97723	4.370945	10.43	1.422192E-02			30	
Ethyl acetate	2.537231	4.694717	10.433	3.388629E-03			30	
Chloroform	14.8116	14.31911	10.53	1.819268E-02			30	
Tetrahydrofuran	2.561958	17.08764	11.017	1.670867E-02			30	
1,2-Dichloroethane	9.715362	10.71306	11.375	0			30	
Benzene	20.22	5.555569	12.215	2.200642E-02			30	
Carbon tetrachloride	14.73005	9.288171	12.394	7.555143E-03			30	
Cyclohexane	11.30557	19.52806	12.542	1.087468E-02			30	
1,2-Dichloropropane	1.486828	9.782725	13.182	2.131052E-02			30	
Bromodichloromethane	2.65189	9.269271	13.414	1.818473E-02			30	
Trichloroethene	1.5139	19.45835	13.465	5.451662E-03			30	

FORM VI - INITIAL CALIBRATION DATA (Continued)
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Calibration:	0805013	Instrument:	Air4
Matrix:	Air	Calibration Date:	05/01/08 10:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
n-Heptane	1.420868	5.252091	13.803	1.871867E-02			30	
4-Methyl-2-pentanone (MIBK)	3.75619	6.005953	14.584	1.870409E-02			30	
cis-1,3-Dichloropropene	1.879945	13.54677	14.517	1.916145E-02			30	
trans-1,3-Dichloropropene	1.655005	15.08006	15.173	7.113721E-03			30	
1,1,2-Trichloroethane	1.370351	12.4897	15.412	1.495166E-02			30	
Toluene	4.44014	8.850882	15.779	1.084192E-02			30	
2-Hexanone (MBK)	1.430833	15.57861	16.138	7.227297E-03			30	
Dibromochloromethane	2.675897	9.23872	16.341	1.955991E-02			30	
1,2-Dibromoethane (EDB)	2.322289	7.985463	16.674	1.938604E-02			30	
Tetrachloroethene	2.370548	21.49768	17.296	2.113365E-02			30	
Chlorobenzene	8.876148	16.93411	18.234	4.248829E-03			30	
Ethylbenzene	12.12923	6.554063	18.759	1.383136E-02			30	
m,p-Xylene	5.10772	5.88633	19.017	0.0123461			30	
Bromoform	6.471261	4.474301	19.142	1.037593E-02			30	
Styrene	6.539748	12.2016	19.548	1.872891E-02			30	
o-Xylene	4.877631	6.095126	19.71	1.332719E-02			30	
1,1,2,2-Tetrachloroethane	8.242476	19.30232	19.696	1.671755E-02			30	
1,3,5-Trimethylbenzene	13.72272	11.03088	21.672	1.251186E-02			30	
4-Ethyltoluene	11.94387	6.805307	21.797	1.146029E-02			30	
1,2,4-Trimethylbenzene	11.29312	11.24066	22.453	1.295822E-02			30	
1,3-Dichlorobenzene	10.20883	11.87926	22.69	9.069768E-03			30	
Benzyl chloride	8.123481	10.64493	22.662	1.540116E-02	0.9995596		0.991	
1,4-Dichlorobenzene	9.941602	10.69391	22.795	2.550245E-02			30	
1,2-Dichlorobenzene	9.704273	12.7166	23.317	2.476878E-02			30	
1,2,4-Trichlorobenzene	8.601051	17.56984	25.914	2.178799E-02			30	
Hexachlorobutadiene	9.373047	15.78393	26.691	8.876624E-03			30	
4-Bromofluorobenzene	1.178023	9.610278	20.4	1.779177E-02			30	

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VII - CONTINUING CALIBRATION CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Instrument ID:	Air1	Calibration:	0804025
Lab File ID:	A28210.D	Calibration Date:	04/04/08 09:50
Sequence:	S805480	Injection Date:	04/29/08
Lab Sample ID:	S805480-CCV1	Injection Time:	07:52
Spike ID:	8D01025		

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Propene	A	10.0	9.7400	0.924476	0.9003738		-2.6	30
Dichlorodifluoromethane (Freon12)	A	10.0	10.280	3.693226	3.797693		2.8	30
Chloromethane	A	10.0	9.2600	1.370566	1.26892		-7.4	30
1,2-Dichlorotetrafluoroethane (Freon 114)	A	10.0	10.260	3.138963	3.220765		2.6	30
Vinyl chloride	A	10.0	9.3800	1.261892	1.184246		-6.2	30
1,3-Butadiene	A	10.0	9.2400	0.9678991	0.894735		-7.6	30
Bromomethane	A	10.0	9.3600	0.9239501	0.8646572		-6.4	30
Chloroethane	A	10.0	9.0800	0.5749642	0.5217876		-9.2	30
Acetone	A	10.0	8.4900	0.5343231	0.4537789		-15.1	30
Trichlorofluoromethane (Freon 11)	A	10.0	10.030	3.355684	3.366591		0.3	30
Ethanol	A	10.0	8.1400	0.3836668	0.3124513		-18.6	30
1,1-Dichloroethene	A	10.0	9.8400	1.23456	1.214574		-1.6	30
Methylene chloride	A	10.0	9.9300	1.167929	1.160103		-0.7	30
1,1,2-Trichlorotrifluoroethane (Freon 113)	A	10.0	10.350	2.69857	2.791721		3.5	30
Carbon disulfide	A	10.0	9.8300	3.725761	3.661359		-1.7	30
trans-1,2-Dichloroethene	A	10.0	9.9100	1.29069	1.27935		-0.9	30
1,1-Dichloroethane	A	10.0	9.7600	2.641903	2.577939		-2.4	30
Methyl tert-butyl ether	A	10.0	9.0100	3.856445	3.475164		-9.9	30
Isopropyl alcohol	A	10.0	8.4800	2.277797	1.931374		-15.2	30
2-Butanone (MEK)	A	10.0	9.5100	0.2602152	0.2474536		-4.9	30
cis-1,2-Dichloroethene	A	10.0	9.8900	1.354891	1.339553		-1.1	30
Hexane	A	10.0	9.5700	2.354494	2.252296		-4.3	30
Ethyl acetate	A	10.0	9.5900	0.463904	0.4448942		-4.1	30
Chloroform	A	10.0	9.9300	2.99813	2.976594		-0.7	30
Tetrahydrofuran	A	10.0	9.3200	0.6179234	0.5758101		-6.8	30
1,2-Dichloroethane	A	10.0	9.8100	2.185373	2.143441		-1.9	30
1,1,1-Trichloroethane	A	10.0	9.6400	2.998524	2.889242		-3.6	30

FORM VII - CONTINUING CALIBRATION CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Instrument ID:	Air1	Calibration:	0804025
Lab File ID:	A28210.D	Calibration Date:	04/04/08 09:50
Sequence:	S805480	Injection Date:	04/29/08
Lab Sample ID:	S805480-CCV1	Injection Time:	07:52
Spike ID:	8D01025		

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	10.0	9.6400	4.24117	4.088496		-3.6	30
Carbon tetrachloride	A	10.0	9.1300	2.836572	2.588785		-8.7	30
Cyclohexane	A	10.0	9.5500	2.537089	2.422388		-4.5	30
1,2-Dichloropropane	A	10.0	10.090	0.2988927	0.3014525		0.9	30
Bromodichloromethane	A	10.0	10.550	0.5499289	0.5803114		5.5	30
Trichloroethene	A	10.0	10.480	0.3336398	0.349502		4.8	30
n-Heptane	A	10.0	10.070	0.2803771	0.2823978		0.7	30
4-Methyl-2-pentanone (MIBK)	A	10.0	10.670	0.6361924	0.6787882		6.7	30
cis-1,3-Dichloropropene	A	10.0	9.9700	0.4570857	0.4556545		-0.3	30
trans-1,3-Dichloropropene	A	10.0	9.8400	0.425989	0.4190759		-1.6	30
1,1,2-Trichloroethane	A	10.0	10.530	0.2613275	0.2752274		5.3	30
Toluene	A	10.0	10.160	0.9312048	0.9457143		1.6	30
2-Hexanone (MBK)	A	10.0	10.380	0.3122486	0.3240862		3.8	30
Dibromochloromethane	A	10.0	10.340	0.4976673	0.5145602		3.4	30
1,2-Dibromoethane (EDB)	A	10.0	10.560	0.4778325	0.5046664		5.6	30
Tetrachloroethene	A	10.0	10.350	0.4575556	0.4734874		3.5	30
Chlorobenzene	A	10.0	9.9300	1.40752	1.397428		-0.7	30
Ethylbenzene	A	10.0	10.070	2.442711	2.460539		0.7	30
m,p-Xylene	A	20.0	20.120	0.944491	0.9501684		0.6	30
Bromoform	A	10.0	9.8900	0.9580721	0.9476271		-1.1	30
Styrene	A	10.0	10.080	1.427355	1.439344		0.8	30
o-Xylene	A	10.0	10.070	0.8935684	0.9001945		0.7	30
1,1,2,2-Tetrachloroethane	A	10.0	11.010	1.16513	1.282379		10.1	30
1,3,5-Trimethylbenzene	A	10.0	10.320	2.798978	2.888442		3.2	30
4-Ethyltoluene	A	10.0	10.240	2.333043	2.389426		2.4	30
1,2,4-Trimethylbenzene	A	10.0	10.350	2.286597	2.366985		3.5	30
1,3-Dichlorobenzene	A	10.0	10.750	1.347236	1.448867		7.5	30
Benzyl chloride	A	10.0	8.9000	1.657878	1.475782		-11.0	30
1,4-Dichlorobenzene	A	10.0	10.590	1.419553	1.502801		5.9	30

FORM VII - CONTINUING CALIBRATION CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Instrument ID:	Air1	Calibration:	0804025
Lab File ID:	A28210.D	Calibration Date:	04/04/08 09:50
Sequence:	S805480	Injection Date:	04/29/08
Lab Sample ID:	S805480-CCV1	Injection Time:	07:52
Spike ID:	8D01025		

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	10.750	1.329609	1.429808		7.5	30
1,2,4-Trichlorobenzene	A	10.0	12.420	1.058868	1.314844		24.2	30
Hexachlorobutadiene	A	10.0	12.110	1.164571	1.410029		21.1	30
4-Bromofluorobenzene	A	10.0	9.9600	1.28551	1.280538		-0.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VII - CONTINUING CALIBRATION CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Instrument ID:	Air4	Calibration:	0805013
Lab File ID:	C01655.D	Calibration Date:	05/01/08 10:32
Sequence:	S805711	Injection Date:	05/02/08
Lab Sample ID:	S805711-CCV1	Injection Time:	08:09
Spike ID:	8C04034		

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1-Trichloroethane	A	2.00	2.04	14.02537	14.29603		1.9	30
Propene	A	2.00	2.03	4.688486	4.758978		1.5	30
Dichlorodifluoromethane (Freon12)	A	2.00	2.31	18.71875	21.57631		15.3	30
Chloromethane	A	2.00	2.17	7.896356	8.565212		8.5	30
1,2-Dichlorotetrafluoroethane (Freon 114)	A	2.00	2.12	18.9677	20.13738		6.2	30
Vinyl chloride	A	2.00	2.40	7.355895	8.841922		20.2	30
1,3-Butadiene	A	2.00	2.52	6.067074	7.635893		25.9	30
Bromomethane	A	2.00	2.38	5.843518	6.939295		18.8	30
Chloroethane	A	2.00	2.48	3.654748	4.540551		24.2	30
Acetone	A	2.00	1.83	4.564489	4.169297		-8.7	30
Trichlorofluoromethane (Freon 11)	A	2.00	2.01	27.30711	27.43774		0.5	30
Ethanol	A	2.00	1.46	3.134489	2.292708		-26.9	30
1,1-Dichloroethene	A	2.00	1.95	7.035046	6.868244		-2.4	30
Methylene chloride	A	2.00	1.98	6.096388	6.034454		-1.0	30
1,1,2-Trichlorotrifluoroethane (Freon 113)	A	2.00	1.80	15.40474	13.88552		-9.9	30
Carbon disulfide	A	2.00	2.07	17.19473	17.75473		3.3	30
trans-1,2-Dichloroethene	A	2.00	1.99	6.144936	6.106783		-0.6	30
1,1-Dichloroethane	A	2.00	1.91	13.12693	12.50701		-4.7	30
Methyl tert-butyl ether	A	2.00	2.46	14.33003	17.65351		23.2	30
Isopropyl alcohol	A	2.00	1.87	14.07856	13.15824		-6.5	30
2-Butanone (MEK)	A	2.00	2.38	1.174696	1.397262		18.9	30
cis-1,2-Dichloroethene	A	2.00	2.14	6.245392	6.694255		7.2	30
Hexane	A	2.00	2.30	11.97723	13.75423		14.8	30
Ethyl acetate	A	2.00	2.15	2.537231	2.730585		7.6	30
Chloroform	A	2.00	2.00	14.8116	14.8464		0.2	30
Tetrahydrofuran	A	2.00	2.20	2.561958	2.824054		10.2	30
1,2-Dichloroethane	A	2.00	2.11	9.715362	10.248		5.5	30

FORM VII - CONTINUING CALIBRATION CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Instrument ID:	Air4	Calibration:	0805013
Lab File ID:	C01655.D	Calibration Date:	05/01/08 10:32
Sequence:	S805711	Injection Date:	05/02/08
Lab Sample ID:	S805711-CCV1	Injection Time:	08:09
Spike ID:	8C04034		

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	2.00	2.11	20.22	21.30022		5.3	30
Carbon tetrachloride	A	2.00	2.12	14.73005	15.6427		6.2	30
Cyclohexane	A	2.00	1.99	11.30557	11.23048		-0.7	30
1,2-Dichloropropane	A	2.00	2.12	1.486828	1.576464		6.0	30
Bromodichloromethane	A	2.00	2.12	2.65189	2.804856		5.8	30
Trichloroethene	A	2.00	2.27	1.5139	1.72155		13.7	30
n-Heptane	A	2.00	2.25	1.420868	1.594987		12.3	30
4-Methyl-2-pentanone (MIBK)	A	2.00	2.29	3.75619	4.309711		14.7	30
cis-1,3-Dichloropropene	A	2.00	2.36	1.879945	2.219646		18.1	30
trans-1,3-Dichloropropene	A	2.00	2.28	1.655005	1.889541		14.2	30
1,1,2-Trichloroethane	A	2.00	1.91	1.370351	1.306656		-4.6	30
Toluene	A	2.00	2.29	4.44014	5.094192		14.7	30
2-Hexanone (MBK)	A	2.00	2.32	1.430833	1.659708		16.0	30
Dibromochloromethane	A	2.00	2.13	2.675897	2.854779		6.7	30
1,2-Dibromoethane (EDB)	A	2.00	2.05	2.322289	2.375071		2.3	30
Tetrachloroethene	A	2.00	2.49	2.370548	2.947515		24.3	30
Chlorobenzene	A	2.00	2.01	8.876148	8.941679		0.7	30
Ethylbenzene	A	2.00	2.37	12.12923	14.39749		18.7	30
m,p-Xylene	A	4.00	4.61	5.10772	5.892887		15.4	30
Bromoform	A	2.00	2.27	6.471261	7.343769		13.5	30
Styrene	A	2.00	2.52	6.539748	8.251903		26.2	30
o-Xylene	A	2.00	2.25	4.877631	5.491882		12.6	30
1,1,2,2-Tetrachloroethane	A	2.00	1.80	8.242476	7.433443		-9.8	30
1,3,5-Trimethylbenzene	A	2.00	2.13	13.72272	14.58889		6.3	30
4-Ethyltoluene	A	2.00	2.12	11.94387	12.63419		5.8	30
1,2,4-Trimethylbenzene	A	2.00	2.22	11.29312	12.53006		11.0	30
1,3-Dichlorobenzene	A	2.00	1.89	10.20883	9.670277		-5.3	30
Benzyl chloride	L	2.00	2.59	8.123481	11.16829		29.5	30
1,4-Dichlorobenzene	A	2.00	1.91	9.941602	9.480842		-4.6	30

FORM VII - CONTINUING CALIBRATION CHECK
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Instrument ID:	Air4	Calibration:	0805013
Lab File ID:	C01655.D	Calibration Date:	05/01/08 10:32
Sequence:	S805711	Injection Date:	05/02/08
Lab Sample ID:	S805711-CCV1	Injection Time:	08:09
Spike ID:	8C04034		

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dichlorobenzene	A	2.00	1.85	9.704273	8.956163		-7.7	30
1,2,4-Trichlorobenzene	A	2.00	1.83	8.601051	7.889061		-8.3	30
Hexachlorobutadiene	A	2.00	1.68	9.373047	7.855032		-16.2	30
4-Bromofluorobenzene	A	10.0	10.0	1.178023	1.183266		0.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VIII a - INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Sequence:	S805480	Instrument:	Air1
Matrix:	Air	Calibration:	0804025

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S805480-CCV1)			Lab File ID: A28210.D			Analyzed: 04/29/08 07:52			
Bromochloromethane	1260030	10.1	1175364	10.11	107	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene	6534647	12.31	6307339	12.33	104	50 - 200	-0.0200	+/-0.50	
Chlorobenzene-d5	3365845	17.88	3233638	17.89	104	50 - 200	-0.0100	+/-0.50	
LCS (8050045-BS1)			Lab File ID: A28211.D			Analyzed: 04/29/08 08:40			
Bromochloromethane	1280998	10.1	1260030	10.1	102	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	6623779	12.32	6534647	12.31	101	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3451828	17.89	3365845	17.88	103	50 - 200	0.0100	+/-0.50	
Blank (8050045-BLK1)			Lab File ID: A28212.D			Analyzed: 04/29/08 10:24			
Bromochloromethane	1382146	10.11	1260030	10.1	110	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	7168441	12.32	6534647	12.31	110	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3595022	17.89	3365845	17.88	107	50 - 200	0.0100	+/-0.50	
130173-SV1-55 (SA77688-02)			Lab File ID: A28214.D			Analyzed: 04/29/08 12:09			
Bromochloromethane	1380961	10.1	1260030	10.1	110	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	7170155	12.32	6534647	12.31	110	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3622326	17.89	3365845	17.88	108	50 - 200	0.0100	+/-0.50	
Duplicate (8050045-DUP1)			Lab File ID: A28215.D			Analyzed: 04/29/08 12:50			
Bromochloromethane	1413776	10.11	1260030	10.1	112	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	7350764	12.33	6534647	12.31	112	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	3754147	17.89	3365845	17.88	112	50 - 200	0.0100	+/-0.50	
130173-SV1-8 (SA77688-01)			Lab File ID: A28216.D			Analyzed: 04/29/08 14:30			
Bromochloromethane	1440760	10.1	1260030	10.1	114	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	7535971	12.32	6534647	12.31	115	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3763708	17.88	3365845	17.88	112	50 - 200	0.0000	+/-0.50	
130173-SV2-8 (SA77688-03)			Lab File ID: A28217.D			Analyzed: 04/29/08 15:11			
Bromochloromethane	1401938	10.12	1260030	10.1	111	50 - 200	0.0200	+/-0.50	
1,4-Difluorobenzene	7310580	12.34	6534647	12.31	112	50 - 200	0.0300	+/-0.50	
Chlorobenzene-d5	3732726	17.9	3365845	17.88	111	50 - 200	0.0200	+/-0.50	
130173-SV2-55 (SA77688-04)			Lab File ID: A28218.D			Analyzed: 04/29/08 15:52			
Bromochloromethane	1400682	10.12	1260030	10.1	111	50 - 200	0.0200	+/-0.50	
1,4-Difluorobenzene	7382124	12.33	6534647	12.31	113	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	3808187	17.89	3365845	17.88	113	50 - 200	0.0100	+/-0.50	
130173-SV3-8 (SA77688-05)			Lab File ID: A28219.D			Analyzed: 04/29/08 16:33			
Bromochloromethane	1416814	10.11	1260030	10.1	112	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	7394685	12.32	6534647	12.31	113	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3788998	17.89	3365845	17.88	113	50 - 200	0.0100	+/-0.50	

FORM VIII a - INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Sequence:	S805480	Instrument:	Air1
Matrix:	Air	Calibration:	0804025

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
130173-SV3-55 (SA77688-07)			Lab File ID: A28220.D			Analyzed: 04/29/08 17:14			
Bromochloromethane	1402497	10.11	1260030	10.1	111	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	7362185	12.32	6534647	12.31	113	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3783778	17.89	3365845	17.88	112	50 - 200	0.0100	+/-0.50	
130173-SV33-55 (SA77688-08)			Lab File ID: A28221.D			Analyzed: 04/29/08 17:55			
Bromochloromethane	1390930	10.11	1260030	10.1	110	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	7313205	12.32	6534647	12.31	112	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3756175	17.89	3365845	17.88	112	50 - 200	0.0100	+/-0.50	
130173-SV4-8 (SA77688-09)			Lab File ID: A28222.D			Analyzed: 04/29/08 18:36			
Bromochloromethane	1383292	10.11	1260030	10.1	110	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	7268210	12.32	6534647	12.31	111	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3783048	17.89	3365845	17.88	112	50 - 200	0.0100	+/-0.50	
130173-SV4-55 (SA77688-10)			Lab File ID: A28223.D			Analyzed: 04/29/08 19:17			
Bromochloromethane	1427020	10.11	1260030	10.1	113	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	7498219	12.32	6534647	12.31	115	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3877821	17.89	3365845	17.88	115	50 - 200	0.0100	+/-0.50	
130173-SV5-8 (SA77688-11)			Lab File ID: A28224.D			Analyzed: 04/29/08 19:58			
Bromochloromethane	1385533	10.11	1260030	10.1	110	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	7248289	12.32	6534647	12.31	111	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3736667	17.89	3365845	17.88	111	50 - 200	0.0100	+/-0.50	
130173-SV5-55 (SA77688-12)			Lab File ID: A28225.D			Analyzed: 04/29/08 20:39			
Bromochloromethane	1391678	10.11	1260030	10.1	110	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	7319803	12.32	6534647	12.31	112	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	3814931	17.89	3365845	17.88	113	50 - 200	0.0100	+/-0.50	

FORM VIII a - INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Sequence:	S805711	Instrument:	Air4
Matrix:	Air	Calibration:	0805013

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S805711-CCV1)			Lab File ID: C01655.D			Analyzed: 05/02/08 08:09			
Bromochloromethane	903506	10.386	675336	10.39	134	50 - 200	-0.0040	+/-0.50	
1,4-Difluorobenzene	5083441	12.599	3866422	12.603	131	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	2375040	18.17	1732431	18.171	137	50 - 200	-0.0010	+/-0.50	
LCS (8050314-BS1)			Lab File ID: C01656.D			Analyzed: 05/02/08 09:47			
Bromochloromethane	888822	10.386	903506	10.386	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	4972289	12.599	5083441	12.599	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2311099	18.169	2375040	18.17	97	50 - 200	-0.0010	+/-0.50	
Blank (8050314-BLK1)			Lab File ID: C01659.D			Analyzed: 05/02/08 14:18			
Bromochloromethane	742193	10.386	903506	10.386	82	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	4037718	12.599	5083441	12.599	79	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1754654	18.169	2375040	18.17	74	50 - 200	-0.0010	+/-0.50	
130173-AA (SA77688-06)			Lab File ID: C01660.D			Analyzed: 05/02/08 15:44			
Bromochloromethane	716209	10.386	903506	10.386	79	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	4003838	12.599	5083441	12.599	79	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1854960	18.168	2375040	18.17	78	50 - 200	-0.0020	+/-0.50	
130173-TB (SA77688-13)			Lab File ID: C01661.D			Analyzed: 05/02/08 16:35			
Bromochloromethane	698148	10.39	903506	10.386	77	50 - 200	0.0040	+/-0.50	
1,4-Difluorobenzene	3818162	12.605	5083441	12.599	75	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	1637956	18.172	2375040	18.17	69	50 - 200	0.0020	+/-0.50	

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Sequence:	S805480	Instrument:	Air1
Matrix:	Air	Calibration:	0804025

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S805480-TUN1	A28210.D	04/29/08 07:52
Calibration Check	S805480-CCV1	A28210.D	04/29/08 07:52
LCS	8050045-BS1	A28211.D	04/29/08 08:40
Blank	8050045-BLK1	A28212.D	04/29/08 10:24
130173-SV1-55	SA77688-02	A28214.D	04/29/08 12:09
130173-SV1-55	8050045-DUP1	A28215.D	04/29/08 12:50
130173-SV1-8	SA77688-01	A28216.D	04/29/08 14:30
130173-SV2-8	SA77688-03	A28217.D	04/29/08 15:11
130173-SV2-55	SA77688-04	A28218.D	04/29/08 15:52
130173-SV3-8	SA77688-05	A28219.D	04/29/08 16:33
130173-SV3-55	SA77688-07	A28220.D	04/29/08 17:14
130173-SV33-55	SA77688-08	A28221.D	04/29/08 17:55
130173-SV4-8	SA77688-09	A28222.D	04/29/08 18:36
130173-SV4-55	SA77688-10	A28223.D	04/29/08 19:17
130173-SV5-8	SA77688-11	A28224.D	04/29/08 19:58
130173-SV5-55	SA77688-12	A28225.D	04/29/08 20:39

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
EPA TO-15

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA	SDG:	77688
Client:	Mitkem Laboratories	Project:	See Chain of Custody
Sequence:	S805711	Instrument:	Air4
Matrix:	Air	Calibration:	0805013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	S805711-TUN1	C01655.D	05/02/08 08:09
Calibration Check	S805711-CCV1	C01655.D	05/02/08 08:09
LCS	8050314-BS1	C01656.D	05/02/08 09:47
Blank	8050314-BLK1	C01659.D	05/02/08 14:18
130173-AA	SA77688-06	C01660.D	05/02/08 15:44
130173-TB	SA77688-13	C01661.D	05/02/08 16:35

FORM XII - PREPARATION BATCH SUMMARY
EPA TO-15

Laboratory: Spectrum Analytical, Inc. - Agawam, MA SDG: 77688

Client: Mitkem Laboratories Project: See Chain of Custody

Batch: 8050045 Batch Matrix: Air Preparation: General Air Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	INITIAL	FINAL
Blank	8050045-BLK1	A28212.D	04/29/08 00:00	200.00 ml	200.00 ml
LCS	8050045-BS1	A28211.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV1-55	8050045-DUP1	A28215.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV1-8	SA77688-01	A28216.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV1-55	SA77688-02	A28214.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV2-8	SA77688-03	A28217.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV2-55	SA77688-04	A28218.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV3-8	SA77688-05	A28219.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV3-55	SA77688-07	A28220.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV33-55	SA77688-08	A28221.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV4-8	SA77688-09	A28222.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV4-55	SA77688-10	A28223.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV5-8	SA77688-11	A28224.D	04/29/08 00:00	200.00 ml	200.00 ml
130173-SV5-55	SA77688-12	A28225.D	04/29/08 00:00	200.00 ml	200.00 ml

FORM XII - PREPARATION BATCH SUMMARY
EPA TO-15

Laboratory: Spectrum Analytical, Inc. - Agawam, MA SDG: 77688

Client: Mitkem Laboratories Project: See Chain of Custody

Batch: 8050314 Batch Matrix: Air Preparation: General Air Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	INITIAL	FINAL
Blank	8050314-BLK1	C01659.D	05/02/08 00:00	200.00 ml	200.00 ml
LCS	8050314-BS1	C01656.D	05/02/08 00:00	200.00 ml	200.00 ml
130173-AA	SA77688-06	C01660.D	05/02/08 00:00	200.00 ml	200.00 ml
130173-TB	SA77688-13	C01661.D	05/02/08 00:00	200.00 ml	200.00 ml

HOLDING TIME SUMMARY
EPA TO-15

Laboratory: Spectrum Analytical, Inc. - Agawam, MA SDG: 77688

Client: Mitkem Laboratories Project: See Chain of Custody

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
130173-SV1-8	04/23/08 09:45	04/24/08 20:30	04/29/08 00:00	5.59	28.00	04/29/08 14:30	6.20	28.00	
130173-SV1-55	04/23/08 10:09	04/24/08 20:30	04/29/08 00:00	5.58	28.00	04/29/08 12:09	6.08	28.00	
130173-SV2-8	04/23/08 10:05	04/24/08 20:30	04/29/08 00:00	5.58	28.00	04/29/08 15:11	6.21	28.00	
130173-SV2-55	04/23/08 10:07	04/24/08 20:30	04/29/08 00:00	5.58	28.00	04/29/08 15:52	6.24	28.00	
130173-SV3-8	04/23/08 10:17	04/24/08 20:30	04/29/08 00:00	5.57	28.00	04/29/08 16:33	6.26	28.00	
130173-AA	04/23/08 10:22	04/24/08 20:30	05/02/08 00:00	8.57	28.00	05/02/08 15:44	9.22	28.00	
130173-SV3-55	04/23/08 10:25	04/24/08 20:30	04/29/08 00:00	5.57	28.00	04/29/08 17:14	6.28	28.00	
130173-SV33-55	04/23/08 10:25	04/24/08 20:30	04/29/08 00:00	5.57	28.00	04/29/08 17:55	6.31	28.00	
130173-SV4-8	04/23/08 10:35	04/24/08 20:30	04/29/08 00:00	5.56	28.00	04/29/08 18:36	6.33	28.00	
130173-SV4-55	04/23/08 12:05	04/24/08 20:30	04/29/08 00:00	5.50	28.00	04/29/08 19:17	6.30	28.00	
130173-SV5-8	04/23/08 10:45	04/24/08 20:30	04/29/08 00:00	5.55	28.00	04/29/08 19:58	6.38	28.00	
130173-SV5-55	04/23/08 10:55	04/24/08 20:30	04/29/08 00:00	5.55	28.00	04/29/08 20:39	6.41	28.00	
130173-TB	04/23/08 08:00	04/24/08 20:30	05/02/08 00:00	8.67	28.00	05/02/08 16:35	9.36	28.00	

Notes & Definitions

BRL Below the reporting limit and also indicates there are no detections between the MDL and MRL

Form I 'Q' column

B The analyte was found in the associated blank as well as the sample

D All identified compounds in the analysis are at a secondary dilution factor

E The identified compound's concentration exceeds the calibration range of the instrument for this specific analysis

J Compound detected but below the reporting limit and above the minimum detection limit (MDL); therefore, the result is an estimated concentration

N Included for TIC that indicates presumptive evidence of a compound

P Used for a Dual Column target analyte when the concentration difference between the two GC columns is greater than 40%.

U Compound was analyzed for but not detected

Form IIa 'Method' column

This column refers to the instrument used for analysis

IR Iris ICP
MS Thermo ICP/MS
AV Mercury analyzer

Form VI 'Q' column

***** indicates that:
Mean RF is above the value in the LIMIT column, or
Linear COD is below the value in the LIMIT column, or
Quad COD is below the value in the LIMIT column

Form VII 'Type' column

A average of response factor
L linear regression
Q quadratic equation

Form VIII 'Q' column for Inorganics

E The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected

SPECTRUM ANALYTICAL, INC. - PREPARATION BENCH SHEET

8050045

Method No.: T1040408 M

Matrix: Air **Prepared using: Air - General Air Prep** **Surrogate used: 7K29013**

Lab Number	Client Sample ID	Collected	Initial (ml)	Final (ml)	Spike ID	Source ID	Analysis	Due	Comments
8050045-BLK1	Blank	29-Apr-08 00:00	200	200			QC		
8050045-BS1	LCS	29-Apr-08 00:00	200	200	8C05003		QC		
8050045-DUP1	Duplicate	23-Apr-08 10:09	200	200		SA77688-02	QC		
SA77688-01	130173-SV1-8 KG	23-Apr-08 09:45	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-02	130173-SV1-55	23-Apr-08 10:09	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-03	130173-SV2-8	23-Apr-08 10:05	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-04	130173-SV2-55	23-Apr-08 10:07	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-05	130173-SV3-8	23-Apr-08 10:17	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-07	130173-SV3-55	23-Apr-08 10:25	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-08	130173-SV33-55	23-Apr-08 10:25	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-09	130173-SV4-8	23-Apr-08 10:35	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-10	130173-SV4-55	23-Apr-08 12:05	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-11	130173-SV5-8	23-Apr-08 10:45	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-12	130173-SV5-55	23-Apr-08 10:55	200	200			TO-15	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77703-01RE1	Zone 1	23-Apr-08 08:40	200	200			TO-15	06-May-08 16:00	**Added 4/30/2008 by KG RE50x TCE=3900**
SA77703-02	Zone 2	23-Apr-08 08:45	200	200			TO-15	06-May-08 16:00	
SA77703-03	Zone 3	23-Apr-08 08:50	200	200			TO-15	06-May-08 16:00	
SA77703-04	Zone 2 DUP	23-Apr-08 08:55	200	200			TO-15	06-May-08 16:00	

Analyst Reviewed 5/1/08 Date

Manager Reviewed 5/2/08 Date

Extracts Received By Date

Printed: 5/1/2008 10:19:45AM

SPECTRUM ANALYTICAL, INC. - PREPARATION BENCH SHEET

8050314

Method No.: TO-15 SIM

Matrix: Air **Prepared using: Air - General Air Prep** **Surrogate used: 7K29013**

Lab Number	Client Sample ID	Collected	Initial (ml)	Final (ml)	Spike ID	Source ID	Analysis	Due	Comments
8050314-BLK1	Blank	02-May-08 00:00	200	200			QC		
8050314-BS1	LCS	02-May-08 00:00	200	200	8C06005		QC		
SA77688-06	130173-AA IC6	23-Apr-08 10:22	200	200			TO-15 SIM	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77688-13	130173-TB	23-Apr-08 08:00	200	200			TO-15 SIM	05-May-08 16:00	**See coc for special instructions/ASP B Tier III**
SA77923-01	S7-VMP	23-Apr-08 08:45	200	200			TO-15 SIM	09-May-08 16:00	**report TO-15 or SIM not both/see project/Tier IV/Level IV**
SA77923-03	S194-VMP	23-Apr-08 10:46	200	200			TO-15 SIM	09-May-08 16:00	**report TO-15 or SIM not both/see project/Tier IV/Level IV**
SA77923-04	S283-PVMP2	23-Apr-08 11:12	200	200			TO-15 SIM	09-May-08 16:00	**report TO-15 or SIM not both/see project/Tier IV/Level IV**
SA77923-06	S188-VMP	23-Apr-08 11:49	200	200			TO-15 SIM	09-May-08 16:00	**report TO-15 or SIM not both/see project/Tier IV/Level IV**
SA77923-07	S283-INA	23-Apr-08 12:43	200	200			TO-15 SIM	09-May-08 16:00	**report TO-15 or SIM not both/see project/Tier IV/Level IV**
SA77923-08	S283-PVMP1	23-Apr-08 12:45	200	200			TO-15 SIM	09-May-08 16:00	**report TO-15 or SIM not both/see project/Tier IV/Level IV**

Air4
5/02/08
TO-15 SIM

5/6/08
Analyst Reviewed Date

5/7/08
Manager Reviewed Date

Extracts Received By Date

Printed: 5/6/2008 9:01:55AM

File ID	Pos	Lab ID	Client ID	DF	Analysis	Comments
Cont. 4/28						
A28208	(15)	mb/can check	13906	1000mL		
1 09	(16)	mb/can check	4505	1		
4/29/08						
A28210		10ppbv TO-15CCL		Batch 8050045		
11		10ppbv TO-15 QC				
12		mb				
13	(1)	SA77688-02	130173-SV1-55	10x	TO-15	5X RR
14	(1)	-02		5X		
15	(1)	-02Dup		5X		
16	(2)	01	SV1-8	4X	✓	
17	(3)	03	SV2-8	4X	✓	
18	(4)	04	SV2-55	4X	✓	
19	(5)	05	SV3-8	5X	✓	
20	(6)	07	SV3 55	5X	✓	
21	(7)	08	SV33-55	5X	✓	
22	(8)	09	SV4-8	4X	✓	
23	(9)	10	SV4-55	5X	✓	
24	(10)	11	SV5-8	5X	✓	
25	(11)	12	SV5-55	5X	✓	
26	(12)	SA77703-01	Zone 1	50X (200)	✓	DF=1.3
27	(13)	02	Zone 2	5X	✓	
28	(14)	03	Zone 3	10X	✓	
29	(15)	04	Zone 2 Dup	5X	✓	
30	(16)	mb/can check	4613	200ml		
31	(16)	1		1000ml		
32	(1)	mb/can check	1379	200ml		
33	(1)	1		1000ml		

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Work continued to Page _____

SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE

	File	Pos	LabID	Client ID	DF	Analysis	Comments
	5/2/08						
	CO1655	10ppbv	TO-15 CCC	Batch 8050314 / 8050419			
		56 (1)	10ppbv TO-15 QC				
5		57 (16)	60ml APH CCC				
		58 (1)	mb				
		59 (1)	MB (1000ml)				
		60 (1)	SA77688-06	130173-AA	1x (1000)	TO-15 SIM	MRL PLEASE .04
		61 (2)	1 -13	-TB			
10		62 (3)	SA77923-01	S7-VMP			
		63 (4)	03	S194-VMP			
		64 (5)	04	S283-PUMP2			Eth = 12 (E)
		65 (6)	06	S188-VMP			
		66 (7)	07	S283-INA			Eth = 11 (E)
15		67 (8)	08	S283-PUMP1	~~1x (800)~~	~~TO-15/N/TVH~~	
		68 (9)	09	S220-VMP	1x (200)	TO-15/N/TVH	(L)
		69 (9)	09 Dup	1			L
		70 (10)	10	S21 -VMP2			(L)
		71 (10)	10 Dup	1			L
20		72 (11)	11	S21 - VMP1			(L)
		73 (12)	12	S88-VMP			(L)
		74 (13)	13	S30-INA		RE 20x	Eth = 1200, 1,4 DCB = 860
		75 (14)	14	S30-VMP		RE 2x	1,4 DCB = 165
		76 (15)	15	S30-PUMP			(L)
25		77 (16)	16	S107-VMP			(L)
		78 (1)	mb				
	5/5/08						
		79	10ppbv TO-15 CCC				

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STANDARD RECORD

7K29013

Description:	TO-15 IS/S spike		
Last Edit:	22-Apr-2008 12:36 by KRL		
Standard Type:	Inactive	Expires:	27-Nov-08
Solvent:	Solvent Lot # AB-20035	Prepared:	29-Nov-07
Vials:	1	Prepared By:	Kevin LaPlante
Final Volume (mls):	200	Department:	Air

40ml from 50ppbv IS/S canister = 10ppbv
Mixture ID 34408
Serial number - AB-20035

Ampules: 7L04006 (40 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,4-Difluorobenzene	0.01	ppm			
4-Bromofluorobenzene	0.01	ppm			
Bromochloromethane	0.01	ppm			
Chlorobenzene-d5	0.01	ppm			

STANDARD RECORD

7L04006

Description:	TO-15 ISTD/Surrogate Int.		
Last Edit:	04-Dec-2007 11:27 by KRL		
Standard Type:	Surrogate Spike	Expires:	27-Nov-08
Solvent:	AB-20035	Prepared:	04-Dec-07
Vials:	1	Prepared By:	Kevin LaPlante
Final Volume (mls):	1000	Department:	Air

Matheson standard, ID# 34408 exp. 11/27/08
cylinder serial # AB-20035
950ml N2 and 50ml std.=50ppb

Ampules:

Analyte	Concentration	Units	Analyte	Concentration	Units
1,4-Difluorobenzene	0.05	ppm			
4-Bromofluorobenzene	0.05	ppm			
Bromochloromethane	0.05	ppm			
Chlorobenzene-d5	0.05	ppm			

STANDARD RECORD

8C04012

Description: TO-15 Cal/CCC stock

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 5000

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

Scott TO-15 compounds
Cylinder serial # - SL51689. Mixture ID/Lot # - 1057609383
1ppm stock standard used to prepare 10ppbv and 50ppbv working standards.

Ampules:

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1-Trichloroethane	1	ppmv	Hexachlorobutadiene	1	ppmv
1,1,2,2-Tetrachloroethane	1	ppmv	Hexane	1	ppmv
1,1,2-Trichloroethane	1	ppmv	Isopropyl alcohol	1	ppmv
1,1,2-Trichlorotrifluoroethane (Freon 113	1	ppmv	m,p-Xylene	2	ppmv
1,1-Dichloroethane	1	ppmv	Methyl tert-butyl ether	1	ppmv
1,1-Dichloroethene	1	ppmv	Methylene chloride	1	ppmv
1,2,4-Trichlorobenzene	1	ppmv	n-Heptane	1	ppmv
1,2,4-Trimethylbenzene	1	ppmv	o-Xylene	1	ppmv
1,2-Dibromoethane (EDB)	1	ppmv	Propene	1	ppmv
1,2-Dichlorobenzene	1	ppmv	Styrene	1	ppmv
1,2-Dichloroethane	1	ppmv	Tetrachloroethene	1	ppmv
1,2-Dichloropropane	1	ppmv	Tetrahydrofuran	1	ppmv
1,2-Dichlorotetrafluoroethane (Freon 114	1	ppmv	Toluene	1	ppmv
1,3,5-Trimethylbenzene	1	ppmv	trans-1,2-Dichloroethene	1	ppmv
1,3-Butadiene	1	ppmv	trans-1,3-Dichloropropene	1	ppmv
1,3-Dichlorobenzene	1	ppmv	Trichloroethene	1	ppmv
1,4-Dichlorobenzene	1	ppmv	Trichlorofluoromethane (Freon 11)	1	ppmv
2-Butanone (MEK)	1	ppmv	Vinyl acetate	1	ppmv
2-Hexanone (MBK)	1	ppmv	Vinyl chloride	1	ppmv
4-Ethyltoluene	1	ppmv			
4-Methyl-2-pentanone (MIBK)	1	ppmv			
Acetone	1	ppmv			
Benzene	1	ppmv			
Benzyl chloride	1	ppmv			
Bromodichloromethane	1	ppmv			
Bromoform	1	ppmv			
Bromomethane	1	ppmv			
Carbon disulfide	1	ppmv			
Carbon tetrachloride	1	ppmv			
Chlorobenzene	1	ppmv			
Chloroethane	1	ppmv			
Chloroform	1	ppmv			
Chloromethane	1	ppmv			
cis-1,2-Dichloroethene	1	ppmv			
cis-1,3-Dichloropropene	1	ppmv			
Cyclohexane	1	ppmv			
Dibromochloromethane	1	ppmv			
Dichlorodifluoromethane (Freon12)	1	ppmv			
Ethanol	1	ppmv			
Ethyl acetate	1	ppmv			
Ethylbenzene	1	ppmv			

STANDARD RECORD

8C04013

Description: Level 1 cal = 0.5ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 200

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

10ml of 10ppbv calibration standard = 0.5ppbv standard

Ampules: 8D01025 (10 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.0005	ppm	Dichlorodifluoromethane (Freon12)	0.0005	ppm
1,1,1-Trichloroethane	0.0005	ppm	Ethanol	0.0005	ppm
1,1,2,2-Tetrachloroethane	0.0005	ppm	Ethyl acetate	0.0005	ppm
1,1,2-Trichloroethane	0.0005	ppm	Ethylbenzene	0.0005	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.0005	ppm	Hexachlorobutadiene	0.0005	ppm
1,1-Dichloroethane	0.0005	ppm	Hexane	0.0005	ppm
1,1-Dichloroethene	0.0005	ppm	Isopropyl alcohol	0.0005	ppm
1,2,4-Trichlorobenzene	0.0005	ppm	Isopropylbenzene	0.0005	ppm
1,2,4-Trimethylbenzene	0.0005	ppm	m,p-Xylene	0.001	ppm
1,2-Dibromoethane (EDB)	0.0005	ppm	Methyl tert-butyl ether	0.0005	ppm
1,2-Dichlorobenzene	0.0005	ppm	Methylene chloride	0.0005	ppm
1,2-Dichloroethane	0.0005	ppm	n-Butylbenzene	0.0005	ppm
1,2-Dichloropropane	0.0005	ppm	n-Heptane	0.0005	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.0005	ppm	o-Xylene	0.0005	ppm
1,3,5-Trimethylbenzene	0.0005	ppm	Propene	0.0005	ppm
1,3-Butadiene	0.0005	ppm	sec-Butylbenzene	0.0005	ppm
1,3-Dichlorobenzene	0.0005	ppm	Styrene	0.0005	ppm
1,4-Dichlorobenzene	0.0005	ppm	Tetrachloroethene	0.0005	ppm
1,4-Dioxane	0.0005	ppm	Tetrahydrofuran	0.0005	ppm
2-Butanone (MEK)	0.0005	ppm	Toluene	0.0005	ppm
2-Hexanone (MBK)	0.0005	ppm	trans-1,2-Dichloroethene	0.0005	ppm
4-Ethyltoluene	0.0005	ppm	trans-1,3-Dichloropropene	0.0005	ppm
4-Isopropyltoluene	0.0005	ppm	Trichloroethene	0.0005	ppm
4-Methyl-2-pentanone (MIBK)	0.0005	ppm	Trichlorofluoromethane (Freon 11)	0.0005	ppm
Acetone	0.0005	ppm	Vinyl acetate	0.0005	ppm
Acrylonitrile	0.0005	ppm	Vinyl chloride	0.0005	ppm
Benzene	0.0005	ppm			
Benzyl chloride	0.0005	ppm			
Bromodichloromethane	0.0005	ppm			
Bromoform	0.0005	ppm			
Bromomethane	0.0005	ppm			
Carbon disulfide	0.0005	ppm			
Carbon tetrachloride	0.0005	ppm			
Chlorobenzene	0.0005	ppm			
Chloroethane	0.0005	ppm			
Chloroform	0.0005	ppm			
Chloromethane	0.0005	ppm			
cis-1,2-Dichloroethene	0.0005	ppm			
cis-1,3-Dichloropropene	0.0005	ppm			
Cyclohexane	0.0005	ppm			
Dibromochloromethane	0.0005	ppm			

STANDARD RECORD

8C04014

Description: Level 2 cal = 2ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 1057609383
Vials: 1
Final Volume (mls): 200

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

40ml of 10ppbv calibration standard = 2ppbv standard

Ampules: 8D01025 (40 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.002	ppm	Dichlorodifluoromethane (Freon12)	0.002	ppm
1,1,1-Trichloroethane	0.002	ppm	Ethanol	0.002	ppm
1,1,2,2-Tetrachloroethane	0.002	ppm	Ethyl acetate	0.002	ppm
1,1,2-Trichloroethane	0.002	ppm	Ethylbenzene	0.002	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.002	ppm	Hexachlorobutadiene	0.002	ppm
1,1-Dichloroethane	0.002	ppm	Hexane	0.002	ppm
1,1-Dichloroethene	0.002	ppm	Isopropyl alcohol	0.002	ppm
1,2,4-Trichlorobenzene	0.002	ppm	Isopropylbenzene	0.002	ppm
1,2,4-Trimethylbenzene	0.002	ppm	m,p-Xylene	0.004	ppm
1,2-Dibromoethane (EDB)	0.002	ppm	Methyl tert-butyl ether	0.002	ppm
1,2-Dichlorobenzene	0.002	ppm	Methylene chloride	0.002	ppm
1,2-Dichloroethane	0.002	ppm	n-Butylbenzene	0.002	ppm
1,2-Dichloropropane	0.002	ppm	n-Heptane	0.002	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.002	ppm	o-Xylene	0.002	ppm
1,3,5-Trimethylbenzene	0.002	ppm	Propene	0.002	ppm
1,3-Butadiene	0.002	ppm	sec-Butylbenzene	0.002	ppm
1,3-Dichlorobenzene	0.002	ppm	Styrene	0.002	ppm
1,4-Dichlorobenzene	0.002	ppm	Tetrachloroethene	0.002	ppm
1,4-Dioxane	0.002	ppm	Tetrahydrofuran	0.002	ppm
2-Butanone (MEK)	0.002	ppm	Toluene	0.002	ppm
2-Hexanone (MBK)	0.002	ppm	trans-1,2-Dichloroethene	0.002	ppm
4-Ethyltoluene	0.002	ppm	trans-1,3-Dichloropropene	0.002	ppm
4-Isopropyltoluene	0.002	ppm	Trichloroethene	0.002	ppm
4-Methyl-2-pentanone (MIBK)	0.002	ppm	Trichlorofluoromethane (Freon 11)	0.002	ppm
Acetone	0.002	ppm	Vinyl acetate	0.002	ppm
Acrylonitrile	0.002	ppm	Vinyl chloride	0.002	ppm
Benzene	0.002	ppm			
Benzyl chloride	0.002	ppm			
Bromodichloromethane	0.002	ppm			
Bromoform	0.002	ppm			
Bromomethane	0.002	ppm			
Carbon disulfide	0.002	ppm			
Carbon tetrachloride	0.002	ppm			
Chlorobenzene	0.002	ppm			
Chloroethane	0.002	ppm			
Chloroform	0.002	ppm			
Chloromethane	0.002	ppm			
cis-1,2-Dichloroethene	0.002	ppm			
cis-1,3-Dichloropropene	0.002	ppm			
Cyclohexane	0.002	ppm			
Dibromochloromethane	0.002	ppm			

STANDARD RECORD

8C04018

Description: Level 3 cal = 5ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 200

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

100ml of 10ppbv calibration standard = 5ppbv standard

Ampules: 8D01025 (100 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.005	ppm	Dichlorodifluoromethane (Freon12)	0.005	ppm
1,1,1-Trichloroethane	0.005	ppm	Ethanol	0.005	ppm
1,1,2,2-Tetrachloroethane	0.005	ppm	Ethyl acetate	0.005	ppm
1,1,2-Trichloroethane	0.005	ppm	Ethylbenzene	0.005	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.005	ppm	Hexachlorobutadiene	0.005	ppm
1,1-Dichloroethane	0.005	ppm	Hexane	0.005	ppm
1,1-Dichloroethene	0.005	ppm	Isopropyl alcohol	0.005	ppm
1,2,4-Trichlorobenzene	0.005	ppm	Isopropylbenzene	0.005	ppm
1,2,4-Trimethylbenzene	0.005	ppm	m,p-Xylene	0.01	ppm
1,2-Dibromoethane (EDB)	0.005	ppm	Methyl tert-butyl ether	0.005	ppm
1,2-Dichlorobenzene	0.005	ppm	Methylene chloride	0.005	ppm
1,2-Dichloroethane	0.005	ppm	n-Butylbenzene	0.005	ppm
1,2-Dichloropropane	0.005	ppm	n-Heptane	0.005	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.005	ppm	o-Xylene	0.005	ppm
1,3,5-Trimethylbenzene	0.005	ppm	Propene	0.005	ppm
1,3-Butadiene	0.005	ppm	sec-Butylbenzene	0.005	ppm
1,3-Dichlorobenzene	0.005	ppm	Styrene	0.005	ppm
1,4-Dichlorobenzene	0.005	ppm	Tetrachloroethene	0.005	ppm
1,4-Dioxane	0.005	ppm	Tetrahydrofuran	0.005	ppm
2-Butanone (MEK)	0.005	ppm	Toluene	0.005	ppm
2-Hexanone (MBK)	0.005	ppm	trans-1,2-Dichloroethene	0.005	ppm
4-Ethyltoluene	0.005	ppm	trans-1,3-Dichloropropene	0.005	ppm
4-Isopropyltoluene	0.005	ppm	Trichloroethene	0.005	ppm
4-Methyl-2-pentanone (MIBK)	0.005	ppm	Trichlorofluoromethane (Freon 11)	0.005	ppm
Acetone	0.005	ppm	Vinyl acetate	0.005	ppm
Acrylonitrile	0.005	ppm	Vinyl chloride	0.005	ppm
Benzene	0.005	ppm			
Benzyl chloride	0.005	ppm			
Bromodichloromethane	0.005	ppm			
Bromoform	0.005	ppm			
Bromomethane	0.005	ppm			
Carbon disulfide	0.005	ppm			
Carbon tetrachloride	0.005	ppm			
Chlorobenzene	0.005	ppm			
Chloroethane	0.005	ppm			
Chloroform	0.005	ppm			
Chloromethane	0.005	ppm			
cis-1,2-Dichloroethene	0.005	ppm			
cis-1,3-Dichloropropene	0.005	ppm			
Cyclohexane	0.005	ppm			
Dibromochloromethane	0.005	ppm			

STANDARD RECORD

8C04019

Description: Level 4 cal = 10ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 200

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

200ml of 10ppbv calibration standard = 10ppbv standard

Ampules: 8D01025 (200 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.01	ppm	Dichlorodifluoromethane (Freon12)	0.01	ppm
1,1,1-Trichloroethane	0.01	ppm	Ethanol	0.01	ppm
1,1,2,2-Tetrachloroethane	0.01	ppm	Ethyl acetate	0.01	ppm
1,1,2-Trichloroethane	0.01	ppm	Ethylbenzene	0.01	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.01	ppm	Hexachlorobutadiene	0.01	ppm
1,1-Dichloroethane	0.01	ppm	Hexane	0.01	ppm
1,1-Dichloroethene	0.01	ppm	Isopropyl alcohol	0.01	ppm
1,2,4-Trichlorobenzene	0.01	ppm	Isopropylbenzene	0.01	ppm
1,2,4-Trimethylbenzene	0.01	ppm	m,p-Xylene	0.02	ppm
1,2-Dibromoethane (EDB)	0.01	ppm	Methyl tert-butyl ether	0.01	ppm
1,2-Dichlorobenzene	0.01	ppm	Methylene chloride	0.01	ppm
1,2-Dichloroethane	0.01	ppm	n-Butylbenzene	0.01	ppm
1,2-Dichloropropane	0.01	ppm	n-Heptane	0.01	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.01	ppm	o-Xylene	0.01	ppm
1,3,5-Trimethylbenzene	0.01	ppm	Propene	0.01	ppm
1,3-Butadiene	0.01	ppm	sec-Butylbenzene	0.01	ppm
1,3-Dichlorobenzene	0.01	ppm	Styrene	0.01	ppm
1,4-Dichlorobenzene	0.01	ppm	Tetrachloroethene	0.01	ppm
1,4-Dioxane	0.01	ppm	Tetrahydrofuran	0.01	ppm
2-Butanone (MEK)	0.01	ppm	Toluene	0.01	ppm
2-Hexanone (MBK)	0.01	ppm	trans-1,2-Dichloroethene	0.01	ppm
4-Ethyltoluene	0.01	ppm	trans-1,3-Dichloropropene	0.01	ppm
4-Isopropyltoluene	0.01	ppm	Trichloroethene	0.01	ppm
4-Methyl-2-pentanone (MIBK)	0.01	ppm	Trichlorofluoromethane (Freon 11)	0.01	ppm
Acetone	0.01	ppm	Vinyl acetate	0.01	ppm
Acrylonitrile	0.01	ppm	Vinyl chloride	0.01	ppm
Benzene	0.01	ppm			
Benzyl chloride	0.01	ppm			
Bromodichloromethane	0.01	ppm			
Bromoform	0.01	ppm			
Bromomethane	0.01	ppm			
Carbon disulfide	0.01	ppm			
Carbon tetrachloride	0.01	ppm			
Chlorobenzene	0.01	ppm			
Chloroethane	0.01	ppm			
Chloroform	0.01	ppm			
Chloromethane	0.01	ppm			
cis-1,2-Dichloroethene	0.01	ppm			
cis-1,3-Dichloropropene	0.01	ppm			
Cyclohexane	0.01	ppm			
Dibromochloromethane	0.01	ppm			

STANDARD RECORD

8C04020

Description: Level 5 cal = 20ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 200

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

400ml of 10ppbv calibration standard = 20ppbv standard

Ampules: 8D01025 (400 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.02	ppm	Dichlorodifluoromethane (Freon12)	0.02	ppm
1,1,1-Trichloroethane	0.02	ppm	Ethanol	0.02	ppm
1,1,2,2-Tetrachloroethane	0.02	ppm	Ethyl acetate	0.02	ppm
1,1,2-Trichloroethane	0.02	ppm	Ethylbenzene	0.02	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.02	ppm	Hexachlorobutadiene	0.02	ppm
1,1-Dichloroethane	0.02	ppm	Hexane	0.02	ppm
1,1-Dichloroethene	0.02	ppm	Isopropyl alcohol	0.02	ppm
1,2,4-Trichlorobenzene	0.02	ppm	Isopropylbenzene	0.02	ppm
1,2,4-Trimethylbenzene	0.02	ppm	m,p-Xylene	0.04	ppm
1,2-Dibromoethane (EDB)	0.02	ppm	Methyl tert-butyl ether	0.02	ppm
1,2-Dichlorobenzene	0.02	ppm	Methylene chloride	0.02	ppm
1,2-Dichloroethane	0.02	ppm	n-Butylbenzene	0.02	ppm
1,2-Dichloropropane	0.02	ppm	n-Heptane	0.02	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.02	ppm	o-Xylene	0.02	ppm
1,3,5-Trimethylbenzene	0.02	ppm	Propene	0.02	ppm
1,3-Butadiene	0.02	ppm	sec-Butylbenzene	0.02	ppm
1,3-Dichlorobenzene	0.02	ppm	Styrene	0.02	ppm
1,4-Dichlorobenzene	0.02	ppm	Tetrachloroethene	0.02	ppm
1,4-Dioxane	0.02	ppm	Tetrahydrofuran	0.02	ppm
2-Butanone (MEK)	0.02	ppm	Toluene	0.02	ppm
2-Hexanone (MBK)	0.02	ppm	trans-1,2-Dichloroethene	0.02	ppm
4-Ethyltoluene	0.02	ppm	trans-1,3-Dichloropropene	0.02	ppm
4-Isopropyltoluene	0.02	ppm	Trichloroethene	0.02	ppm
4-Methyl-2-pentanone (MIBK)	0.02	ppm	Trichlorofluoromethane (Freon 11)	0.02	ppm
Acetone	0.02	ppm	Vinyl acetate	0.02	ppm
Acrylonitrile	0.02	ppm	Vinyl chloride	0.02	ppm
Benzene	0.02	ppm			
Benzyl chloride	0.02	ppm			
Bromodichloromethane	0.02	ppm			
Bromoform	0.02	ppm			
Bromomethane	0.02	ppm			
Carbon disulfide	0.02	ppm			
Carbon tetrachloride	0.02	ppm			
Chlorobenzene	0.02	ppm			
Chloroethane	0.02	ppm			
Chloroform	0.02	ppm			
Chloromethane	0.02	ppm			
cis-1,2-Dichloroethene	0.02	ppm			
cis-1,3-Dichloropropene	0.02	ppm			
Cyclohexane	0.02	ppm			
Dibromochloromethane	0.02	ppm			

STANDARD RECORD

8C04021

Description: 50ppbv TO-15 CCC/CAL

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 1000

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

50ppbv standard made from 8C04012 (1ppm TO-15 stock standard)+50ml to-15 make-up std.
900ml Nitrogen/50ml standard+50ml make-up std = 1:20 = 50ppbv

Ampules: 8C04012 (50 ml) 8D01024 (50 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.05	ppm	Dichlorodifluoromethane (Freon12)	0.05	ppm
1,1,1-Trichloroethane	0.05	ppm	Ethanol	0.05	ppm
1,1,2,2-Tetrachloroethane	0.05	ppm	Ethyl acetate	0.05	ppm
1,1,2-Trichloroethane	0.05	ppm	Ethylbenzene	0.05	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.05	ppm	Hexachlorobutadiene	0.05	ppm
1,1-Dichloroethane	0.05	ppm	Hexane	0.05	ppm
1,1-Dichloroethene	0.05	ppm	Isopropyl alcohol	0.05	ppm
1,2,4-Trichlorobenzene	0.05	ppm	Isopropylbenzene	0.05	ppm
1,2,4-Trimethylbenzene	0.05	ppm	m,p-Xylene	0.1	ppm
1,2-Dibromoethane (EDB)	0.05	ppm	Methyl tert-butyl ether	0.05	ppm
1,2-Dichlorobenzene	0.05	ppm	Methylene chloride	0.05	ppm
1,2-Dichloroethane	0.05	ppm	n-Butylbenzene	0.05	ppm
1,2-Dichloropropane	0.05	ppm	n-Heptane	0.05	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.05	ppm	o-Xylene	0.05	ppm
1,3,5-Trimethylbenzene	0.05	ppm	Propene	0.05	ppm
1,3-Butadiene	0.05	ppm	sec-Butylbenzene	0.05	ppm
1,3-Dichlorobenzene	0.05	ppm	Styrene	0.05	ppm
1,4-Dichlorobenzene	0.05	ppm	Tetrachloroethene	0.05	ppm
1,4-Dioxane	0.05	ppm	Tetrahydrofuran	0.05	ppm
2-Butanone (MEK)	0.05	ppm	Toluene	0.05	ppm
2-Hexanone (MBK)	0.05	ppm	trans-1,2-Dichloroethene	0.05	ppm
4-Ethyltoluene	0.05	ppm	trans-1,3-Dichloropropene	0.05	ppm
4-Isopropyltoluene	0.05	ppm	Trichloroethene	0.05	ppm
4-Methyl-2-pentanone (MIBK)	0.05	ppm	Trichlorofluoromethane (Freon 11)	0.05	ppm
Acetone	0.05	ppm	Vinyl acetate	0.05	ppm
Acrylonitrile	0.05	ppm	Vinyl chloride	0.05	ppm
Benzene	0.05	ppm			
Benzyl chloride	0.05	ppm			
Bromodichloromethane	0.05	ppm			
Bromoform	0.05	ppm			
Bromomethane	0.05	ppm			
Carbon disulfide	0.05	ppm			
Carbon tetrachloride	0.05	ppm			
Chlorobenzene	0.05	ppm			
Chloroethane	0.05	ppm			
Chloroform	0.05	ppm			
Chloromethane	0.05	ppm			
cis-1,2-Dichloroethene	0.05	ppm			
cis-1,3-Dichloropropene	0.05	ppm			
Cyclohexane	0.05	ppm			
Dibromochloromethane	0.05	ppm			

STANDARD RECORD

8C04022

Description: Level 6 cal = 25ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 200

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

100ml of 50ppbv calibration standard = 25ppbv standard

Ampules: 8C04021 (100 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.025	ppm	Dichlorodifluoromethane (Freon12)	0.025	ppm
1,1,1-Trichloroethane	0.025	ppm	Ethanol	0.025	ppm
1,1,2,2-Tetrachloroethane	0.025	ppm	Ethyl acetate	0.025	ppm
1,1,2-Trichloroethane	0.025	ppm	Ethylbenzene	0.025	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.025	ppm	Hexachlorobutadiene	0.025	ppm
1,1-Dichloroethane	0.025	ppm	Hexane	0.025	ppm
1,1-Dichloroethene	0.025	ppm	Isopropyl alcohol	0.025	ppm
1,2,4-Trichlorobenzene	0.025	ppm	Isopropylbenzene	0.025	ppm
1,2,4-Trimethylbenzene	0.025	ppm	m,p-Xylene	0.05	ppm
1,2-Dibromoethane (EDB)	0.025	ppm	Methyl tert-butyl ether	0.025	ppm
1,2-Dichlorobenzene	0.025	ppm	Methylene chloride	0.025	ppm
1,2-Dichloroethane	0.025	ppm	n-Butylbenzene	0.025	ppm
1,2-Dichloropropane	0.025	ppm	n-Heptane	0.025	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.025	ppm	o-Xylene	0.025	ppm
1,3,5-Trimethylbenzene	0.025	ppm	Propene	0.025	ppm
1,3-Butadiene	0.025	ppm	sec-Butylbenzene	0.025	ppm
1,3-Dichlorobenzene	0.025	ppm	Styrene	0.025	ppm
1,4-Dichlorobenzene	0.025	ppm	Tetrachloroethene	0.025	ppm
1,4-Dioxane	0.025	ppm	Tetrahydrofuran	0.025	ppm
2-Butanone (MEK)	0.025	ppm	Toluene	0.025	ppm
2-Hexanone (MBK)	0.025	ppm	trans-1,2-Dichloroethene	0.025	ppm
4-Ethyltoluene	0.025	ppm	trans-1,3-Dichloropropene	0.025	ppm
4-Isopropyltoluene	0.025	ppm	Trichloroethene	0.025	ppm
4-Methyl-2-pentanone (MIBK)	0.025	ppm	Trichlorofluoromethane (Freon 11)	0.025	ppm
Acetone	0.025	ppm	Vinyl acetate	0.025	ppm
Acrylonitrile	0.025	ppm	Vinyl chloride	0.025	ppm
Benzene	0.025	ppm			
Benzyl chloride	0.025	ppm			
Bromodichloromethane	0.025	ppm			
Bromoform	0.025	ppm			
Bromomethane	0.025	ppm			
Carbon disulfide	0.025	ppm			
Carbon tetrachloride	0.025	ppm			
Chlorobenzene	0.025	ppm			
Chloroethane	0.025	ppm			
Chloroform	0.025	ppm			
Chloromethane	0.025	ppm			
cis-1,2-Dichloroethene	0.025	ppm			
cis-1,3-Dichloropropene	0.025	ppm			
Cyclohexane	0.025	ppm			
Dibromochloromethane	0.025	ppm			

STANDARD RECORD

8C04023

Description: Level 7 cal = 50ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 200

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

200ml of 50ppbv calibration standard = 50ppbv standard

Ampules: 8C04021 (200 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.05	ppm	Dichlorodifluoromethane (Freon12)	0.05	ppm
1,1,1-Trichloroethane	0.05	ppm	Ethanol	0.05	ppm
1,1,2,2-Tetrachloroethane	0.05	ppm	Ethyl acetate	0.05	ppm
1,1,2-Trichloroethane	0.05	ppm	Ethylbenzene	0.05	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.05	ppm	Hexachlorobutadiene	0.05	ppm
1,1-Dichloroethane	0.05	ppm	Hexane	0.05	ppm
1,1-Dichloroethene	0.05	ppm	Isopropyl alcohol	0.05	ppm
1,2,4-Trichlorobenzene	0.05	ppm	Isopropylbenzene	0.05	ppm
1,2,4-Trimethylbenzene	0.05	ppm	m,p-Xylene	0.1	ppm
1,2-Dibromoethane (EDB)	0.05	ppm	Methyl tert-butyl ether	0.05	ppm
1,2-Dichlorobenzene	0.05	ppm	Methylene chloride	0.05	ppm
1,2-Dichloroethane	0.05	ppm	n-Butylbenzene	0.05	ppm
1,2-Dichloropropane	0.05	ppm	n-Heptane	0.05	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.05	ppm	o-Xylene	0.05	ppm
1,3,5-Trimethylbenzene	0.05	ppm	Propene	0.05	ppm
1,3-Butadiene	0.05	ppm	sec-Butylbenzene	0.05	ppm
1,3-Dichlorobenzene	0.05	ppm	Styrene	0.05	ppm
1,4-Dichlorobenzene	0.05	ppm	Tetrachloroethene	0.05	ppm
1,4-Dioxane	0.05	ppm	Tetrahydrofuran	0.05	ppm
2-Butanone (MEK)	0.05	ppm	Toluene	0.05	ppm
2-Hexanone (MBK)	0.05	ppm	trans-1,2-Dichloroethene	0.05	ppm
4-Ethyltoluene	0.05	ppm	trans-1,3-Dichloropropene	0.05	ppm
4-Isopropyltoluene	0.05	ppm	Trichloroethene	0.05	ppm
4-Methyl-2-pentanone (MIBK)	0.05	ppm	Trichlorofluoromethane (Freon 11)	0.05	ppm
Acetone	0.05	ppm	Vinyl acetate	0.05	ppm
Acrylonitrile	0.05	ppm	Vinyl chloride	0.05	ppm
Benzene	0.05	ppm			
Benzyl chloride	0.05	ppm			
Bromodichloromethane	0.05	ppm			
Bromoform	0.05	ppm			
Bromomethane	0.05	ppm			
Carbon disulfide	0.05	ppm			
Carbon tetrachloride	0.05	ppm			
Chlorobenzene	0.05	ppm			
Chloroethane	0.05	ppm			
Chloroform	0.05	ppm			
Chloromethane	0.05	ppm			
cis-1,2-Dichloroethene	0.05	ppm			
cis-1,3-Dichloropropene	0.05	ppm			
Cyclohexane	0.05	ppm			
Dibromochloromethane	0.05	ppm			

STANDARD RECORD

8C04024

Description: Level 8 cal = 100ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 200

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

400ml of 50ppbv calibration standard = 100ppbv standard

Ampules: 8C04021 (400 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.1	ppm	Dichlorodifluoromethane (Freon12)	0.1	ppm
1,1,1-Trichloroethane	0.1	ppm	Ethanol	0.1	ppm
1,1,2,2-Tetrachloroethane	0.1	ppm	Ethyl acetate	0.1	ppm
1,1,2-Trichloroethane	0.1	ppm	Ethylbenzene	0.1	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.1	ppm	Hexachlorobutadiene	0.1	ppm
1,1-Dichloroethane	0.1	ppm	Hexane	0.1	ppm
1,1-Dichloroethene	0.1	ppm	Isopropyl alcohol	0.1	ppm
1,2,4-Trichlorobenzene	0.1	ppm	Isopropylbenzene	0.1	ppm
1,2,4-Trimethylbenzene	0.1	ppm	m,p-Xylene	0.2	ppm
1,2-Dibromoethane (EDB)	0.1	ppm	Methyl tert-butyl ether	0.1	ppm
1,2-Dichlorobenzene	0.1	ppm	Methylene chloride	0.1	ppm
1,2-Dichloroethane	0.1	ppm	n-Butylbenzene	0.1	ppm
1,2-Dichloropropane	0.1	ppm	n-Heptane	0.1	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.1	ppm	o-Xylene	0.1	ppm
1,3,5-Trimethylbenzene	0.1	ppm	Propene	0.1	ppm
1,3-Butadiene	0.1	ppm	sec-Butylbenzene	0.1	ppm
1,3-Dichlorobenzene	0.1	ppm	Styrene	0.1	ppm
1,4-Dichlorobenzene	0.1	ppm	Tetrachloroethene	0.1	ppm
1,4-Dioxane	0.1	ppm	Tetrahydrofuran	0.1	ppm
2-Butanone (MEK)	0.1	ppm	Toluene	0.1	ppm
2-Hexanone (MBK)	0.1	ppm	trans-1,2-Dichloroethene	0.1	ppm
4-Ethyltoluene	0.1	ppm	trans-1,3-Dichloropropene	0.1	ppm
4-Isopropyltoluene	0.1	ppm	Trichloroethene	0.1	ppm
4-Methyl-2-pentanone (MIBK)	0.1	ppm	Trichlorofluoromethane (Freon 11)	0.1	ppm
Acetone	0.1	ppm	Vinyl acetate	0.1	ppm
Acrylonitrile	0.1	ppm	Vinyl chloride	0.1	ppm
Benzene	0.1	ppm			
Benzyl chloride	0.1	ppm			
Bromodichloromethane	0.1	ppm			
Bromoform	0.1	ppm			
Bromomethane	0.1	ppm			
Carbon disulfide	0.1	ppm			
Carbon tetrachloride	0.1	ppm			
Chlorobenzene	0.1	ppm			
Chloroethane	0.1	ppm			
Chloroform	0.1	ppm			
Chloromethane	0.1	ppm			
cis-1,2-Dichloroethene	0.1	ppm			
cis-1,3-Dichloropropene	0.1	ppm			
Cyclohexane	0.1	ppm			
Dibromochloromethane	0.1	ppm			

STANDARD RECORD

8C04027

Description: Level 1 cal = 0.1ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 1000

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

10ml of 10ppbv calibration standard = 0.1ppbv standard

Ampules: 8D01025 (10 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.0001	ppm	Dichlorodifluoromethane (Freon12)	0.0001	ppm
1,1,1-Trichloroethane	0.0001	ppm	Ethanol	0.0001	ppm
1,1,2,2-Tetrachloroethane	0.0001	ppm	Ethyl acetate	0.0001	ppm
1,1,2-Trichloroethane	0.0001	ppm	Ethylbenzene	0.0001	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.0001	ppm	Hexachlorobutadiene	0.0001	ppm
1,1-Dichloroethane	0.0001	ppm	Hexane	0.0001	ppm
1,1-Dichloroethene	0.0001	ppm	Isopropyl alcohol	0.0001	ppm
1,2,4-Trichlorobenzene	0.0001	ppm	Isopropylbenzene	0.0001	ppm
1,2,4-Trimethylbenzene	0.0001	ppm	m,p-Xylene	0.0002	ppm
1,2-Dibromoethane (EDB)	0.0001	ppm	Methyl tert-butyl ether	0.0001	ppm
1,2-Dichlorobenzene	0.0001	ppm	Methylene chloride	0.0001	ppm
1,2-Dichloroethane	0.0001	ppm	n-Butylbenzene	0.0001	ppm
1,2-Dichloropropane	0.0001	ppm	n-Heptane	0.0001	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.0001	ppm	o-Xylene	0.0001	ppm
1,3,5-Trimethylbenzene	0.0001	ppm	Propene	0.0001	ppm
1,3-Butadiene	0.0001	ppm	sec-Butylbenzene	0.0001	ppm
1,3-Dichlorobenzene	0.0001	ppm	Styrene	0.0001	ppm
1,4-Dichlorobenzene	0.0001	ppm	Tetrachloroethene	0.0001	ppm
1,4-Dioxane	0.0001	ppm	Tetrahydrofuran	0.0001	ppm
2-Butanone (MEK)	0.0001	ppm	Toluene	0.0001	ppm
2-Hexanone (MBK)	0.0001	ppm	trans-1,2-Dichloroethene	0.0001	ppm
4-Ethyltoluene	0.0001	ppm	trans-1,3-Dichloropropene	0.0001	ppm
4-Isopropyltoluene	0.0001	ppm	Trichloroethene	0.0001	ppm
4-Methyl-2-pentanone (MIBK)	0.0001	ppm	Trichlorofluoromethane (Freon 11)	0.0001	ppm
Acetone	0.0001	ppm	Vinyl acetate	0.0001	ppm
Acrylonitrile	0.0001	ppm	Vinyl chloride	0.0001	ppm
Benzene	0.0001	ppm			
Benzyl chloride	0.0001	ppm			
Bromodichloromethane	0.0001	ppm			
Bromoform	0.0001	ppm			
Bromomethane	0.0001	ppm			
Carbon disulfide	0.0001	ppm			
Carbon tetrachloride	0.0001	ppm			
Chlorobenzene	0.0001	ppm			
Chloroethane	0.0001	ppm			
Chloroform	0.0001	ppm			
Chloromethane	0.0001	ppm			
cis-1,2-Dichloroethene	0.0001	ppm			
cis-1,3-Dichloropropene	0.0001	ppm			
Cyclohexane	0.0001	ppm			
Dibromochloromethane	0.0001	ppm			

STANDARD RECORD

8C04028

Description:	Level 2 cal = 0.2ppbv		
Last Edit:	23-Apr-2008 13:54 by KRL		
Standard Type:	Calibration Standard	Expires:	04-Mar-09
Solvent:	0104az70002 110	Prepared:	04-Mar-08
Vials:	1	Prepared By:	Kevin LaPlante
Final Volume (mls):	1000	Department:	Air

20ml of 10ppbv calibration standard = 0.2ppbv standard

Ampules: 8D01025 (20 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.0002	ppm	Dichlorodifluoromethane (Freon12)	0.0002	ppm
1,1,1-Trichloroethane	0.0002	ppm	Ethanol	0.0002	ppm
1,1,2,2-Tetrachloroethane	0.0002	ppm	Ethyl acetate	0.0002	ppm
1,1,2-Trichloroethane	0.0002	ppm	Ethylbenzene	0.0002	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.0002	ppm	Hexachlorobutadiene	0.0002	ppm
1,1-Dichloroethane	0.0002	ppm	Hexane	0.0002	ppm
1,1-Dichloroethene	0.0002	ppm	Isopropyl alcohol	0.0002	ppm
1,2,4-Trichlorobenzene	0.0002	ppm	Isopropylbenzene	0.0002	ppm
1,2,4-Trimethylbenzene	0.0002	ppm	m,p-Xylene	0.0004	ppm
1,2-Dibromoethane (EDB)	0.0002	ppm	Methyl tert-butyl ether	0.0002	ppm
1,2-Dichlorobenzene	0.0002	ppm	Methylene chloride	0.0002	ppm
1,2-Dichloroethane	0.0002	ppm	n-Butylbenzene	0.0002	ppm
1,2-Dichloropropane	0.0002	ppm	n-Heptane	0.0002	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.0002	ppm	o-Xylene	0.0002	ppm
1,3,5-Trimethylbenzene	0.0002	ppm	Propene	0.0002	ppm
1,3-Butadiene	0.0002	ppm	sec-Butylbenzene	0.0002	ppm
1,3-Dichlorobenzene	0.0002	ppm	Styrene	0.0002	ppm
1,4-Dichlorobenzene	0.0002	ppm	Tetrachloroethene	0.0002	ppm
1,4-Dioxane	0.0002	ppm	Tetrahydrofuran	0.0002	ppm
2-Butanone (MEK)	0.0002	ppm	Toluene	0.0002	ppm
2-Hexanone (MBK)	0.0002	ppm	trans-1,2-Dichloroethene	0.0002	ppm
4-Ethyltoluene	0.0002	ppm	trans-1,3-Dichloropropene	0.0002	ppm
4-Isopropyltoluene	0.0002	ppm	Trichloroethene	0.0002	ppm
4-Methyl-2-pentanone (MIBK)	0.0002	ppm	Trichlorofluoromethane (Freon 11)	0.0002	ppm
Acetone	0.0002	ppm	Vinyl acetate	0.0002	ppm
Acrylonitrile	0.0002	ppm	Vinyl chloride	0.0002	ppm
Benzene	0.0002	ppm			
Benzyl chloride	0.0002	ppm			
Bromodichloromethane	0.0002	ppm			
Bromoform	0.0002	ppm			
Bromomethane	0.0002	ppm			
Carbon disulfide	0.0002	ppm			
Carbon tetrachloride	0.0002	ppm			
Chlorobenzene	0.0002	ppm			
Chloroethane	0.0002	ppm			
Chloroform	0.0002	ppm			
Chloromethane	0.0002	ppm			
cis-1,2-Dichloroethene	0.0002	ppm			
cis-1,3-Dichloropropene	0.0002	ppm			
Cyclohexane	0.0002	ppm			
Dibromochloromethane	0.0002	ppm			

STANDARD RECORD

8C04029

Description:	Level 3 cal = 0.5ppbv		
Last Edit:	23-Apr-2008 13:54 by KRL		
Standard Type:	Calibration Standard	Expires:	04-Mar-09
Solvent:	0104az70002 110	Prepared:	04-Mar-08
Vials:	1	Prepared By:	Kevin LaPlante
Final Volume (mls):	1000	Department:	Air

50ml of 10ppbv calibration standard = 0.5ppbv standard

Ampules: 8D01025 (50 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.0005	ppm	Dichlorodifluoromethane (Freon12)	0.0005	ppm
1,1,1-Trichloroethane	0.0005	ppm	Ethanol	0.0005	ppm
1,1,2,2-Tetrachloroethane	0.0005	ppm	Ethyl acetate	0.0005	ppm
1,1,2-Trichloroethane	0.0005	ppm	Ethylbenzene	0.0005	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.0005	ppm	Hexachlorobutadiene	0.0005	ppm
1,1-Dichloroethane	0.0005	ppm	Hexane	0.0005	ppm
1,1-Dichloroethene	0.0005	ppm	Isopropyl alcohol	0.0005	ppm
1,2,4-Trichlorobenzene	0.0005	ppm	Isopropylbenzene	0.0005	ppm
1,2,4-Trimethylbenzene	0.0005	ppm	m,p-Xylene	0.001	ppm
1,2-Dibromoethane (EDB)	0.0005	ppm	Methyl tert-butyl ether	0.0005	ppm
1,2-Dichlorobenzene	0.0005	ppm	Methylene chloride	0.0005	ppm
1,2-Dichloroethane	0.0005	ppm	n-Butylbenzene	0.0005	ppm
1,2-Dichloropropane	0.0005	ppm	n-Heptane	0.0005	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.0005	ppm	o-Xylene	0.0005	ppm
1,3,5-Trimethylbenzene	0.0005	ppm	Propene	0.0005	ppm
1,3-Butadiene	0.0005	ppm	sec-Butylbenzene	0.0005	ppm
1,3-Dichlorobenzene	0.0005	ppm	Styrene	0.0005	ppm
1,4-Dichlorobenzene	0.0005	ppm	Tetrachloroethene	0.0005	ppm
1,4-Dioxane	0.0005	ppm	Tetrahydrofuran	0.0005	ppm
2-Butanone (MEK)	0.0005	ppm	Toluene	0.0005	ppm
2-Hexanone (MBK)	0.0005	ppm	trans-1,2-Dichloroethene	0.0005	ppm
4-Ethyltoluene	0.0005	ppm	trans-1,3-Dichloropropene	0.0005	ppm
4-Isopropyltoluene	0.0005	ppm	Trichloroethene	0.0005	ppm
4-Methyl-2-pentanone (MIBK)	0.0005	ppm	Trichlorofluoromethane (Freon 11)	0.0005	ppm
Acetone	0.0005	ppm	Vinyl acetate	0.0005	ppm
Acrylonitrile	0.0005	ppm	Vinyl chloride	0.0005	ppm
Benzene	0.0005	ppm			
Benzyl chloride	0.0005	ppm			
Bromodichloromethane	0.0005	ppm			
Bromoform	0.0005	ppm			
Bromomethane	0.0005	ppm			
Carbon disulfide	0.0005	ppm			
Carbon tetrachloride	0.0005	ppm			
Chlorobenzene	0.0005	ppm			
Chloroethane	0.0005	ppm			
Chloroform	0.0005	ppm			
Chloromethane	0.0005	ppm			
cis-1,2-Dichloroethene	0.0005	ppm			
cis-1,3-Dichloropropene	0.0005	ppm			
Cyclohexane	0.0005	ppm			
Dibromochloromethane	0.0005	ppm			

STANDARD RECORD

8C04030

Description: Level 4 cal = 1.0ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 1000

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

100ml of 10ppbv calibration standard = 1.0ppbv standard

Ampules: 8D01025 (100 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.001	ppm	Dichlorodifluoromethane (Freon12)	0.001	ppm
1,1,1-Trichloroethane	0.001	ppm	Ethanol	0.001	ppm
1,1,2,2-Tetrachloroethane	0.001	ppm	Ethyl acetate	0.001	ppm
1,1,2-Trichloroethane	0.001	ppm	Ethylbenzene	0.001	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.001	ppm	Hexachlorobutadiene	0.001	ppm
1,1-Dichloroethane	0.001	ppm	Hexane	0.001	ppm
1,1-Dichloroethene	0.001	ppm	Isopropyl alcohol	0.001	ppm
1,2,4-Trichlorobenzene	0.001	ppm	Isopropylbenzene	0.001	ppm
1,2,4-Trimethylbenzene	0.001	ppm	m,p-Xylene	0.002	ppm
1,2-Dibromoethane (EDB)	0.001	ppm	Methyl tert-butyl ether	0.001	ppm
1,2-Dichlorobenzene	0.001	ppm	Methylene chloride	0.001	ppm
1,2-Dichloroethane	0.001	ppm	n-Butylbenzene	0.001	ppm
1,2-Dichloropropane	0.001	ppm	n-Heptane	0.001	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.001	ppm	o-Xylene	0.001	ppm
1,3,5-Trimethylbenzene	0.001	ppm	Propene	0.001	ppm
1,3-Butadiene	0.001	ppm	sec-Butylbenzene	0.001	ppm
1,3-Dichlorobenzene	0.001	ppm	Styrene	0.001	ppm
1,4-Dichlorobenzene	0.001	ppm	Tetrachloroethene	0.001	ppm
1,4-Dioxane	0.001	ppm	Tetrahydrofuran	0.001	ppm
2-Butanone (MEK)	0.001	ppm	Toluene	0.001	ppm
2-Hexanone (MBK)	0.001	ppm	trans-1,2-Dichloroethene	0.001	ppm
4-Ethyltoluene	0.001	ppm	trans-1,3-Dichloropropene	0.001	ppm
4-Isopropyltoluene	0.001	ppm	Trichloroethene	0.001	ppm
4-Methyl-2-pentanone (MIBK)	0.001	ppm	Trichlorofluoromethane (Freon 11)	0.001	ppm
Acetone	0.001	ppm	Vinyl acetate	0.001	ppm
Acrylonitrile	0.001	ppm	Vinyl chloride	0.001	ppm
Benzene	0.001	ppm			
Benzyl chloride	0.001	ppm			
Bromodichloromethane	0.001	ppm			
Bromoform	0.001	ppm			
Bromomethane	0.001	ppm			
Carbon disulfide	0.001	ppm			
Carbon tetrachloride	0.001	ppm			
Chlorobenzene	0.001	ppm			
Chloroethane	0.001	ppm			
Chloroform	0.001	ppm			
Chloromethane	0.001	ppm			
cis-1,2-Dichloroethene	0.001	ppm			
cis-1,3-Dichloropropene	0.001	ppm			
Cyclohexane	0.001	ppm			
Dibromochloromethane	0.001	ppm			

STANDARD RECORD

8C04031

Description: Level 5 cal = 2ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 1000

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

200ml of 10ppbv calibration standard = 2.0ppbv standard

Ampules: 8D01025 (200 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.002	ppm	Dichlorodifluoromethane (Freon12)	0.002	ppm
1,1,1-Trichloroethane	0.002	ppm	Ethanol	0.002	ppm
1,1,2,2-Tetrachloroethane	0.002	ppm	Ethyl acetate	0.002	ppm
1,1,2-Trichloroethane	0.002	ppm	Ethylbenzene	0.002	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.002	ppm	Hexachlorobutadiene	0.002	ppm
1,1-Dichloroethane	0.002	ppm	Hexane	0.002	ppm
1,1-Dichloroethene	0.002	ppm	Isopropyl alcohol	0.002	ppm
1,2,4-Trichlorobenzene	0.002	ppm	Isopropylbenzene	0.002	ppm
1,2,4-Trimethylbenzene	0.002	ppm	m,p-Xylene	0.004	ppm
1,2-Dibromoethane (EDB)	0.002	ppm	Methyl tert-butyl ether	0.002	ppm
1,2-Dichlorobenzene	0.002	ppm	Methylene chloride	0.002	ppm
1,2-Dichloroethane	0.002	ppm	n-Butylbenzene	0.002	ppm
1,2-Dichloropropane	0.002	ppm	n-Heptane	0.002	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.002	ppm	o-Xylene	0.002	ppm
1,3,5-Trimethylbenzene	0.002	ppm	Propene	0.002	ppm
1,3-Butadiene	0.002	ppm	sec-Butylbenzene	0.002	ppm
1,3-Dichlorobenzene	0.002	ppm	Styrene	0.002	ppm
1,4-Dichlorobenzene	0.002	ppm	Tetrachloroethene	0.002	ppm
1,4-Dioxane	0.002	ppm	Tetrahydrofuran	0.002	ppm
2-Butanone (MEK)	0.002	ppm	Toluene	0.002	ppm
2-Hexanone (MBK)	0.002	ppm	trans-1,2-Dichloroethene	0.002	ppm
4-Ethyltoluene	0.002	ppm	trans-1,3-Dichloropropene	0.002	ppm
4-Isopropyltoluene	0.002	ppm	Trichloroethene	0.002	ppm
4-Methyl-2-pentanone (MIBK)	0.002	ppm	Trichlorofluoromethane (Freon 11)	0.002	ppm
Acetone	0.002	ppm	Vinyl acetate	0.002	ppm
Acrylonitrile	0.002	ppm	Vinyl chloride	0.002	ppm
Benzene	0.002	ppm			
Benzyl chloride	0.002	ppm			
Bromodichloromethane	0.002	ppm			
Bromoform	0.002	ppm			
Bromomethane	0.002	ppm			
Carbon disulfide	0.002	ppm			
Carbon tetrachloride	0.002	ppm			
Chlorobenzene	0.002	ppm			
Chloroethane	0.002	ppm			
Chloroform	0.002	ppm			
Chloromethane	0.002	ppm			
cis-1,2-Dichloroethene	0.002	ppm			
cis-1,3-Dichloropropene	0.002	ppm			
Cyclohexane	0.002	ppm			
Dibromochloromethane	0.002	ppm			

STANDARD RECORD

8C04032

Description:	Level 6 cal = 5ppbv		
Last Edit:	23-Apr-2008 13:54 by KRL		
Standard Type:	Calibration Standard	Expires:	04-Mar-09
Solvent:	0104az70002 110	Prepared:	04-Mar-08
Vials:	1	Prepared By:	Kevin LaPlante
Final Volume (mls):	1000	Department:	Air

500ml of 10ppbv calibration standard = 5.0ppbv standard

Ampules: 8D01025 (500 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.005	ppm	Dichlorodifluoromethane (Freon12)	0.005	ppm
1,1,1-Trichloroethane	0.005	ppm	Ethanol	0.005	ppm
1,1,2,2-Tetrachloroethane	0.005	ppm	Ethyl acetate	0.005	ppm
1,1,2-Trichloroethane	0.005	ppm	Ethylbenzene	0.005	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.005	ppm	Hexachlorobutadiene	0.005	ppm
1,1-Dichloroethane	0.005	ppm	Hexane	0.005	ppm
1,1-Dichloroethene	0.005	ppm	Isopropyl alcohol	0.005	ppm
1,2,4-Trichlorobenzene	0.005	ppm	Isopropylbenzene	0.005	ppm
1,2,4-Trimethylbenzene	0.005	ppm	m,p-Xylene	0.01	ppm
1,2-Dibromoethane (EDB)	0.005	ppm	Methyl tert-butyl ether	0.005	ppm
1,2-Dichlorobenzene	0.005	ppm	Methylene chloride	0.005	ppm
1,2-Dichloroethane	0.005	ppm	n-Butylbenzene	0.005	ppm
1,2-Dichloropropane	0.005	ppm	n-Heptane	0.005	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.005	ppm	o-Xylene	0.005	ppm
1,3,5-Trimethylbenzene	0.005	ppm	Propene	0.005	ppm
1,3-Butadiene	0.005	ppm	sec-Butylbenzene	0.005	ppm
1,3-Dichlorobenzene	0.005	ppm	Styrene	0.005	ppm
1,4-Dichlorobenzene	0.005	ppm	Tetrachloroethene	0.005	ppm
1,4-Dioxane	0.005	ppm	Tetrahydrofuran	0.005	ppm
2-Butanone (MEK)	0.005	ppm	Toluene	0.005	ppm
2-Hexanone (MBK)	0.005	ppm	trans-1,2-Dichloroethene	0.005	ppm
4-Ethyltoluene	0.005	ppm	trans-1,3-Dichloropropene	0.005	ppm
4-Isopropyltoluene	0.005	ppm	Trichloroethene	0.005	ppm
4-Methyl-2-pentanone (MIBK)	0.005	ppm	Trichlorofluoromethane (Freon 11)	0.005	ppm
Acetone	0.005	ppm	Vinyl acetate	0.005	ppm
Acrylonitrile	0.005	ppm	Vinyl chloride	0.005	ppm
Benzene	0.005	ppm			
Benzyl chloride	0.005	ppm			
Bromodichloromethane	0.005	ppm			
Bromoform	0.005	ppm			
Bromomethane	0.005	ppm			
Carbon disulfide	0.005	ppm			
Carbon tetrachloride	0.005	ppm			
Chlorobenzene	0.005	ppm			
Chloroethane	0.005	ppm			
Chloroform	0.005	ppm			
Chloromethane	0.005	ppm			
cis-1,2-Dichloroethene	0.005	ppm			
cis-1,3-Dichloropropene	0.005	ppm			
Cyclohexane	0.005	ppm			
Dibromochloromethane	0.005	ppm			

STANDARD RECORD

8C04033

Description: Level 7 cal = 10ppbv

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 1000

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

1000ml of 10ppbv calibration standard = 10.0ppbv standard

Ampules: 8D01025 (1000 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.01	ppm	Dichlorodifluoromethane (Freon12)	0.01	ppm
1,1,1-Trichloroethane	0.01	ppm	Ethanol	0.01	ppm
1,1,2,2-Tetrachloroethane	0.01	ppm	Ethyl acetate	0.01	ppm
1,1,2-Trichloroethane	0.01	ppm	Ethylbenzene	0.01	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.01	ppm	Hexachlorobutadiene	0.01	ppm
1,1-Dichloroethane	0.01	ppm	Hexane	0.01	ppm
1,1-Dichloroethene	0.01	ppm	Isopropyl alcohol	0.01	ppm
1,2,4-Trichlorobenzene	0.01	ppm	Isopropylbenzene	0.01	ppm
1,2,4-Trimethylbenzene	0.01	ppm	m,p-Xylene	0.02	ppm
1,2-Dibromoethane (EDB)	0.01	ppm	Methyl tert-butyl ether	0.01	ppm
1,2-Dichlorobenzene	0.01	ppm	Methylene chloride	0.01	ppm
1,2-Dichloroethane	0.01	ppm	n-Butylbenzene	0.01	ppm
1,2-Dichloropropane	0.01	ppm	n-Heptane	0.01	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.01	ppm	o-Xylene	0.01	ppm
1,3,5-Trimethylbenzene	0.01	ppm	Propene	0.01	ppm
1,3-Butadiene	0.01	ppm	sec-Butylbenzene	0.01	ppm
1,3-Dichlorobenzene	0.01	ppm	Styrene	0.01	ppm
1,4-Dichlorobenzene	0.01	ppm	Tetrachloroethene	0.01	ppm
1,4-Dioxane	0.01	ppm	Tetrahydrofuran	0.01	ppm
2-Butanone (MEK)	0.01	ppm	Toluene	0.01	ppm
2-Hexanone (MBK)	0.01	ppm	trans-1,2-Dichloroethene	0.01	ppm
4-Ethyltoluene	0.01	ppm	trans-1,3-Dichloropropene	0.01	ppm
4-Isopropyltoluene	0.01	ppm	Trichloroethene	0.01	ppm
4-Methyl-2-pentanone (MIBK)	0.01	ppm	Trichlorofluoromethane (Freon 11)	0.01	ppm
Acetone	0.01	ppm	Vinyl acetate	0.01	ppm
Acrylonitrile	0.01	ppm	Vinyl chloride	0.01	ppm
Benzene	0.01	ppm			
Benzyl chloride	0.01	ppm			
Bromodichloromethane	0.01	ppm			
Bromoform	0.01	ppm			
Bromomethane	0.01	ppm			
Carbon disulfide	0.01	ppm			
Carbon tetrachloride	0.01	ppm			
Chlorobenzene	0.01	ppm			
Chloroethane	0.01	ppm			
Chloroform	0.01	ppm			
Chloromethane	0.01	ppm			
cis-1,2-Dichloroethene	0.01	ppm			
cis-1,3-Dichloropropene	0.01	ppm			
Cyclohexane	0.01	ppm			
Dibromochloromethane	0.01	ppm			

STANDARD RECORD

8C04034

Description: 2ppbv to-15low ccc

Last Edit: 23-Apr-2008 13:55 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 1000

Expires: 04-Mar-09
Prepared: 04-Mar-08
Prepared By: Kevin LaPlante
Department: Air

200ml of 10ppbv calibration standard = 2ppbv standard
Low level CCC

Ampules: 8D01025 (200 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.002	ppm	Dichlorodifluoromethane (Freon12)	0.002	ppm
1,1,1-Trichloroethane	0.002	ppm	Ethanol	0.002	ppm
1,1,2,2-Tetrachloroethane	0.002	ppm	Ethyl acetate	0.002	ppm
1,1,2-Trichloroethane	0.002	ppm	Ethylbenzene	0.002	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.002	ppm	Hexachlorobutadiene	0.002	ppm
1,1-Dichloroethane	0.002	ppm	Hexane	0.002	ppm
1,1-Dichloroethene	0.002	ppm	Isopropyl alcohol	0.002	ppm
1,2,4-Trichlorobenzene	0.002	ppm	Isopropylbenzene	0.002	ppm
1,2,4-Trimethylbenzene	0.002	ppm	m,p-Xylene	0.004	ppm
1,2-Dibromoethane (EDB)	0.002	ppm	Methyl tert-butyl ether	0.002	ppm
1,2-Dichlorobenzene	0.002	ppm	Methylene chloride	0.002	ppm
1,2-Dichloroethane	0.002	ppm	n-Butylbenzene	0.002	ppm
1,2-Dichloropropane	0.002	ppm	n-Heptane	0.002	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.002	ppm	o-Xylene	0.002	ppm
1,3,5-Trimethylbenzene	0.002	ppm	Propene	0.002	ppm
1,3-Butadiene	0.002	ppm	sec-Butylbenzene	0.002	ppm
1,3-Dichlorobenzene	0.002	ppm	Styrene	0.002	ppm
1,4-Dichlorobenzene	0.002	ppm	Tetrachloroethene	0.002	ppm
1,4-Dioxane	0.002	ppm	Tetrahydrofuran	0.002	ppm
2-Butanone (MEK)	0.002	ppm	Toluene	0.002	ppm
2-Hexanone (MBK)	0.002	ppm	trans-1,2-Dichloroethene	0.002	ppm
4-Ethyltoluene	0.002	ppm	trans-1,3-Dichloropropene	0.002	ppm
4-Isopropyltoluene	0.002	ppm	Trichloroethene	0.002	ppm
4-Methyl-2-pentanone (MIBK)	0.002	ppm	Trichlorofluoromethane (Freon 11)	0.002	ppm
Acetone	0.002	ppm	Vinyl acetate	0.002	ppm
Acrylonitrile	0.002	ppm	Vinyl chloride	0.002	ppm
Benzene	0.002	ppm			
Benzyl chloride	0.002	ppm			
Bromodichloromethane	0.002	ppm			
Bromoform	0.002	ppm			
Bromomethane	0.002	ppm			
Carbon disulfide	0.002	ppm			
Carbon tetrachloride	0.002	ppm			
Chlorobenzene	0.002	ppm			
Chloroethane	0.002	ppm			
Chloroform	0.002	ppm			
Chloromethane	0.002	ppm			
cis-1,2-Dichloroethene	0.002	ppm			
cis-1,3-Dichloropropene	0.002	ppm			
Cyclohexane	0.002	ppm			
Dibromochloromethane	0.002	ppm			

STANDARD RECORD

8C05001

Description: TO-15 QC stock

Last Edit: 15-Apr-2008 11:59 by KRL

Standard Type: Reference Material
Solvent: 1058610695
Vials: 1
Final Volume (mls): 2500

Expires: 22-Feb-09
Prepared: 05-Mar-08
Prepared By: Kevin LaPlante
Department: Air

Matheson gases Lot # 1058610695 Work order # 439075
1ppm stock standard used to prepare 10ppbv working standard (QC).

Ampules:

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1-Trichloroethane	1	ppm	Hexane	1	ppm
1,1,2,2-Tetrachloroethane	1	ppm	Isopropyl alcohol	1	ppm
1,1,2-Trichloroethane	1	ppm	m,p-Xylene	2	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	1	ppm	Methyl tert-butyl ether	1	ppm
1,1-Dichloroethane	1	ppm	Methylene chloride	1	ppm
1,1-Dichloroethene	1	ppm	n-Heptane	1	ppm
1,2,4-Trichlorobenzene	1	ppm	o-Xylene	1	ppm
1,2,4-Trimethylbenzene	1	ppm	Propene	1	ppm
1,2-Dibromoethane (EDB)	1	ppm	Styrene	1	ppm
1,2-Dichlorobenzene	1	ppm	Tetrachloroethene	1	ppm
1,2-Dichloroethane	1	ppm	Tetrahydrofuran	0.42	ppm
1,2-Dichloropropane	1	ppm	Toluene	1	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	1	ppm	trans-1,2-Dichloroethene	1	ppm
1,3,5-Trimethylbenzene	1	ppm	trans-1,3-Dichloropropene	1	ppm
1,3-Butadiene	1	ppm	Trichloroethene	1	ppm
1,3-Dichlorobenzene	1	ppm	Trichlorofluoromethane (Freon 11)	1	ppm
1,4-Dichlorobenzene	1	ppm	Vinyl acetate	1	ppm
2-Butanone (MEK)	1	ppm	Vinyl chloride	1	ppm
2-Hexanone (MBK)	1	ppm			
4-Ethyltoluene	1	ppm			
4-Methyl-2-pentanone (MIBK)	1	ppm			
Acetone	1	ppm			
Benzene	1	ppm			
Benzyl chloride	1	ppm			
Bromodichloromethane	1	ppm			
Bromoform	1	ppm			
Bromomethane	1	ppm			
Carbon disulfide	1	ppm			
Carbon tetrachloride	1	ppm			
Chlorobenzene	1	ppm			
Chloroethane	1	ppm			
Chloroform	1	ppm			
Chloromethane	1	ppm			
cis-1,2-Dichloroethene	1	ppm			
cis-1,3-Dichloropropene	1	ppm			
Cyclohexane	1	ppm			
Dibromochloromethane	1	ppm			
Ethanol	1	ppm			
Ethyl acetate	1	ppm			
Ethylbenzene	1	ppm			
Hexachlorobutadiene	1	ppm			

STANDARD RECORD

8C05002

Description:	TO-15 QC stock make-up		
Last Edit:	03-Apr-2008 16:13 by JN		
Standard Type:	Reference Material	Expires:	05-Mar-09
Solvent:	1058610736	Prepared:	05-Mar-08
Vials:	1	Prepared By:	Kevin LaPlante
Final Volume (mls):	2500	Department:	Air

Matheson gases Lot # 1058610736 Work order # 440033
1ppm stock standard used to prepare 10ppbv working standard (QC).

Ampules:

Analyte	Concentration	Units	Analyte	Concentration	Units
Dichlorodifluoromethane (Freon12)	1	ppm			
Tetrahydrofuran	0.58	ppm			

STANDARD RECORD

8C05003

Description: 10PPBV TO-15 QC

Last Edit: 28-Apr-2008 14:32 by KRL

Standard Type: Analyte Spike
Solvent: 10586610695/1058610736
Vials: 1
Final Volume (mls): 2500

Expires: 22-Feb-09
Prepared: 05-Mar-08
Prepared By: Kevin LaPlante
Department: Air

25ml of standard 1058610695 and 25ml standard 1058610736 plus 2450ml N2 to make 10ppbv TO-15 QC

Ampules: 8C05001 (25 ml) 8C05002 (25 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1-Trichloroethane	0.01	ppm	Hexachlorobutadiene	0.01	ppm
1,1,2,2-Tetrachloroethane	0.01	ppm	Hexane	0.01	ppm
1,1,2-Trichloroethane	0.01	ppm	Isopropyl alcohol	0.01	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.01	ppm	m,p-Xylene	0.02	ppm
1,1-Dichloroethane	0.01	ppm	Methyl tert-butyl ether	0.01	ppm
1,1-Dichloroethene	0.01	ppm	Methylene chloride	0.01	ppm
1,2,4-Trichlorobenzene	0.01	ppm	n-Heptane	0.01	ppm
1,2,4-Trimethylbenzene	0.01	ppm	o-Xylene	0.01	ppm
1,2-Dibromoethane (EDB)	0.01	ppm	Propene	0.01	ppm
1,2-Dichlorobenzene	0.01	ppm	Styrene	0.01	ppm
1,2-Dichloroethane	0.01	ppm	Tetrachloroethene	0.01	ppm
1,2-Dichloropropane	0.01	ppm	Tetrahydrofuran	0.01	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.01	ppm	Toluene	0.01	ppm
1,3,5-Trimethylbenzene	0.01	ppm	trans-1,2-Dichloroethene	0.01	ppm
1,3-Butadiene	0.01	ppm	trans-1,3-Dichloropropene	0.01	ppm
1,3-Dichlorobenzene	0.01	ppm	Trichloroethene	0.01	ppm
1,4-Dichlorobenzene	0.01	ppm	Trichlorofluoromethane (Freon 11)	0.01	ppm
2-Butanone (MEK)	0.01	ppm	Vinyl acetate	0.01	ppm
2-Hexanone (MBK)	0.01	ppm	Vinyl chloride	0.01	ppm
4-Ethyltoluene	0.01	ppm			
4-Methyl-2-pentanone (MIBK)	0.01	ppm			
Acetone	0.01	ppm			
Benzene	0.01	ppm			
Benzyl chloride	0.01	ppm			
Bromodichloromethane	0.01	ppm			
Bromoform	0.01	ppm			
Bromomethane	0.01	ppm			
Carbon disulfide	0.01	ppm			
Carbon tetrachloride	0.01	ppm			
Chlorobenzene	0.01	ppm			
Chloroethane	0.01	ppm			
Chloroform	0.01	ppm			
Chloromethane	0.01	ppm			
cis-1,2-Dichloroethene	0.01	ppm			
cis-1,3-Dichloropropene	0.01	ppm			
Cyclohexane	0.01	ppm			
Dibromochloromethane	0.01	ppm			
Dichlorodifluoromethane (Freon12)	0.01	ppm			
Ethanol	0.01	ppm			
Ethyl acetate	0.01	ppm			
Ethylbenzene	0.01	ppm			

STANDARD RECORD

8C06005

Description: 2ppbv TO-15 low qc

Last Edit: 28-Apr-2008 14:32 by KRL

Standard Type: Analyte Spike
Solvent: 10586610695/1058610736
Vials: 1
Final Volume (mls): 1000

Expires: 22-Feb-09
Prepared: 06-Mar-08
Prepared By: Wesley Bryon
Department: Air

200ml from 10ppbv qc standard = 2ppbv qc
WB

Ampules: 8C05003 (200 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1-Trichloroethane	0.002	ppm	Hexachlorobutadiene	0.002	ppm
1,1,2,2-Tetrachloroethane	0.002	ppm	Hexane	0.002	ppm
1,1,2-Trichloroethane	0.002	ppm	Isopropyl alcohol	0.002	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.002	ppm	m,p-Xylene	0.004	ppm
1,1-Dichloroethane	0.002	ppm	Methyl tert-butyl ether	0.002	ppm
1,1-Dichloroethene	0.002	ppm	Methylene chloride	0.002	ppm
1,2,4-Trichlorobenzene	0.002	ppm	n-Heptane	0.002	ppm
1,2,4-Trimethylbenzene	0.002	ppm	o-Xylene	0.002	ppm
1,2-Dibromoethane (EDB)	0.002	ppm	Propene	0.002	ppm
1,2-Dichlorobenzene	0.002	ppm	Styrene	0.002	ppm
1,2-Dichloroethane	0.002	ppm	Tetrachloroethene	0.002	ppm
1,2-Dichloropropane	0.002	ppm	Tetrahydrofuran	0.002	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.002	ppm	Toluene	0.002	ppm
1,3,5-Trimethylbenzene	0.002	ppm	trans-1,2-Dichloroethene	0.002	ppm
1,3-Butadiene	0.002	ppm	trans-1,3-Dichloropropene	0.002	ppm
1,3-Dichlorobenzene	0.002	ppm	Trichloroethene	0.002	ppm
1,4-Dichlorobenzene	0.002	ppm	Trichlorofluoromethane (Freon 11)	0.002	ppm
2-Butanone (MEK)	0.002	ppm	Vinyl acetate	0.002	ppm
2-Hexanone (MBK)	0.002	ppm	Vinyl chloride	0.002	ppm
4-Ethyltoluene	0.002	ppm			
4-Methyl-2-pentanone (MIBK)	0.002	ppm			
Acetone	0.002	ppm			
Benzene	0.002	ppm			
Benzyl chloride	0.002	ppm			
Bromodichloromethane	0.002	ppm			
Bromoform	0.002	ppm			
Bromomethane	0.002	ppm			
Carbon disulfide	0.002	ppm			
Carbon tetrachloride	0.002	ppm			
Chlorobenzene	0.002	ppm			
Chloroethane	0.002	ppm			
Chloroform	0.002	ppm			
Chloromethane	0.002	ppm			
cis-1,2-Dichloroethene	0.002	ppm			
cis-1,3-Dichloropropene	0.002	ppm			
Cyclohexane	0.002	ppm			
Dibromochloromethane	0.002	ppm			
Dichlorodifluoromethane (Freon12)	0.002	ppm			
Ethanol	0.002	ppm			
Ethyl acetate	0.002	ppm			
Ethylbenzene	0.002	ppm			

STANDARD RECORD

8D01024

Description:	TO-15CCC/CAL MAKE-UP STOCK		
Last Edit:	01-Apr-2008 15:41 by KRL		
Standard Type:	Analyte Spike	Expires:	19-Mar-09
Solvent:	0104a700013 110	Prepared:	01-Apr-08
Vials:	1	Prepared By:	Kevin LaPlante
Final Volume (mls):	1	Department:	Air

Scott TO-15 compounds
Cylinder serial # - st000095401. Mixture ID/Lot # - 807301j
1ppm stock standard used in combination w/stock ccc std to make 10ppbv and 50ppbv working std.

Ampules:

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	1	ug/mL			
1,4-Dioxane	1	ug/mL			
4-Isopropyltoluene	1	ug/mL			
Acrylonitrile	1	ug/mL			
Isopropylbenzene	1	ug/mL			
n-Butylbenzene	1	ug/mL			
sec-Butylbenzene	1	ug/mL			

STANDARD RECORD

8D01025

Description:	10ppbv TO-15 CCC/CAL		
Last Edit:	23-Apr-2008 13:54 by KRL		
Standard Type:	Calibration Standard	Expires:	04-Mar-09
Solvent:	0104az70002 110	Prepared:	01-Apr-08
Vials:	1	Prepared By:	Kevin LaPlante
Final Volume (mls):	2500	Department:	Air

10ppbv standard made from 8C04012 (1ppm TO-15 stock standard) and make-up standard 8D01024
2450ml Nitrogen/25ml stock standard/25ml make-up standard = 1:100 = 10ppbv

Ampules: 8C04012 (25 ml) 8D01024 (25 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.01	ppm	Dichlorodifluoromethane (Freon12)	0.01	ppm
1,1,1-Trichloroethane	0.01	ppm	Ethanol	0.01	ppm
1,1,2,2-Tetrachloroethane	0.01	ppm	Ethyl acetate	0.01	ppm
1,1,2-Trichloroethane	0.01	ppm	Ethylbenzene	0.01	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.01	ppm	Hexachlorobutadiene	0.01	ppm
1,1-Dichloroethane	0.01	ppm	Hexane	0.01	ppm
1,1-Dichloroethene	0.01	ppm	Isopropyl alcohol	0.01	ppm
1,2,4-Trichlorobenzene	0.01	ppm	Isopropylbenzene	0.01	ppm
1,2,4-Trimethylbenzene	0.01	ppm	m,p-Xylene	0.02	ppm
1,2-Dibromoethane (EDB)	0.01	ppm	Methyl tert-butyl ether	0.01	ppm
1,2-Dichlorobenzene	0.01	ppm	Methylene chloride	0.01	ppm
1,2-Dichloroethane	0.01	ppm	n-Butylbenzene	0.01	ppm
1,2-Dichloropropane	0.01	ppm	n-Heptane	0.01	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.01	ppm	o-Xylene	0.01	ppm
1,3,5-Trimethylbenzene	0.01	ppm	Propene	0.01	ppm
1,3-Butadiene	0.01	ppm	sec-Butylbenzene	0.01	ppm
1,3-Dichlorobenzene	0.01	ppm	Styrene	0.01	ppm
1,4-Dichlorobenzene	0.01	ppm	Tetrachloroethene	0.01	ppm
1,4-Dioxane	0.01	ppm	Tetrahydrofuran	0.01	ppm
2-Butanone (MEK)	0.01	ppm	Toluene	0.01	ppm
2-Hexanone (MBK)	0.01	ppm	trans-1,2-Dichloroethene	0.01	ppm
4-Ethyltoluene	0.01	ppm	trans-1,3-Dichloropropene	0.01	ppm
4-Isopropyltoluene	0.01	ppm	Trichloroethene	0.01	ppm
4-Methyl-2-pentanone (MIBK)	0.01	ppm	Trichlorofluoromethane (Freon 11)	0.01	ppm
Acetone	0.01	ppm	Vinyl acetate	0.01	ppm
Acrylonitrile	0.01	ppm	Vinyl chloride	0.01	ppm
Benzene	0.01	ppm			
Benzyl chloride	0.01	ppm			
Bromodichloromethane	0.01	ppm			
Bromoform	0.01	ppm			
Bromomethane	0.01	ppm			
Carbon disulfide	0.01	ppm			
Carbon tetrachloride	0.01	ppm			
Chlorobenzene	0.01	ppm			
Chloroethane	0.01	ppm			
Chloroform	0.01	ppm			
Chloromethane	0.01	ppm			
cis-1,2-Dichloroethene	0.01	ppm			
cis-1,3-Dichloropropene	0.01	ppm			
Cyclohexane	0.01	ppm			
Dibromochloromethane	0.01	ppm			

STANDARD RECORD

8D03003

Description: 1ppb sim cal/ccc

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Analyte Spike
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 4000

Expires: 04-Mar-09
Prepared: 03-Apr-08
Prepared By: Kevin LaPlante
Department: Air

3996ml N2 + 4ml of 1ppm stock cal std = 1ppbv sim cal standard

Ampules: 8C04012 (4 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1-Trichloroethane	0.001	ppm	Hexachlorobutadiene	0.001	ppm
1,1,2,2-Tetrachloroethane	0.001	ppm	Hexane	0.001	ppm
1,1,2-Trichloroethane	0.001	ppm	Isopropyl alcohol	0.001	ppm
1,1,2-Trichlorotrifluoroethane (Freon 113	0.001	ppm	m,p-Xylene	0.002	ppm
1,1-Dichloroethane	0.001	ppm	Methyl tert-butyl ether	0.001	ppm
1,1-Dichloroethene	0.001	ppm	Methylene chloride	0.001	ppm
1,2,4-Trichlorobenzene	0.001	ppm	n-Heptane	0.001	ppm
1,2,4-Trimethylbenzene	0.001	ppm	o-Xylene	0.001	ppm
1,2-Dibromoethane (EDB)	0.001	ppm	Propene	0.001	ppm
1,2-Dichlorobenzene	0.001	ppm	Styrene	0.001	ppm
1,2-Dichloroethane	0.001	ppm	Tetrachloroethene	0.001	ppm
1,2-Dichloropropane	0.001	ppm	Tetrahydrofuran	0.001	ppm
1,2-Dichlorotetrafluoroethane (Freon 114	0.001	ppm	Toluene	0.001	ppm
1,3,5-Trimethylbenzene	0.001	ppm	trans-1,2-Dichloroethene	0.001	ppm
1,3-Butadiene	0.001	ppm	trans-1,3-Dichloropropene	0.001	ppm
1,3-Dichlorobenzene	0.001	ppm	Trichloroethene	0.001	ppm
1,4-Dichlorobenzene	0.001	ppm	Trichlorofluoromethane (Freon 11)	0.001	ppm
2-Butanone (MEK)	0.001	ppm	Vinyl acetate	0.001	ppm
2-Hexanone (MBK)	0.001	ppm	Vinyl chloride	0.001	ppm
4-Ethyltoluene	0.001	ppm			
4-Methyl-2-pentanone (MIBK)	0.001	ppm			
Acetone	0.001	ppm			
Benzene	0.001	ppm			
Benzyl chloride	0.001	ppm			
Bromodichloromethane	0.001	ppm			
Bromoform	0.001	ppm			
Bromomethane	0.001	ppm			
Carbon disulfide	0.001	ppm			
Carbon tetrachloride	0.001	ppm			
Chlorobenzene	0.001	ppm			
Chloroethane	0.001	ppm			
Chloroform	0.001	ppm			
Chloromethane	0.001	ppm			
cis-1,2-Dichloroethene	0.001	ppm			
cis-1,3-Dichloropropene	0.001	ppm			
Cyclohexane	0.001	ppm			
Dibromochloromethane	0.001	ppm			
Dichlorodifluoromethane (Freon12)	0.001	ppm			
Ethanol	0.001	ppm			
Ethyl acetate	0.001	ppm			
Ethylbenzene	0.001	ppm			

STANDARD RECORD

8D03005

Description: 0.04ppbv to-15cal std

Last Edit: 23-Apr-2008 13:54 by KRL

Standard Type: Calibration Standard
Solvent: 0104az70002 110
Vials: 1
Final Volume (mls): 1000

Expires: 04-Mar-09
Prepared: 03-Apr-08
Prepared By: Kevin LaPlante
Department: Air

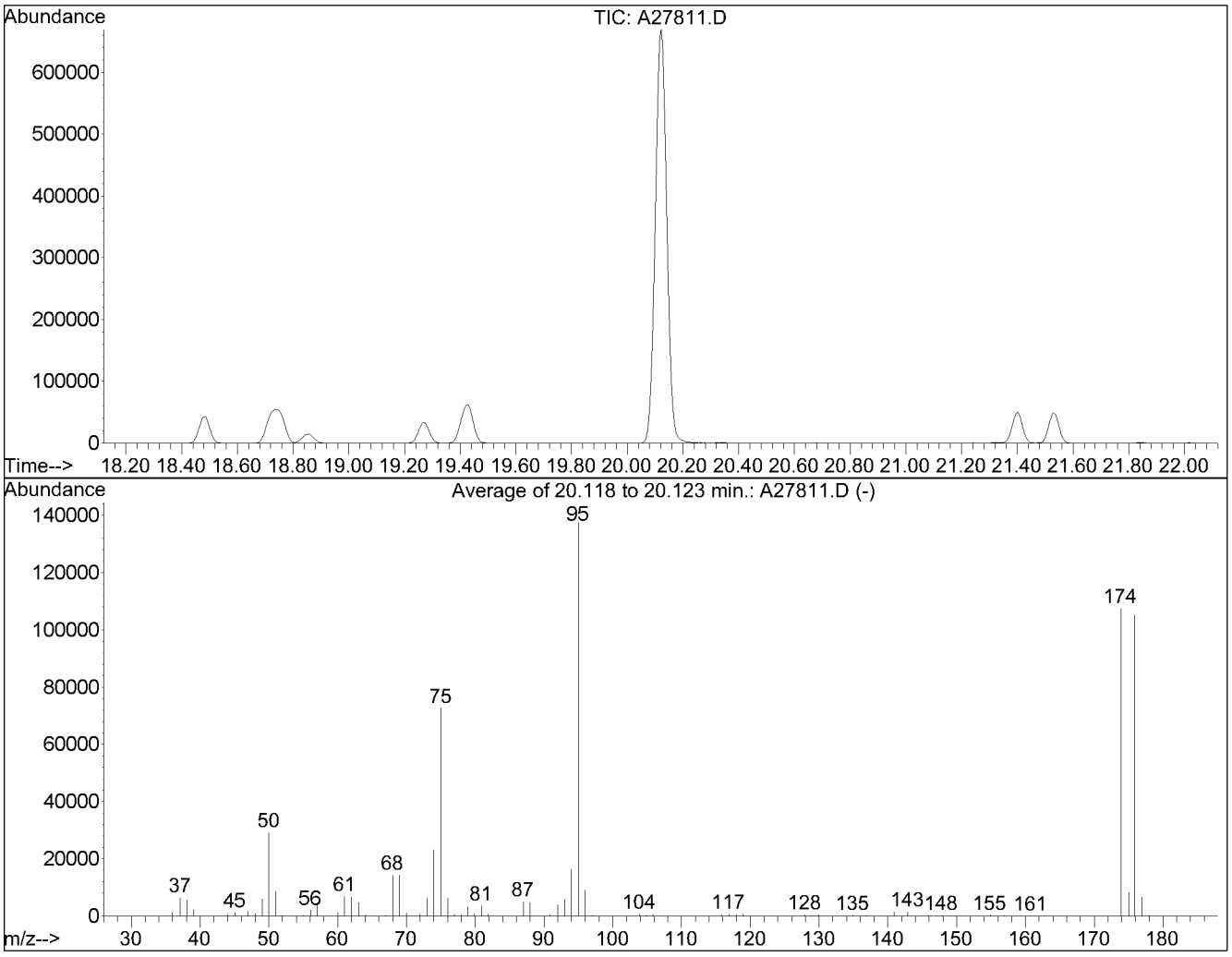
40ml of 1ppbv sim calibration standard = 0.04ppbv standard

Ampules: 8D03003 (40 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1-Trichloroethane	0.00004	ug/mL	Hexachlorobutadiene	0.00004	ug/mL
1,1,2,2-Tetrachloroethane	0.00004	ug/mL	Hexane	0.00004	ug/mL
1,1,2-Trichloroethane	0.00004	ug/mL	Isopropyl alcohol	0.00004	ug/mL
1,1,2-Trichlorotrifluoroethane (Freon 113	0.00004	ug/mL	m,p-Xylene	0.00008	ug/mL
1,1-Dichloroethane	0.00004	ug/mL	Methyl tert-butyl ether	0.00004	ug/mL
1,1-Dichloroethene	0.00004	ug/mL	Methylene chloride	0.00004	ug/mL
1,2,4-Trichlorobenzene	0.00004	ug/mL	n-Heptane	0.00004	ug/mL
1,2,4-Trimethylbenzene	0.00004	ug/mL	o-Xylene	0.00004	ug/mL
1,2-Dibromoethane (EDB)	0.00004	ug/mL	Propene	0.00004	ug/mL
1,2-Dichlorobenzene	0.00004	ug/mL	Styrene	0.00004	ug/mL
1,2-Dichloroethane	0.00004	ug/mL	Tetrachloroethene	0.00004	ug/mL
1,2-Dichloropropane	0.00004	ug/mL	Tetrahydrofuran	0.00004	ug/mL
1,2-Dichlorotetrafluoroethane (Freon 114	0.00004	ug/mL	Toluene	0.00004	ug/mL
1,3,5-Trimethylbenzene	0.00004	ug/mL	trans-1,2-Dichloroethene	0.00004	ug/mL
1,3-Butadiene	0.00004	ug/mL	trans-1,3-Dichloropropene	0.00004	ug/mL
1,3-Dichlorobenzene	0.00004	ug/mL	Trichloroethene	0.00004	ug/mL
1,4-Dichlorobenzene	0.00004	ug/mL	Trichlorofluoromethane (Freon 11)	0.00004	ug/mL
2-Butanone (MEK)	0.00004	ug/mL	Vinyl acetate	0.00004	ug/mL
2-Hexanone (MBK)	0.00004	ug/mL	Vinyl chloride	0.00004	ug/mL
4-Ethyltoluene	0.00004	ug/mL			
4-Methyl-2-pentanone (MIBK)	0.00004	ug/mL			
Acetone	0.00004	ug/mL			
Benzene	0.00004	ug/mL			
Benzyl chloride	0.00004	ug/mL			
Bromodichloromethane	0.00004	ug/mL			
Bromoform	0.00004	ug/mL			
Bromomethane	0.00004	ug/mL			
Carbon disulfide	0.00004	ug/mL			
Carbon tetrachloride	0.00004	ug/mL			
Chlorobenzene	0.00004	ug/mL			
Chloroethane	0.00004	ug/mL			
Chloroform	0.00004	ug/mL			
Chloromethane	0.00004	ug/mL			
cis-1,2-Dichloroethene	0.00004	ug/mL			
cis-1,3-Dichloropropene	0.00004	ug/mL			
Cyclohexane	0.00004	ug/mL			
Dibromochloromethane	0.00004	ug/mL			
Dichlorodifluoromethane (Freon12)	0.00004	ug/mL			
Ethanol	0.00004	ug/mL			
Ethyl acetate	0.00004	ug/mL			
Ethylbenzene	0.00004	ug/mL			

BFB

Data File : G:\APR2008\AIR1\040408\A27811.D Vial: 17
Acq On : 4 Apr 2008 7:30 pm Operator: WB
Sample : 0.5ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :



Spectrum Information: Average of 20.118 to 20.123 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	29269	PASS
75	95	30	60	52.8	72656	PASS
95	95	100	100	100.0	137685	PASS
96	95	5	9	6.7	9244	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.1	107480	PASS
175	174	5	9	7.7	8309	PASS
176	174	95	101	97.9	105227	PASS
177	176	5	9	6.4	6737	PASS

A27811.D T1040408.M Fri Apr 25 09:05:44 2008

Response Factor Report GCMS Air

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

Calibration Files
0.5 =A27811.D 2 =A27812.D 5 =A27813.D
10 =A27814.D 20 =A27815.D 25 =A27817.D

		Compound	0.5	2	5	10	20	25	Avg	%RSD
1)	I	BROMOCHLOROMETHANE	----------ISTD----------							
2)		PROPENE	1.400	0.903	0.822	0.799	0.771	0.924	0.924	21.59
3)		DICHLORODIFLUOROMET	4.992	3.684	3.463	3.345	2.997	3.931	3.693	16.23
4)		CHLOROMETHANE	1.837	1.341	1.251	1.211	1.120	1.436	1.371	15.75
5)		FREON 114	4.175	3.130	2.936	2.858	2.723	3.256	3.139	14.35
6)		VINYL CHLORIDE	1.652	1.213	1.139	1.126	1.078	1.320	1.262	14.25
7)		1,3-BUTADIENE	1.270	0.939	0.884	0.863	0.822	1.015	0.968	14.29
8)		BROMOMETHANE	1.278	0.876	0.831	0.809	0.773	0.953	0.924	17.04
9)		CHLOROETHANE	0.800	0.551	0.508	0.493	0.468	0.601	0.575	18.03
10)		ACETONE	0.808	0.527	0.463	0.458	0.428	0.528	0.534	22.06
11)		TRICHLOROFLUOROMETH	4.555	3.275	3.045	2.985	2.842	3.463	3.356	15.75
12)		ETHANOL	0.628	0.386	0.348	0.336	0.313	0.349	0.384	26.33
13)		ACRYLONITRILE						1.208	1.207	0.63
14)		1,1-DICHLOROETHENE	1.613	1.202	1.134	1.111	1.079	1.286	1.235	13.60
15)		METHYLENE CHLORIDE	1.597	1.145	1.068	1.024	0.995	1.191	1.168	16.04
16)		FREON 113	3.613	2.697	2.553	2.457	2.359	2.784	2.699	14.60
17)		CARBON DISULFIDE	4.768	3.572	3.401	3.307	3.247	3.913	3.726	13.11
18)		TRANS-1,2-DICHLOROE	1.676	1.250	1.195	1.159	1.125	1.349	1.291	13.36
19)		1,1-DICHLOROETHANE	3.506	2.590	2.443	2.376	2.301	2.744	2.642	14.29
20)		MTBE	4.615	3.722	3.557	3.492	3.429	4.066	3.856	10.17
21)		IPA	3.207	2.264	1.996	1.958	1.851	2.327	2.278	18.43
22)		2-BUTANONE(MEK)	0.314	0.239	0.239	0.232	0.231	0.280	0.260	11.40
23)		CIS-1,2-DICHLOROETH	1.760	1.314	1.243	1.209	1.190	1.415	1.355	13.42
24)		HEXANE	3.226	2.354	2.239	2.163	2.077	2.443	2.354	15.94
25)		ETHYL ACETATE	0.560	0.478	0.446	0.434	0.421	0.491	0.464	9.93
26)		CHLOROFORM	3.856	2.870	2.722	2.668	2.609	3.134	2.998	13.32
27)		TETRAHYDROFURAN	0.728	0.587	0.564	0.558	0.551	0.660	0.618	10.17
28)		1,2-DICHLOROETHANE	2.765	2.081	1.966	1.931	1.894	2.285	2.185	13.09
29)		1,1,1-TRICHLOROETHA	3.711	2.804	2.719	2.671	2.631	3.174	2.999	12.20
30)		BENZENE	5.624	4.136	3.912	3.812	3.693	4.397	4.241	14.25
31)		CARBON TETRACHLORID	3.252	2.541	2.507	2.544	2.563	3.104	2.837	11.38
32)		CYCLOHEXANE	3.420	2.579	2.340	2.276	2.178	2.614	2.537	15.23
33)	I	1,4-DIFLUOROBENZENE	----------ISTD----------							
34)		1,2-DICHLOROPROPANE	0.407	0.305	0.285	0.275	0.265	0.309	0.299	15.75
35)		BROMODICHLOROMETHAN	0.673	0.529	0.517	0.512	0.500	0.594	0.550	10.63
36)		1,4-DIOXANE	0.202	0.174	0.157	0.152	0.146	0.154	0.156	14.88
37)		TRICHLOROETHENE	0.455	0.343	0.321	0.311	0.297	0.345	0.334	15.98
38)		HEPTANE	0.381	0.290	0.273	0.263	0.250	0.289	0.280	16.00
39)		MIBK	0.805	0.666	0.630	0.612	0.582	0.664	0.636	12.77
40)		CIS-1,3DICHLOROPROP	0.572	0.461	0.439	0.426	0.410	0.486	0.457	11.57
41)		TRANS-1,3-DICHLOROP	0.494	0.401	0.391	0.391	0.385	0.468	0.426	9.65
42)		1,1,2-TRICHLOROETHA	0.348	0.267	0.252	0.241	0.230	0.272	0.261	14.71

(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

Calibration Files
0.5 =A27811.D 2 =A27812.D 5 =A27813.D
10 =A27814.D 20 =A27815.D 25 =A27817.D

		Compound	0.5	2	5	10	20	25	Avg	%RSD
43)		TOLUENE	1.286	0.950	0.888	0.854	0.817	0.961	0.931	16.51
44)		2-HEXANONE(MBK)	0.348	0.319	0.304	0.299	0.290	0.336	0.312	6.85
45)		DIBROMOCHLOROMETHAN	0.527	0.451	0.462	0.467	0.469	0.567	0.498	8.51
46)		1,2-DIBROMOETHANE	0.617	0.481	0.455	0.442	0.425	0.506	0.478	13.11
47)		TETRACHLOROETHENE	0.624	0.468	0.441	0.425	0.404	0.473	0.458	15.89
48)	I	CHLOROBENZENE-D5	ISTD							
49)		1,1,1,2-TETRACHLORO						0.248	0.225	10.42
50)		CHLOROBENZENE	1.856	1.439	1.336	1.298	1.246	1.520	1.408	14.71
51)		ETHYLBENZENE	3.104	2.399	2.274	2.222	2.131	2.699	2.443	13.13
52)		M/P-XYLENE	1.220	0.963	0.903	0.874	0.826	1.029	0.944	13.86
53)		BROMOFORM	0.797	0.733	0.797	0.863	0.908	1.231	0.958	20.80
54)		STYRENE	1.705	1.382	1.318	1.298	1.255	1.619	1.427	11.32
55)		O-XYLENE	1.171	0.916	0.854	0.822	0.776	0.972	0.894	14.60
56)		1,1,2,2-TETRACHLORO	1.503	1.171	1.104	1.062	1.003	1.302	1.165	14.30
57)	SS	4-BROMOFLUOROBENZEN	1.236	1.253	1.250	1.270	1.269	1.350	1.286	3.33
58)		ISOPROPYLBENZENE						2.944	2.667	10.32
59)		1,3,5-TRIMETHYLBENZ	3.361	2.724	2.605	2.558	2.453	3.190	2.799	11.60
60)		4-ETHYLTOLUENE	2.832	2.285	2.153	2.105	2.018	2.651	2.333	12.16
61)		1,2,4-TRIMETHYLBENZ	2.779	2.225	2.109	2.062	1.974	2.613	2.287	12.39
62)		1,3-DICHLOROBENZENE	1.620	1.332	1.256	1.221	1.165	1.549	1.347	12.00
63)		BENZYL CHLORIDE	1.473	1.407	1.455	1.496	1.496	2.141	1.658	17.02
64)		1,4-DICHLOROBENZENE	1.601	1.331	1.296	1.281	1.236	1.689	1.420	11.75
65)		SEC-BUTYLBENZENE						2.978	2.687	10.80
66)		4-ISOPROPYLTOLUENE						2.820	2.540	11.08
67)		1,2-DICHLOROBENZENE	1.559	1.269	1.205	1.181	1.128	1.574	1.330	12.92
68)		BUTYLBENZENE						2.440	2.196	11.32
69)		1,2,4-TRICHLOROBENZ	0.988	0.860	0.873	0.896	0.894	1.454	1.059	21.95
70)		HEXACHLOROBUTADIENE	1.463	1.127	1.063	1.031	0.977	1.381	1.165	14.99

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27811.D Vial: 17
Acq On : 4 Apr 2008 7:30 pm Operator: WB
Sample : 0.5ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:44 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1176401	10.00	PPBv		0.00
34) 1,4-DIFLUOROBENZENE	12.32	114	6284205	10.00	PPBv		0.00
49) CHLOROBENZENE-D5	17.89	82	3223810	10.00	PPBv		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE	20.12	95	3986112	10.34	PPBv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.40%				
Target Compounds							Qvalue
2) PROPENE	5.05	42	82336	1.00	PPBv		95
3) DICHLORODIFLUOROMETHANE	5.13	85	293629	0.86	PPBv	#	95
4) CHLOROMETHANE	5.32	50	108062	1.07	PPBv		97
5) FREON 114	5.42	85	245586	0.74	PPBv	#	83
6) VINYL CHLORIDE	5.56	62	97199	0.72	PPBv		99
7) 1,3-BUTADIENE	5.71	54	74695	0.70	PPBv		94
8) BROMOMETHANE	6.00	94	75147	0.69	PPBv	#	94
9) CHLOROETHANE	6.18	64	47042	0.66	PPBv	#	42
10) ACETONE	6.81	58	47525	0.64	PPBv		86
11) TRICHLOROFLUOROMETHANE	6.99	101	267925	1.04	PPBv		98
12) ETHANOL	6.30	45	36949	1.08	PPBv	#	43
13) ACRYLONITRILE	0.00	53	0	N.D.			
14) 1,1-DICHLOROETHENE	7.67	96	94854	0.79	PPBv		90
15) METHYLENE CHLORIDE	7.78	84	93925	0.82	PPBv		95
16) FREON 113	8.06	101	212521	0.86	PPBv		91
17) CARBON DISULFIDE	8.13	76	280469	0.76	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	8.79	96	98568	0.83	PPBv		88
19) 1,1-DICHLOROETHANE	9.01	63	206245	0.87	PPBv	#	90
20) MTBE	9.07	73	271472	0.90	PPBv		95
21) IPA	7.05	45	188643	0.93	PPBv	#	93
22) 2-BUTANONE(MEK)	9.43	57	18441m	0.79	PPBv		
23) CIS-1,2-DICHLOROETHENE	9.92	96	103518	0.75	PPBv		92
24) VINYL ACETATE	9.15	86	24963m	0.80	PPBv		
25) HEXANE	10.16	57	189750	0.79	PPBv		79
26) ETHYL ACETATE	10.15	61	32914	0.66	PPBv		99
27) CHLOROFORM	10.25	83	226803	0.91	PPBv		98
28) TETRAHYDROFURAN	10.75	71	42819	0.72	PPBv		98
29) 1,2-DICHLOROETHANE	11.09	62	162608	0.96	PPBv	#	91
30) 1,1,1-TRICHLOROETHANE	11.39	97	218292	1.01	PPBv		94
31) BENZENE	11.93	78	330830	0.82	PPBv		100
32) CARBON TETRACHLORIDE	12.11	119	191266	0.96	PPBv		99
33) CYCLOHEXANE	12.26	56	201166m	0.91	PPBv		
35) 1,2-DICHLOROPROPANE	12.90	63	127826	0.71	PPBv	#	89

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

Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27811.D Vial: 17
Acq On : 4 Apr 2008 7:30 pm Operator: WB
Sample : 0.5ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:44 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

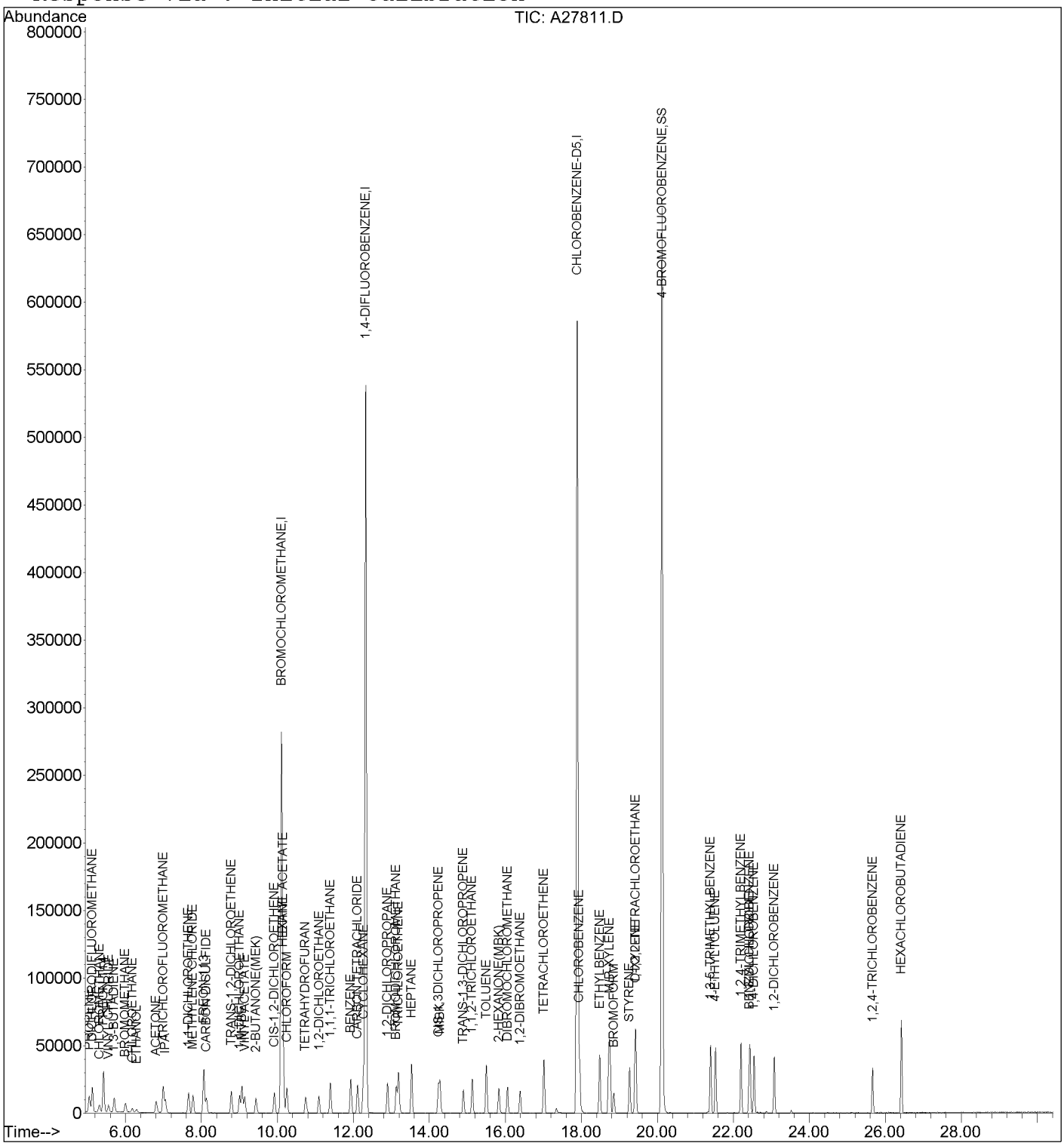
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36)	BROMODICHLOROMETHANE	13.13	83	211431	0.76 PPBv	#	97
37)	1,4-DIOXANE	13.21	88	63569	No Calib	#	
38)	TRICHLOROETHENE	13.18	95	142966	0.88 PPBv		98
39)	HEPTANE	13.53	57	119711	0.79 PPBv		99
40)	MIBK	14.28	43	252850	0.63 PPBv	#	93
41)	CIS-1,3DICHLOROPROPENE	14.24	75	179609	0.77 PPBv		99
42)	TRANS-1,3-DICHLOROPROPENE	14.89	75	155370	0.81 PPBv		98
43)	1,1,2-TRICHLOROETHANE	15.13	83	109444	0.77 PPBv		99
44)	TOLUENE	15.50	91	404051	0.81 PPBv		98
45)	2-HEXANONE(MBK)	15.83	58	109274	0.68 PPBv	#	89
46)	DIBROMOCHLOROMETHANE	16.06	129	165740	1.09 PPBv		98
47)	1,2-DIBROMOETHANE	16.39	107	193984	0.82 PPBv		99
48)	TETRACHLOROETHENE	17.02	166	196023	0.98 PPBv		95
50)	1,1,1,2-TETRACHLOROETHANE	0.00	135	0	N.D.		
51)	CHLOROBENZENE	17.95	112	299237	0.69 PPBv	#	78
52)	ETHYLBENZENE	18.48	91	500266	0.70 PPBv		99
53)	M/P-XYLENE	18.74	106	393249	1.32 PPBv		86
54)	BROMOFORM	18.86	173	128491	0.56 PPBv		100
55)	STYRENE	19.27	104	274779	0.64 PPBv	#	91
56)	O-XYLENE	19.43	106	188738	0.66 PPBv		88
57)	1,1,2,2-TETRACHLOROETHANE	19.41	83	242286	0.58 PPBv	#	96
59)	ISOPROPYLBENZENE	0.00	105	0	N.D.		
60)	1,3,5-TRIMETHYLBENZENE	21.40	105	541768	0.70 PPBv		95
61)	4-ETHYLTOLUENE	21.53	105	456531m	0.73 PPBv		
62)	1,2,4-TRIMETHYLBENZENE	22.20	105	447995	0.71 PPBv		91
63)	1,3-DICHLOROBENZENE	22.44	146	261115	0.67 PPBv		94
64)	BENZYL CHLORIDE	22.41	91	237460	0.71 PPBv		96
65)	1,4-DICHLOROBENZENE	22.55	146	258032	0.75 PPBv		95
66)	SEC-BUTYLBENZENE	22.63	105	12583	No Calib		
67)	4-ISOPROPYLTOLUENE	22.89	119	15385	No Calib		
68)	1,2-DICHLOROBENZENE	23.08	146	251343	0.77 PPBv		97
69)	BUTYLBENZENE	23.53	91	19137	No Calib		
70)	1,2,4-TRICHLOROBENZENE	25.67	180	159188	0.82 PPBv		99
71)	HEXACHLOROBUTADIENE	26.43	225	235766	1.42 PPBv	#	100

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

Quantitation Report

Data File : G:\APR2008\AIR1\040408\A27811.D Vial: 17
Acq On : 4 Apr 2008 7:30 pm Operator: WB
Sample : 0.5ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:44 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27812.D Vial: 18
Acq On : 4 Apr 2008 8:11 pm Operator: WB
Sample : 2ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:46 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1180589	10.00	PPBv		0.00
34) 1,4-DIFLUOROBENZENE	12.33	114	6248108	10.00	PPBv		0.00
49) CHLOROBENZENE-D5	17.89	82	3236396	10.00	PPBv		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE	20.12	95	4056087	10.48	PPBv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.80%				
Target Compounds							Qvalue
2) PROPENE	5.05	42	213288	2.58	PPBv		96
3) DICHLORODIFLUOROMETHANE	5.13	85	869967	2.54	PPBv		99
4) CHLOROMETHANE	5.32	50	316669m	3.12	PPBv		
5) FREON 114	5.42	85	739123	2.22	PPBv	#	84
6) VINYL CHLORIDE	5.56	62	286304	2.10	PPBv		97
7) 1,3-BUTADIENE	5.71	54	221699	2.06	PPBv		97
8) BROMOMETHANE	6.00	94	206927	1.90	PPBv	#	97
9) CHLOROETHANE	6.19	64	129998	1.81	PPBv		96
10) ACETONE	6.81	58	124344	1.66	PPBv		86
11) TRICHLOROFLUOROMETHANE	7.00	101	773330	2.98	PPBv		99
12) ETHANOL	6.29	45	91259	2.67	PPBv	#	89
13) ACRYLONITRILE	0.00	53	0	N.D.			
14) 1,1-DICHLOROETHENE	7.66	96	283839	2.35	PPBv		88
15) METHYLENE CHLORIDE	7.78	84	270354	2.36	PPBv		93
16) FREON 113	8.06	101	636860	2.58	PPBv		88
17) CARBON DISULFIDE	8.13	76	843450	2.28	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	8.79	96	295062	2.47	PPBv		89
19) 1,1-DICHLOROETHANE	9.01	63	611575	2.56	PPBv		97
20) MTBE	9.06	73	878869	2.90	PPBv		95
21) IPA	7.04	45	534499	2.63	PPBv	#	98
22) 2-BUTANONE(MEK)	9.42	57	56374	2.40	PPBv		81
23) CIS-1,2-DICHLOROETHENE	9.92	96	310224	2.24	PPBv		91
24) VINYL ACETATE	9.14	86	77304	2.48	PPBv		80
25) HEXANE	10.16	57	555909	2.31	PPBv		85
26) ETHYL ACETATE	10.15	61	112886	2.25	PPBv		94
27) CHLOROFORM	10.25	83	677624	2.70	PPBv		100
28) TETRAHYDROFURAN	10.73	71	138645	2.31	PPBv		100
29) 1,2-DICHLOROETHANE	11.09	62	491336	2.88	PPBv	#	98
30) 1,1,1-TRICHLOROETHANE	11.40	97	662122	3.04	PPBv		94
31) BENZENE	11.93	78	976547	2.41	PPBv		100
32) CARBON TETRACHLORIDE	12.11	119	600045	3.02	PPBv		99
33) CYCLOHEXANE	12.27	56	609004m	2.76	PPBv		
35) 1,2-DICHLOROPROPANE	12.90	63	381455	2.13	PPBv	#	89

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

Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27812.D Vial: 18
Acq On : 4 Apr 2008 8:11 pm Operator: WB
Sample : 2ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:46 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

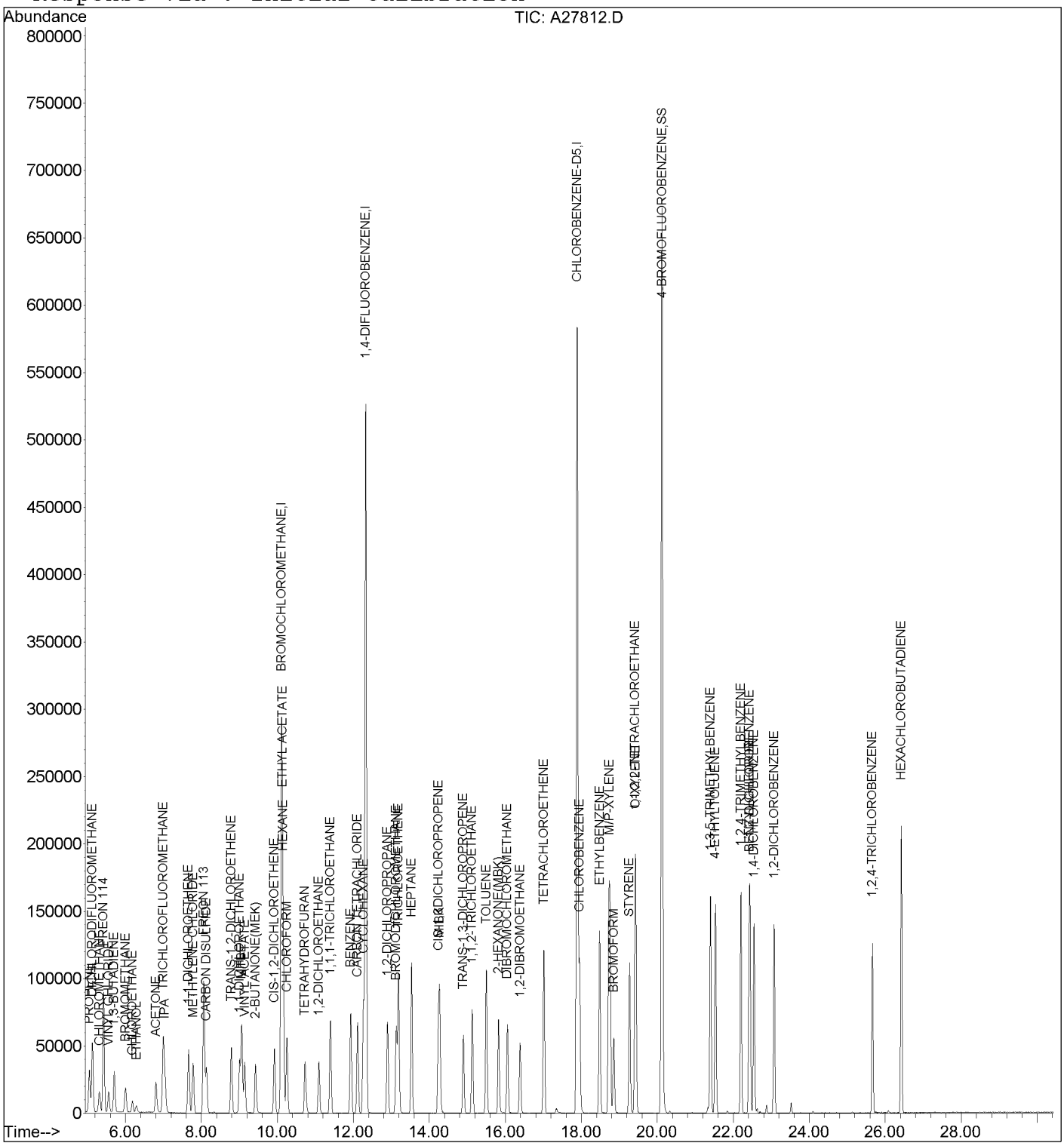
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	BROMODICHLOROMETHANE	13.13	83	661023	2.40	PPBv		99
37)	1,4-DIOXANE	13.19	88	217162	No Calib		#	
38)	TRICHLOROETHENE	13.19	95	428150	2.65	PPBv		100
39)	HEPTANE	13.53	57	362622	2.40	PPBv		98
40)	MIBK	14.27	43	831674	2.10	PPBv	#	92
41)	CIS-1,3DICHLOROPROPENE	14.24	75	576669	2.48	PPBv		99
42)	TRANS-1,3-DICHLOROPROPENE	14.90	75	501623	2.63	PPBv		97
43)	1,1,2-TRICHLOROETHANE	15.13	83	333958	2.35	PPBv		98
44)	TOLUENE	15.50	91	1187053	2.39	PPBv		97
45)	2-HEXANONE(MBK)	15.82	58	399006	2.51	PPBv		89
46)	DIBROMOCHLOROMETHANE	16.06	129	563611	3.72	PPBv		98
47)	1,2-DIBROMOETHANE	16.39	107	600752	2.56	PPBv		100
48)	TETRACHLOROETHENE	17.02	166	585126	2.94	PPBv		97
50)	1,1,1,2-TETRACHLOROETHANE	0.00	135	0	N.D.			
51)	CHLOROBENZENE	17.95	112	931644	2.14	PPBv	#	89
52)	ETHYLBENZENE	18.48	91	1552858	2.17	PPBv		99
53)	M/P-XYLENE	18.74	106	1246312	4.18	PPBv		87
54)	BROMOFORM	18.86	173	474469	2.07	PPBv		99
55)	STYRENE	19.27	104	894487	2.09	PPBv	#	92
56)	O-XYLENE	19.43	106	592720	2.06	PPBv		90
57)	1,1,2,2-TETRACHLOROETHANE	19.41	83	758193	1.80	PPBv	#	98
59)	ISOPROPYLBENZENE	20.33	105	21247	No Calib			
60)	1,3,5-TRIMETHYLBENZENE	21.40	105	1763325	2.26	PPBv		96
61)	4-ETHYLTOLUENE	21.53	105	1478771m	2.36	PPBv		
62)	1,2,4-TRIMETHYLBENZENE	22.20	105	1439934	2.26	PPBv		91
63)	1,3-DICHLOROBENZENE	22.44	146	862467	2.20	PPBv		97
64)	BENZYL CHLORIDE	22.41	91	910825	2.72	PPBv		97
65)	1,4-DICHLOROBENZENE	22.55	146	861334	2.49	PPBv		97
66)	SEC-BUTYLBENZENE	0.00	105	0	N.D.			
67)	4-ISOPROPYLTOLUENE	22.88	119	52606	No Calib		#	
68)	1,2-DICHLOROBENZENE	23.08	146	821127	2.51	PPBv		97
69)	BUTYLBENZENE	23.52	91	61636	No Calib		#	
70)	1,2,4-TRICHLOROBENZENE	25.67	180	556747	2.86	PPBv		100
71)	HEXACHLOROBUTADIENE	26.43	225	729353	4.38	PPBv	#	100

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

Quantitation Report

Data File : G:\APR2008\AIR1\040408\A27812.D Vial: 18
Acq On : 4 Apr 2008 8:11 pm Operator: WB
Sample : 2ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:46 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27813.D Vial: 19
Acq On : 4 Apr 2008 8:52 pm Operator: WB
Sample : 5ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:47 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1172987	10.00	PPBv		0.00
34) 1,4-DIFLUOROBENZENE	12.32	114	6261285	10.00	PPBv		0.00
49) CHLOROBENZENE-D5	17.89	82	3236829	10.00	PPBv		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE	20.12	95	4047650	10.46	PPBv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.60%				
Target Compounds							Qvalue
2) PROPENE	5.04	42	482016	5.87	PPBv		97
3) DICHLORODIFLUOROMETHANE	5.13	85	2031001	5.96	PPBv		99
4) CHLOROMETHANE	5.31	50	733689m	7.27	PPBv		
5) FREON 114	5.42	85	1721913	5.21	PPBv	#	84
6) VINYL CHLORIDE	5.55	62	667959	4.94	PPBv		98
7) 1,3-BUTADIENE	5.70	54	518254	4.86	PPBv		98
8) BROMOMETHANE	6.00	94	487168	4.51	PPBv	#	98
9) CHLOROETHANE	6.18	64	297813	4.18	PPBv		97
10) ACETONE	6.79	58	271710	3.64	PPBv		80
11) TRICHLOROFLUOROMETHANE	6.99	101	1785931	6.93	PPBv		99
12) ETHANOL	6.28	45	203939	6.00	PPBv	#	95
13) ACRYLONITRILE	0.00	53	0	N.D.			
14) 1,1-DICHLOROETHENE	7.66	96	664992	5.55	PPBv		87
15) METHYLENE CHLORIDE	7.78	84	626157	5.51	PPBv		93
16) FREON 113	8.06	101	1497514	6.11	PPBv		89
17) CARBON DISULFIDE	8.13	76	1994825	5.42	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	8.78	96	700767	5.92	PPBv		90
19) 1,1-DICHLOROETHANE	9.00	63	1432559	6.03	PPBv		98
20) MTBE	9.05	73	2086066	6.93	PPBv		94
21) IPA	7.03	45	1170905	5.81	PPBv		97
22) 2-BUTANONE(MEK)	9.41	57	140098	5.99	PPBv		71
23) CIS-1,2-DICHLOROETHENE	9.92	96	729079	5.30	PPBv		91
24) VINYL ACETATE	9.13	86	190013	6.14	PPBv		75
25) HEXANE	10.15	57	1313146	5.49	PPBv		85
26) ETHYL ACETATE	10.14	61	261670	5.25	PPBv		95
27) CHLOROFORM	10.25	83	1596242	6.41	PPBv		99
28) TETRAHYDROFURAN	10.71	71	331016	5.56	PPBv		99
29) 1,2-DICHLOROETHANE	11.09	62	1152789	6.79	PPBv		96
30) 1,1,1-TRICHLOROETHANE	11.39	97	1594735	7.37	PPBv		94
31) BENZENE	11.93	78	2294374	5.71	PPBv		100
32) CARBON TETRACHLORIDE	12.11	119	1470630	7.44	PPBv		100
33) CYCLOHEXANE	12.26	56	1372521m	6.26	PPBv		
35) 1,2-DICHLOROPROPANE	12.90	63	892913	4.99	PPBv		99

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

Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27813.D Vial: 19
Acq On : 4 Apr 2008 8:52 pm Operator: WB
Sample : 5ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:47 2008 Quant Results File: T1040408.RES

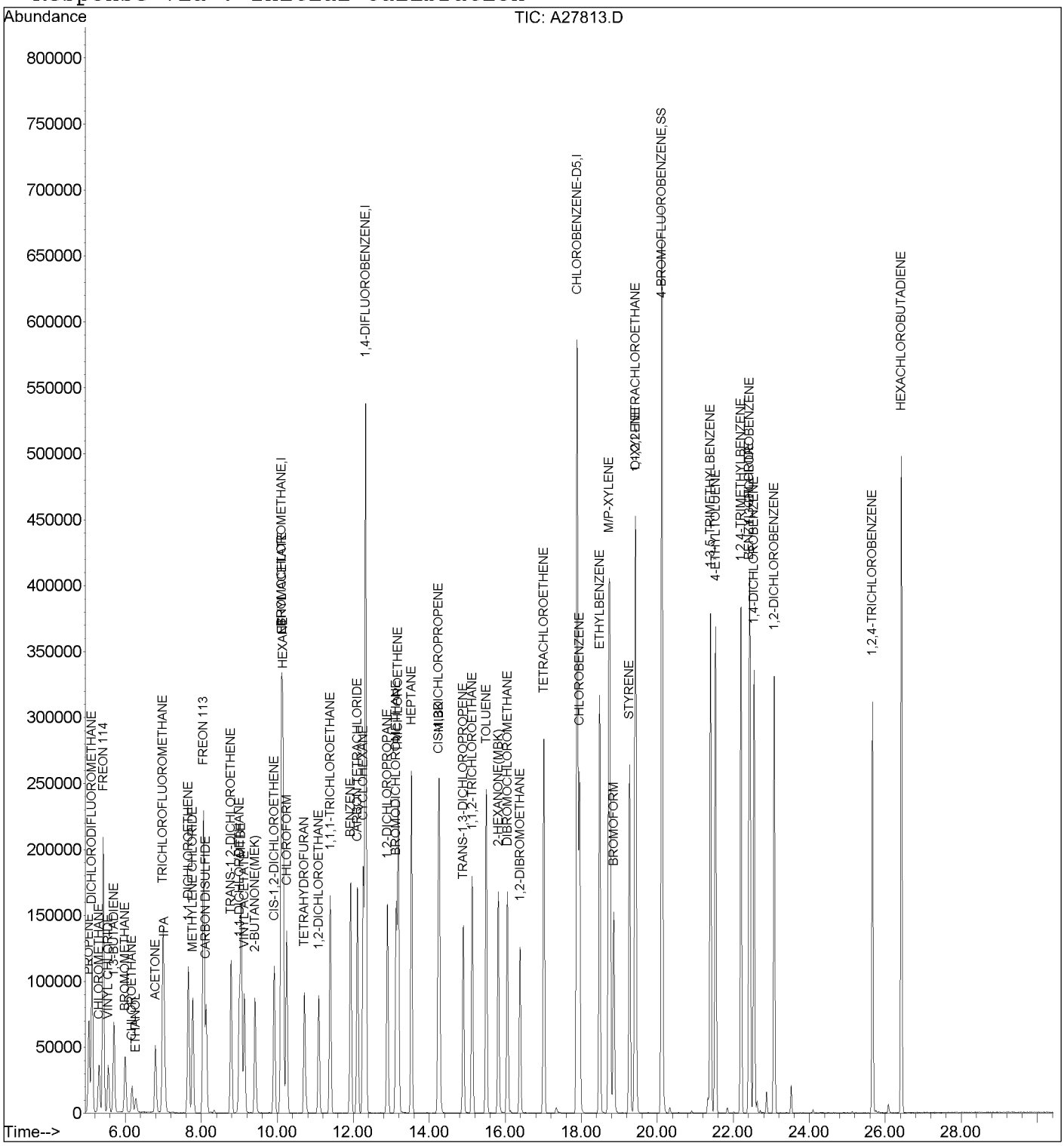
Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	BROMODICHLOROMETHANE	13.13	83	1619916	5.87	PPBv		98
37)	1,4-DIOXANE	13.18	88	491221	No Calib		#	
38)	TRICHLOROETHENE	13.18	95	1006384	6.22	PPBv		99
39)	HEPTANE	13.53	57	854800	5.65	PPBv		98
40)	MIBK	14.27	43	1972886	4.96	PPBv	#	91
41)	CIS-1,3DICHLOROPROPENE	14.24	75	1373739	5.90	PPBv		100
42)	TRANS-1,3-DICHLOROPROPENE	14.90	75	1224204	6.40	PPBv		98
43)	1,1,2-TRICHLOROETHANE	15.13	83	787641	5.53	PPBv		98
44)	TOLUENE	15.50	91	2780813	5.59	PPBv		97
45)	2-HEXANONE(MBK)	15.82	58	953093	5.98	PPBv	#	89
46)	DIBROMOCHLOROMETHANE	16.06	129	1444926	9.51	PPBv		98
47)	1,2-DIBROMOETHANE	16.39	107	1424722	6.05	PPBv		100
48)	TETRACHLOROETHENE	17.02	166	1379451	6.91	PPBv		96
50)	1,1,1,2-TETRACHLOROETHANE	0.00	135	0	N.D.			
51)	CHLOROBENZENE	17.95	112	2162712	4.97	PPBv		92
52)	ETHYLBENZENE	18.48	91	3680204	5.15	PPBv		99
53)	M/P-XYLENE	18.74	106	2924247	9.81	PPBv		86
54)	BROMOFORM	18.86	173	1290681	5.63	PPBv		100
55)	STYRENE	19.27	104	2132598	4.97	PPBv	#	92
56)	O-XYLENE	19.43	106	1381454	4.81	PPBv		89
57)	1,1,2,2-TETRACHLOROETHANE	19.41	83	1786779	4.24	PPBv	#	98
59)	ISOPROPYLBENZENE	20.33	105	50831	No Calib		#	
60)	1,3,5-TRIMETHYLBENZENE	21.40	105	4215989	5.39	PPBv		95
61)	4-ETHYLTOLUENE	21.53	105	3484427m	5.56	PPBv		
62)	1,2,4-TRIMETHYLBENZENE	22.20	105	3412685	5.36	PPBv		91
63)	1,3-DICHLOROBENZENE	22.44	146	2033422	5.19	PPBv		97
64)	BENZYL CHLORIDE	22.41	91	2355584	7.04	PPBv		98
65)	1,4-DICHLOROBENZENE	22.55	146	2097037	6.07	PPBv		97
66)	SEC-BUTYLBENZENE	0.00	105	0	N.D.			
67)	4-ISOPROPYLTOLUENE	22.88	119	128479	No Calib		#	
68)	1,2-DICHLOROBENZENE	23.08	146	1950236	5.96	PPBv		97
69)	BUTYLBENZENE	23.52	91	153928	No Calib		#	
70)	1,2,4-TRICHLOROBENZENE	25.67	180	1412492	7.24	PPBv		98
71)	HEXACHLOROBUTADIENE	26.42	225	1719575	10.33	PPBv	#	100

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

Data File : G:\APR2008\AIR1\040408\A27813.D Vial: 19
Acq On : 4 Apr 2008 8:52 pm Operator: WB
Sample : 5ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:47 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27814.D Vial: 20
Acq On : 4 Apr 2008 9:33 pm Operator: WB
Sample : 10ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 8:33 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:31:18 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1175368	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.33	114	6306661	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.89	82	3233638	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.12	95	4107424	9.88	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.80%			
Target Compounds						Qvalue
2) PROPENE	5.05	42	939417	8.65	PPBv	100
3) DICHLORODIFLUOROMETHANE	5.13	85	3931505	9.06	PPBv	100
4) CHLOROMETHANE	5.31	50	1326166	8.23	PPBv	96
5) FREON 114	5.42	85	3359484	9.11	PPBv	100
6) VINYL CHLORIDE	5.55	62	1324023	8.93	PPBv	100
7) 1,3-BUTADIENE	5.70	54	1013892	8.91	PPBv	100
8) BROMOMETHANE	6.00	94	950963	8.76	PPBv	100
9) CHLOROETHANE	6.18	64	579089	8.57	PPBv	100
10) ACETONE	6.79	58	538667	8.58	PPBv	100
11) TRICHLOROFLUOROMETHANE	6.99	101	3508456	8.90	PPBv	100
12) ETHANOL	6.27	45	388926	8.62	PPBv	98
13) ACRYLONITRILE	0.00	53	0	N.D.		
14) 1,1-DICHLOROETHENE	7.66	96	1305783	9.00	PPBv	100
15) METHYLENE CHLORIDE	7.78	84	1203383	8.77	PPBv	100
16) FREON 113	8.06	101	2888100	9.11	PPBv	100
17) CARBON DISULFIDE	8.13	76	3886241	8.87	PPBv	100
18) TRANS-1,2-DICHLOROETHENE	8.79	96	1361909	8.98	PPBv	100
19) 1,1-DICHLOROETHANE	9.00	63	2792412	8.99	PPBv	100
20) MTBE	9.05	73	4104679	9.06	PPBv	100
21) IPA	7.03	45	2302001	8.60	PPBv	100
22) 2-BUTANONE(MEK)	9.41	57	272618	8.91	PPBv	100
23) CIS-1,2-DICHLOROETHENE	9.92	96	1420600	8.92	PPBv	100
24) HEXANE	10.16	57	2542759	9.19	PPBv	100
25) ETHYL ACETATE	10.14	61	510654	9.37	PPBv	100
26) CHLOROFORM	10.25	83	3135432	8.90	PPBv	100
27) TETRAHYDROFURAN	10.71	71	655675	9.03	PPBv	100
28) 1,2-DICHLOROETHANE	11.09	62	2269305	8.83	PPBv	100
29) 1,1,1-TRICHLOROETHANE	11.39	97	3139186	8.91	PPBv	100
30) BENZENE	11.93	78	4481065	8.99	PPBv	100
31) CARBON TETRACHLORIDE	12.11	119	2990455	8.97	PPBv	100
32) CYCLOHEXANE	12.26	56	2252479	7.55	PPBv	87
34) 1,2-DICHLOROPROPANE	12.90	63	1736928	9.21	PPBv	100
35) BROMODICHLOROMETHANE	13.13	83	3228681	9.31	PPBv	100

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

Data File : G:\APR2008\AIR1\040408\A27814.D Vial: 20
Acq On : 4 Apr 2008 9:33 pm Operator: WB
Sample : 10ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 8:33 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:31:18 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

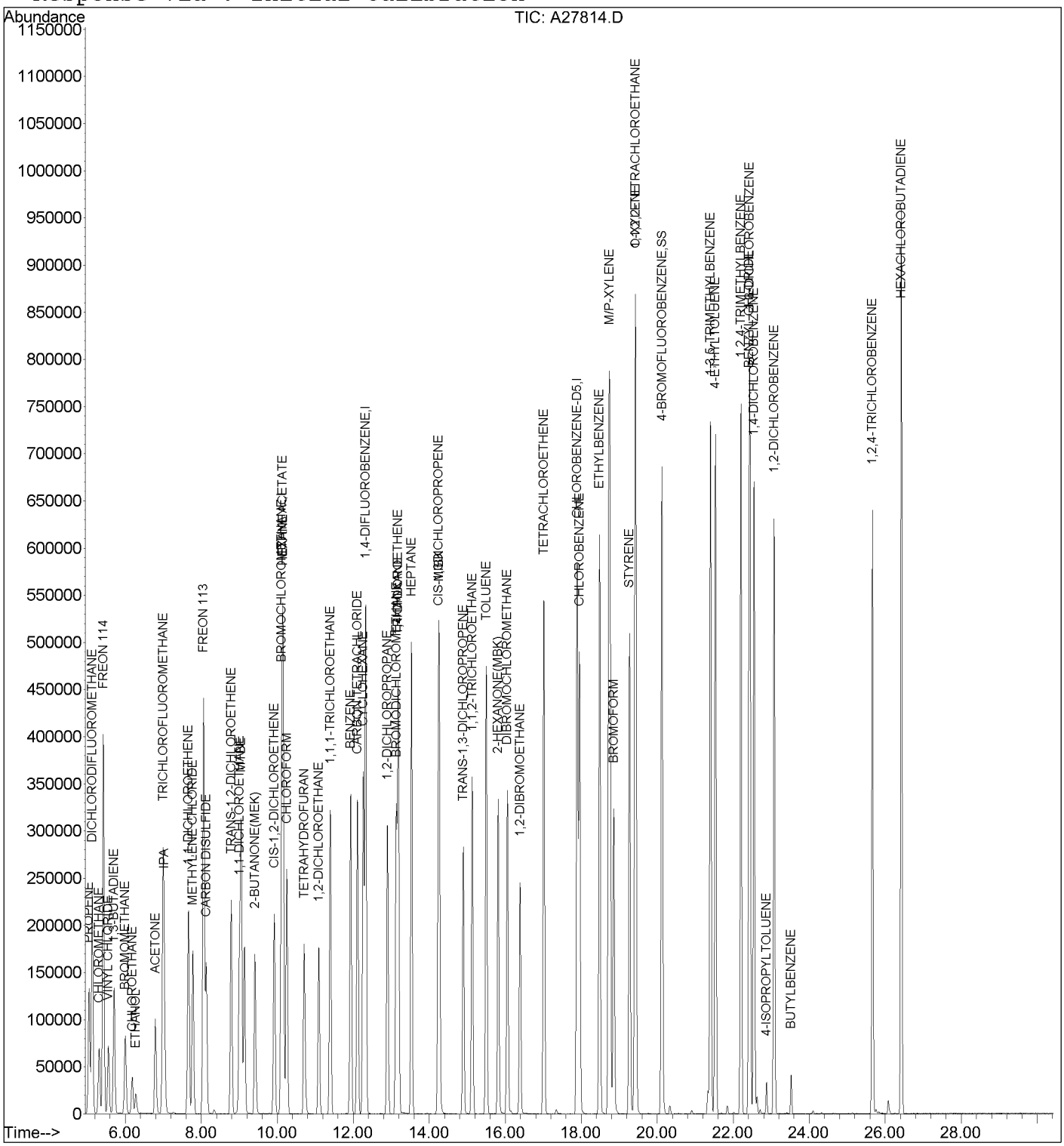
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	1,4-DIOXANE	13.17	88	956279	9.70	PPBv	#	100
37)	TRICHLOROETHENE	13.19	95	1961977	9.32	PPBv		100
38)	HEPTANE	13.53	57	1660400	9.39	PPBv		100
39)	MIBK	14.26	43	3857478	9.61	PPBv		100
40)	CIS-1,3DICHLOROPROPENE	14.24	75	2686114	9.32	PPBv		100
41)	TRANS-1,3-DICHLOROPROPENE	14.90	75	2466478	9.18	PPBv		100
42)	1,1,2-TRICHLOROETHANE	15.13	83	1517897	9.21	PPBv		100
43)	TOLUENE	15.50	91	5385335	9.17	PPBv		100
44)	2-HEXANONE(MBK)	15.81	58	1887472	9.58	PPBv		100
45)	DIBROMOCHLOROMETHANE	16.06	129	2942918	9.38	PPBv		100
46)	1,2-DIBROMOETHANE	16.39	107	2786628	9.25	PPBv		100
47)	TETRACHLOROETHENE	17.02	166	2678231	9.28	PPBv		100
49)	1,1,1,2-TETRACHLOROETHANE	0.00	135	0	N.D.			
50)	CHLOROBENZENE	17.95	112	4196638	9.22	PPBv		100
51)	ETHYLBENZENE	18.48	91	7185179	9.10	PPBv		100
52)	M/P-XYLENE	18.74	106	5651069	18.50	PPBv		100
53)	BROMOFORM	18.86	173	2789933	9.01	PPBv		100
54)	STYRENE	19.27	104	4196826	9.09	PPBv		100
55)	O-XYLENE	19.43	106	2659531	9.20	PPBv		100
56)	1,1,2,2-TETRACHLOROETHANE	19.42	83	3433569	9.11	PPBv		100
58)	ISOPROPYLBENZENE	20.33	105	100293	N.D.			
59)	1,3,5-TRIMETHYLBENZENE	21.40	105	8271310	9.14	PPBv		100
60)	4-ETHYLTOLUENE	21.53	105	2393421	3.17	PPBv	#	1
61)	1,2,4-TRIMETHYLBENZENE	22.20	105	6668615	9.02	PPBv		100
62)	1,3-DICHLOROBENZENE	22.44	146	3949048	9.06	PPBv		100
63)	BENZYL CHLORIDE	22.41	91	4838929	9.03	PPBv		100
64)	1,4-DICHLOROBENZENE	22.55	146	4143269	9.03	PPBv		100
65)	SEC-BUTYLBENZENE	0.00	105	0	N.D.			
66)	4-ISOPROPYLTOLUENE	22.88	119	255476	0.31	PPBv	#	99
67)	1,2-DICHLOROBENZENE	23.08	146	3818004	8.88	PPBv		100
68)	BUTYLBENZENE	23.53	91	318900	0.45	PPBv		98
69)	1,2,4-TRICHLOROBENZENE	25.67	180	2895879	8.46	PPBv		100
70)	HEXACHLOROBUTADIENE	26.43	225	3334200	8.85	PPBv	#	100

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

Quantitation Report

Data File : G:\APR2008\AIR1\040408\A27814.D Vial: 20
Acq On : 4 Apr 2008 9:33 pm Operator: WB
Sample : 10ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 8:33 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27815.D Vial: 21
Acq On : 4 Apr 2008 10:17 pm Operator: WB
Sample : 20ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:50 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1188324	10.00	PPBv		0.00
34) 1,4-DIFLUOROBENZENE	12.32	114	6442905	10.00	PPBv		0.00
49) CHLOROBENZENE-D5	17.89	82	3277206	10.00	PPBv		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE	20.12	95	4159759	10.62	PPBv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.20%				
Target Compounds							Qvalue
2) PROPENE	5.04	42	1832306	22.01	PPBv		97
3) DICHLORODIFLUOROMETHANE	5.12	85	7122678	20.65	PPBv		99
4) CHLOROMETHANE	5.31	50	2660721	26.02	PPBv		98
5) FREON 114	5.42	85	6472240	19.31	PPBv	#	84
6) VINYL CHLORIDE	5.55	62	2562822	18.71	PPBv		98
7) 1,3-BUTADIENE	5.70	54	1952785	18.06	PPBv		97
8) BROMOMETHANE	5.99	94	1837023	16.77	PPBv	#	98
9) CHLOROETHANE	6.18	64	1111797	15.41	PPBv		97
10) ACETONE	6.78	58	1018098	13.47	PPBv		80
11) TRICHLOROFLUOROMETHANE	6.99	101	6754082	25.89	PPBv		99
12) ETHANOL	6.27	45	743663	21.61	PPBv		97
13) ACRYLONITRILE	0.00	53	0	N.D.			
14) 1,1-DICHLOROETHENE	7.66	96	2563521	21.13	PPBv		87
15) METHYLENE CHLORIDE	7.77	84	2365437	20.55	PPBv		93
16) FREON 113	8.06	101	5605975	22.58	PPBv		87
17) CARBON DISULFIDE	8.13	76	7716403	20.70	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	8.78	96	2674606	22.29	PPBv		88
19) 1,1-DICHLOROETHANE	9.00	63	5468562	22.74	PPBv		98
20) MTBE	9.04	73	8148808	26.71	PPBv		94
21) IPA	7.02	45	4398935	21.54	PPBv		96
22) 2-BUTANONE(MEK)	9.40	57	549318	23.20	PPBv		71
23) CIS-1,2-DICHLOROETHENE	9.92	96	2827850	20.28	PPBv		91
24) VINYL ACETATE	9.13	86	757807	24.19	PPBv		73
25) HEXANE	10.15	57	4936354	20.39	PPBv		86
26) ETHYL ACETATE	10.13	61	999989	19.81	PPBv		94
27) CHLOROFORM	10.25	83	6201488	24.58	PPBv		100
28) TETRAHYDROFURAN	10.70	71	1308548	21.70	PPBv		99
29) 1,2-DICHLOROETHANE	11.09	62	4501053	26.19	PPBv	#	97
30) 1,1,1-TRICHLOROETHANE	11.39	97	6252822	28.53	PPBv		93
31) BENZENE	11.93	78	8777692	21.56	PPBv		100
32) CARBON TETRACHLORIDE	12.11	119	6091353	30.41	PPBv		99
33) CYCLOHEXANE	12.26	56	5175699m	23.30	PPBv		
35) 1,2-DICHLOROPROPANE	12.90	63	3417112	18.54	PPBv		99

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

Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27815.D Vial: 21
Acq On : 4 Apr 2008 10:17 pm Operator: WB
Sample : 20ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:50 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

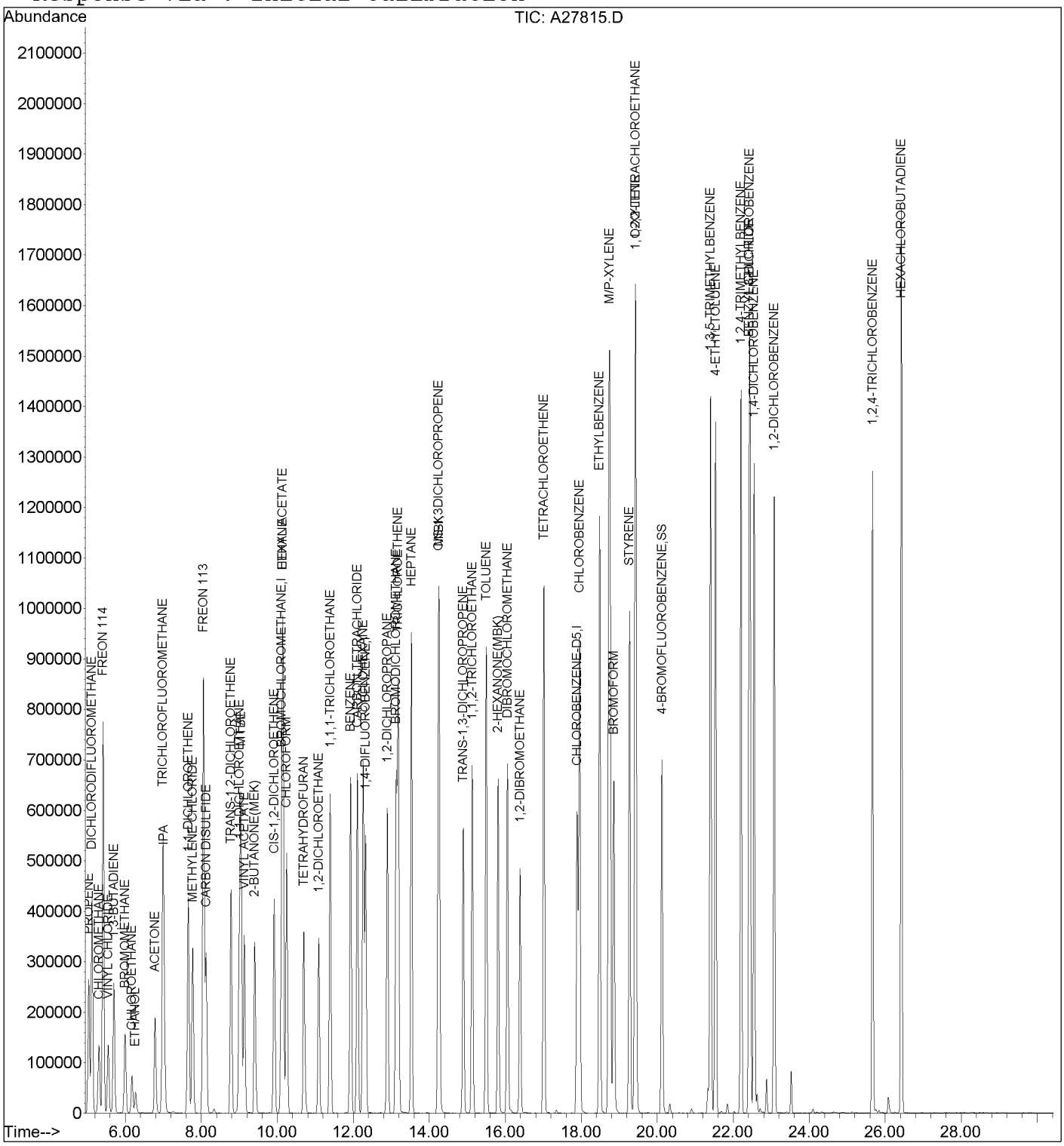
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	BROMODICHLOROMETHANE	13.13	83	6443794	22.68	PPBv		98
37)	1,4-DIOXANE	13.16	88	1876753	No Calib		#	
38)	TRICHLOROETHENE	13.18	95	3821115	22.94	PPBv		99
39)	HEPTANE	13.53	57	3218689	20.66	PPBv		98
40)	MIBK	14.26	43	7503280	18.35	PPBv	#	91
41)	CIS-1,3DICHLOROPROPENE	14.24	75	5289242	22.07	PPBv		99
42)	TRANS-1,3-DICHLOROPROPENE	14.89	75	4959203	25.20	PPBv		97
43)	1,1,2-TRICHLOROETHANE	15.13	83	2968653	20.26	PPBv		98
44)	TOLUENE	15.50	91	10524302	20.56	PPBv		97
45)	2-HEXANONE(MBK)	15.81	58	3739238	22.80	PPBv	#	89
46)	DIBROMOCHLOROMETHANE	16.06	129	6047662	38.68	PPBv		98
47)	1,2-DIBROMOETHANE	16.39	107	5475257	22.60	PPBv		100
48)	TETRACHLOROETHENE	17.02	166	5202975	25.33	PPBv		96
50)	1,1,1,2-TETRACHLOROETHANE	0.00	135	0	N.D.			
51)	CHLOROBENZENE	17.95	112	8167202	18.54	PPBv		93
52)	ETHYLBENZENE	18.48	91	13966600	19.31	PPBv		99
53)	M/P-XYLENE	18.74	106	10825456	35.87	PPBv		85
54)	BROMOFORM	18.86	173	5951266	25.63	PPBv		100
55)	STYRENE	19.27	104	8225831	18.95	PPBv	#	92
56)	O-XYLENE	19.44	106	5088894	17.49	PPBv		87
57)	1,1,2,2-TETRACHLOROETHANE	19.42	83	6572121	15.40	PPBv	#	98
59)	ISOPROPYLBENZENE	20.33	105	202890	No Calib		#	
60)	1,3,5-TRIMETHYLBENZENE	21.40	105	16076447	20.32	PPBv		94
61)	4-ETHYLTOLUENE	21.53	105	13229660m	20.83	PPBv		
62)	1,2,4-TRIMETHYLBENZENE	22.20	105	12939263	20.06	PPBv		90
63)	1,3-DICHLOROBENZENE	22.44	146	7639117	19.24	PPBv		97
64)	BENZYL CHLORIDE	22.41	91	9804791	28.94	PPBv		98
65)	1,4-DICHLOROBENZENE	22.55	146	8104477	23.18	PPBv		97
66)	SEC-BUTYLBENZENE	0.00	105	0	N.D.			
67)	4-ISOPROPYLTOLUENE	22.88	119	500348	No Calib		#	
68)	1,2-DICHLOROBENZENE	23.08	146	7396232	22.33	PPBv		97
69)	BUTYLBENZENE	23.52	91	601122	No Calib		#	
70)	1,2,4-TRICHLOROBENZENE	25.67	180	5859905	29.68	PPBv		99
71)	HEXACHLOROBUTADIENE	26.43	225	6404561	38.02	PPBv	#	100

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

Quantitation Report

Data File : G:\APR2008\AIR1\040408\A27815.D Vial: 21
Acq On : 4 Apr 2008 10:17 pm Operator: WB
Sample : 20ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:50 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27817.D Vial: 2
Acq On : 4 Apr 2008 11:39 pm Operator: WB
Sample : 25ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:54 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1160867	10.00	PPBv		0.00
34) 1,4-DIFLUOROBENZENE	12.33	114	6392273	10.00	PPBv		0.00
49) CHLOROBENZENE-D5	17.89	82	3053207m	10.00	PPBv		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE	20.13	95	4120426	11.29	PPBv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.90%				
Target Compounds							Qvalue
2) PROPENE	5.05	42	2681583	32.98	PPBv		97
3) DICHLORODIFLUOROMETHANE	5.13	85	11407237	33.85	PPBv		99
4) CHLOROMETHANE	5.31	50	4167467m	41.71	PPBv		
5) FREON 114	5.42	85	9450439	28.87	PPBv	#	84
6) VINYL CHLORIDE	5.55	62	3831684m	28.63	PPBv		
7) 1,3-BUTADIENE	5.70	54	2945576	27.88	PPBv		97
8) BROMOMETHANE	6.00	94	2766276	25.86	PPBv	#	98
9) CHLOROETHANE	6.18	64	1744474	24.75	PPBv		96
10) ACETONE	6.79	58	1533541	20.78	PPBv		82
11) TRICHLOROFLUOROMETHANE	6.99	101	10051510	39.43	PPBv		99
12) ETHANOL	6.27	45	1012803	30.13	PPBv		97
13) ACRYLONITRILE	7.27	53	3504457	No Calib		#	
14) 1,1-DICHLOROETHENE	7.66	96	3731632	31.48	PPBv		86
15) METHYLENE CHLORIDE	7.78	84	3456147	30.73	PPBv		93
16) FREON 113	8.06	101	8081008	33.32	PPBv		87
17) CARBON DISULFIDE	8.13	76	11355702	31.18	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	8.79	96	3915275	33.40	PPBv		89
19) 1,1-DICHLOROETHANE	9.01	63	7964985	33.90	PPBv		98
20) MTBE	9.05	73	11799291	39.59	PPBv		94
21) IPA	7.03	45	6752879	33.85	PPBv		96
22) 2-BUTANONE(MEK)	9.41	57	811907	35.10	PPBv		71
23) CIS-1,2-DICHLOROETHENE	9.92	96	4107041	30.15	PPBv		90
24) VINYL ACETATE	9.14	86	1131946	36.98	PPBv		72
25) HEXANE	10.16	57	7090926	29.98	PPBv		86
26) ETHYL ACETATE	10.14	61	1424679	28.89	PPBv		96
27) CHLOROFORM	10.25	83	9094833	36.90	PPBv		99
28) TETRAHYDROFURAN	10.70	71	1916587	32.54	PPBv		98
29) 1,2-DICHLOROETHANE	11.10	62	6631597	39.49	PPBv	#	97
30) 1,1,1-TRICHLOROETHANE	11.40	97	9210975	43.02	PPBv		94
31) BENZENE	11.93	78	12761210	32.09	PPBv		100
32) CARBON TETRACHLORIDE	12.11	119	9007330	46.04	PPBv		100
33) CYCLOHEXANE	12.26	56	7586573m	34.97	PPBv		
35) 1,2-DICHLOROPROPANE	12.90	63	4942442	27.03	PPBv		99

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

Data File : G:\APR2008\AIR1\040408\A27817.D Vial: 2
Acq On : 4 Apr 2008 11:39 pm Operator: WB
Sample : 25ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:54 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

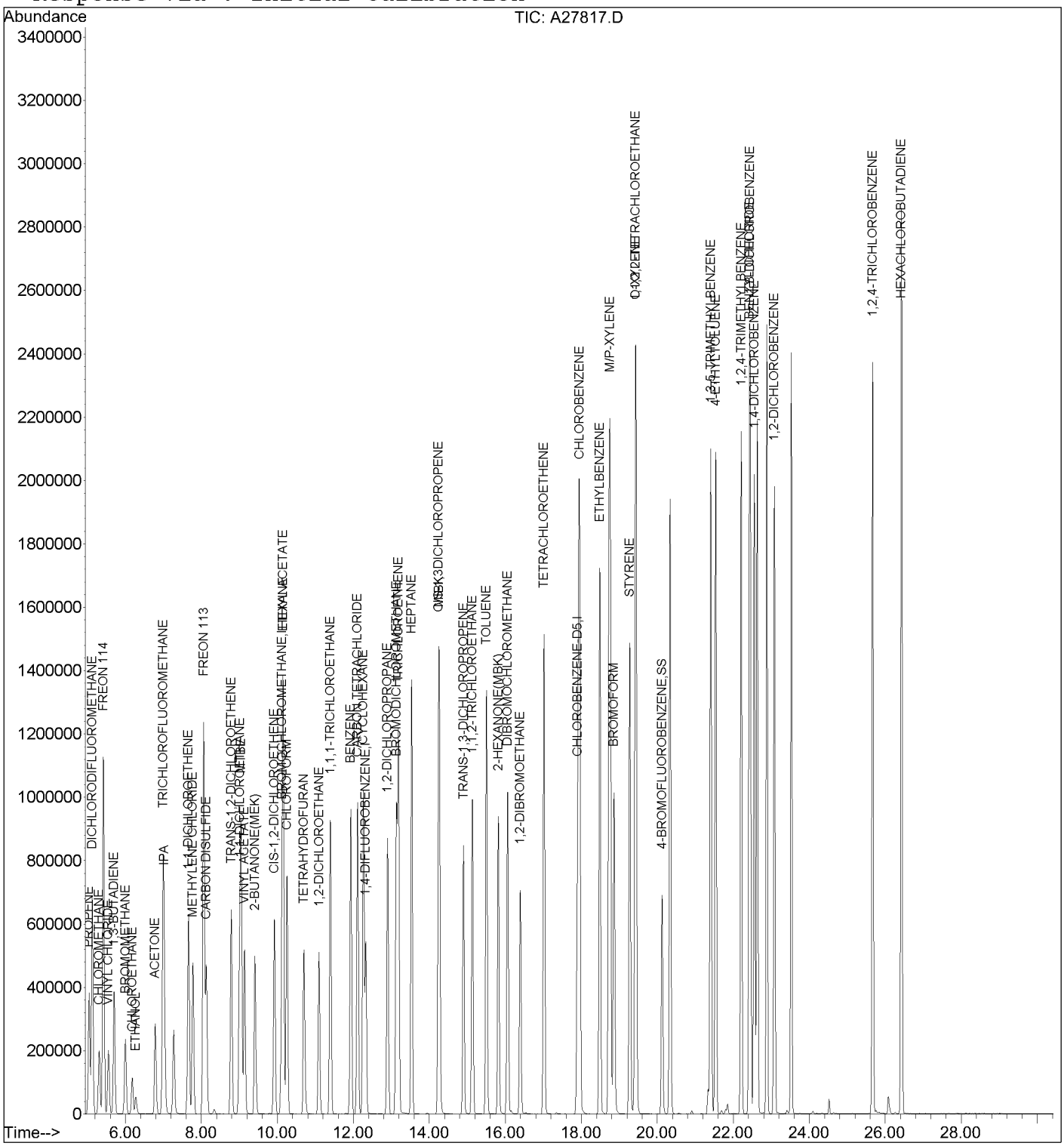
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	BROMODICHLOROMETHANE	13.13	83	9499675	33.70	PPBv		99
37)	1,4-DIOXANE	13.17	88	2466403	No Calib		#	
38)	TRICHLOROETHENE	13.19	95	5508319	33.33	PPBv		99
39)	HEPTANE	13.53	57	4622492	29.91	PPBv		98
40)	MIBK	14.27	43	10617437	26.17	PPBv	#	91
41)	CIS-1,3DICHLOROPROPENE	14.24	75	7768168	32.68	PPBv		99
42)	TRANS-1,3-DICHLOROPROPENE	14.90	75	7486180	38.34	PPBv		96
43)	1,1,2-TRICHLOROETHANE	15.13	83	4345254	29.88	PPBv		97
44)	TOLUENE	15.50	91	15361152	30.24	PPBv		97
45)	2-HEXANONE(MBK)	15.82	58	5368000	32.98	PPBv	#	89
46)	DIBROMOCHLOROMETHANE	16.06	129	9053452	58.36	PPBv		99
47)	1,2-DIBROMOETHANE	16.39	107	8093721	33.68	PPBv		100
48)	TETRACHLOROETHENE	17.02	166	7555570	37.07	PPBv		96
50)	1,1,1,2-TETRACHLOROETHANE	17.93	135	1889784	No Calib		#	
51)	CHLOROBENZENE	17.96	112	11602306	28.26	PPBv		93
52)	ETHYLBENZENE	18.49	91	20604070	30.58	PPBv		99
53)	M/P-XYLENE	18.75	106	15714243	55.90	PPBv		84
54)	BROMOFORM	18.86	173	9398212	43.45	PPBv		100
55)	STYRENE	19.28	104	12354793	30.55	PPBv	#	91
56)	O-XYLENE	19.44	106	7421937	27.38	PPBv		85
57)	1,1,2,2-TETRACHLOROETHANE	19.42	83	9937171	24.99	PPBv	#	98
59)	ISOPROPYLBENZENE	20.34	105	22472197	No Calib		#	
60)	1,3,5-TRIMETHYLBENZENE	21.41	105	24345967	33.02	PPBv		94
61)	4-ETHYLTOLUENE	21.54	105	20234261m	34.20	PPBv		
62)	1,2,4-TRIMETHYLBENZENE	22.21	105	19947435	33.19	PPBv		89
63)	1,3-DICHLOROBENZENE	22.45	146	11824402	31.97	PPBv		97
64)	BENZYL CHLORIDE	22.42	91	16342258	51.77	PPBv		97
65)	1,4-DICHLOROBENZENE	22.55	146	12894005	39.58	PPBv		97
66)	SEC-BUTYLBENZENE	22.63	105	22733886	No Calib		#	
67)	4-ISOPROPYLTOLUENE	22.88	119	21522016	No Calib		#	
68)	1,2-DICHLOROBENZENE	23.08	146	12017747	38.95	PPBv		97
69)	BUTYLBENZENE	23.53	91	18620769	No Calib		#	
70)	1,2,4-TRICHLOROBENZENE	25.67	180	11100433	60.34	PPBv		99
71)	HEXACHLOROBUTADIENE	26.43	225	10543268	67.18	PPBv	#	100

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

Quantitation Report

Data File : G:\APR2008\AIR1\040408\A27817.D Vial: 2
Acq On : 4 Apr 2008 11:39 pm Operator: WB
Sample : 25ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 7:54 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27818.D Vial: 2
Acq On : 5 Apr 2008 12:20 am Operator: WB
Sample : 50ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 8:15 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1139793	10.00	PPBv		0.00
34) 1,4-DIFLUOROBENZENE	12.33	114	6503745	10.00	PPBv		0.00
49) CHLOROBENZENE-D5	17.90	82	3120458m	10.00	PPBv		0.01
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE	20.13	95	4153742	11.13	PPBv		0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.30%				
Target Compounds							Qvalue
2) PROPENE	5.04	42	5092354	63.78	PPBv		97
3) DICHLORODIFLUOROMETHANE	5.13	85	21474892	64.90	PPBv		99
4) CHLOROMETHANE	5.31	50	7912404m	80.66	PPBv		
5) FREON 114	5.42	85	17591334	54.73	PPBv	#	84
6) VINYL CHLORIDE	5.55	62	7337205m	55.83	PPBv		
7) 1,3-BUTADIENE	5.70	54	5574709	53.75	PPBv		97
8) BROMOMETHANE	6.00	94	5268453	50.16	PPBv	#	98
9) CHLOROETHANE	6.18	64	3310596	47.83	PPBv		96
10) ACETONE	6.78	58	2966428	40.93	PPBv		83
11) TRICHLOROFLUOROMETHANE	6.99	101	19170865	76.60	PPBv		99
12) ETHANOL	6.27	45	1968132	59.63	PPBv		98
13) ACRYLONITRILE	7.27	53	6833924	No Calib		#	
14) 1,1-DICHLOROETHENE	7.66	96	7111095	61.11	PPBv		85
15) METHYLENE CHLORIDE	7.78	84	6659019	60.30	PPBv		93
16) FREON 113	8.06	101	15029609	63.11	PPBv		87
17) CARBON DISULFIDE	8.13	76	21847675	61.11	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	8.79	96	7438979	64.62	PPBv		88
19) 1,1-DICHLOROETHANE	9.01	63	15018323	65.11	PPBv		97
20) MTBE	9.05	73	22865919	78.15	PPBv		93
21) IPA	7.03	45	13024116	66.49	PPBv		95
22) 2-BUTANONE(MEK)	9.41	57	1571580	69.21	PPBv		70
23) CIS-1,2-DICHLOROETHENE	9.92	96	7834817	58.57	PPBv		89
24) VINYL ACETATE	9.14	86	2211352	73.58	PPBv		70
25) HEXANE	10.16	57	12929189	55.67	PPBv		87
26) ETHYL ACETATE	10.14	61	2613608	53.99	PPBv		95
27) CHLOROFORM	10.25	83	17561004	72.57	PPBv		99
28) TETRAHYDROFURAN	10.70	71	3695680	63.90	PPBv		98
29) 1,2-DICHLOROETHANE	11.10	62	12951721	78.56	PPBv	#	96
30) 1,1,1-TRICHLOROETHANE	11.40	97	17939043	85.34	PPBv		93
31) BENZENE	11.94	78	24158900	61.88	PPBv		100
32) CARBON TETRACHLORIDE	12.11	119	17742721	92.36	PPBv		100
33) CYCLOHEXANE	12.27	56	14220624m	66.75	PPBv		
35) 1,2-DICHLOROPROPANE	12.90	63	9297148	49.97	PPBv		99

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

Data File : G:\APR2008\AIR1\040408\A27818.D Vial: 2
Acq On : 5 Apr 2008 12:20 am Operator: WB
Sample : 50ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 8:15 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

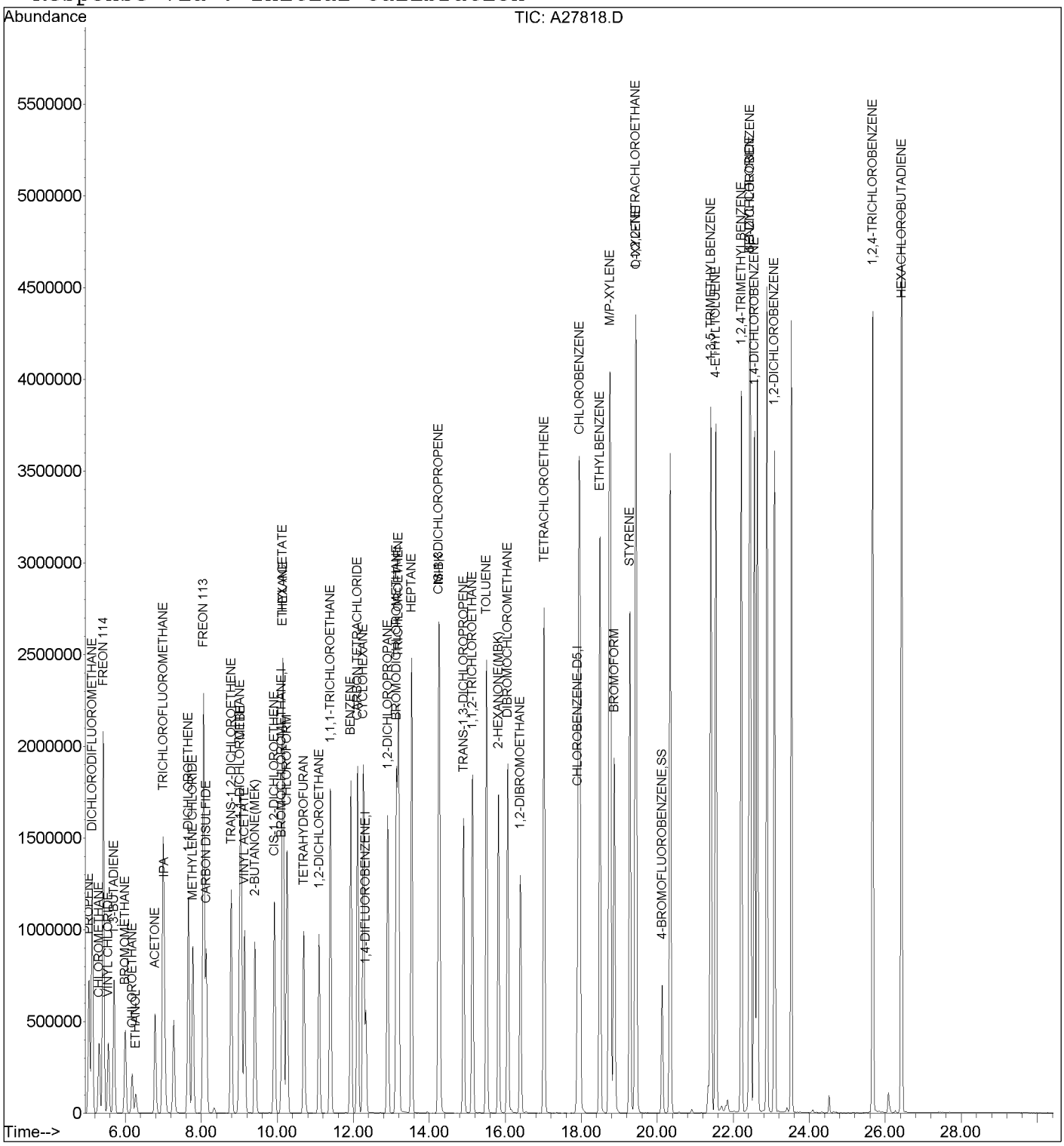
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	BROMODICHLOROMETHANE	13.13	83	18200124	63.45	PPBv		99
37)	1,4-DIOXANE	13.17	88	4571339	No Calib		#	
38)	TRICHLOROETHENE	13.19	95	10234868	60.86	PPBv		99
39)	HEPTANE	13.54	57	8555977	54.42	PPBv		98
40)	MIBK	14.27	43	19558071	47.38	PPBv	#	90
41)	CIS-1,3DICHLOROPROPENE	14.24	75	14658076	60.60	PPBv		99
42)	TRANS-1,3-DICHLOROPROPENE	14.90	75	14646515	73.72	PPBv		96
43)	1,1,2-TRICHLOROETHANE	15.14	83	8186720	55.34	PPBv		97
44)	TOLUENE	15.51	91	28823408	55.78	PPBv		97
45)	2-HEXANONE(MBK)	15.82	58	10200316	61.60	PPBv	#	89
46)	DIBROMOCHLOROMETHANE	16.07	129	17510106	110.93	PPBv		99
47)	1,2-DIBROMOETHANE	16.40	107	15215788	62.23	PPBv		100
48)	TETRACHLOROETHENE	17.02	166	14090472	67.95	PPBv		96
50)	1,1,1,2-TETRACHLOROETHANE	17.93	135	3512639	No Calib		#	
51)	CHLOROBENZENE	17.96	112	21126985	50.35	PPBv		92
52)	ETHYLBENZENE	18.49	91	38546670	55.98	PPBv		98
53)	M/P-XYLENE	18.75	106	28692623	99.86	PPBv		81
54)	BROMOFORM	18.87	173	18675336	84.48	PPBv		100
55)	STYRENE	19.28	104	23213983	56.17	PPBv	#	90
56)	O-XYLENE	19.45	106	13463371	48.60	PPBv		82
57)	1,1,2,2-TETRACHLOROETHANE	19.43	83	18002785	44.30	PPBv	#	98
59)	ISOPROPYLBENZENE	20.34	105	41552624	No Calib		#	
60)	1,3,5-TRIMETHYLBENZENE	21.41	105	45231336	60.03	PPBv		94
61)	4-ETHYLTOLUENE	21.54	105	37846260m	62.59	PPBv		
62)	1,2,4-TRIMETHYLBENZENE	22.21	105	37197610	60.56	PPBv		88
63)	1,3-DICHLOROBENZENE	22.45	146	21569839	57.07	PPBv		96
64)	BENZYL CHLORIDE	22.42	91	31129579	96.49	PPBv		97
65)	1,4-DICHLOROBENZENE	22.56	146	23894076	71.77	PPBv		96
66)	SEC-BUTYLBENZENE	22.63	105	41891299	No Calib		#	
67)	4-ISOPROPYLTOLUENE	22.89	119	39693255	No Calib		#	
68)	1,2-DICHLOROBENZENE	23.09	146	22335245	70.83	PPBv		96
69)	BUTYLBENZENE	23.53	91	34400531	No Calib		#	
70)	1,2,4-TRICHLOROBENZENE	25.67	180	20826771	110.78	PPBv		98
71)	HEXACHLOROBUTADIENE	26.43	225	18913030	117.91	PPBv	#	100

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

Quantitation Report

Data File : G:\APR2008\AIR1\040408\A27818.D Vial: 2
Acq On : 5 Apr 2008 12:20 am Operator: WB
Sample : 50ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 8:15 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27819.D Vial: 2
Acq On : 5 Apr 2008 1:04 am Operator: WB
Sample : 100ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 8:19 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1111470	10.00	PPBv		0.00
34) 1,4-DIFLUOROBENZENE	12.34	114	6695535	10.00	PPBv		0.01
49) CHLOROBENZENE-D5	17.90	82	3232219m	10.00	PPBv		0.02
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE	20.13	95	4278359	11.07	PPBv		0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.70%				
Target Compounds							Qvalue
2) PROPENE	5.05	42	9815069	126.06	PPBv		97
3) DICHLORODIFLUOROMETHANE	5.13	85	37409108	115.94	PPBv		99
4) CHLOROMETHANE	5.31	50	15339682m	160.36	PPBv		
5) FREON 114	5.42	85	32739769	104.45	PPBv	#	84
6) VINYL CHLORIDE	5.56	62	14211713m	110.90	PPBv		
7) 1,3-BUTADIENE	5.70	54	10817889	106.96	PPBv		97
8) BROMOMETHANE	6.00	94	10529489	102.80	PPBv	#	98
9) CHLOROETHANE	6.18	64	6658934	98.67	PPBv		96
10) ACETONE	6.78	58	6014284	85.10	PPBv		84
11) TRICHLOROFLUOROMETHANE	6.99	101	36856034	151.02	PPBv		99
12) ETHANOL	6.28	45	4041071	125.56	PPBv		99
13) ACRYLONITRILE	7.28	53	13495794	No Calib		#	
14) 1,1-DICHLOROETHENE	7.66	96	13390220	117.99	PPBv		82
15) METHYLENE CHLORIDE	7.78	84	12843288	119.27	PPBv		92
16) FREON 113	8.06	101	27644986	119.04	PPBv		86
17) CARBON DISULFIDE	8.13	76	41842966	120.02	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	8.79	96	14080123	125.44	PPBv		86
19) 1,1-DICHLOROETHANE	9.01	63	28227274	125.49	PPBv		98
20) MTBE	9.05	73	43995530	154.20	PPBv		92
21) IPA	7.04	45	25941996	135.82	PPBv		95
22) 2-BUTANONE(MEK)	9.42	57	3022971	136.51	PPBv		70
23) CIS-1,2-DICHLOROETHENE	9.93	96	14825007	113.66	PPBv		88
24) VINYL ACETATE	9.14	86	4295093	146.56	PPBv		70
25) HEXANE	10.16	57	22943430	101.30	PPBv		87
26) ETHYL ACETATE	10.14	61	4697928	99.52	PPBv		94
27) CHLOROFORM	10.26	83	33848978	143.45	PPBv		100
28) TETRAHYDROFURAN	10.70	71	7185840	127.41	PPBv		98
29) 1,2-DICHLOROETHANE	11.10	62	25449787	158.30	PPBv	#	96
30) 1,1,1-TRICHLOROETHANE	11.40	97	34792799	169.73	PPBv		93
31) BENZENE	11.94	78	45736384	120.13	PPBv		100
32) CARBON TETRACHLORIDE	12.12	119	34097749	182.02	PPBv		100
33) CYCLOHEXANE	12.27	56	26608057m	128.08	PPBv		
35) 1,2-DICHLOROPROPANE	12.91	63	17281705	90.23	PPBv		98

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

Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\040408\A27819.D Vial: 2
Acq On : 5 Apr 2008 1:04 am Operator: WB
Sample : 100ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 8:19 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 07:39:55 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

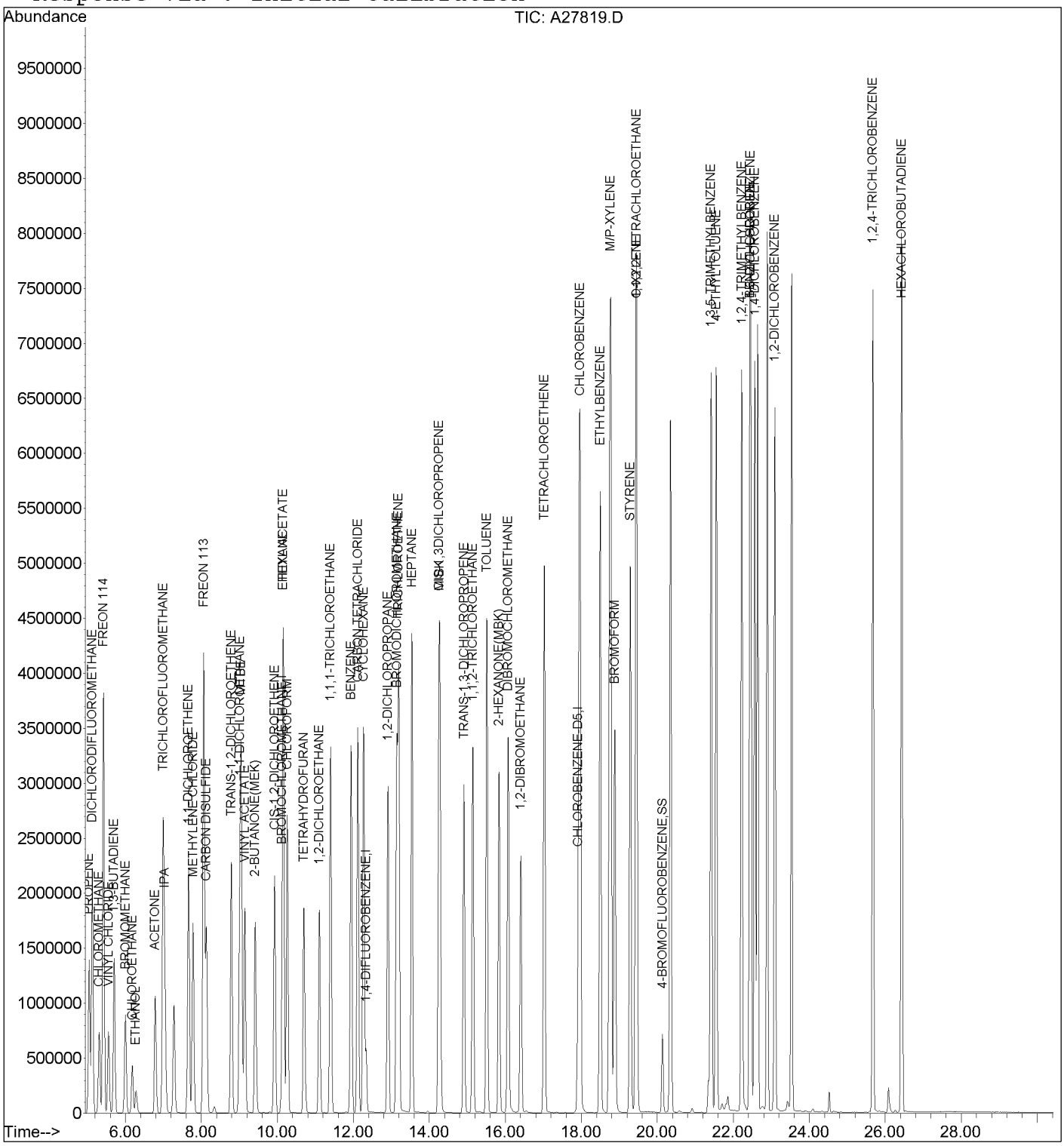
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36)	BROMODICHLOROMETHANE	13.14	83	34416827	116.55 PPBv		99
37)	1,4-DIOXANE	13.17	88	8372615	No Calib	#	
38)	TRICHLOROETHENE	13.20	95	18948894	109.46 PPBv		98
39)	HEPTANE	13.54	57	15627351	96.54 PPBv		97
40)	MIBK	14.28	43	35445404	83.40 PPBv	#	88
41)	CIS-1,3DICHLOROPROPENE	14.25	75	27558099	110.67 PPBv		98
42)	TRANS-1,3-DICHLOROPROPENE	14.91	75	28537293	139.52 PPBv		95
43)	1,1,2-TRICHLOROETHANE	15.15	83	15323588	100.61 PPBv		97
44)	TOLUENE	15.51	91	54058008	101.62 PPBv		97
45)	2-HEXANONE(MBK)	15.83	58	19246974	112.91 PPBv	#	88
46)	DIBROMOCHLOROMETHANE	16.07	129	33502032	206.17 PPBv		99
47)	1,2-DIBROMOETHANE	16.41	107	28681196	113.94 PPBv		99
48)	TETRACHLOROETHENE	17.03	166	26328174	123.33 PPBv		96
50)	1,1,1,2-TETRACHLOROETHANE	17.94	135	6490540	No Calib	#	
51)	CHLOROBENZENE	17.97	112	39113855	90.00 PPBv		92
52)	ETHYLBENZENE	18.50	91	72476445	101.61 PPBv		97
53)	M/P-XYLENE	18.77	106	53095334	178.40 PPBv		80
54)	BROMOFORM	18.88	173	36778654	160.61 PPBv		100
55)	STYRENE	19.29	104	43803090	102.32 PPBv	#	89
56)	O-XYLENE	19.46	106	25024826	87.21 PPBv		83
57)	1,1,2,2-TETRACHLOROETHANE	19.44	83	33035637	78.49 PPBv	#	98
59)	ISOPROPYLBENZENE	20.35	105	77364190	No Calib	#	
60)	1,3,5-TRIMETHYLBENZENE	21.42	105	84112474	107.77 PPBv		93
61)	4-ETHYLTOLUENE	21.55	105	70939994	113.26 PPBv		96
62)	1,2,4-TRIMETHYLBENZENE	22.22	105	69376991	109.04 PPBv		88
63)	1,3-DICHLOROBENZENE	22.46	146	40427614	103.26 PPBv		96
64)	BENZYL CHLORIDE	22.44	91	58137219	173.97 PPBv		97
65)	1,4-DICHLOROBENZENE	22.57	146	44950934	130.35 PPBv		97
66)	SEC-BUTYLBENZENE	22.64	105	77510681	No Calib	#	
67)	4-ISOPROPYLTOLUENE	22.89	119	72945512	No Calib	#	
68)	1,2-DICHLOROBENZENE	23.09	146	41650276	127.52 PPBv		96
69)	BUTYLBENZENE	23.54	91	62784777	No Calib	#	
70)	1,2,4-TRICHLOROBENZENE	25.68	180	37873994	194.48 PPBv		99
71)	HEXACHLOROBUTADIENE	26.43	225	34355565	206.77 PPBv	#	100

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

Quantitation Report

Data File : G:\APR2008\AIR1\040408\A27819.D Vial: 2
Acq On : 5 Apr 2008 1:04 am Operator: WB
Sample : 100ppbv to-15 cal Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 7 8:19 2008 Quant Results File: T1040408.RES

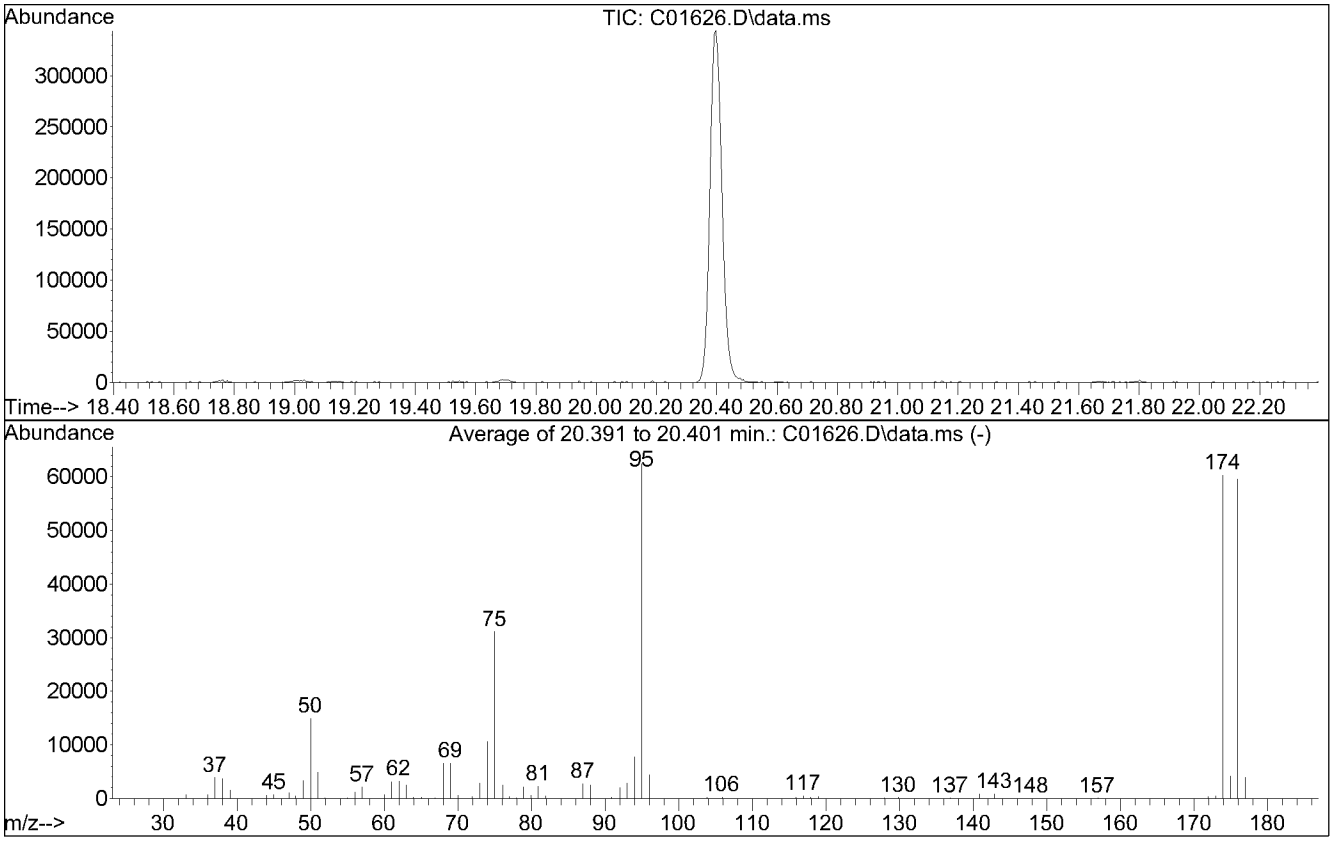
Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Data Path : G:\May2008\Air4\050108\
Data File : C01626.D
Acq On : 1 May 2008 10:08 am
Operator : krl
Sample : 0.04ppbv to-15 low cal
Misc : 1
ALS Vial : 4 Sample Multiplier: 1

Integration File: EVENTS.E

Method : G:\AirMethods\2008\T4050108L.M
Title :
Last Update : Fri May 02 09:28:56 2008



Spectrum Information: Average of 20.391 to 20.401 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	14969	PASS
75	95	30	60	49.8	31160	PASS
95	95	100	100	100.0	62544	PASS
96	95	5	9	7.1	4412	PASS
173	174	0.00	2	0.7	420	PASS
174	95	50	100	96.5	60354	PASS
175	174	5	9	7.0	4232	PASS
176	174	95	101	98.7	59581	PASS
177	176	5	9	6.5	3896	PASS

Response Factor Report Air4

Method Path : G:\AirMethods\2008\
Method File : T4050108L.M
Title :
Last Update : Fri May 02 09:28:56 2008
Response Via : Initial Calibration

Calibration Files
0.1 =C01627.D 0.2 =C01628.D 0.5 =C01629.D 1.0 =C01630.D 2.0 =C01631.D 5.0 =C01632.D 10 =C01633.D
0.04=C01626.D

		Compound	0.1	0.2	0.5	1.0	2.0	5.0	10	0.04	Avg	%RSD
1)	I	BROMOCHLOROMETHANE	ISTD									
2)		PROPENE	5.522	4.882	4.363	4.430	4.549	4.544	4.529		4.688	8.58
3)		DICHLORODIFLUO...	2.542	2.223	1.817	1.839	1.738	1.641	1.304		1.872 E1	21.48
4)		CHLOROMETHANE	1.090	0.879	0.759	0.721	0.698	0.689	0.692		0.790 E1	18.76
5)		FREON 114	2.452	2.143	1.750	1.707	1.691	1.718	1.816		1.897 E1	15.33
6)		VINYL CHLORIDE	8.781	8.301	7.210	6.658	6.896	6.759	6.886		7.356	11.40
7)		1,3-BUTADIENE	6.814	6.582	5.724	5.684	5.800	5.782	6.084		6.067	7.50
8)		BROMOMETHANE	7.241	6.659	5.638	5.327	5.431	5.156	5.452		5.844	13.48
9)		CHLOROETHANE	4.615	4.056	3.603	3.229	3.478	3.226	3.377		3.655	13.95
10)		ACETONE	7.001	5.606	4.236	3.867	3.847	3.653	3.742		4.564	27.77
11)		TRICHLOROFLUOR...	3.768	2.612	2.717	2.624	2.170	2.583	2.641		2.731 E1	17.98
12)		ETHANOL	4.296	3.758	2.991	2.625	2.755	2.581	2.936		3.134	20.63
13)		ACRYLONITRILE	8.713	7.641	6.664	6.318	6.568	6.243	6.376		6.932	13.22
14)		1,1-DICHLOROET...	9.406	7.376	6.864	6.337	6.304	6.382	6.576		7.035	15.81
15)		METHYLENE CHLO...	8.283	7.084	5.829	5.468	5.526	5.186	5.298		6.096	18.96
16)		FREON 113	2.068	1.760	1.465	1.388	1.385	1.339	1.378		1.540 E1	17.71
17)		CARBON DISULFIDE	2.031	1.870	1.626	1.580	1.666	1.626	1.637		1.719 E1	9.68
18)		TRANS-1,2-DICH...	7.097	6.444	5.832	5.633	5.975	5.985	6.048		6.145	7.92
19)		1,1-DICHLOROET...	1.624	1.452	1.252	1.212	1.233	1.205	1.211		1.313 E1	12.38
20)		MTBE	1.344	1.349	1.345	1.375	1.505	1.532	1.581		1.433 E1	7.15
21)		IPA	1.783	1.514	1.376	1.228	1.300	1.284	1.369		1.408 E1	13.42
22)		2-BUTANONE(MEK)	0.871	1.036	1.186	1.237	1.307	1.277	1.309		1.175	13.96
23)		CIS-1,2-DICHLO...	6.765	6.190	5.771	5.839	6.316	6.396	6.441		6.245	5.58
24)		HEXANE	1.242	1.162	1.136	1.135	1.228	1.221	1.260		1.198 E1	4.37
25)		ETHYL ACETATE	2.759	2.557	2.361	2.496	2.530	2.492	2.565		2.537	4.69
26)		CHLOROFORM	1.845	1.720	1.436	1.357	1.364	1.321	1.326		1.481 E1	14.32
27)		TETRAHYDROFURAN	1.859	2.126	2.442	2.689	2.881	2.926	3.011		2.562	17.09
28)		1,2-DICHLOROET...	1.175	1.051	0.933	0.893	0.928	0.900	0.920		0.972 E1	10.71
29)		1,1,1-TRICHLOR...	1.731	1.519	1.294	1.263	1.319	1.322	1.370		1.403 E1	11.90
30)		BENZENE	2.233	2.084	1.910	1.904	2.016	2.000	2.008		2.022 E1	5.56
31)		CARBON TETRACH...	1.709	1.613	1.377	1.336	1.404	1.407	1.465		1.473 E1	9.29

Method Path : G:\AirMethods\2008\
Method File : T4050108L.M
Title :

32)		CYCLOHEXANE	1.174	0.718	0.934	1.284	1.292	1.237	1.275		1.131	E1 19.53
33)	I	1,4-DIFLUOROBENZENE	----------ISTD----------									
34)		1,2-DICHLOROPR...	1.776	1.566	1.419	1.336	1.431	1.408	1.471		1.487	9.78
35)		BROMODICHLOROM...	3.099	2.791	2.494	2.376	2.500	2.554	2.750		2.652	9.27
36)		TRICHLOROETHENE	1.755	1.658	1.495	1.474	1.588	1.610	1.706	0.825	1.514	19.46
37)		1,4-DIOXANE	0.499	0.596	0.627	0.478	0.467	0.543	0.644		0.550	13.17
38)		HEPTANE	1.291	1.438	1.481	1.355	1.431	1.443	1.508		1.421	5.25
39)		MIBK	3.608	3.770	3.493	3.566	3.854	3.846	4.157		3.756	6.01
40)		CIS-1,3DICHLOR...	1.658	1.648	1.665	1.779	2.021	2.119	2.270		1.880	13.55
41)		TRANS-1,3-DICH...	1.428	1.419	1.480	1.537	1.790	1.891	2.040		1.655	15.08
42)		1,1,2-TRICHLOR...	1.696	1.506	1.346	1.225	1.261	1.255	1.303		1.370	12.49
43)		TOLUENE	4.045	4.139	4.166	4.227	4.676	4.750	5.079		4.440	8.85
44)		2-HEXANONE(MBK)	1.146	1.220	1.317	1.404	1.537	1.633	1.758		1.431	15.58
45)		DIBROMOCHLOROM...	2.901	2.701	2.440	2.336	2.598	2.709	3.046		2.676	9.24
46)		1,2-DIBROMOETHANE	2.627	2.441	2.186	2.087	2.229	2.252	2.433		2.322	7.99
47)		TETRACHLOROETHENE	2.670	2.507	2.262	2.190	2.429	2.575	3.042	1.289	2.371	21.50
48)	I	CHLOROBENZENE-D5	----------ISTD----------									
49)		1,1,1,2-TETRAC...	1.732	1.541	1.371	1.326	1.311	1.248	1.173		1.386	13.76
50)		CHLOROBENZENE	1.127	1.042	0.898	0.831	0.847	0.766	0.702		0.888	E1 16.93
51)		ETHYLBENZENE	1.097	1.202	1.225	1.246	1.342	1.242	1.138		1.213	E1 6.55
52)		M/P-XYLENE	4.969	5.460	5.256	5.109	5.385	5.006	4.569		5.108	5.89
53)		BROMOFORM	6.785	6.733	6.227	5.977	6.499	6.434	6.644		6.471	4.47
54)		STYRENE	5.104	6.046	6.626	6.774	7.603	7.108	6.517		6.540	12.20
55)		0-XYLENE	4.567	5.210	5.056	4.946	5.144	4.802	4.419		4.878	6.10
56)		1,1,2,2-TETRAC...	1.066	0.996	0.851	0.772	0.772	0.686	0.627		0.824	E1 19.30
57)	SS	4-BROMOFLUOROB...	1.234	1.274	1.254	1.229	1.201	1.098	0.956		1.178	9.61
58)		ISOPROPYLBENZENE	1.436	1.556	1.492	1.434	1.514	1.394	1.292		1.445	E1 6.04
59)		1,3,5-TRIMETHY...	1.067	1.333	1.462	1.419	1.541	1.431	1.353		1.372	E1 11.03
60)		4-ETHYLTOLUENE	1.098	1.297	1.261	1.205	1.252	1.154	1.093		1.194	E1 6.81
61)		1,2,4-TRIMETHY...	0.875	1.101	1.203	1.193	1.273	1.155	1.105		1.129	E1 11.24
62)		1,3-DICHLOROBE...	1.169	1.183	1.056	0.973	0.988	0.893	0.883		1.021	E1 11.88
63)		BENZYL CHLORIDE	6.756	7.390	7.865	8.276	9.353	8.636	8.588		8.123	10.64
64)		1,4-DICHLOROBE...	1.132	1.110	1.033	0.963	0.987	0.872	0.861		0.994	E1 10.69
65)		SEC-BUTYLBENZENE	1.540	1.758	1.720	1.584	1.621	1.402	1.339		1.566	E1 9.85
66)		4-ISOPROPYLTOLUNE	1.483	1.709	1.727	1.640	1.678	1.458	1.429		1.589	E1 8.04
67)		1,2-DICHLOROBE...	1.128	1.105	1.006	0.945	0.972	0.831	0.806		0.970	E1 12.72
68)		N-BUTYLBENZENE	1.333	1.567	1.592	1.585	1.640	1.418	1.326		1.494	E1 8.82
69)		1,2,4-TRICHLOR...	0.679	0.710	0.781	0.833	0.930	1.010	1.078		0.860	E1 17.57
70)		HEXACHLOROBUTA...	0.916	0.879	0.813	0.840	0.954	1.221			0.937	E1 15.78

Method Path : G:\AirMethods\2008\
Method File : T4050108L.M
Title :

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01626.D Vial: 4
Acq On : 1 May 2008 10:08 am Operator: krl
Sample : 0.04ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:33:01 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.385	128	611489	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.599	114	3356873	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	18.168	82	1468220	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.397	95	1791589	9.17	PPBv	0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 91.70%#			
Target Compounds						Qvalue
2) PROPENE	5.263	42	6436	N.D.		
3) DICHLORODIFLUOROMETHANE	5.349	85	35327	N.D.		
4) CHLOROMETHANE	5.528	50	16301	N.D.		
5) FREON 114	5.641	85	32131	N.D.		
6) VINYL CHLORIDE	5.793	62	10987	N.D.		
7) 1,3-BUTADIENE	5.925	54	8656	N.D.		
8) BROMOMETHANE	6.231	94	8168	N.D.		
9) CHLOROETHANE	6.419	64	4782	N.D.		
10) ACETONE	7.097	58	24228m	0.11	PPBv	
11) TRICHLOROFLUOROMETHANE	7.242	101	54020	N.D.		
12) ETHANOL	6.552	45	6208	N.D.		
13) ACRYLONITRILE	7.535	53	459	N.D.		
14) 1,1-DICHLOROETHENE	7.927	96	10778	N.D.		
15) METHYLENE CHLORIDE	8.039	84	14554	N.D.		
16) FREON 113	8.318	101	26990	N.D.		
17) CARBON DISULFIDE	8.391	76	28059	N.D.		
18) TRANS-1,2-DICHLOROETHENE	9.053	96	7210	N.D.		
19) 1,1-DICHLOROETHANE	9.277	63	22335	N.D.		
20) MTBE	9.419	73	15870	N.D.		
21) IPA	7.363	45	30262	N.D.		
22) 2-BUTANONE(MEK)	9.847	57	0	N.D.		
23) CIS-1,2-DICHLOROETHENE	10.209	96	6337	N.D.		
24) HEXANE	10.423	57	14191	N.D.		
25) ETHYL ACETATE	10.479	61	458	N.D.		
26) CHLOROFORM	10.525	83	26378	N.D.		
27) TETRAHYDROFURAN	0.000	71	0	N.D.		
28) 1,2-DICHLOROETHANE	11.370	62	14940	N.D.		
29) 1,1,1-TRICHLOROETHANE	11.661	97	23497	N.D.		
30) BENZENE	12.216	78	28402	N.D.		
31) CARBON TETRACHLORIDE	12.379	119	20847	N.D.		
32) CYCLOHEXANE	12.542	56	8400	N.D.		
34) 1,2-DICHLOROPROPANE	13.174	63	11865	N.D.		
35) BROMODICHLOROMETHANE	13.408	83	19585	N.D.		
36) TRICHLOROETHENE	13.464	95	11075	N.D.		
37) 1,4-DIOXANE	0.000	88	0	N.D.		

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01626.D Vial: 4
Acq On : 1 May 2008 10:08 am Operator: krl
Sample : 0.04ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:33:01 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

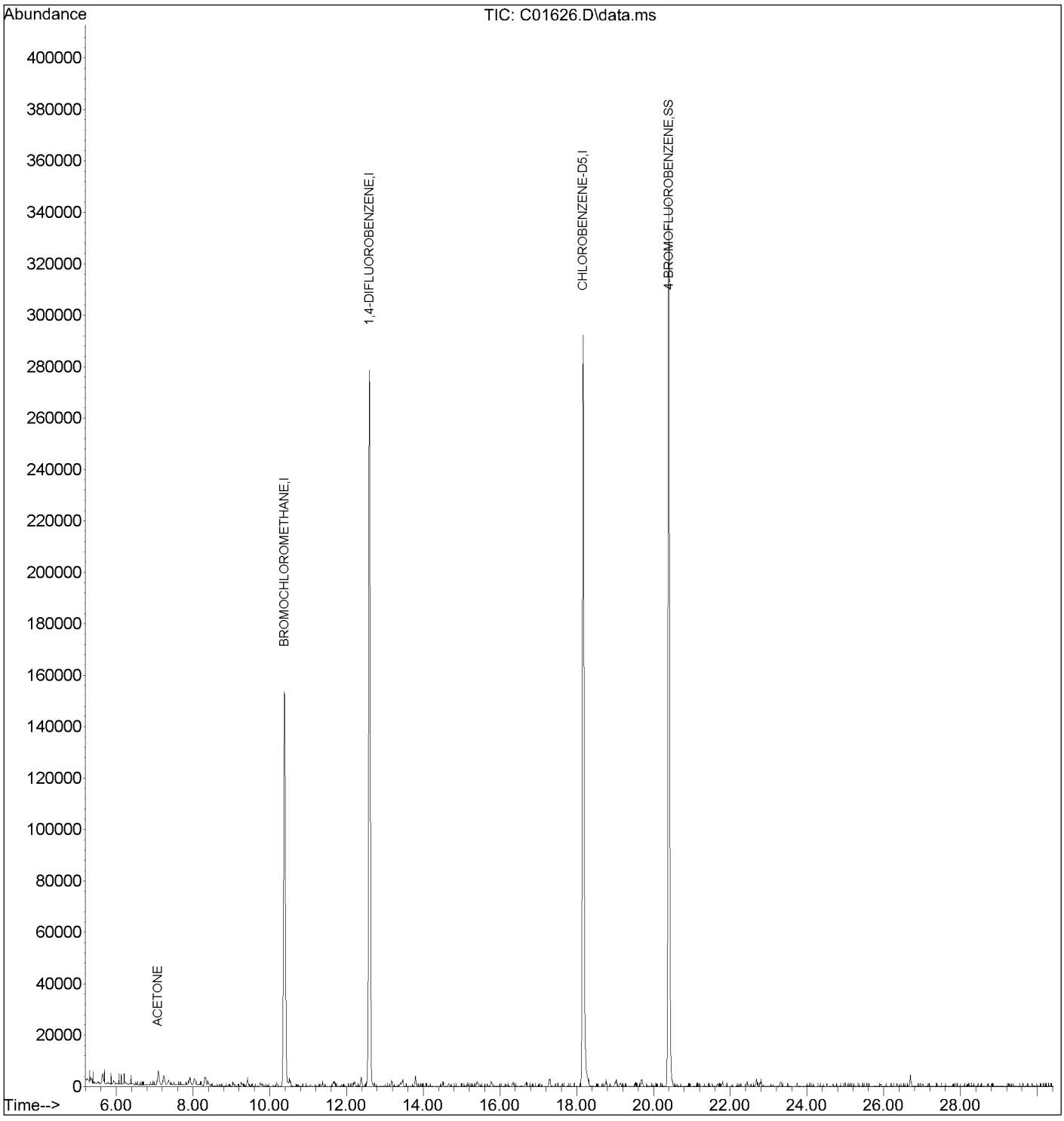
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
38) HEPTANE	13.785	57	7234	N.D.	
39) MIBK	14.666	43	14698	N.D.	
40) CIS-1,3DICHLOROPROPENE	14.508	75	10062	N.D.	
41) TRANS-1,3-DICHLOROPROPENE	15.165	75	8041	N.D.	
42) 1,1,2-TRICHLOROETHANE	15.399	83	10055	N.D.	
43) TOLUENE	15.773	91	27932	N.D.	
44) 2-HEXANONE(MBK)	16.189	58	1149	N.D.	
45) DIBROMOCHLOROMETHANE	16.332	129	16592	N.D.	
46) 1,2-DIBROMOETHANE	16.673	107	15003	N.D.	
47) TETRACHLOROETHENE	17.299	166	17311	N.D.	
49) 1,1,1,2-TETRACHLOROETHANE	18.272	135	0	N.D.	
50) CHLOROBENZENE	18.232	112	33270	N.D.	
51) ETHYLBENZENE	18.761	91	25515	N.D.	
52) M/P-XYLENE	19.016	106	16489	N.D.	
53) BROMOFORM	19.123	173	16946	N.D.	
54) STYRENE	19.541	104	9363	N.D.	
55) 0-XYLENE	19.709	106	6754	N.D.	
56) 1,1,2,2-TETRACHLOROETHANE	19.688	83	27997	N.D.	
58) ISOPROPYLBENZENE	20.610	105	12467	N.D.	
59) 1,3,5-TRIMETHYLBENZENE	21.670	105	20156	N.D.	
60) 4-ETHYLTOLUENE	21.792	105	17366	N.D.	
61) 1,2,4-TRIMETHYLBENZENE	22.454	105	13676	N.D.	
62) 1,3-DICHLOROBENZENE	22.678	146	20035	N.D.	
63) BENZYL CHLORIDE	22.653	91	8844	N.D.	
64) 1,4-DICHLOROBENZENE	22.785	146	15623	N.D.	
65) SEC-BUTYLBENZENE	22.867	105	10018	N.D.	
66) 4-ISOPROPYLTOLUNE	23.122	119	9283	N.D.	
67) 1,2-DICHLOROBENZENE	23.315	146	16351	N.D.	
68) N-BUTYLBENZENE	23.748	91	7038	N.D.	
69) 1,2,4-TRICHLOROBENZENE	25.908	180	7329	N.D.	
70) HEXACHLOROBUTADIENE	26.692	225	15501	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01626.D Vial: 4
Acq On : 1 May 2008 10:08 am Operator: krl
Sample : 0.04ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:33:01 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M



Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01627.D Vial: 17
Acq On : 1 May 2008 10:49 am Operator: krl
Sample : 0.1ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:45:38 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.386	128	603939	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.599	114	3362080	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	18.168	82	1488408	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.396	95	1836882	9.27	PPBv	0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 92.70%#			
Target Compounds						Qvalue
2) PROPENE	5.254	42	33351	0.12	PPBv #	52
3) DICHLORODIFLUOROMETHANE	5.344	85	153515	0.12	PPBv #	93
4) CHLOROMETHANE	5.529	50	65807	0.14	PPBv #	42
5) FREON 114	5.640	85	148074	0.13	PPBv	95
6) VINYL CHLORIDE	5.783	62	53030	0.11	PPBv #	44
7) 1,3-BUTADIENE	5.933	54	41151	0.12	PPBv	82
8) BROMOMETHANE	6.240	94	43733	0.13	PPBv #	91
9) CHLOROETHANE	6.418	64	27870	0.14	PPBv #	43
10) ACETONE	7.097	58	42282	0.19	PPBv #	63
11) TRICHLOROFLUOROMETHANE	7.243	101	227588	0.16	PPBv	98
12) ETHANOL	6.540	45	25945	0.17	PPBv #	41
13) ACRYLONITRILE	7.542	53	52620	0.18	PPBv #	79
14) 1,1-DICHLOROETHENE	7.918	96	56806	0.16	PPBv	96
15) METHYLENE CHLORIDE	8.035	84	50026	0.15	PPBv #	77
16) FREON 113	8.314	101	124909	0.14	PPBv	93
17) CARBON DISULFIDE	8.393	76	122651	0.13	PPBv	100
18) TRANS-1,2-DICHLOROETHENE	9.049	96	42861	0.11	PPBv #	72
19) 1,1-DICHLOROETHANE	9.273	63	98081	0.11	PPBv #	90
20) MTBE	9.404	73	81192	N.D.		
21) IPA	7.355	45	107699	0.17	PPBv #	80
22) 2-BUTANONE(MEK)	9.751	57	5260	N.D.		
23) CIS-1,2-DICHLOROETHENE	10.191	96	40858	0.11	PPBv #	69
24) HEXANE	10.427	57	75020	0.11	PPBv #	1
25) ETHYL ACETATE	10.459	61	16663m	0.11	PPBv	
26) CHLOROFORM	10.524	83	111404	0.11	PPBv	99
27) TETRAHYDROFURAN	11.055	71	11228	N.D.		
28) 1,2-DICHLOROETHANE	11.370	62	70959	0.10	PPBv #	50
29) 1,1,1-TRICHLOROETHANE	11.674	97	104526	0.11	PPBv	97
30) BENZENE	12.215	78	134876	0.10	PPBv	100
31) CARBON TETRACHLORIDE	12.397	119	103215	0.11	PPBv	98
32) CYCLOHEXANE	12.547	56	70903m	0.10	PPBv	
34) 1,2-DICHLOROPROPANE	13.179	63	59720	0.12	PPBv #	89
35) BROMODICHLOROMETHANE	13.410	83	104199	0.11	PPBv #	97
36) TRICHLOROETHENE	13.464	95	58998	0.11	PPBv	89
37) 1,4-DIOXANE	13.647	88	16781m	0.10	PPBv	

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01627.D Vial: 17
Acq On : 1 May 2008 10:49 am Operator: krl
Sample : 0.1ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:45:38 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

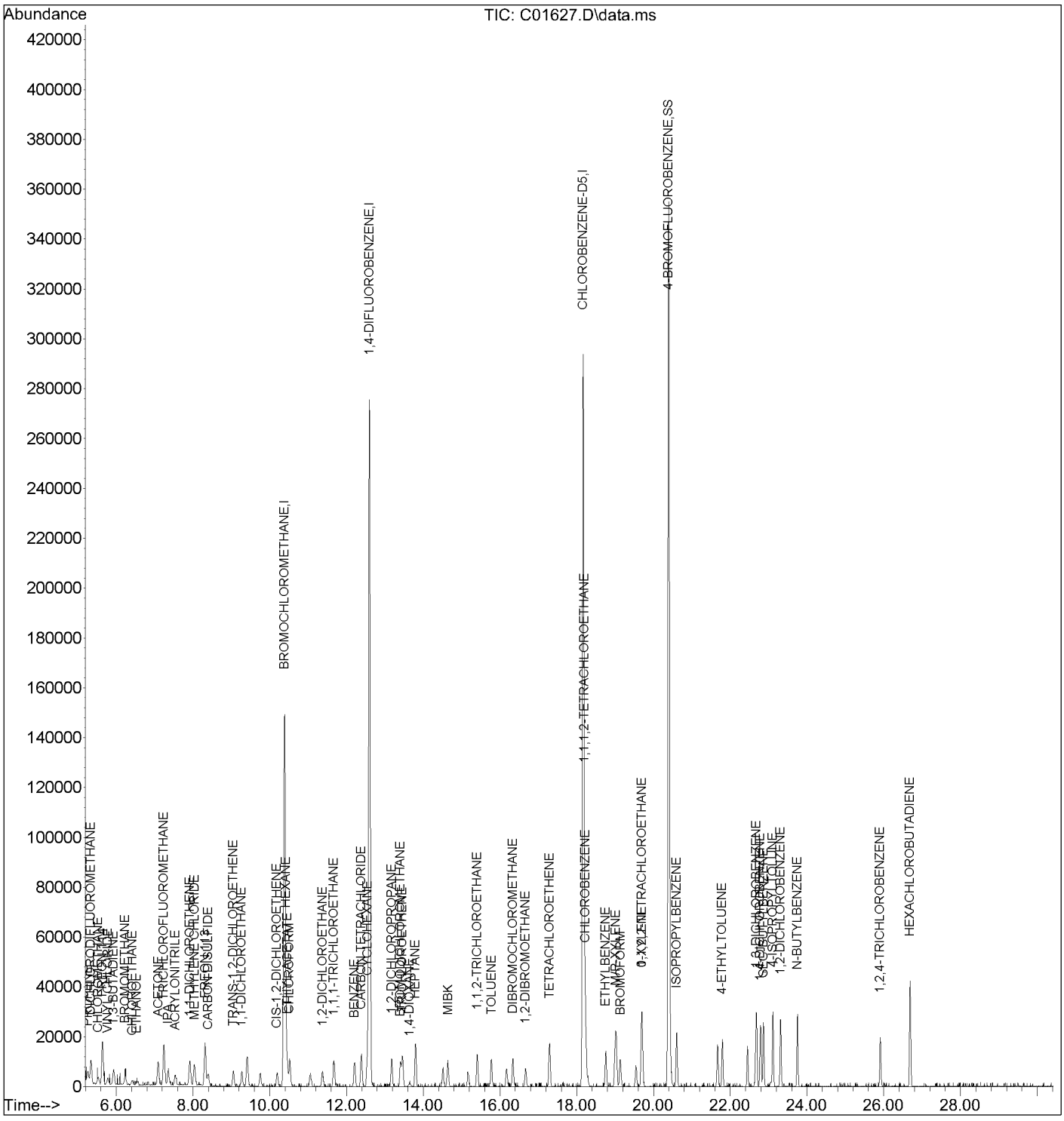
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
38) HEPTANE	13.804	57	43390	0.09 PPBv #	74
39) MIBK	14.642	43	121318	0.10 PPBv #	75
40) CIS-1,3DICHLOROPROPENE	14.516	75	55737	N.D.	
41) TRANS-1,3-DICHLOROPROPENE	15.160	75	48024	N.D.	
42) 1,1,2-TRICHLOROETHANE	15.408	83	57012	0.12 PPBv	98
43) TOLUENE	15.776	91	136008	0.09 PPBv	98
44) 2-HEXANONE(MBK)	16.171	58	38539	N.D.	
45) DIBROMOCHLOROMETHANE	16.340	129	97529	0.11 PPBv #	85
46) 1,2-DIBROMOETHANE	16.671	107	88309	0.11 PPBv	96
47) TETRACHLOROETHENE	17.294	166	89780	0.15 PPBv	90
49) 1,1,1,2-TETRACHLOROETHANE	18.201	135	25787m	0.14 PPBv	
50) CHLOROBENZENE	18.228	112	167753	0.14 PPBv	97
51) ETHYLBENZENE	18.760	91	163270	0.09 PPBv	100
52) M/P-XYLENE	19.024	106	147906	0.21 PPBv	96
53) BROMOFORM	19.138	173	100985m	0.14 PPBv	
54) STYRENE	19.544	104	75974	N.D.	
55) 0-XYLENE	19.707	106	67977	0.10 PPBv	99
56) 1,1,2,2-TETRACHLOROETHANE	19.690	83	158647	0.14 PPBv #	96
58) ISOPROPYLBENZENE	20.607	105	213788	0.10 PPBv #	85
59) 1,3,5-TRIMETHYLBENZENE	21.671	105	158805	N.D.	
60) 4-ETHYLTOLUENE	21.797	105	163498	0.10 PPBv	97
61) 1,2,4-TRIMETHYLBENZENE	22.452	105	130275	N.D.	
62) 1,3-DICHLOROBENZENE	22.689	146	174049	0.14 PPBv	95
63) BENZYL CHLORIDE	22.663	91	100563	N.D.	
64) 1,4-DICHLOROBENZENE	22.790	146	168542	0.14 PPBv	94
65) SEC-BUTYLBENZENE	22.867	105	229164	0.10 PPBv #	63
66) 4-ISOPROPYLTOLUNE	23.116	119	220688	0.10 PPBv	98
67) 1,2-DICHLOROBENZENE	23.314	146	167895	0.14 PPBv	93
68) N-BUTYLBENZENE	23.752	91	198434	0.10 PPBv #	94
69) 1,2,4-TRICHLOROBENZENE	25.912	180	101068	0.11 PPBv #	80
70) HEXACHLOROBUTADIENE	26.693	225	136411	0.15 PPBv	100

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

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01627.D Vial: 17
Acq On : 1 May 2008 10:49 am Operator: krl
Sample : 0.1ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:45:38 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M



Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01628.D Vial: 17
Acq On : 1 May 2008 11:30 am Operator: krl
Sample : 0.2ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:08:07 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.390	128	622067	10.00	PPBv		0.01
33) 1,4-DIFLUOROBENZENE	12.603	114	3487217	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	18.171	82	1515340	10.00	PPBv		0.01
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.398	95	1931104	9.58	PPBv		0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 95.80%#				
Target Compounds							Qvalue
2) PROPENE	5.273	42	60738m	0.22	PPBv		
3) DICHLORODIFLUOROMETHANE	5.345	85	276533	0.21	PPBv	#	93
4) CHLOROMETHANE	5.528	50	109356	0.22	PPBv		99
5) FREON 114	5.644	85	266632	0.22	PPBv		90
6) VINYL CHLORIDE	5.783	62	103277	0.21	PPBv		98
7) 1,3-BUTADIENE	5.938	54	81894	0.22	PPBv		90
8) BROMOMETHANE	6.231	94	82846	0.23	PPBv	#	93
9) CHLOROETHANE	6.426	64	50459	0.24	PPBv	#	43
10) ACETONE	7.110	58	69744	0.31	PPBv		86
11) TRICHLOROFLUOROMETHANE	7.249	101	324936	0.22	PPBv		97
12) ETHANOL	6.558	45	46754	0.30	PPBv	#	41
13) ACRYLONITRILE	7.543	53	95065	0.31	PPBv		97
14) 1,1-DICHLOROETHENE	7.923	96	91772	0.25	PPBv		87
15) METHYLENE CHLORIDE	8.044	84	88137	0.26	PPBv	#	73
16) FREON 113	8.323	101	218912	0.23	PPBv		100
17) CARBON DISULFIDE	8.402	76	232708	0.24	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	9.063	96	80176	0.20	PPBv		94
19) 1,1-DICHLOROETHANE	9.279	63	180664	0.20	PPBv	#	91
20) MTBE	9.417	73	167799	0.16	PPBv		92
21) IPA	7.372	45	188394	0.29	PPBv	#	85
22) 2-BUTANONE(MEK)	9.761	57	12894m	0.15	PPBv		
23) CIS-1,2-DICHLOROETHENE	10.195	96	77018	0.19	PPBv		92
24) HEXANE	10.431	57	144552	0.20	PPBv	#	1
25) ETHYL ACETATE	10.474	61	31812	0.20	PPBv		90
26) CHLOROFORM	10.528	83	213939	0.21	PPBv		98
27) TETRAHYDROFURAN	11.055	71	26453m	0.16	PPBv		
28) 1,2-DICHLOROETHANE	11.374	62	130799	0.18	PPBv	#	94
29) 1,1,1-TRICHLOROETHANE	11.675	97	189039	0.19	PPBv		98
30) BENZENE	12.216	78	259257	0.19	PPBv		100
31) CARBON TETRACHLORIDE	12.391	119	200624	0.20	PPBv		96
32) CYCLOHEXANE	12.552	56	89330	0.12	PPBv	#	55
34) 1,2-DICHLOROPROPANE	13.188	63	109218	0.20	PPBv	#	89
35) BROMODICHLOROMETHANE	13.413	83	194623	0.19	PPBv	#	96
36) TRICHLOROETHENE	13.465	95	115651	0.22	PPBv		90
37) 1,4-DIOXANE	13.657	88	41541	0.24	PPBv	#	12

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01628.D Vial: 17
Acq On : 1 May 2008 11:30 am Operator: krl
Sample : 0.2ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:08:07 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

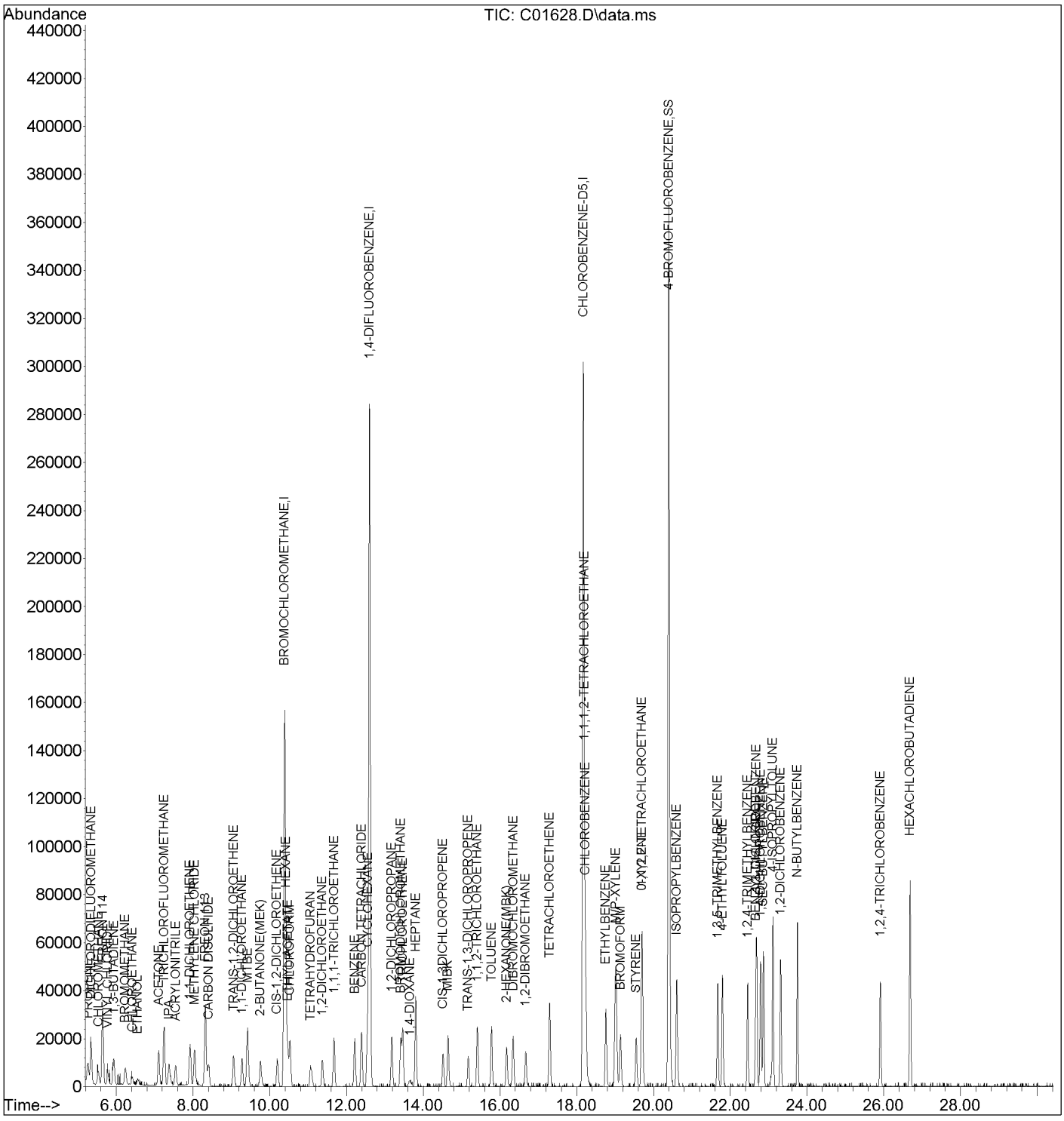
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
38) HEPTANE	13.805	57	100269	0.21 PPBv	#	77
39) MIBK	14.646	43	262916	0.20 PPBv		93
40) CIS-1,3DICHLOROPROPENE	14.517	75	114952	0.16 PPBv	#	56
41) TRANS-1,3-DICHLOROPROPENE	15.175	75	98942	0.15 PPBv		96
42) 1,1,2-TRICHLOROETHANE	15.415	83	105049	0.21 PPBv		92
43) TOLUENE	15.780	91	288660	0.19 PPBv		98
44) 2-HEXANONE(MBK)	16.172	58	85098	0.17 PPBv	#	69
45) DIBROMOCHLOROMETHANE	16.340	129	188364	0.21 PPBv		99
46) 1,2-DIBROMOETHANE	16.672	107	170258	0.21 PPBv		97
47) TETRACHLOROETHENE	17.295	166	174873	0.27 PPBv		89
49) 1,1,1,2-TETRACHLOROETHANE	18.206	135	46713	0.25 PPBv		84
50) CHLOROBENZENE	18.231	112	315871	0.26 PPBv		97
51) ETHYLBENZENE	18.760	91	364200	0.20 PPBv		98
52) M/P-XYLENE	19.019	106	330940	0.46 PPBv		97
53) BROMOFORM	19.141	173	204063	0.28 PPBv		99
54) STYRENE	19.550	104	183225	0.19 PPBv	#	92
55) 0-XYLENE	19.713	106	157891	0.23 PPBv		98
56) 1,1,2,2-TETRACHLOROETHANE	19.697	83	301780	0.25 PPBv		98
58) ISOPROPYLBENZENE	20.607	105	471630	0.22 PPBv	#	92
59) 1,3,5-TRIMETHYLBENZENE	21.675	105	403872m	0.20 PPBv		
60) 4-ETHYLTOLUENE	21.797	105	393202m	0.23 PPBv		
61) 1,2,4-TRIMETHYLBENZENE	22.456	105	333613	0.20 PPBv		96
62) 1,3-DICHLOROBENZENE	22.689	146	358530	0.29 PPBv		96
63) BENZYL CHLORIDE	22.662	91	223979	0.17 PPBv		99
64) 1,4-DICHLOROBENZENE	22.793	146	336548	0.27 PPBv		97
65) SEC-BUTYLBENZENE	22.868	105	532665	0.24 PPBv		97
66) 4-ISOPROPYLTOLUNE	23.115	119	517930	0.23 PPBv		97
67) 1,2-DICHLOROBENZENE	23.314	146	334947	0.28 PPBv		96
68) N-BUTYLBENZENE	23.754	91	474854	0.23 PPBv		96
69) 1,2,4-TRICHLOROBENZENE	25.914	180	215227	0.24 PPBv		96
70) HEXACHLOROBUTADIENE	26.690	225	266356	0.30 PPBv		100

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

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01628.D Vial: 17
Acq On : 1 May 2008 11:30 am Operator: krl
Sample : 0.2ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:08:07 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M



Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01629.D Vial: 17
Acq On : 1 May 2008 12:11 pm Operator: krl
Sample : 0.5ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:09:30 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.392	128	648428	10.00	PPBv		0.01
33) 1,4-DIFLUOROBENZENE	12.604	114	3626347	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	18.171	82	1600276	10.00	PPBv		0.01
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.399	95	2006623	9.42	PPBv		0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 94.20%#				
Target Compounds							Qvalue
2) PROPENE	5.270	42	141464	0.48	PPBv		94
3) DICHLORODIFLUOROMETHANE	5.351	85	588938	0.44	PPBv		99
4) CHLOROMETHANE	5.539	50	246007	0.47	PPBv		98
5) FREON 114	5.650	85	567387	0.45	PPBv		93
6) VINYL CHLORIDE	5.784	62	233751	0.46	PPBv		100
7) 1,3-BUTADIENE	5.942	54	185572	0.49	PPBv		96
8) BROMOMETHANE	6.244	94	182791	0.50	PPBv		96
9) CHLOROETHANE	6.434	64	116817	0.53	PPBv		93
10) ACETONE	7.101	58	137325	0.58	PPBv		70
11) TRICHLOROFLUOROMETHANE	7.252	101	881027	0.58	PPBv		100
12) ETHANOL	6.559	45	96958	0.59	PPBv	#	98
13) ACRYLONITRILE	7.546	53	216068	0.68	PPBv		99
14) 1,1-DICHLOROETHENE	7.927	96	222540	0.58	PPBv		90
15) METHYLENE CHLORIDE	8.046	84	188977	0.54	PPBv	#	75
16) FREON 113	8.324	101	474881	0.49	PPBv		99
17) CARBON DISULFIDE	8.405	76	527044	0.51	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	9.064	96	189078	0.45	PPBv		94
19) 1,1-DICHLOROETHANE	9.285	63	405942	0.43	PPBv		100
20) MTBE	9.399	73	435925	0.40	PPBv		94
21) IPA	7.370	45	446268	0.66	PPBv	#	90
22) 2-BUTANONE(MEK)	9.750	57	38464	0.43	PPBv		96
23) CIS-1,2-DICHLOROETHENE	10.199	96	187119	0.45	PPBv		95
24) HEXANE	10.429	57	368235	0.48	PPBv	#	1
25) ETHYL ACETATE	10.456	61	76559	0.47	PPBv		93
26) CHLOROFORM	10.530	83	465666	0.43	PPBv		99
27) TETRAHYDROFURAN	11.053	71	79173	0.45	PPBv		97
28) 1,2-DICHLOROETHANE	11.380	62	302449	0.40	PPBv		98
29) 1,1,1-TRICHLOROETHANE	11.680	97	419520	0.41	PPBv		97
30) BENZENE	12.217	78	619219	0.43	PPBv		100
31) CARBON TETRACHLORIDE	12.394	119	446369	0.43	PPBv		99
32) CYCLOHEXANE	12.548	56	302843	0.40	PPBv	#	75
34) 1,2-DICHLOROPROPANE	13.185	63	257358	0.46	PPBv	#	89
35) BROMODICHLOROMETHANE	13.415	83	452230	0.43	PPBv		98
36) TRICHLOROETHENE	13.467	95	271144	0.49	PPBv		88
37) 1,4-DIOXANE	13.632	88	113679m	0.63	PPBv		

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01629.D Vial: 17
Acq On : 1 May 2008 12:11 pm Operator: krl
Sample : 0.5ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:09:30 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

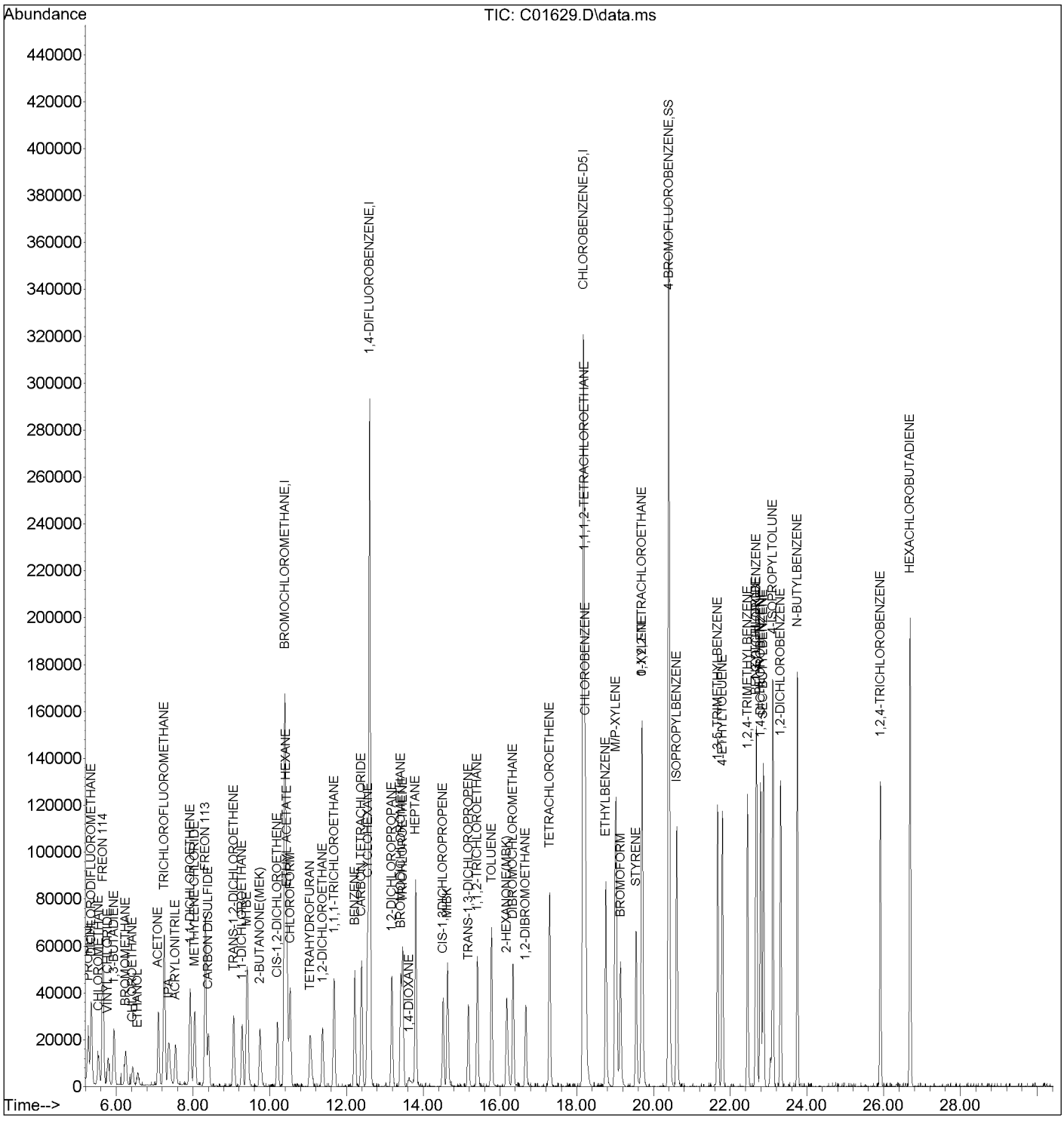
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) HEPTANE	13.803	57	268535	0.54	PPBv	88
39) MIBK	14.634	43	633398	0.47	PPBv	99
40) CIS-1,3DICHLOROPROPENE	14.520	75	301828	0.39	PPBv	96
41) TRANS-1,3-DICHLOROPROPENE	15.178	75	268364	0.38	PPBv	93
42) 1,1,2-TRICHLOROETHANE	15.411	83	244075	0.48	PPBv	98
43) TOLUENE	15.781	91	755344	0.48	PPBv	99
44) 2-HEXANONE(MBK)	16.180	58	238849	0.45	PPBv	87
45) DIBROMOCHLOROMETHANE	16.342	129	442501	0.47	PPBv	99
46) 1,2-DIBROMOETHANE	16.676	107	396429	0.46	PPBv	98
47) TETRACHLOROETHENE	17.297	166	410185	0.62	PPBv	91
49) 1,1,1,2-TETRACHLOROETHANE	18.205	135	109694	0.55	PPBv	90
50) CHLOROBENZENE	18.232	112	718440	0.57	PPBv	94
51) ETHYLBENZENE	18.761	91	979875	0.52	PPBv	98
52) M/P-XYLENE	19.021	106	841085	1.10	PPBv	97
53) BROMOFORM	19.141	173	498275	0.64	PPBv	99
54) STYRENE	19.550	104	530173	0.51	PPBv	95
55) 0-XYLENE	19.711	106	404575	0.55	PPBv	97
56) 1,1,2,2-TETRACHLOROETHANE	19.697	83	680937	0.54	PPBv	99
58) ISOPROPYLBENZENE	20.607	105	1193826	0.53	PPBv	98
59) 1,3,5-TRIMETHYLBENZENE	21.672	105	1169935	0.55	PPBv	97
60) 4-ETHYLTOLUENE	21.798	105	1009163	0.55	PPBv	97
61) 1,2,4-TRIMETHYLBENZENE	22.453	105	962942	0.55	PPBv	98
62) 1,3-DICHLOROBENZENE	22.687	146	845244	0.65	PPBv	96
63) BENZYL CHLORIDE	22.664	91	629281	0.46	PPBv	98
64) 1,4-DICHLOROBENZENE	22.793	146	826492	0.64	PPBv	96
65) SEC-BUTYLBENZENE	22.867	105	1375932	0.58	PPBv	98
66) 4-ISOPROPYLTOLUNE	23.113	119	1381533	0.59	PPBv	97
67) 1,2-DICHLOROBENZENE	23.316	146	804908	0.64	PPBv	96
68) N-BUTYLBENZENE	23.751	91	1273830	0.57	PPBv	97
69) 1,2,4-TRICHLOROBENZENE	25.914	180	624576	0.66	PPBv	96
70) HEXACHLOROBUTADIENE	26.691	225	650879	0.69	PPBv	100

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

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01629.D Vial: 17
Acq On : 1 May 2008 12:11 pm Operator: krl
Sample : 0.5ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:09:30 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M



Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01630.D Vial: 17
Acq On : 1 May 2008 12:52 pm Operator: krl
Sample : 1.0ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:13:09 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.387	128	675336	10.00	PPBv		0.00
33) 1,4-DIFLUOROBENZENE	12.599	114	3866422	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	18.168	82	1732431	10.00	PPBv		0.00
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.396	95	2128953	9.24	PPBv		0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 92.40%#				
Target Compounds							Qvalue
2) PROPENE	5.258	42	299148m	0.98	PPBv		
3) DICHLORODIFLUOROMETHANE	5.344	85	1241652	0.89	PPBv		99
4) CHLOROMETHANE	5.529	50	486580	0.90	PPBv		99
5) FREON 114	5.641	85	1152671	0.88	PPBv		93
6) VINYL CHLORIDE	5.780	62	449616	0.86	PPBv		98
7) 1,3-BUTADIENE	5.936	54	383842	0.97	PPBv		94
8) BROMOMETHANE	6.238	94	359778	0.94	PPBv		99
9) CHLOROETHANE	6.421	64	218094	0.95	PPBv		99
10) ACETONE	7.071	58	261182	1.06	PPBv		71
11) TRICHLOROFLUOROMETHANE	7.245	101	1771758	1.11	PPBv		99
12) ETHANOL	6.536	45	177249	1.04	PPBv	#	97
13) ACRYLONITRILE	7.534	53	426678	1.28	PPBv		100
14) 1,1-DICHLOROETHENE	7.919	96	427943	1.07	PPBv		89
15) METHYLENE CHLORIDE	8.038	84	369252	1.02	PPBv	#	79
16) FREON 113	8.317	101	937149	0.93	PPBv		98
17) CARBON DISULFIDE	8.396	76	1066856	0.99	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	9.056	96	380431	0.87	PPBv		95
19) 1,1-DICHLOROETHANE	9.276	63	818282	0.83	PPBv		99
20) MTBE	9.371	73	928775	0.81	PPBv		95
21) IPA	7.329	45	829541	1.18	PPBv	#	95
22) 2-BUTANONE(MEK)	9.721	57	83509	0.91	PPBv		95
23) CIS-1,2-DICHLOROETHENE	10.197	96	394297	0.91	PPBv		95
24) HEXANE	10.426	57	766375	0.96	PPBv		99
25) ETHYL ACETATE	10.438	61	168543	0.98	PPBv		96
26) CHLOROFORM	10.525	83	916158	0.82	PPBv		99
27) TETRAHYDROFURAN	11.023	71	181581	0.99	PPBv		96
28) 1,2-DICHLOROETHANE	11.372	62	603359	0.76	PPBv		99
29) 1,1,1-TRICHLOROETHANE	11.673	97	852835	0.80	PPBv		98
30) BENZENE	12.212	78	1285765	0.85	PPBv		100
31) CARBON TETRACHLORIDE	12.390	119	902303	0.84	PPBv		100
32) CYCLOHEXANE	12.537	56	867256m	1.09	PPBv		
34) 1,2-DICHLOROPROPANE	13.179	63	516555	0.87	PPBv	#	89
35) BROMODICHLOROMETHANE	13.411	83	918799	0.82	PPBv		99
36) TRICHLOROETHENE	13.463	95	569767	0.96	PPBv		89
37) 1,4-DIOXANE	13.530	88	184915m	0.95	PPBv		

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01630.D Vial: 17
Acq On : 1 May 2008 12:52 pm Operator: krl
Sample : 1.0ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:13:09 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

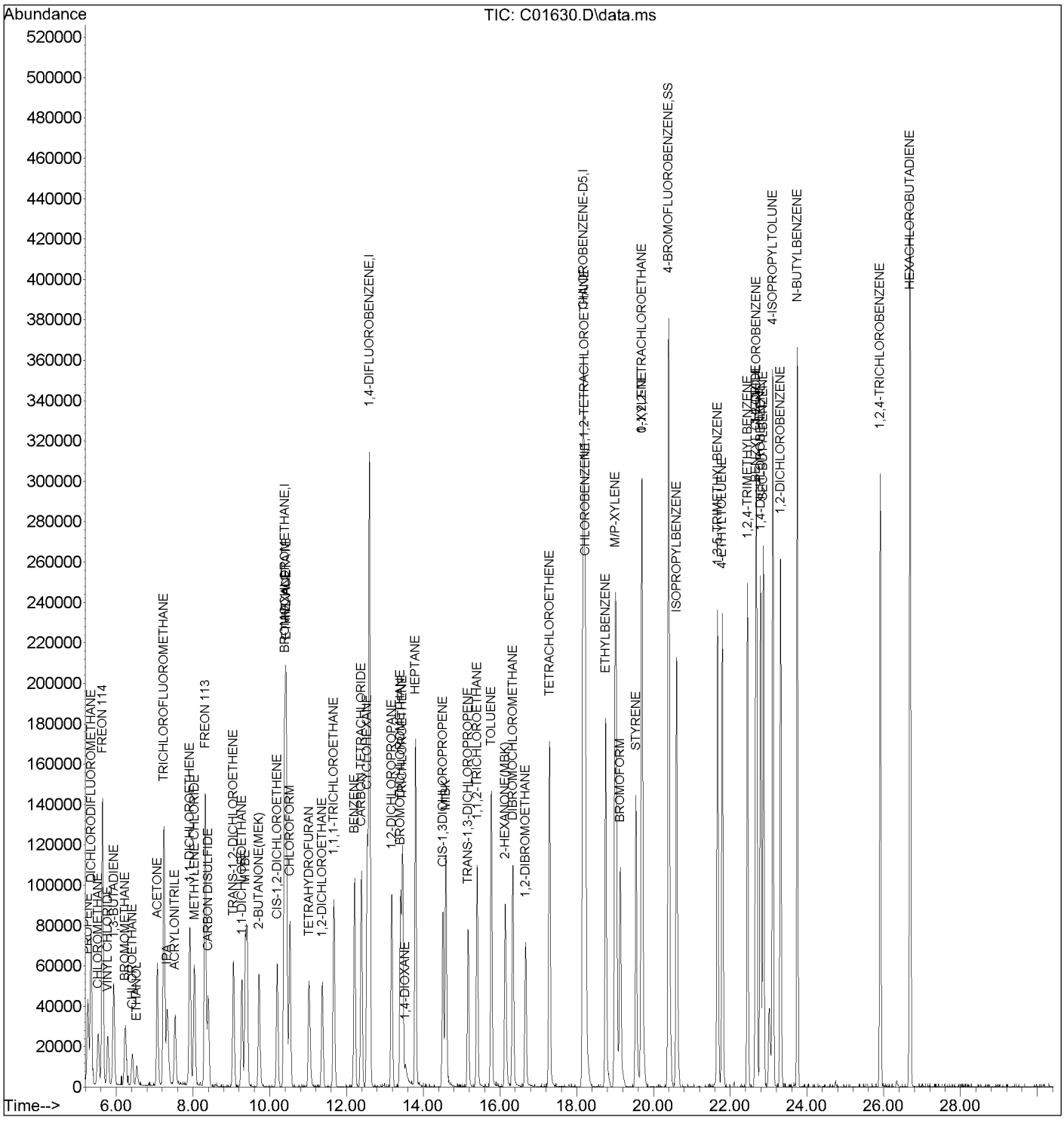
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) HEPTANE	13.800	57	523749	0.98	PPBv	91
39) MIBK	14.590	43	1378610	0.96	PPBv	99
40) CIS-1,3DICHLOROPROPENE	14.514	75	687683	0.84	PPBv	95
41) TRANS-1,3-DICHLOROPROPENE	15.170	75	594227	0.79	PPBv	93
42) 1,1,2-TRICHLOROETHANE	15.407	83	473584	0.87	PPBv	97
43) TOLUENE	15.776	91	1634246	0.97	PPBv	99
44) 2-HEXANONE(MBK)	16.139	58	543035	0.96	PPBv	92
45) DIBROMOCHLOROMETHANE	16.337	129	903116	0.90	PPBv	99
46) 1,2-DIBROMOETHANE	16.669	107	807003	0.89	PPBv	97
47) TETRACHLOROETHENE	17.293	166	846573	1.19	PPBv	90
49) 1,1,1,2-TETRACHLOROETHANE	18.203	135	229678	1.06	PPBv	95
50) CHLOROBENZENE	18.231	112	1440227	1.05	PPBv	92
51) ETHYLBENZENE	18.755	91	2158211	1.06	PPBv	99
52) M/P-XYLENE	19.016	106	1770367	2.14	PPBv	90
53) BROMOFORM	19.136	173	1035406	1.23	PPBv	98
54) STYRENE	19.546	104	1173587	1.05	PPBv	94
55) 0-XYLENE	19.707	106	856821	1.07	PPBv	97
56) 1,1,2,2-TETRACHLOROETHANE	19.691	83	1336739	0.98	PPBv	100
58) ISOPROPYLBENZENE	20.605	105	2484274	1.02	PPBv	99
59) 1,3,5-TRIMETHYLBENZENE	21.670	105	2457710	1.06	PPBv	98
60) 4-ETHYLTOLUENE	21.796	105	2087708	1.04	PPBv	98
61) 1,2,4-TRIMETHYLBENZENE	22.450	105	2066058	1.08	PPBv	98
62) 1,3-DICHLOROBENZENE	22.686	146	1686474	1.19	PPBv	96
63) BENZYL CHLORIDE	22.661	91	1433716	0.96	PPBv	97
64) 1,4-DICHLOROBENZENE	22.791	146	1668176	1.19	PPBv	96
65) SEC-BUTYLBENZENE	22.866	105	2743870	1.07	PPBv	98
66) 4-ISOPROPYLTOLUNE	23.111	119	2840640	1.12	PPBv	96
67) 1,2-DICHLOROBENZENE	23.314	146	1636864	1.21	PPBv	96
68) N-BUTYLBENZENE	23.749	91	2745705	1.14	PPBv	98
69) 1,2,4-TRICHLOROBENZENE	25.912	180	1443813	1.41	PPBv	97
70) HEXACHLOROBUTADIENE	26.690	225	1455536	1.42	PPBv	100

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

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01630.D Vial: 17
Acq On : 1 May 2008 12:52 pm Operator: krl
Sample : 1.0ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:13:09 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M



Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01631.D Vial: 17
Acq On : 1 May 2008 1:35 pm Operator: krl
Sample : 2.0ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:28:00 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.390	128	691636	10.00	PPBv	0.01
33) 1,4-DIFLUOROBENZENE	12.603	114	3954220	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	18.171	82	1827943	10.00	PPBv	0.01
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.400	95	2194798	9.02	PPBv	0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 90.20%#			
Target Compounds						Qvalue
2) PROPENE	5.263	42	629240m	2.01	PPBv	
3) DICHLORODIFLUOROMETHANE	5.345	85	2404432	1.67	PPBv	99
4) CHLOROMETHANE	5.533	50	965605	1.74	PPBv	100
5) FREON 114	5.645	85	2339450	1.75	PPBv	94
6) VINYL CHLORIDE	5.785	62	953971	1.77	PPBv	99
7) 1,3-BUTADIENE	5.936	54	802271	1.98	PPBv	97
8) BROMOMETHANE	6.241	94	751217	1.91	PPBv	99
9) CHLOROETHANE	6.422	64	481098	2.04	PPBv	96
10) ACETONE	7.068	58	532138	2.11	PPBv	89
11) TRICHLOROFLUOROMETHANE	7.250	101	3001949	1.84	PPBv	100
12) ETHANOL	6.538	45	381093	2.17	PPBv #	96
13) ACRYLONITRILE	7.538	53	908596	2.66	PPBv	99
14) 1,1-DICHLOROETHENE	7.928	96	871969	2.13	PPBv	92
15) METHYLENE CHLORIDE	8.044	84	764439	2.07	PPBv #	75
16) FREON 113	8.325	101	1916433	1.85	PPBv	98
17) CARBON DISULFIDE	8.405	76	2304796	2.10	PPBv	100
18) TRANS-1,2-DICHLOROETHENE	9.061	96	826571	1.85	PPBv	95
19) 1,1-DICHLOROETHANE	9.280	63	1705831	1.69	PPBv	99
20) MTBE	9.363	73	2082216	1.77	PPBv	94
21) IPA	7.336	45	1797908	2.50	PPBv #	97
22) 2-BUTANONE(MEK)	9.714	57	180825	1.91	PPBv	96
23) CIS-1,2-DICHLOROETHENE	10.201	96	873627	1.96	PPBv	95
24) HEXANE	10.430	57	1699322	2.08	PPBv	96
25) ETHYL ACETATE	10.433	61	349970	2.00	PPBv	97
26) CHLOROFORM	10.530	83	1886225	1.65	PPBv	99
27) TETRAHYDROFURAN	11.017	71	398556	2.13	PPBv	97
28) 1,2-DICHLOROETHANE	11.375	62	1284357	1.57	PPBv	98
29) 1,1,1-TRICHLOROETHANE	11.676	97	1824469	1.68	PPBv	99
30) BENZENE	12.215	78	2788222	1.80	PPBv	100
31) CARBON TETRACHLORIDE	12.394	119	1942631	1.77	PPBv	100
32) CYCLOHEXANE	12.542	56	1787362m	2.19	PPBv	
34) 1,2-DICHLOROPROPANE	13.182	63	1131494	1.87	PPBv	99
35) BROMODICHLOROMETHANE	13.414	83	1976862	1.72	PPBv	99
36) TRICHLOROETHENE	13.465	95	1255709	2.07	PPBv	90
37) 1,4-DIOXANE	13.525	88	369097m	1.86	PPBv	

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01631.D Vial: 17
Acq On : 1 May 2008 1:35 pm Operator: krl
Sample : 2.0ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:28:00 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

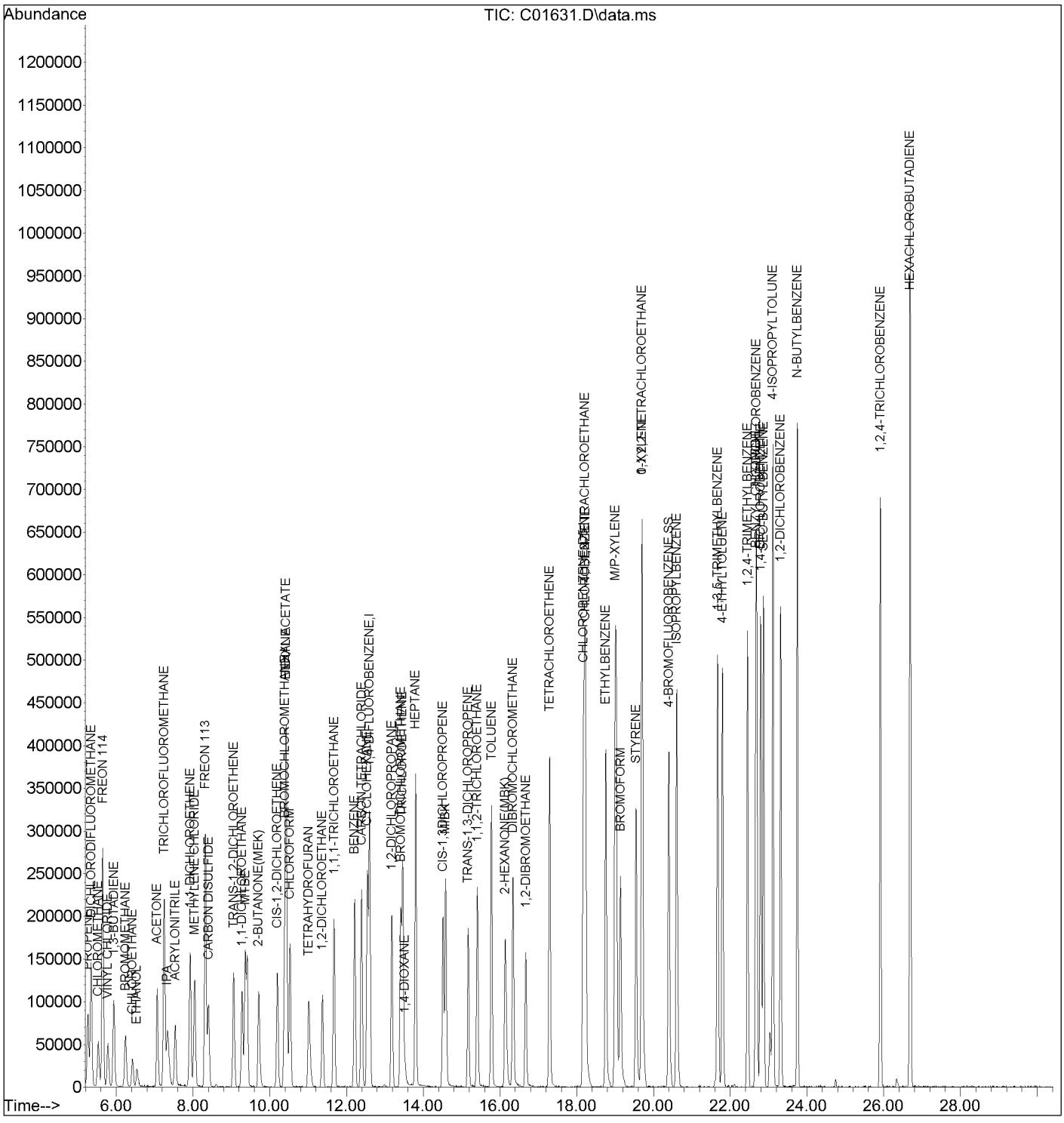
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
38) HEPTANE	13.803	57	1132079	2.08 PPBv	93
39) MIBK	14.584	43	3048023	2.08 PPBv	98
40) CIS-1,3DICHLOROPROPENE	14.517	75	1598365	1.90 PPBv	95
41) TRANS-1,3-DICHLOROPROPENE	15.173	75	1415907	1.85 PPBv	94
42) 1,1,2-TRICHLOROETHANE	15.412	83	997446	1.79 PPBv	94
43) TOLUENE	15.779	91	3697718	2.14 PPBv	99
44) 2-HEXANONE(MBK)	16.138	58	1215242	2.11 PPBv	94
45) DIBROMOCHLOROMETHANE	16.341	129	2054795	2.01 PPBv	100
46) 1,2-DIBROMOETHANE	16.674	107	1763094	1.89 PPBv	99
47) TETRACHLOROETHENE	17.296	166	1920781	2.64 PPBv	89
49) 1,1,1,2-TETRACHLOROETHANE	18.206	135	479220	2.09 PPBv	92
50) CHLOROBENZENE	18.234	112	3097457	2.14 PPBv	90
51) ETHYLBENZENE	18.759	91	4905173	2.28 PPBv	98
52) M/P-XYLENE	19.017	106	3937181	4.50 PPBv	93
53) BROMOFORM	19.142	173	2375833	2.66 PPBv	99
54) STYRENE	19.548	104	2779430	2.35 PPBv	94
55) 0-XYLENE	19.710	106	1880488	2.24 PPBv	98
56) 1,1,2,2-TETRACHLOROETHANE	19.696	83	2822016	1.97 PPBv	99
58) ISOPROPYLBENZENE	20.607	105	5535463	2.16 PPBv	99
59) 1,3,5-TRIMETHYLBENZENE	21.672	105	5635272	2.30 PPBv	98
60) 4-ETHYLTOLUENE	21.797	105	4576012m	2.17 PPBv	
61) 1,2,4-TRIMETHYLBENZENE	22.453	105	4653183	2.31 PPBv	99
62) 1,3-DICHLOROBENZENE	22.690	146	3611039	2.42 PPBv	96
63) BENZYL CHLORIDE	22.663	91	3419305	2.17 PPBv	97
64) 1,4-DICHLOROBENZENE	22.795	146	3610042	2.44 PPBv	96
65) SEC-BUTYLBENZENE	22.869	105	5926765	2.20 PPBv	98
66) 4-ISOPROPYLTOLUNE	23.114	119	6136176	2.30 PPBv	97
67) 1,2-DICHLOROBENZENE	23.317	146	3553102	2.48 PPBv	96
68) N-BUTYLBENZENE	23.752	91	5993922	2.36 PPBv	98
69) 1,2,4-TRICHLOROBENZENE	25.914	180	3399106	3.15 PPBv	97
70) HEXACHLOROBUTADIENE	26.692	225	3486750	3.22 PPBv	100

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

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01631.D Vial: 17
Acq On : 1 May 2008 1:35 pm Operator: krl
Sample : 2.0ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:28:00 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M



Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01632.D Vial: 17
Acq On : 1 May 2008 2:21 pm Operator: krl
Sample : 5.0ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:28:17 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.388	128	750717	10.00	PPBv		0.01
33) 1,4-DIFLUOROBENZENE	12.600	114	4238883	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	18.171	82	2150542	10.00	PPBv		0.01
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.398	95	2361197	8.25	PPBv		0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 82.50%#				
Target Compounds							Qvalue
2) PROPENE	5.263	42	1705669m	5.03	PPBv		
3) DICHLORODIFLUOROMETHANE	5.344	85	6160722	3.95	PPBv		99
4) CHLOROMETHANE	5.530	50	2586714	4.30	PPBv		99
5) FREON 114	5.643	85	6448997	4.44	PPBv		92
6) VINYL CHLORIDE	5.783	62	2537085	4.34	PPBv		98
7) 1,3-BUTADIENE	5.934	54	2170407	4.94	PPBv		95
8) BROMOMETHANE	6.237	94	1935323	4.54	PPBv		99
9) CHLOROETHANE	6.423	64	1210792	4.72	PPBv		97
10) ACETONE	7.048	58	1371189	5.01	PPBv		74
11) TRICHLOROFLUOROMETHANE	7.245	101	9693721	5.47	PPBv		100
12) ETHANOL	6.521	45	968811	5.09	PPBv	#	98
13) ACRYLONITRILE	7.529	53	2343187	6.33	PPBv		100
14) 1,1-DICHLOROETHENE	7.921	96	2395605	5.38	PPBv		92
15) METHYLENE CHLORIDE	8.039	84	1946595	4.85	PPBv	#	80
16) FREON 113	8.318	101	5027837	4.47	PPBv		97
17) CARBON DISULFIDE	8.397	76	6105186	5.12	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	9.056	96	2246436	4.64	PPBv		96
19) 1,1-DICHLOROETHANE	9.276	63	4521743	4.13	PPBv		99
20) MTBE	9.341	73	5749006	4.51	PPBv		94
21) IPA	7.304	45	4819530	6.17	PPBv	#	95
22) 2-BUTANONE(MEK)	9.697	57	479170	4.67	PPBv		97
23) CIS-1,2-DICHLOROETHENE	10.196	96	2400732	4.97	PPBv		95
24) HEXANE	10.425	57	4581893	5.16	PPBv		96
25) ETHYL ACETATE	10.419	61	935424	4.92	PPBv		95
26) CHLOROFORM	10.526	83	4960088	3.99	PPBv		99
27) TETRAHYDROFURAN	10.997	71	1098173	5.40	PPBv		98
28) 1,2-DICHLOROETHANE	11.372	62	3377693	3.81	PPBv		98
29) 1,1,1-TRICHLOROETHANE	11.672	97	4961547	4.21	PPBv		99
30) BENZENE	12.212	78	7506554	4.47	PPBv		100
31) CARBON TETRACHLORIDE	12.390	119	5281589	4.44	PPBv		100
32) CYCLOHEXANE	12.542	56	4642399m	5.24	PPBv		
34) 1,2-DICHLOROPROPANE	13.178	63	2984246	4.59	PPBv		99
35) BROMODICHLOROMETHANE	13.410	83	5412219	4.40	PPBv		99
36) TRICHLOROETHENE	13.462	95	3412807	5.24	PPBv		90
37) 1,4-DIOXANE	13.469	88	1150361m	5.41	PPBv		

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01632.D Vial: 17
Acq On : 1 May 2008 2:21 pm Operator: krl
Sample : 5.0ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:28:17 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

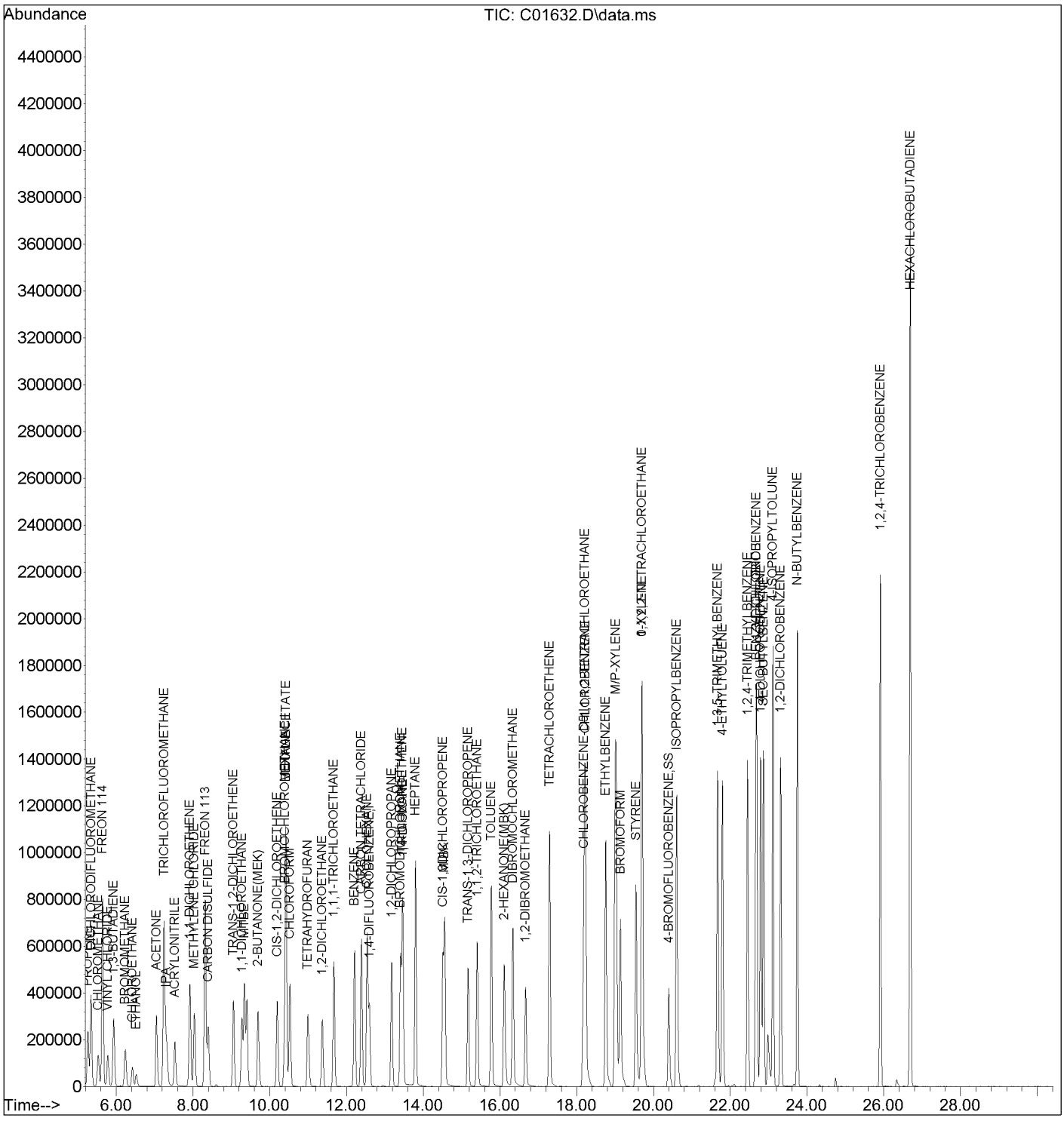
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) HEPTANE	13.801	57	3058383	5.24	PPBv		93
39) MIBK	14.559	43	8150401	5.19	PPBv		99
40) CIS-1,3DICHLOROPROPENE	14.512	75	4490854	4.99	PPBv		94
41) TRANS-1,3-DICHLOROPROPENE	15.170	75	4007963	4.89	PPBv		94
42) 1,1,2-TRICHLOROETHANE	15.408	83	2660606	4.45	PPBv		95
43) TOLUENE	15.777	91	10066475	5.44	PPBv		100
44) 2-HEXANONE(MBK)	16.112	58	3460330	5.60	PPBv		97
45) DIBROMOCHLOROMETHANE	16.338	129	5741024	5.23	PPBv		99
46) 1,2-DIBROMOETHANE	16.669	107	4773150	4.78	PPBv		100
47) TETRACHLOROETHENE	17.294	166	5458248	7.00	PPBv	#	88
49) 1,1,1,2-TETRACHLOROETHANE	18.204	135	1341832	4.98	PPBv		96
50) CHLOROBENZENE	18.231	112	8235456	4.83	PPBv		90
51) ETHYLBENZENE	18.757	91	13356405	5.29	PPBv		98
52) M/P-XYLENE	19.016	106	10766487	10.47	PPBv		99
53) BROMOFORM	19.140	173	6918607	6.60	PPBv		98
54) STYRENE	19.546	104	7643454	5.49	PPBv		94
55) 0-XYLENE	19.708	106	5163322	5.22	PPBv		96
56) 1,1,2,2-TETRACHLOROETHANE	19.693	83	7380901	4.37	PPBv		99
58) ISOPROPYLBENZENE	20.606	105	14985375	4.97	PPBv		99
59) 1,3,5-TRIMETHYLBENZENE	21.672	105	15388931	5.34	PPBv		99
60) 4-ETHYLTOLUENE	21.797	105	12410267m	5.00	PPBv		
61) 1,2,4-TRIMETHYLBENZENE	22.453	105	12420088	5.24	PPBv		98
62) 1,3-DICHLOROBENZENE	22.691	146	9606404	5.47	PPBv		95
63) BENZYL CHLORIDE	22.664	91	9286368	5.01	PPBv		96
64) 1,4-DICHLOROBENZENE	22.795	146	9377944	5.40	PPBv		95
65) SEC-BUTYLBENZENE	22.868	105	15077902	4.75	PPBv		98
66) 4-ISOPROPYLTOLUNE	23.115	119	15676253	4.99	PPBv		97
67) 1,2-DICHLOROBENZENE	23.317	146	8938979	5.30	PPBv		95
68) N-BUTYLBENZENE	23.752	91	15251384	5.10	PPBv		98
69) 1,2,4-TRICHLOROBENZENE	25.915	180	10859589	8.55	PPBv	#	96
70) HEXACHLOROBUTADIENE	26.693	225	13130229	10.29	PPBv		100

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

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01632.D Vial: 17
Acq On : 1 May 2008 2:21 pm Operator: krl
Sample : 5.0ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:28:17 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M



Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01633.D Vial: 17
Acq On : 1 May 2008 3:14 pm Operator: krl
Sample : 10ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:25:39 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.389	128	802064	10.00	PPBv		0.01
33) 1,4-DIFLUOROBENZENE	12.600	114	4431938	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	18.173	82	2685533	10.00	PPBv		0.01
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.400	95	2567952	7.19	PPBv		0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 71.90%#				
Target Compounds							Qvalue
2) PROPENE	5.258	42	3632760m	10.03	PPBv		
3) DICHLORODIFLUOROMETHANE	5.342	85	10458492	6.28	PPBv		100
4) CHLOROMETHANE	5.530	50	5553298	8.63	PPBv		100
5) FREON 114	5.640	85	14567823	9.38	PPBv		92
6) VINYL CHLORIDE	5.780	62	5523368	8.85	PPBv		98
7) 1,3-BUTADIENE	5.933	54	4879630	10.40	PPBv		98
8) BROMOMETHANE	6.236	94	4373158	9.60	PPBv		99
9) CHLOROETHANE	6.421	64	2708264	9.89	PPBv		96
10) ACETONE	7.040	58	3000948	10.26	PPBv		80
11) TRICHLOROFLUOROMETHANE	7.243	101	21184057	11.19	PPBv		100
12) ETHANOL	6.515	45	2355105	11.59	PPBv	#	97
13) ACRYLONITRILE	7.526	53	5114287	12.93	PPBv		99
14) 1,1-DICHLOROETHENE	7.919	96	5274737	11.09	PPBv		96
15) METHYLENE CHLORIDE	8.037	84	4249737	9.91	PPBv		85
16) FREON 113	8.316	101	11054234	9.20	PPBv		95
17) CARBON DISULFIDE	8.395	76	13129669	10.31	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	9.054	96	4850855	9.38	PPBv		97
19) 1,1-DICHLOROETHANE	9.275	63	9713993	8.30	PPBv		99
20) MTBE	9.330	73	12682246	9.32	PPBv		94
21) IPA	7.292	45	10979695	13.15	PPBv	#	90
22) 2-BUTANONE(MEK)	9.688	57	1049752	9.58	PPBv		97
23) CIS-1,2-DICHLOROETHENE	10.195	96	5165700	10.01	PPBv		97
24) HEXANE	10.423	57	10108279	10.66	PPBv		97
25) ETHYL ACETATE	10.412	61	2057651	10.12	PPBv		95
26) CHLOROFORM	10.526	83	10635371	8.00	PPBv		100
27) TETRAHYDROFURAN	10.985	71	2414766	11.11	PPBv		98
28) 1,2-DICHLOROETHANE	11.371	62	7377800	7.80	PPBv		99
29) 1,1,1-TRICHLOROETHANE	11.672	97	10988459	8.73	PPBv		99
30) BENZENE	12.211	78	16102157	8.97	PPBv		100
31) CARBON TETRACHLORIDE	12.389	119	11751374	9.25	PPBv		100
32) CYCLOHEXANE	12.542	56	10223854m	10.81	PPBv		
34) 1,2-DICHLOROPROPANE	13.178	63	6521063	9.60	PPBv		99
35) BROMODICHLOROMETHANE	13.410	83	12186443	9.49	PPBv		99
36) TRICHLOROETHENE	13.462	95	7562167	11.11	PPBv		88
37) 1,4-DIOXANE	13.449	88	2853499m	12.84	PPBv		

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050108\C01633.D Vial: 17
Acq On : 1 May 2008 3:14 pm Operator: krl
Sample : 10ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:25:39 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

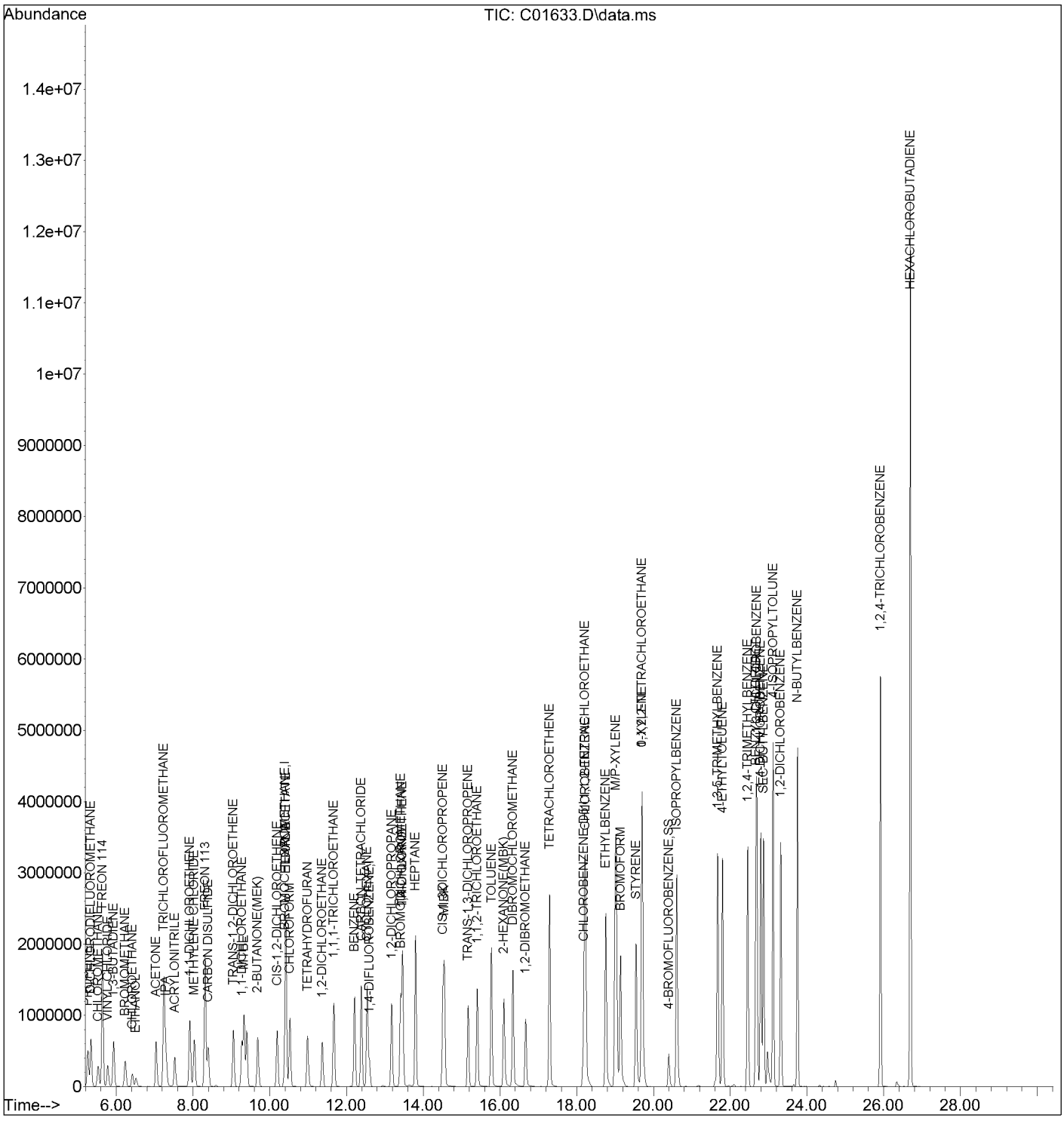
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
38) HEPTANE	13.801	57	6682084	10.95 PPBv		92
39) MIBK	14.552	43	18421820	11.22 PPBv		99
40) CIS-1,3DICHLOROPROPENE	14.513	75	10062259	10.69 PPBv		94
41) TRANS-1,3-DICHLOROPROPENE	15.170	75	9039413	10.54 PPBv		94
42) 1,1,2-TRICHLOROETHANE	15.408	83	5774630	9.23 PPBv		93
43) TOLUENE	15.778	91	22509424	11.62 PPBv		100
44) 2-HEXANONE(MBK)	16.103	58	7792741	12.06 PPBv		97
45) DIBROMOCHLOROMETHANE	16.339	129	13501472	11.76 PPBv		100
46) 1,2-DIBROMOETHANE	16.672	107	10783696	10.34 PPBv		99
47) TETRACHLOROETHENE	17.295	166	13479979	16.54 PPBv	#	86
49) 1,1,1,2-TETRACHLOROETHANE	18.207	135	3149029	9.37 PPBv		95
50) CHLOROBENZENE	18.233	112	18842230	8.85 PPBv		90
51) ETHYLBENZENE	18.759	91	30549092	9.68 PPBv		99
52) M/P-XYLENE	19.022	106	24541061	19.11 PPBv		97
53) BROMOFORM	19.144	173	17842426	13.62 PPBv		98
54) STYRENE	19.548	104	17501434	10.07 PPBv		95
55) 0-XYLENE	19.711	106	11867024	9.60 PPBv		100
56) 1,1,2,2-TETRACHLOROETHANE	19.696	83	16842176	7.98 PPBv		99
58) ISOPROPYLBENZENE	20.608	105	34686633	9.22 PPBv		99
59) 1,3,5-TRIMETHYLBENZENE	21.674	105	36333605	10.09 PPBv		99
60) 4-ETHYLTOLUENE	21.797	105	29344306m	9.48 PPBv		
61) 1,2,4-TRIMETHYLBENZENE	22.456	105	29681281	10.03 PPBv		99
62) 1,3-DICHLOROBENZENE	22.694	146	23709100	10.81 PPBv		95
63) BENZYL CHLORIDE	22.668	91	23063314	9.97 PPBv		96
64) 1,4-DICHLOROBENZENE	22.798	146	23117949	10.65 PPBv		95
65) SEC-BUTYLBENZENE	22.870	105	35958949	9.07 PPBv		98
66) 4-ISOPROPYLTOLUNE	23.117	119	38378252	9.77 PPBv		98
67) 1,2-DICHLOROBENZENE	23.320	146	21639490	10.28 PPBv		95
68) N-BUTYLBENZENE	23.754	91	35608365	9.53 PPBv		98
69) 1,2,4-TRICHLOROBENZENE	25.918	180	28946009	18.25 PPBv	#	95
70) HEXACHLOROBUTADIENE	26.697	225	46623790	29.26 PPBv		100

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

Quantitation Report (QT Reviewed)

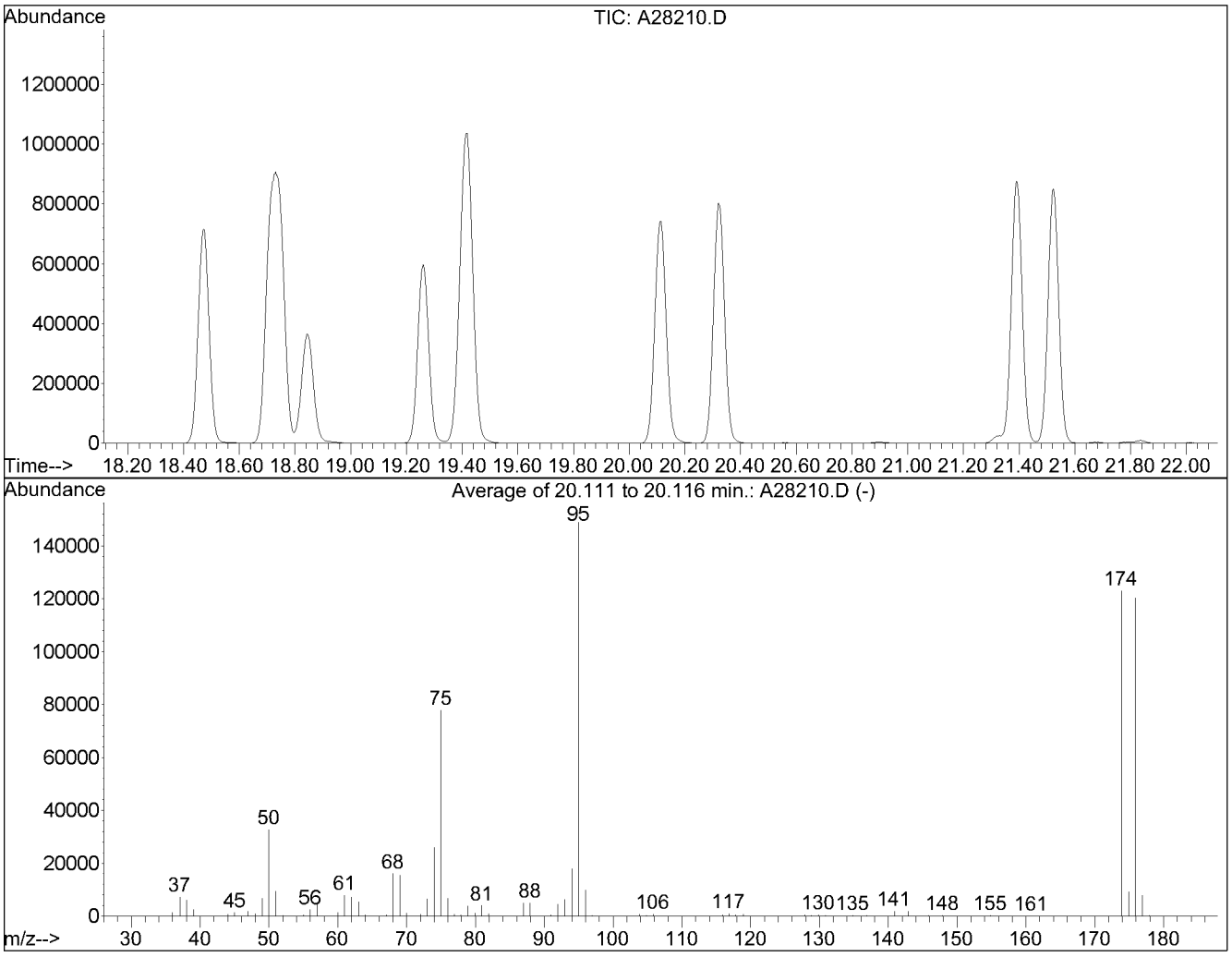
Data File : G:\May2008\Air4\050108\C01633.D Vial: 17
Acq On : 1 May 2008 3:14 pm Operator: krl
Sample : 10ppbv to-15 low cal Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 08:25:39 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Thu May 01 11:36:50 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M



BFB

Data File : G:\APR2008\AIR1\042908\A28210.D Vial: 17
Acq On : 29 Apr 2008 7:52 am Operator: WB
Sample : 10ppbv to-15ccc Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :



Spectrum Information: Average of 20.111 to 20.116 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.9	32720	PASS
75	95	30	60	52.2	77888	PASS
95	95	100	100	100.0	149077	PASS
96	95	5	9	6.6	9848	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.5	123037	PASS
175	174	5	9	7.5	9210	PASS
176	174	95	101	97.9	120453	PASS
177	176	5	9	6.5	7862	PASS

A28210.D T1040408.M Wed May 07 11:17:27 2008

Evaluate Continuing Calibration Report

Data File : G:\APR2008\AIR1\042908\A28210.D Vial: 17
Acq On : 29 Apr 2008 7:52 am Operator: WB
Sample : 10ppbv to-15ccc Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	107	-0.01
2		PROPENE	0.924	0.900	2.6	121	0.00
3		DICHLORODIFLUOROMETHANE	3.693	3.798	-2.8	122	0.00
4		CHLOROMETHANE	1.371	1.269	7.4	112	0.00
5		FREON 114	3.139	3.221	-2.6	121	0.00
6		VINYL CHLORIDE	1.262	1.184	6.2	113	0.00
7		1,3-BUTADIENE	0.968	0.895	7.5	111	0.00
8		BROMOMETHANE	0.924	0.865	6.4	115	0.00
9		CHLOROETHANE	0.575	0.522	9.2	114	0.00
10		ACETONE	0.534	0.454	15.0	106	0.00
11		TRICHLOROFLUOROMETHANE	3.356	3.367	-0.3	121	-0.01
12		ETHANOL	0.384	0.312	18.8	100	0.00
13		ACRYLONITRILE	1.207	1.123	7.0	0#	0.00
14		1,1-DICHLOROETHENE	1.235	1.215	1.6	117	-0.01
15		METHYLENE CHLORIDE	1.168	1.160	0.7	121	-0.01
16		FREON 113	2.699	2.792	-3.4	122	-0.01
17		CARBON DISULFIDE	3.726	3.661	1.7	119	-0.01
18		TRANS-1,2-DICHLOROETHENE	1.291	1.279	0.9	118	-0.01
19		1,1-DICHLOROETHANE	2.642	2.578	2.4	116	-0.01
20		MTBE	3.856	3.475	9.9	107	-0.01
21		IPA	2.278	1.931	15.2	106	0.00
22		2-BUTANONE(MEK)	0.260	0.247	5.0	114	-0.01
23		CIS-1,2-DICHLOROETHENE	1.355	1.340	1.1	119	-0.01
24		HEXANE	2.354	2.252	4.3	112	-0.01
25		ETHYL ACETATE	0.464	0.445	4.1	110	-0.01
26		CHLOROFORM	2.998	2.977	0.7	120	-0.01
27		TETRAHYDROFURAN	0.618	0.576	6.8	111	-0.01
28		1,2-DICHLOROETHANE	2.185	2.143	1.9	119	-0.01
29		1,1,1-TRICHLOROETHANE	2.999	2.889	3.7	116	-0.01
30		BENZENE	4.241	4.088	3.6	115	-0.01
31		CARBON TETRACHLORIDE	2.837	2.589	8.7	109	-0.01
32		CYCLOHEXANE	2.537	2.422	4.5	114	-0.02
33	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	104	-0.01
34		1,2-DICHLOROPROPANE	0.299	0.301	-0.7	113	-0.01
35		BROMODICHLOROMETHANE	0.550	0.580	-5.5	117	-0.01
36		1,4-DIOXANE	0.156	0.152	2.6	104	-0.01
37		TRICHLOROETHENE	0.334	0.350	-4.8	116	-0.01
38		HEPTANE	0.280	0.282	-0.7	111	-0.01
39		MIBK	0.636	0.679	-6.8	115	-0.01
40		CIS-1,3DICHLOROPROPENE	0.457	0.456	0.2	111	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : G:\APR2008\AIR1\042908\A28210.D Vial: 17
Acq On : 29 Apr 2008 7:52 am Operator: WB
Sample : 10ppbv to-15ccc Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		TRANS-1,3-DICHLOROPROPENE	0.426	0.419	1.6	111	-0.01
42		1,1,2-TRICHLOROETHANE	0.261	0.275	-5.4	119	-0.01
43		TOLUENE	0.931	0.946	-1.6	115	-0.01
44		2-HEXANONE(MBK)	0.312	0.324	-3.8	112	-0.01
45		DIBROMOCHLOROMETHANE	0.498	0.515	-3.4	114	-0.01
46		1,2-DIBROMOETHANE	0.478	0.505	-5.6	118	-0.01
47		TETRACHLOROETHENE	0.458	0.473	-3.3	116	-0.01
48	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	-0.01
49		1,1,1,2-TETRACHLOROETHANE	0.225	0.217	3.6	0#	0.00
50		CHLOROBENZENE	1.408	1.397	0.8	112	-0.01
51		ETHYLBENZENE	2.443	2.461	-0.7	115	-0.01
52		M/P-XYLENE	0.944	0.950	-0.6	113	0.00
53		BROMOFORM	0.958	0.948	1.0	114	-0.01
54		STYRENE	1.427	1.439	-0.8	115	-0.01
55		O-XYLENE	0.894	0.900	-0.7	114	-0.01
56		1,1,2,2-TETRACHLOROETHANE	1.165	1.282	-10.0	126	-0.01
57	SS	4-BROMOFLUOROBENZENE	1.286	1.281	0.4	105	-0.01
58		ISOPROPYLBENZENE	2.667	2.673	-0.2	0#	0.00
59		1,3,5-TRIMETHYLBENZENE	2.799	2.888	-3.2	118	0.00
60		4-ETHYLTOLUENE	2.333	2.389	-2.4	118	0.00
61		1,2,4-TRIMETHYLBENZENE	2.287	2.367	-3.5	119	0.00
62		1,3-DICHLOROBENZENE	1.347	1.449	-7.6	123	0.00
63		BENZYL CHLORIDE	1.658	1.476	11.0	103	0.00
64		1,4-DICHLOROBENZENE	1.420	1.503	-5.8	122	0.00
65		SEC-BUTYLBENZENE	2.687	2.654	1.2	0#	-0.01
66		4-ISOPROPYLTOLUENE	2.540	2.569	-1.1	0#	0.00
67		1,2-DICHLOROBENZENE	1.330	1.430	-7.5	126	0.00
68		BUTYLBENZENE	2.196	2.296	-4.6	0#	0.00
69		1,2,4-TRICHLOROBENZENE	1.059	1.315	-24.2	153#	0.00
70		HEXACHLOROBUTADIENE	1.165	1.410	-21.0	142	0.00

Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28210.D Vial: 17
Acq On : 29 Apr 2008 7:52 am Operator: WB
Sample : 10ppbv to-15ccc Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 29 8:24 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.10	128	1260030	10.00	PPBv		-0.01
33) 1,4-DIFLUOROBENZENE	12.31	114	6534647	10.00	PPBv		-0.01
48) CHLOROBENZENE-D5	17.88	82	3365845	10.00	PPBv		-0.01
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.11	95	4310091	9.96	PPBv		-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.60%				
Target Compounds							Qvalue
2) PROPENE	5.04	42	1134498	9.74	PPBv		99
3) DICHLORODIFLUOROMETHANE	5.12	85	4785207	10.28	PPBv		100
4) CHLOROMETHANE	5.30	50	1598877	9.26	PPBv		97
5) FREON 114	5.41	85	4058260	10.26	PPBv		99
6) VINYL CHLORIDE	5.55	62	1492185	9.38	PPBv		100
7) 1,3-BUTADIENE	5.70	54	1127393	9.24	PPBv		96
8) BROMOMETHANE	5.99	94	1089494	9.36	PPBv		98
9) CHLOROETHANE	6.17	64	657468	9.08	PPBv		99
10) ACETONE	6.78	58	571775	8.49	PPBv		84
11) TRICHLOROFLUOROMETHANE	6.98	101	4242006	10.03	PPBv		100
12) ETHANOL	6.27	45	393698	8.14	PPBv		96
13) ACRYLONITRILE	7.26	53	1415197	9.31	PPBv	#	100
14) 1,1-DICHLOROETHENE	7.65	96	1530400	9.84	PPBv		98
15) METHYLENE CHLORIDE	7.77	84	1461765	9.93	PPBv		99
16) FREON 113	8.05	101	3517652	10.35	PPBv		100
17) CARBON DISULFIDE	8.12	76	4613422	9.83	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	8.78	96	1612019	9.91	PPBv		96
19) 1,1-DICHLOROETHANE	8.99	63	3248280	9.76	PPBv		100
20) MTBE	9.04	73	4378811	9.01	PPBv		100
21) IPA	7.02	45	2433589	8.48	PPBv		93
22) 2-BUTANONE(MEK)	9.40	57	311799	9.51	PPBv		94
23) CIS-1,2-DICHLOROETHENE	9.91	96	1687877	9.89	PPBv		97
24) HEXANE	10.14	57	2837961	9.57	PPBv		100
25) ETHYL ACETATE	10.12	61	560580	9.59	PPBv		99
26) CHLOROFORM	10.24	83	3750598	9.93	PPBv		100
27) TETRAHYDROFURAN	10.69	71	725538	9.32	PPBv		99
28) 1,2-DICHLOROETHANE	11.08	62	2700800	9.81	PPBv		100
29) 1,1,1-TRICHLOROETHANE	11.38	97	3640532	9.64	PPBv		100
30) BENZENE	11.92	78	5151628	9.64	PPBv		100
31) CARBON TETRACHLORIDE	12.10	119	3261947	9.13	PPBv		100
32) CYCLOHEXANE	12.25	56	3052281m	9.55	PPBv		
34) 1,2-DICHLOROPROPANE	12.89	63	1969886	10.09	PPBv		100
35) BROMODICHLOROMETHANE	13.12	83	3792130	10.55	PPBv		100

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

Data File : G:\APR2008\AIR1\042908\A28210.D Vial: 17
Acq On : 29 Apr 2008 7:52 am Operator: WB
Sample : 10ppbv to-15ccc Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 29 8:24 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

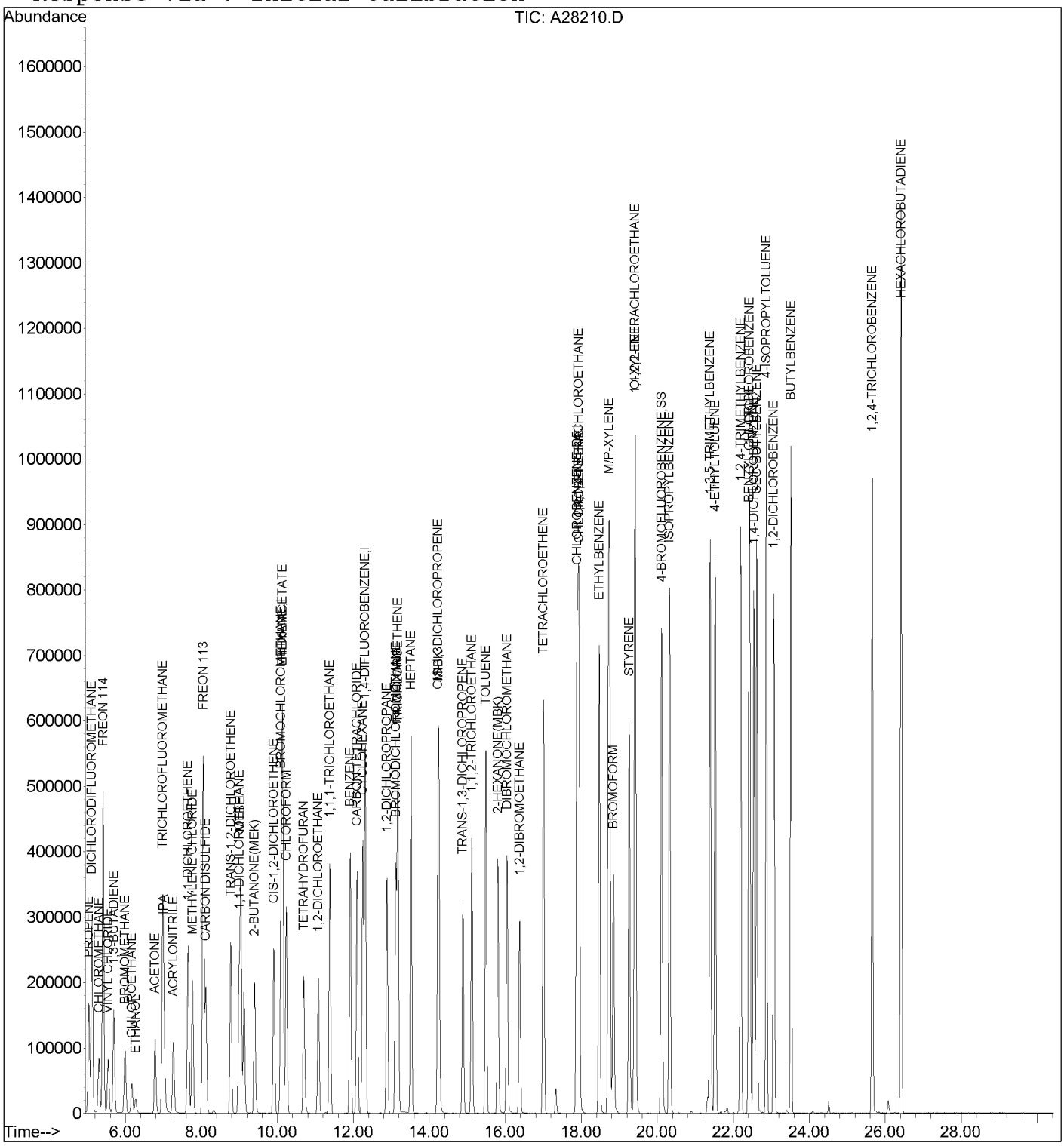
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	1,4-DIOXANE	13.16	88	992978	9.72	PPBv	#	98
37)	TRICHLOROETHENE	13.17	95	2283872	10.48	PPBv		100
38)	HEPTANE	13.52	57	1845370	10.07	PPBv		100
39)	MIBK	14.25	43	4435641	10.67	PPBv		99
40)	CIS-1,3DICHLOROPROPENE	14.23	75	2977541	9.97	PPBv		99
41)	TRANS-1,3-DICHLOROPROPENE	14.88	75	2738513	9.84	PPBv		99
42)	1,1,2-TRICHLOROETHANE	15.12	83	1798514	10.53	PPBv		99
43)	TOLUENE	15.49	91	6179909	10.16	PPBv		100
44)	2-HEXANONE(MBK)	15.80	58	2117789	10.38	PPBv		96
45)	DIBROMOCHLOROMETHANE	16.05	129	3362469	10.34	PPBv		100
46)	1,2-DIBROMOETHANE	16.38	107	3297817	10.56	PPBv		100
47)	TETRACHLOROETHENE	17.01	166	3094073	10.35	PPBv		99
49)	1,1,1,2-TETRACHLOROETHANE	17.92	135	729865	9.66	PPBv	#	100
50)	CHLOROBENZENE	17.94	112	4703527	9.93	PPBv		99
51)	ETHYLBENZENE	18.47	91	8281793	10.07	PPBv		99
52)	M/P-XYLENE	18.73	106	6396239	20.12	PPBv		98
53)	BROMOFORM	18.85	173	3189566	9.89	PPBv		100
54)	STYRENE	19.26	104	4844610	10.08	PPBv		99
55)	O-XYLENE	19.42	106	3029915	10.07	PPBv		98
56)	1,1,2,2-TETRACHLOROETHANE	19.40	83	4316288	11.01	PPBv		100
58)	ISOPROPYLBENZENE	20.32	105	8997677	10.02	PPBv	#	100
59)	1,3,5-TRIMETHYLBENZENE	21.39	105	9722048	10.32	PPBv		100
60)	4-ETHYLTOLUENE	21.52	105	8042437m	10.24	PPBv		
61)	1,2,4-TRIMETHYLBENZENE	22.19	105	7966903	10.35	PPBv		100
62)	1,3-DICHLOROBENZENE	22.43	146	4876662	10.75	PPBv		99
63)	BENZYL CHLORIDE	22.41	91	4967253	8.90	PPBv		100
64)	1,4-DICHLOROBENZENE	22.54	146	5058195	10.59	PPBv		98
65)	SEC-BUTYLBENZENE	22.62	105	8932634	9.88	PPBv	#	100
66)	4-ISOPROPYLTOLUENE	22.87	119	8647894	10.11	PPBv	#	100
67)	1,2-DICHLOROBENZENE	23.07	146	4812512	10.75	PPBv		99
68)	BUTYLBENZENE	23.52	91	7727041	10.46	PPBv		98
69)	1,2,4-TRICHLOROBENZENE	25.66	180	4425562	12.42	PPBv		100
70)	HEXACHLOROBUTADIENE	26.42	225	4745940	12.11	PPBv	#	100

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

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28210.D Vial: 17
Acq On : 29 Apr 2008 7:52 am Operator: WB
Sample : 10ppbv to-15ccc Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 29 8:24 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28211.D Vial: 18
Acq On : 29 Apr 2008 8:40 am Operator: WB
Sample : 10ppbv to-15 qc Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 29 9:13 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.10	128	1280998	10.00	PPBv		0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	6623779	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	17.89	82	3451828	10.00	PPBv		0.00
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.12	95	4425383	9.97	PPBv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.70%				
Target Compounds							Qvalue
2) PROPENE	5.05	42	1059345	8.95	PPBv		98
3) DICHLORODIFLUOROMETHANE	5.13	85	4793703	10.13	PPBv		99
4) CHLOROMETHANE	5.31	50	1575939	8.98	PPBv		96
5) FREON 114	5.42	85	3563193	8.86	PPBv		99
6) VINYL CHLORIDE	5.56	62	1567636	9.70	PPBv		100
7) 1,3-BUTADIENE	5.70	54	1217492	9.82	PPBv		96
8) BROMOMETHANE	6.00	94	1292130	10.92	PPBv		98
9) CHLOROETHANE	6.18	64	771869	10.48	PPBv		91
10) ACETONE	6.79	58	508551	7.43	PPBv		90
11) TRICHLOROFLUOROMETHANE	6.99	101	4531965	10.54	PPBv		99
12) ETHANOL	6.28	45	257789	5.25	PPBv		97
13) ACRYLONITRILE	7.27	53	1262574	8.17	PPBv	#	100
14) 1,1-DICHLOROETHENE	7.66	96	1324076	8.37	PPBv		98
15) METHYLENE CHLORIDE	7.77	84	1452386	9.71	PPBv		98
16) FREON 113	8.06	101	3058235	8.85	PPBv		100
17) CARBON DISULFIDE	8.13	76	4691355	9.83	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	8.78	96	1355735	8.20	PPBv		96
19) 1,1-DICHLOROETHANE	9.00	63	2840206	8.39	PPBv		99
20) MTBE	9.05	73	4418912	8.94	PPBv		100
21) IPA	7.02	45	2071593m	7.10	PPBv		
22) 2-BUTANONE(MEK)	9.41	57	290699	8.72	PPBv		99
23) CIS-1,2-DICHLOROETHENE	9.92	96	1546914	8.91	PPBv		96
24) HEXANE	10.15	57	2859468	9.48	PPBv		99
25) ETHYL ACETATE	10.13	61	566867	9.54	PPBv		98
26) CHLOROFORM	10.25	83	3719968	9.69	PPBv		100
27) TETRAHYDROFURAN	10.71	71	593073	7.49	PPBv		99
28) 1,2-DICHLOROETHANE	11.09	62	2588525	9.25	PPBv		100
29) 1,1,1-TRICHLOROETHANE	11.39	97	3435330	8.94	PPBv		100
30) BENZENE	11.93	78	5041114	9.28	PPBv		100
31) CARBON TETRACHLORIDE	12.11	119	3312825	9.12	PPBv		100
32) CYCLOHEXANE	12.26	56	3123843m	9.61	PPBv		
34) 1,2-DICHLOROPROPANE	12.89	63	1974672	9.97	PPBv		99
35) BROMODICHLOROMETHANE	13.12	83	3836799	10.53	PPBv		100

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

Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28211.D Vial: 18
Acq On : 29 Apr 2008 8:40 am Operator: WB
Sample : 10ppbv to-15 qc Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 29 9:13 2008 Quant Results File: T1040408.RES

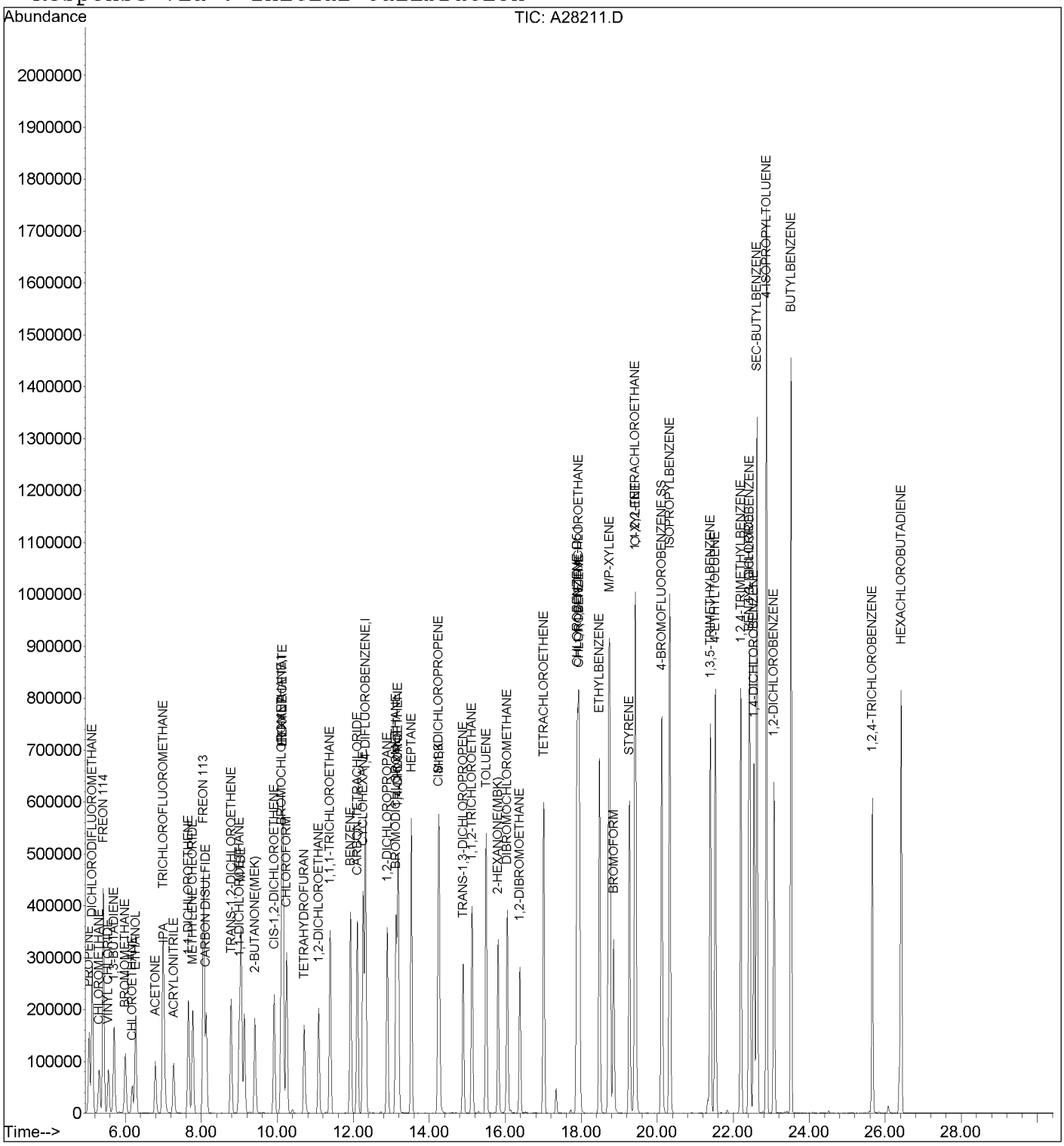
Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	1,4-DIOXANE	13.17	88	867735	8.38	PPBv	#	99
37)	TRICHLOROETHENE	13.18	95	2173378	9.83	PPBv		100
38)	HEPTANE	13.53	57	1829038	9.85	PPBv		99
39)	MIBK	14.26	43	4366628	10.36	PPBv		99
40)	CIS-1,3DICHLOROPROPENE	14.23	75	2873844	9.49	PPBv		99
41)	TRANS-1,3-DICHLOROPROPENE	14.89	75	2431281	8.62	PPBv		99
42)	1,1,2-TRICHLOROETHANE	15.13	83	1698644	9.81	PPBv		99
43)	TOLUENE	15.50	91	5983085	9.70	PPBv		99
44)	2-HEXANONE(MBK)	15.81	58	1796889	8.69	PPBv		96
45)	DIBROMOCHLOROMETHANE	16.05	129	3333546	10.11	PPBv		100
46)	1,2-DIBROMOETHANE	16.38	107	3127422	9.88	PPBv		100
47)	TETRACHLOROETHENE	17.01	166	2946983	9.72	PPBv		99
49)	1,1,1,2-TETRACHLOROETHANE	17.92	135	700837	9.04	PPBv	#	100
50)	CHLOROBENZENE	17.95	112	4560645	9.39	PPBv		99
51)	ETHYLBENZENE	18.48	91	7946691	9.42	PPBv		100
52)	M/P-XYLENE	18.74	106	6497704	19.93	PPBv		98
53)	BROMOFORM	18.85	173	2900935	8.77	PPBv		100
54)	STYRENE	19.27	104	4881126	9.91	PPBv		99
55)	O-XYLENE	19.43	106	3054637	9.90	PPBv		98
56)	1,1,2,2-TETRACHLOROETHANE	19.41	83	3962574	9.85	PPBv		99
58)	ISOPROPYLBENZENE	20.33	105	11112215	12.07	PPBv	#	100
59)	1,3,5-TRIMETHYLBENZENE	21.40	105	8313860	8.61	PPBv		99
60)	4-ETHYLTOLUENE	21.53	105	7700600m	9.56	PPBv		
61)	1,2,4-TRIMETHYLBENZENE	22.20	105	7270698	9.21	PPBv		100
62)	1,3-DICHLOROBENZENE	22.44	146	4203182	9.04	PPBv		99
63)	BENZYL CHLORIDE	22.41	91	5671445	9.91	PPBv		100
64)	1,4-DICHLOROBENZENE	22.54	146	4232609	8.64	PPBv		99
65)	SEC-BUTYLBENZENE	22.62	105	13788531	14.87	PPBv	#	100
66)	4-ISOPROPYLTOLUENE	22.88	119	14297450	16.31	PPBv	#	99
67)	1,2-DICHLOROBENZENE	23.07	146	3866672	8.42	PPBv		99
68)	BUTYLBENZENE	23.52	91	11124181	14.68	PPBv		98
69)	1,2,4-TRICHLOROBENZENE	25.66	180	2711939	7.42	PPBv		100
70)	HEXACHLOROBUTADIENE	26.42	225	3119104	7.76	PPBv	#	100

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

Data File : G:\APR2008\AIR1\042908\A28211.D Vial: 18
Acq On : 29 Apr 2008 8:40 am Operator: WB
Sample : 10ppbv to-15 qc Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 29 9:13 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28212.D Vial: 1
Acq On : 29 Apr 2008 10:24 am Operator: WB
Sample : mb Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 29 10:55 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1382146	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7168441	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.89	82	3595022	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.12	95	4519980	9.78	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.80%			

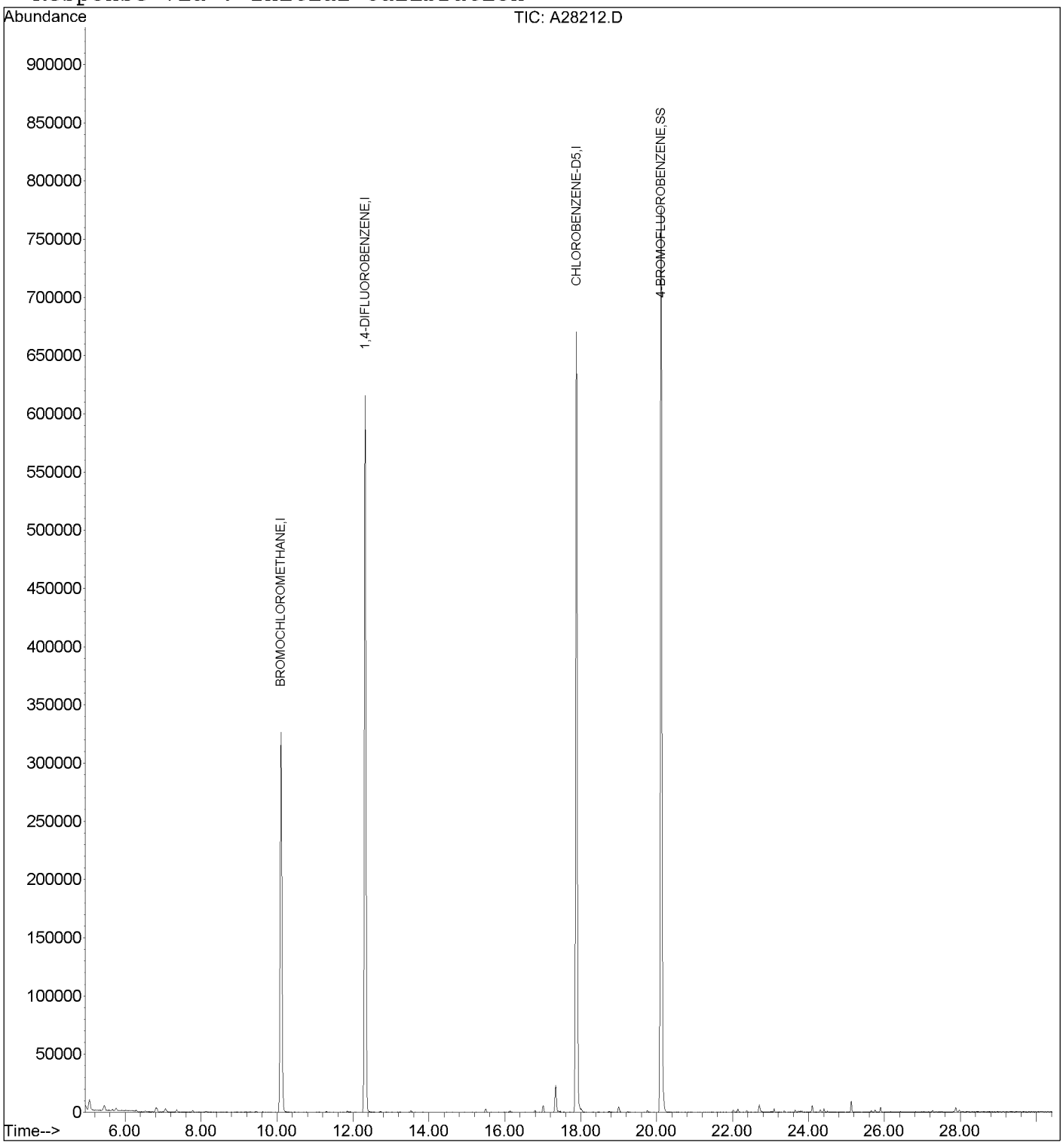
Target Compounds Qvalue

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

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28212.D Vial: 1
Acq On : 29 Apr 2008 10:24 am Operator: WB
Sample : mb Inst : GCMS Air
Misc : 1 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Apr 29 10:55 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28214.D Vial: 1
Acq On : 29 Apr 2008 12:09 pm Operator: WB
Sample : sa77688-02 @ 130173-sv-s5 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:20 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

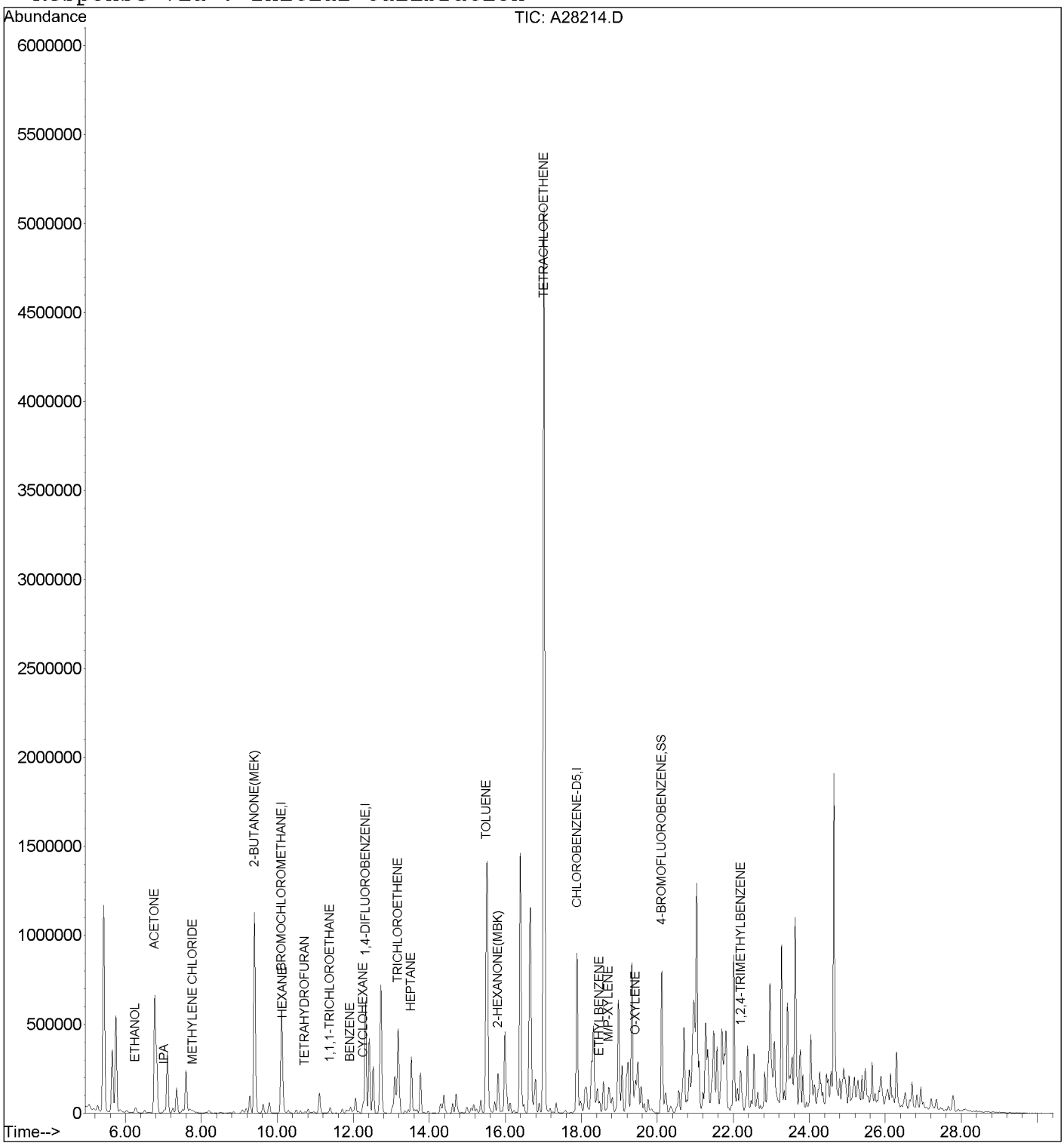
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.10	128	1380961	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7170155	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.89	82	3622326	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.12	95	4637196	9.96	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.60%			
Target Compounds						Qvalue
10) ACETONE	6.77	58	4254619	57.66	PPBv	93
12) ETHANOL	6.27	45	556344	10.50	PPBv	97
15) METHYLENE CHLORIDE	7.77	84	98913	0.61	PPBv	98
21) IPA	7.03	45	360128	1.14	PPBv #	61
22) 2-BUTANONE(MEK)	9.40	57	1752862	48.78	PPBv	96
24) HEXANE	10.15	57	583270	1.79	PPBv #	53
27) TETRAHYDROFURAN	10.72	71	28918m	0.34	PPBv	
29) 1,1,1-TRICHLOROETHANE	11.39	97	283973	0.69	PPBv	100
30) BENZENE	11.93	78	409423	0.70	PPBv	100
32) CYCLOHEXANE	12.25	56	407178m	1.16	PPBv	
37) TRICHLOROETHENE	13.18	95	840064	3.51	PPBv	100
38) HEPTANE	13.53	57	1027764	5.11	PPBv	98
43) TOLUENE	15.50	91	9206398	13.79	PPBv	99
44) 2-HEXANONE(MBK)	15.81	58	1075219	4.80	PPBv	97
47) TETRACHLOROETHENE	17.02	166	26121522	79.62	PPBv	99
51) ETHYLBENZENE	18.48	91	704849	0.80	PPBv	99
52) M/P-XYLENE	18.72	106	871522	2.55	PPBv	97
55) O-XYLENE	19.43	106	240940	0.74	PPBv	91
61) 1,2,4-TRIMETHYLBENZENE	22.20	105	439237	0.53	PPBv	100

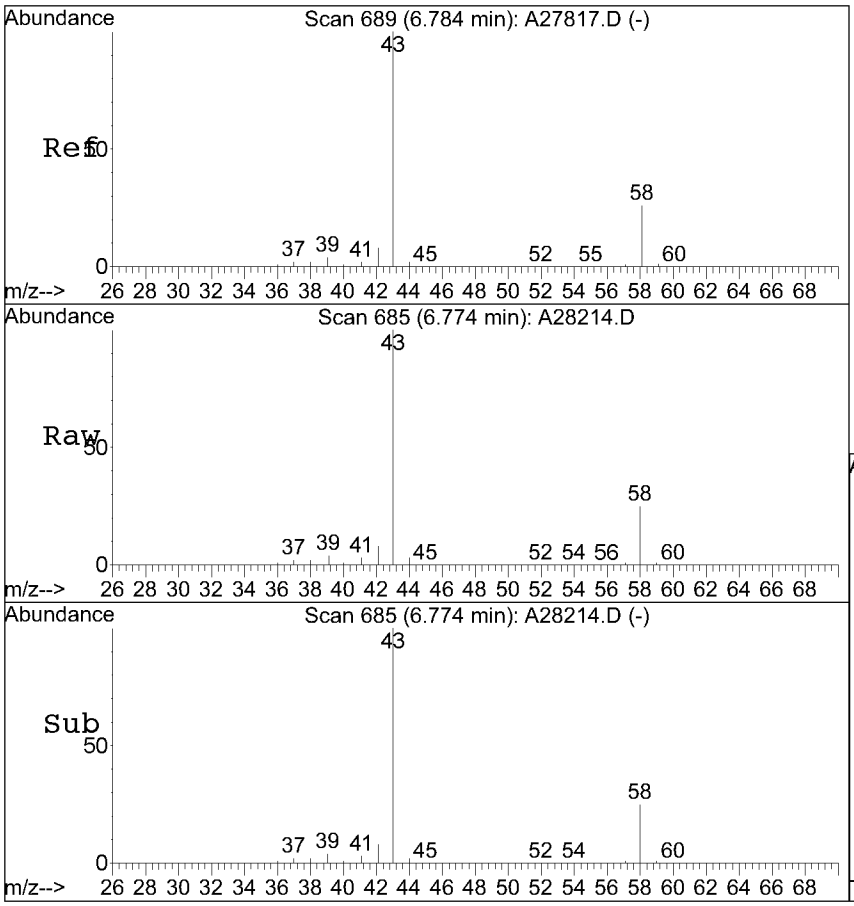
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28214.D Vial: 1
Acq On : 29 Apr 2008 12:09 pm Operator: WB
Sample : sa77688-02 @ 130173-sv-s5 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:20 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

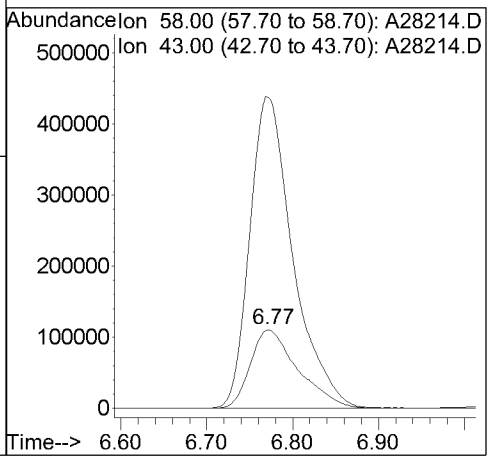


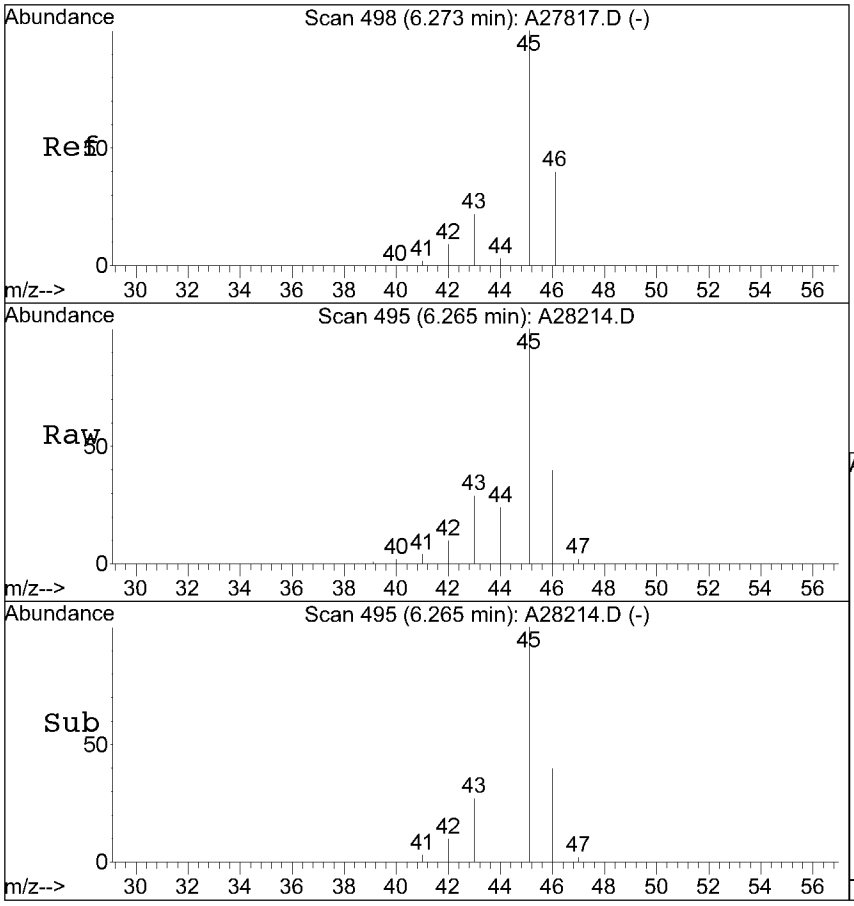


#10
ACETONE
Concen: 57.66 PPBv
RT: 6.77 min Scan# 685
Delta R.T. -0.02 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 58 Resp: 4254619

Ion	Ratio	Lower	Upper
58	100		
43	358.4	300.2	450.4

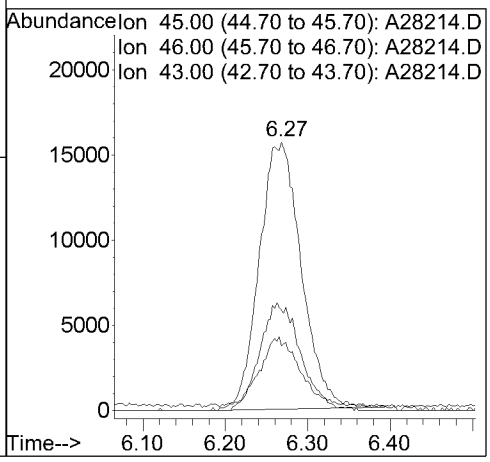


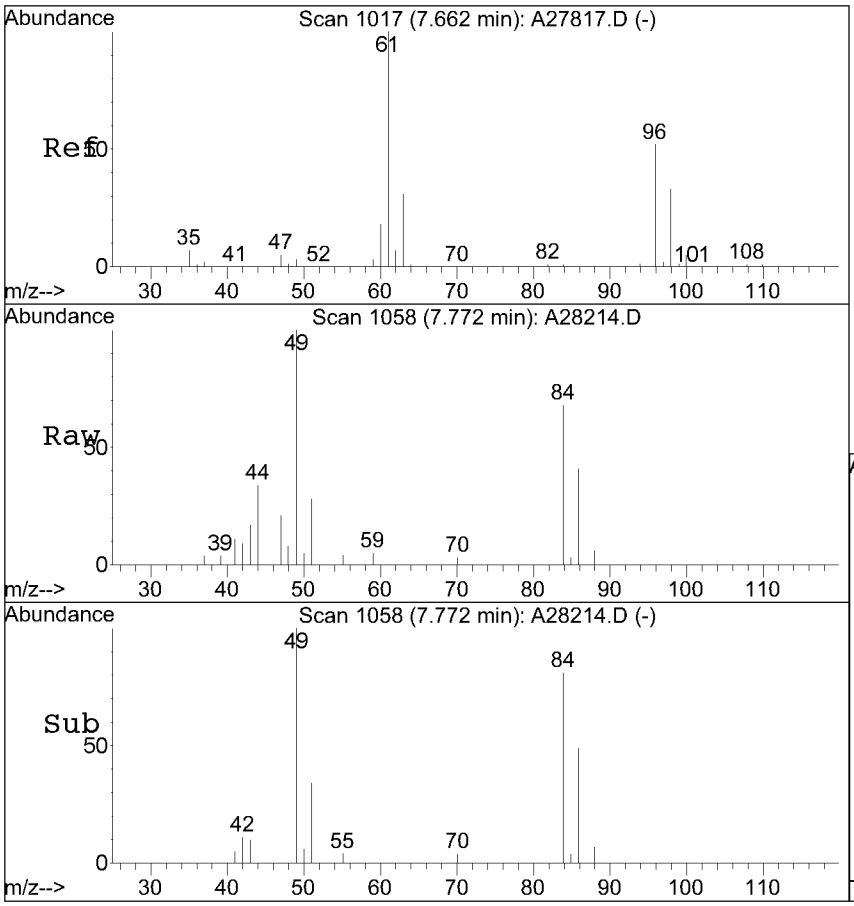


#12
ETHANOL
Concen: 10.50 PPBv
RT: 6.27 min Scan# 495
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 45 Resp: 556344

Ion	Ratio	Lower	Upper
45	100		
46	39.3	30.6	46.0
43	24.4	18.0	27.0

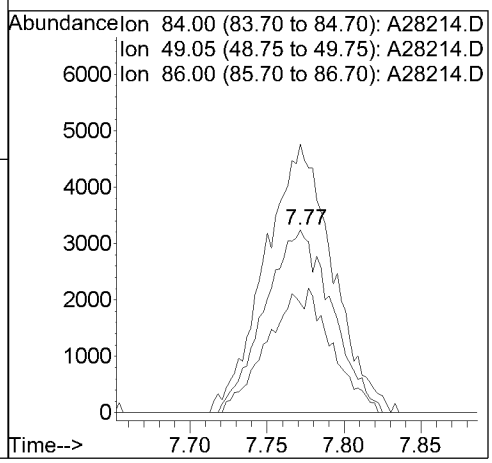


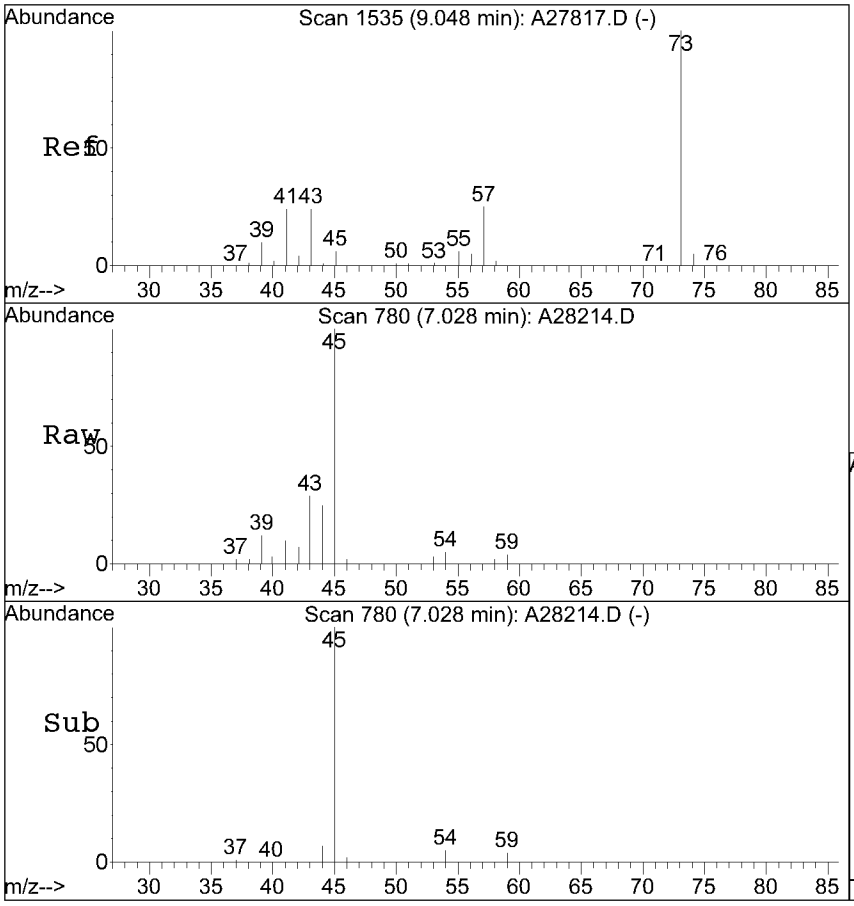


#15
METHYLENE CHLORIDE
Concen: 0.61 PPBv
RT: 7.77 min Scan# 1058
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 84 Resp: 98913

Ion	Ratio	Lower	Upper
84	100		
49	147.5	120.3	180.5
86	64.1	52.6	78.8

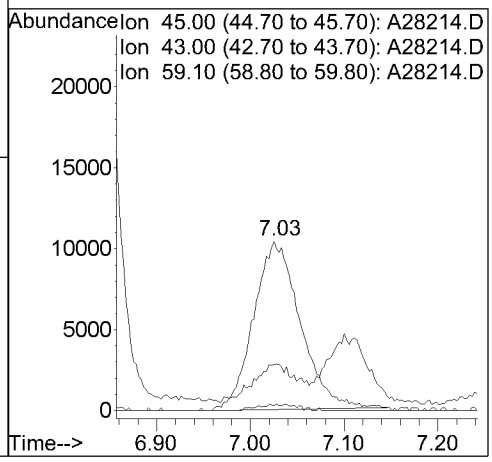


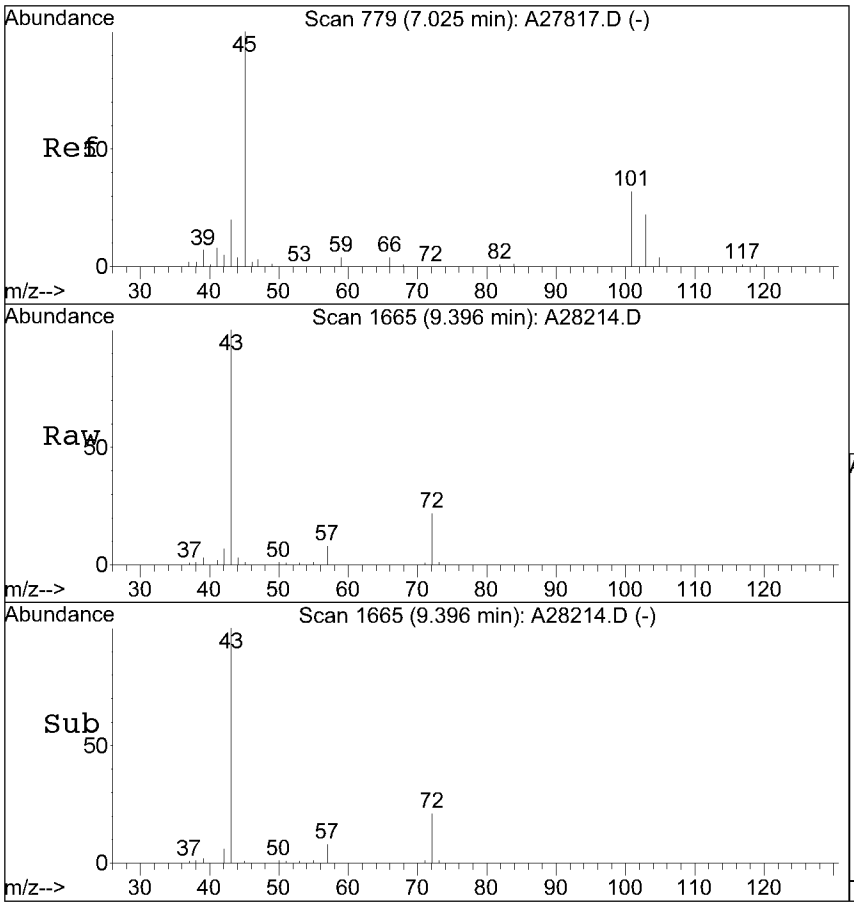


#21
IPA
Concen: 1.14 PPBv
RT: 7.03 min Scan# 780
Delta R.T. 0.00 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 45 Resp: 360128

Ion	Ratio	Lower	Upper
45	100		
43	0.0	16.2	24.2#
59	0.0	3.0	4.4#

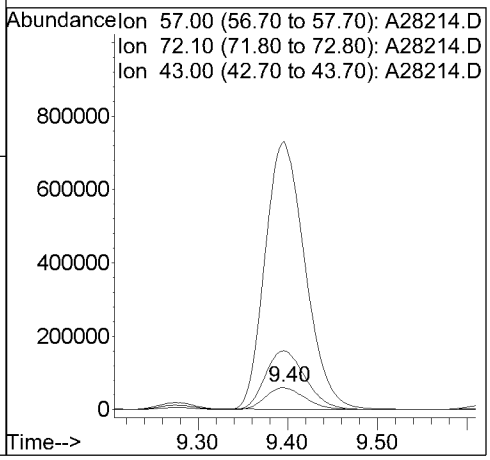


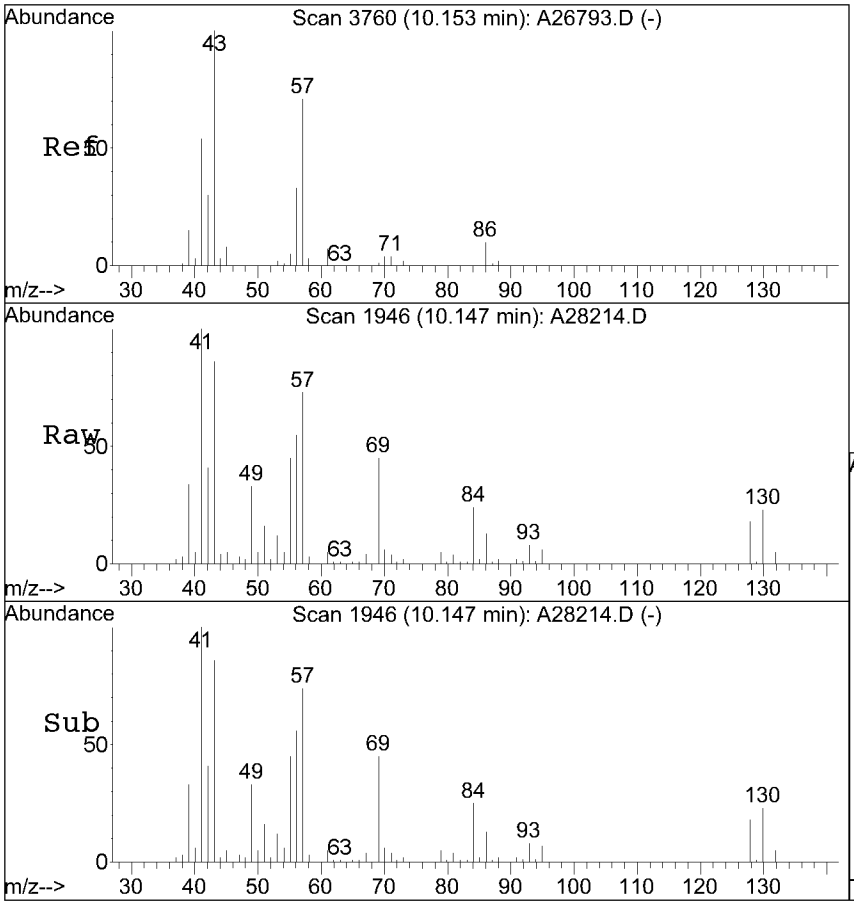


#22
2-BUTANONE(MEK)
Concen: 48.78 PPBv
RT: 9.40 min Scan# 1665
Delta R.T. -0.02 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 57 Resp: 1752862

Ion	Ratio	Lower	Upper
57	100		
72	255.7	222.2	333.4
43	1244.3	987.4	1481.0

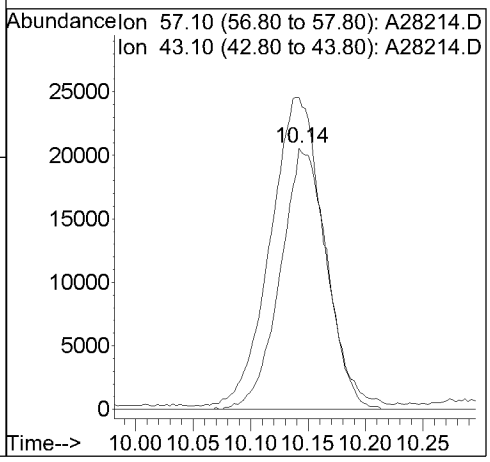


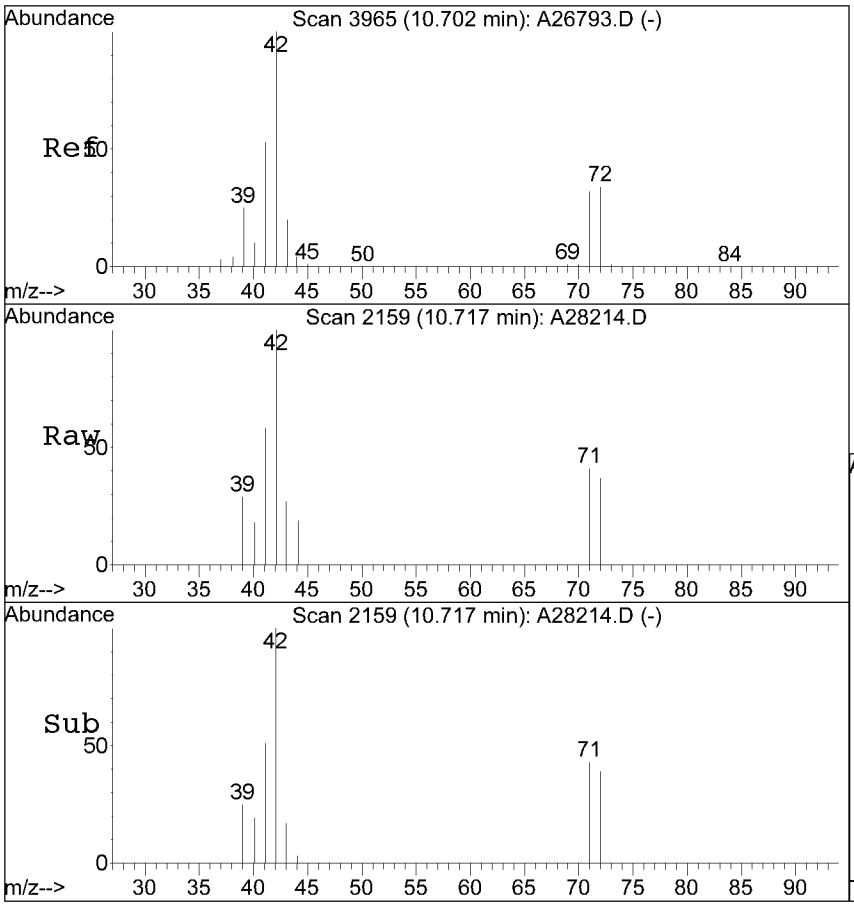


#24
HEXANE
Concen: 1.79 PPBv
RT: 10.15 min Scan# 1946
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 57 Resp: 583270

Ion	Ratio	Lower	Upper
57	100		
43	133.3	163.9	245.9#

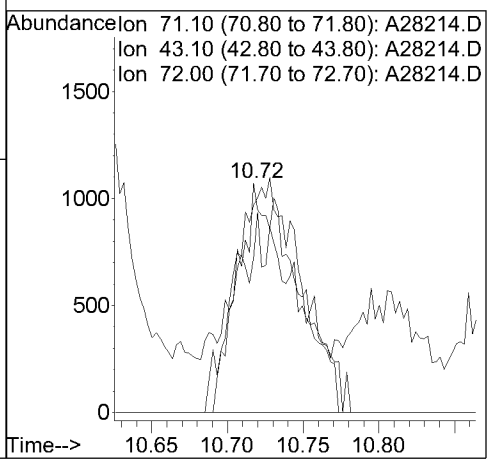


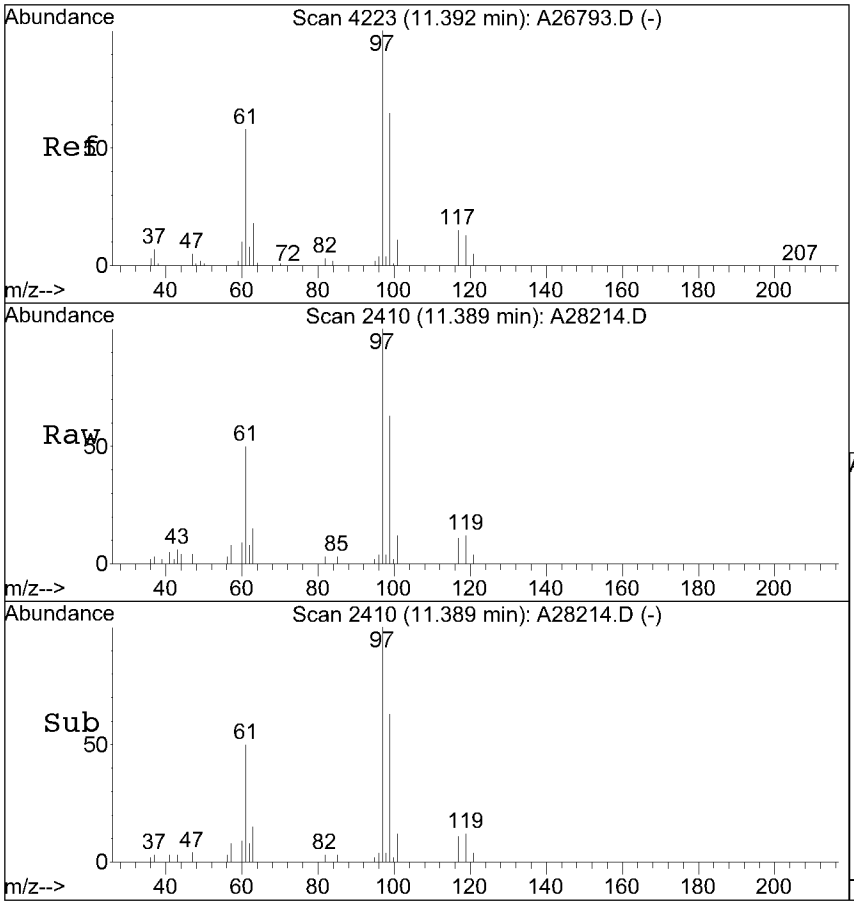


#27
TETRAHYDROFURAN
Concen: 0.34 PPBv m
RT: 10.72 min Scan# 2159
Delta R.T. 0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 71 Resp: 28918

Ion	Ratio	Lower	Upper
71	100		
43	0.0	51.8	77.6#
72	0.0	85.9	128.9#

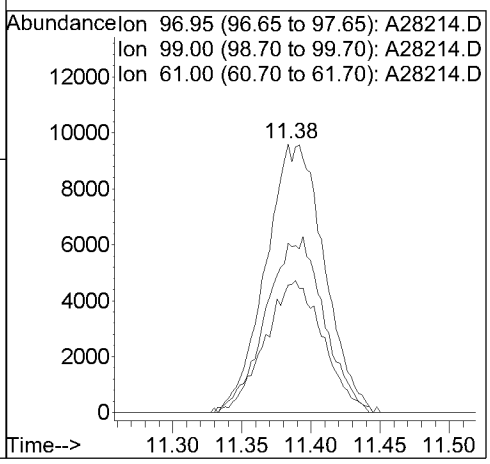


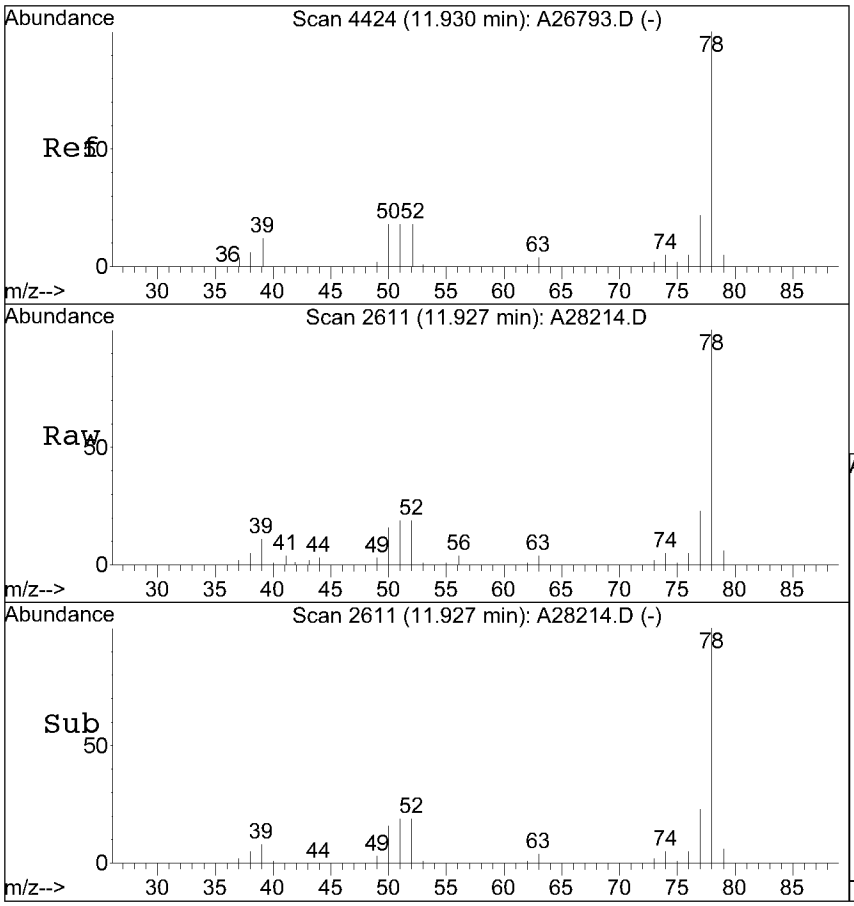


#29
1,1,1-TRICHLOROETHANE
Concen: 0.69 PPBv
RT: 11.39 min Scan# 2410
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 97 Resp: 283973

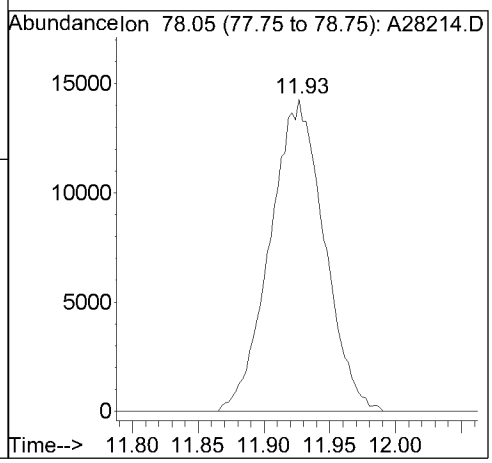
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	48.4	38.8	58.2

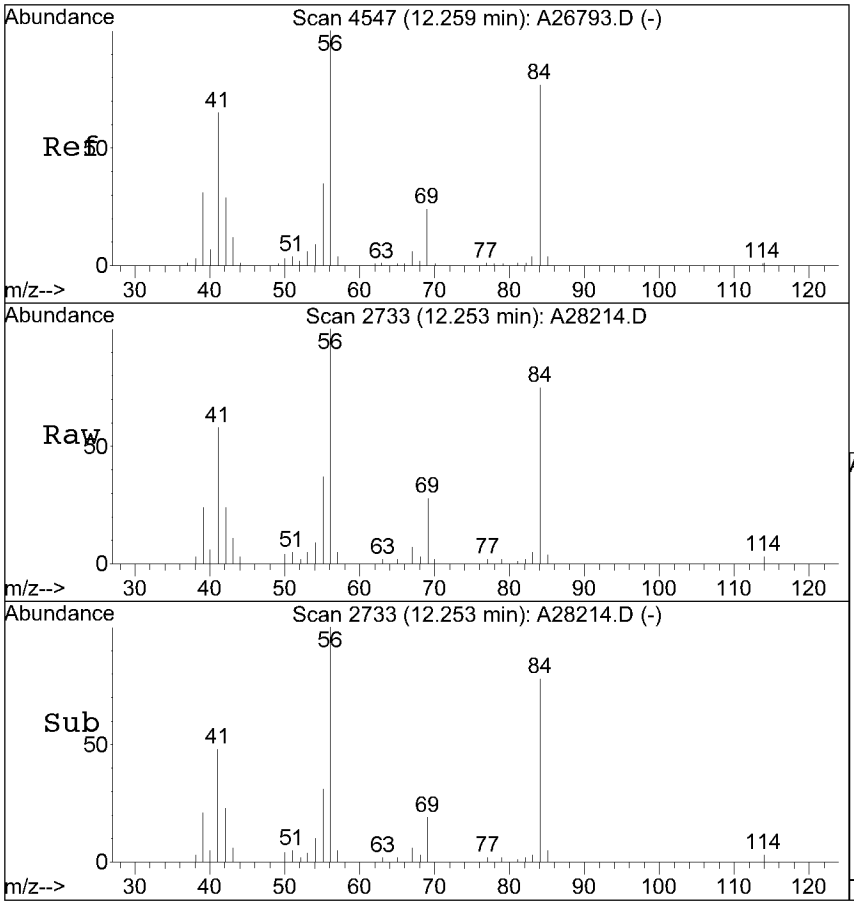




#30
BENZENE
Concen: 0.70 PPBv
RT: 11.93 min Scan# 2611
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 78 Resp: 409423

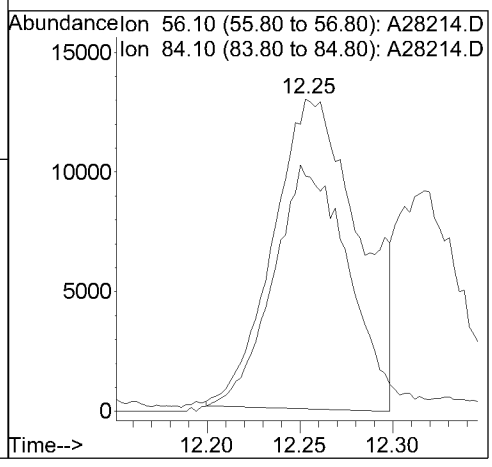


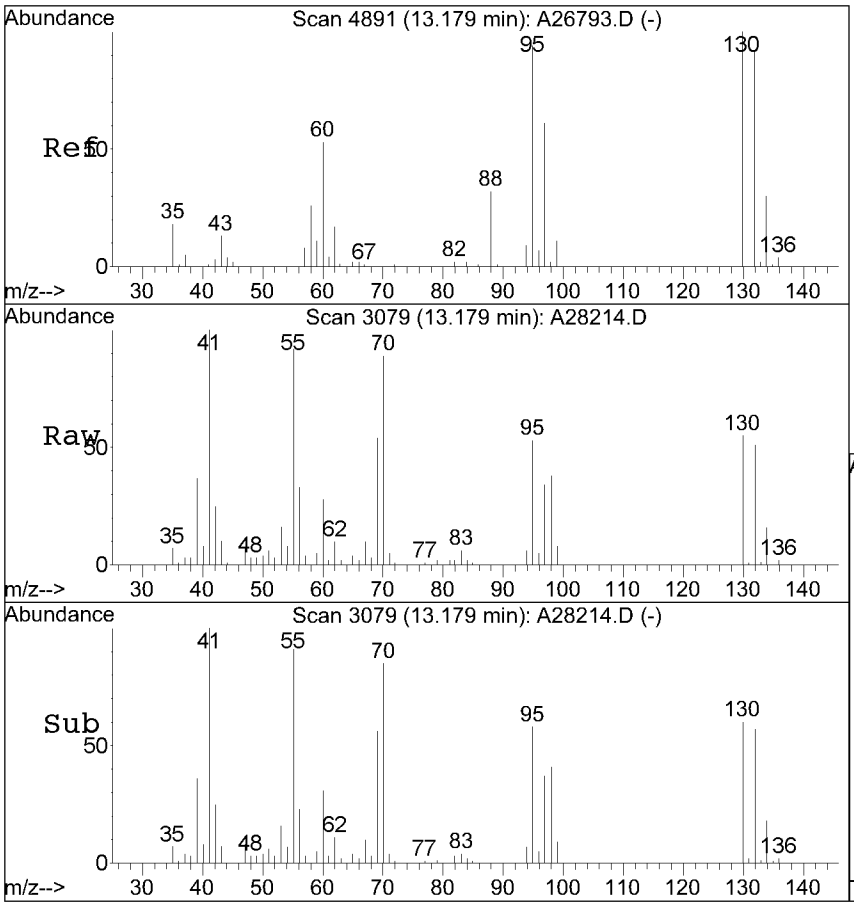


#32
CYCLOHEXANE
Concen: 1.16 PPBv m
RT: 12.25 min Scan# 2733
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 56 Resp: 407178

Ion	Ratio	Lower	Upper
56	100		
84	65.3	53.2	79.8

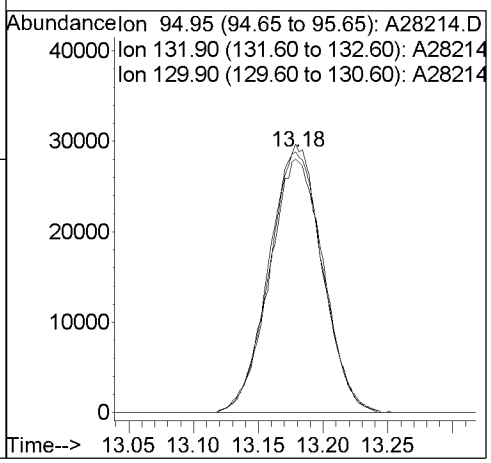


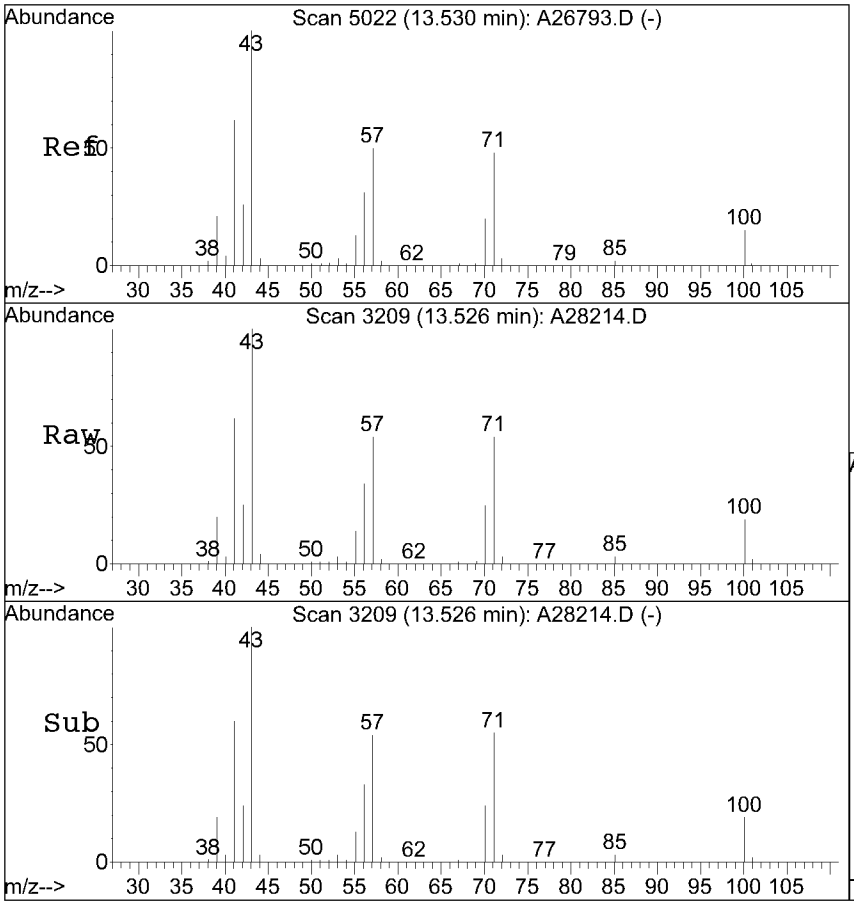


#37
TRICHLOROETHENE
Concen: 3.51 PPBv
RT: 13.18 min Scan# 3079
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 95 Resp: 840064

Ion	Ratio	Lower	Upper
95	100		
132	95.7	76.8	115.2
130	100.0	80.2	120.2

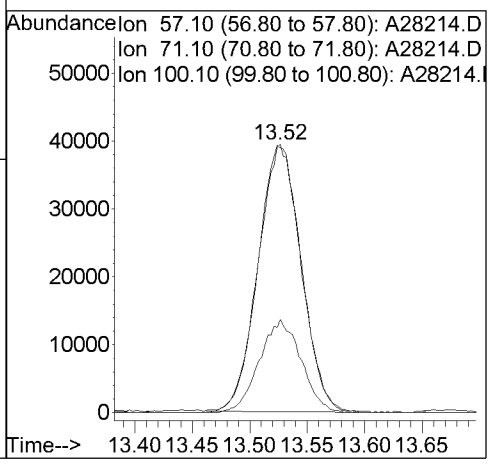


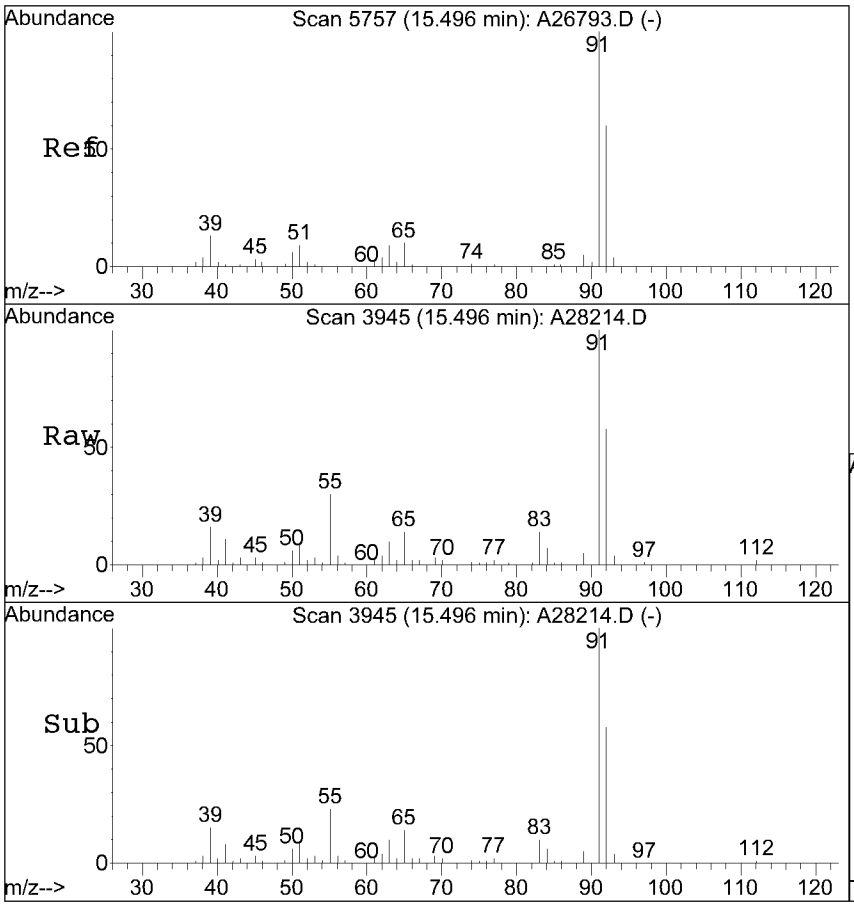


#38
HEPTANE
Concen: 5.11 PPBv
RT: 13.53 min Scan# 3209
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 57 Resp: 1027764

Ion	Ratio	Lower	Upper
57	100		
71	100.0	79.0	118.4
100	33.6	25.8	38.8

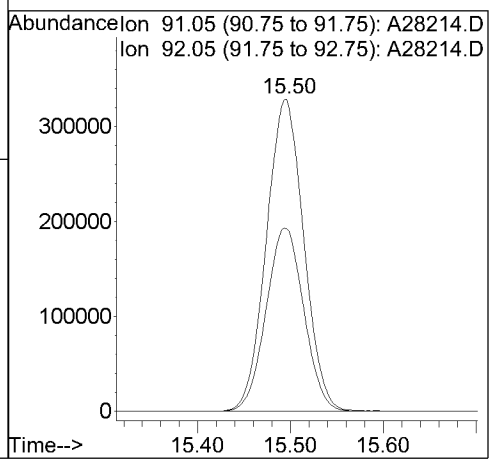


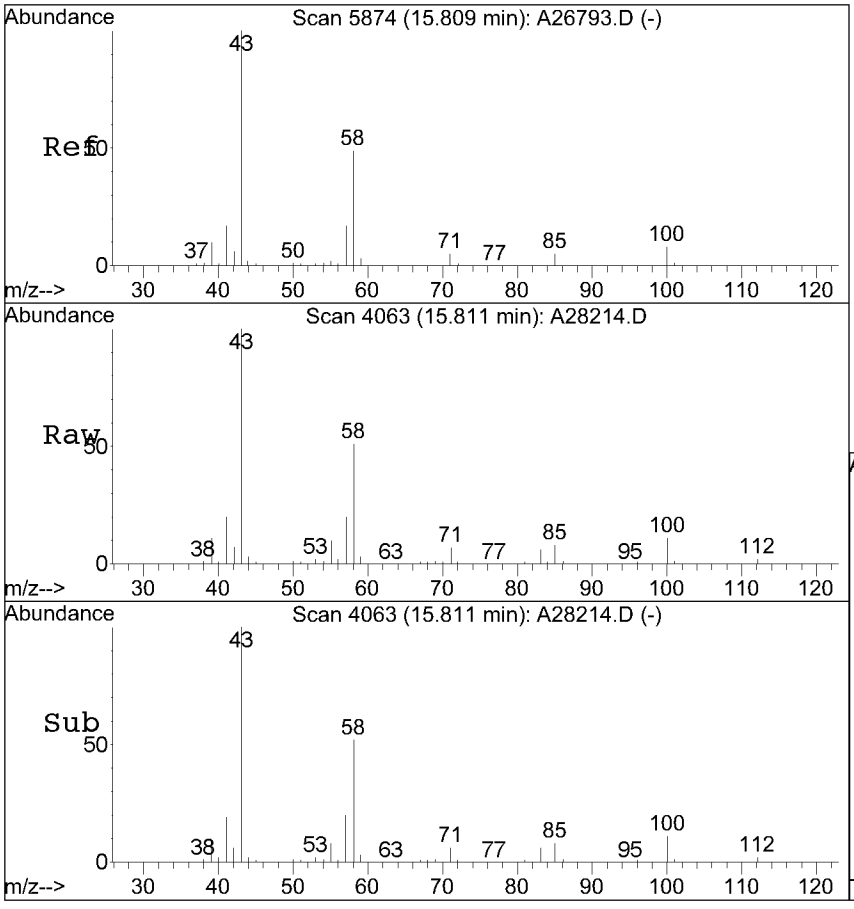


#43
TOLUENE
Concen: 13.79 PPBv
RT: 15.50 min Scan# 3945
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 91 Resp: 9206398

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.1	72.1

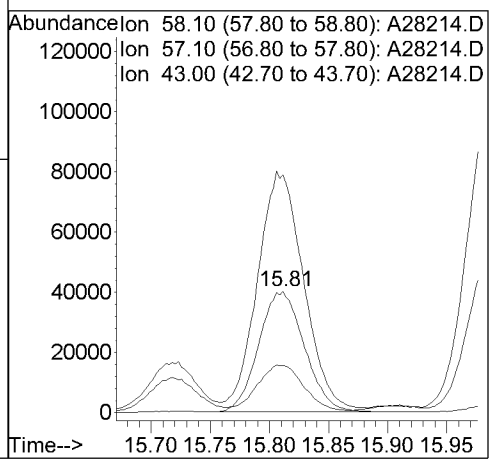


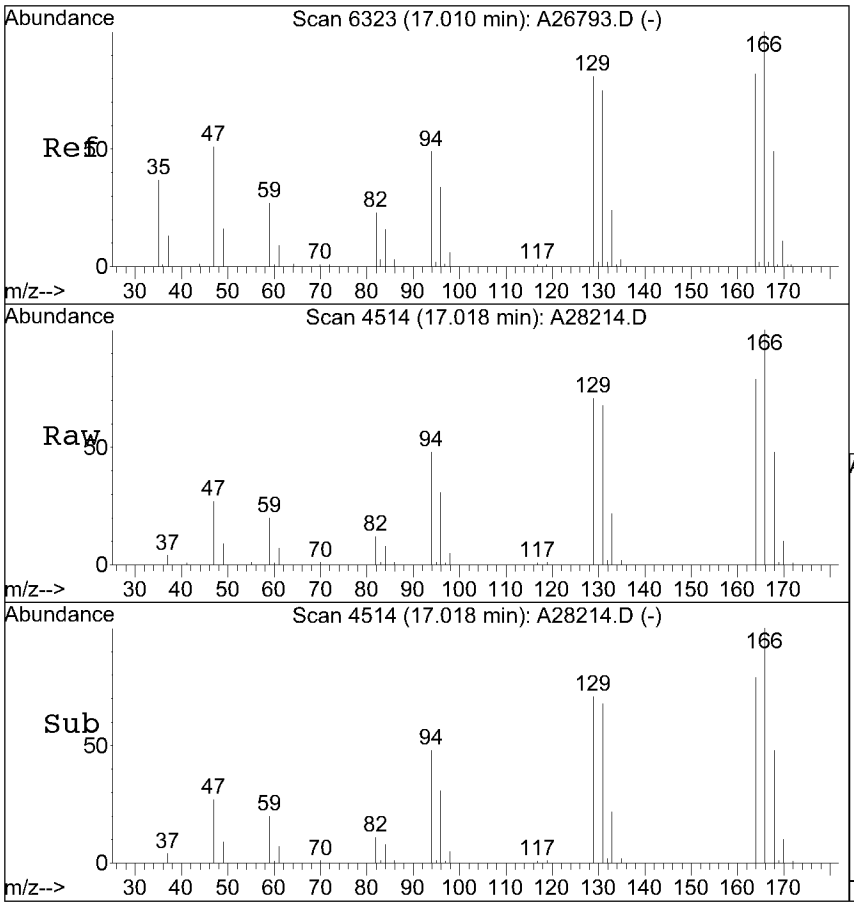


#44
2-HEXANONE(MBK)
Concen: 4.80 PPBv
RT: 15.81 min Scan# 4063
Delta R.T. -0.00 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 58 Resp: 1075219

Ion	Ratio	Lower	Upper
58	100		
57	37.6	31.0	46.4
43	194.5	151.5	227.3

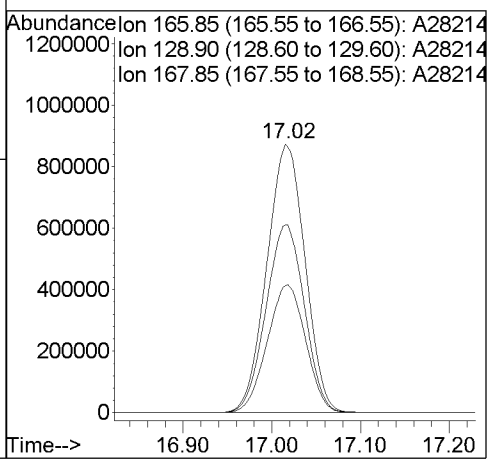


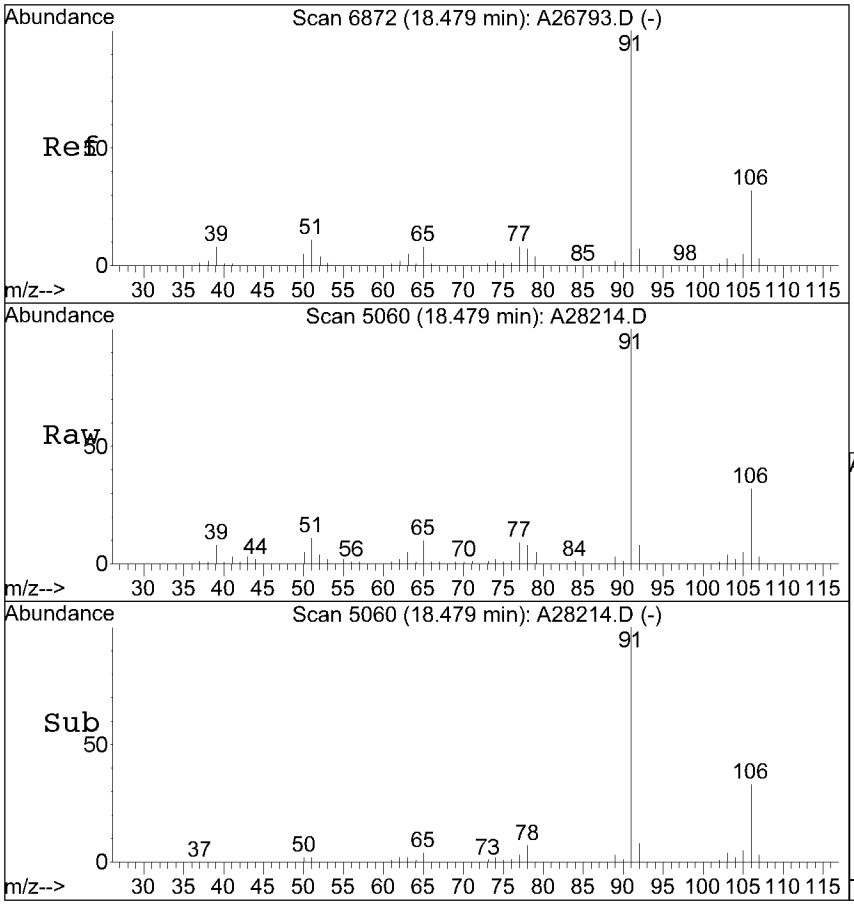


#47
TETRACHLOROETHENE
Concen: 79.62 PPBv
RT: 17.02 min Scan# 4514
Delta R.T. 0.00 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion:166 Resp:26121522

Ion	Ratio	Lower	Upper
166	100		
129	70.3	56.6	84.8
168	48.0	38.0	57.0

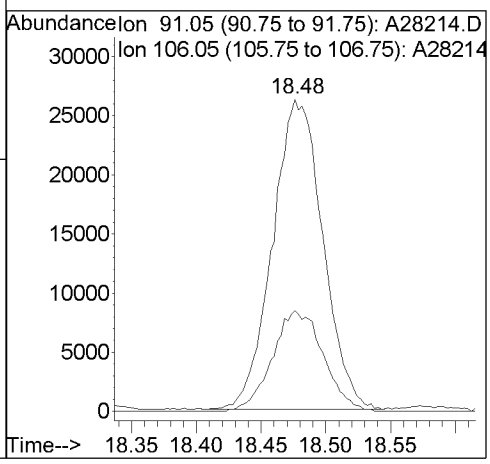


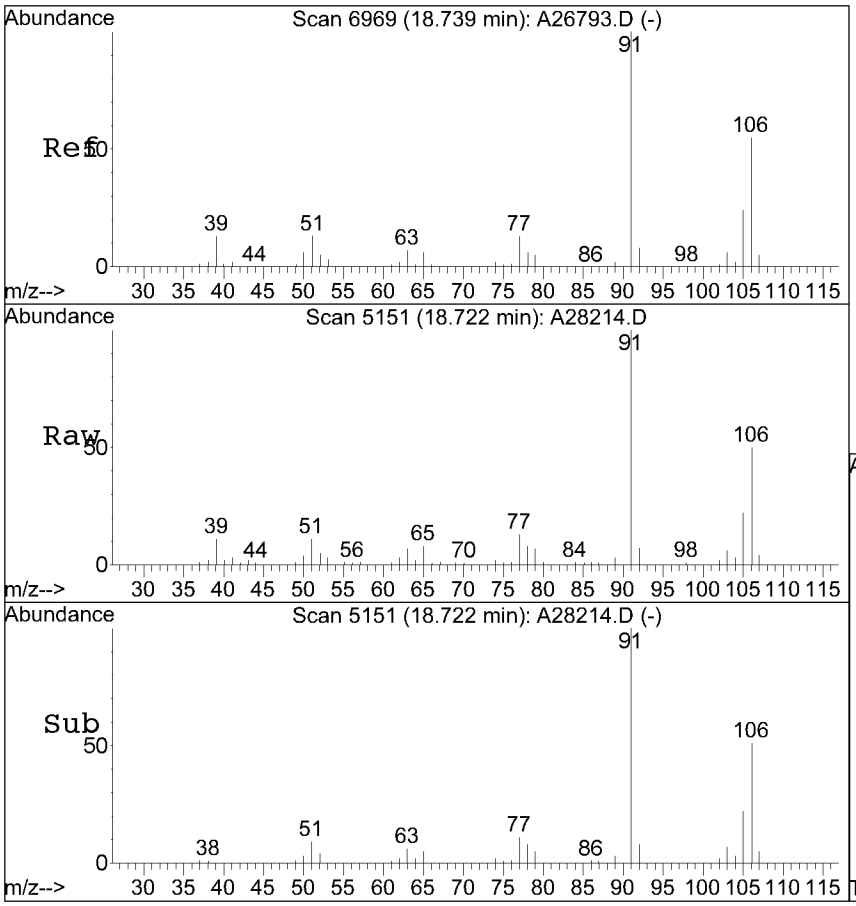


#51
ETHYLBENZENE
Concen: 0.80 PPBv
RT: 18.48 min Scan# 5060
Delta R.T. -0.00 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion: 91 Resp: 704849

Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.8	38.8

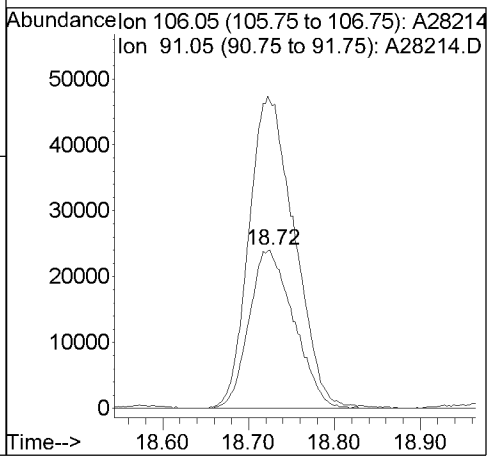


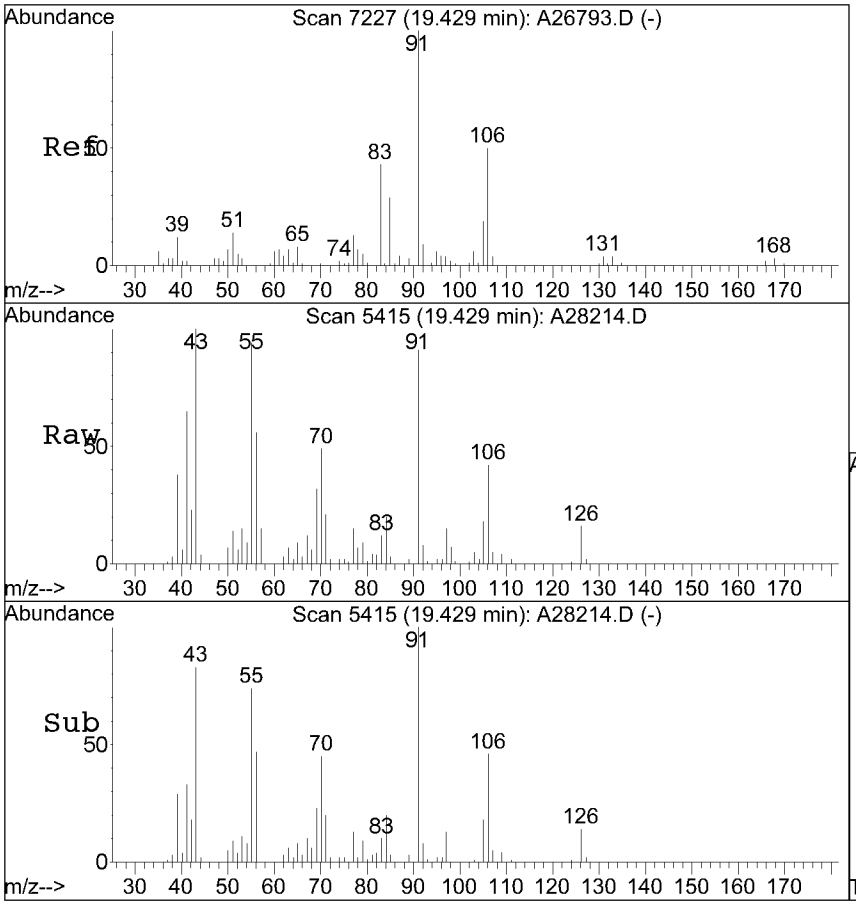


#52
M/P-XYLENE
Concen: 2.55 PPBv
RT: 18.72 min Scan# 5151
Delta R.T. -0.02 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion:106 Resp: 871522

Ion	Ratio	Lower	Upper
106	100		
91	199.0	155.7	233.5

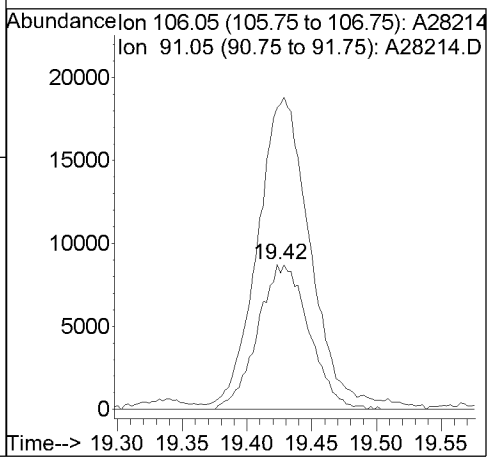


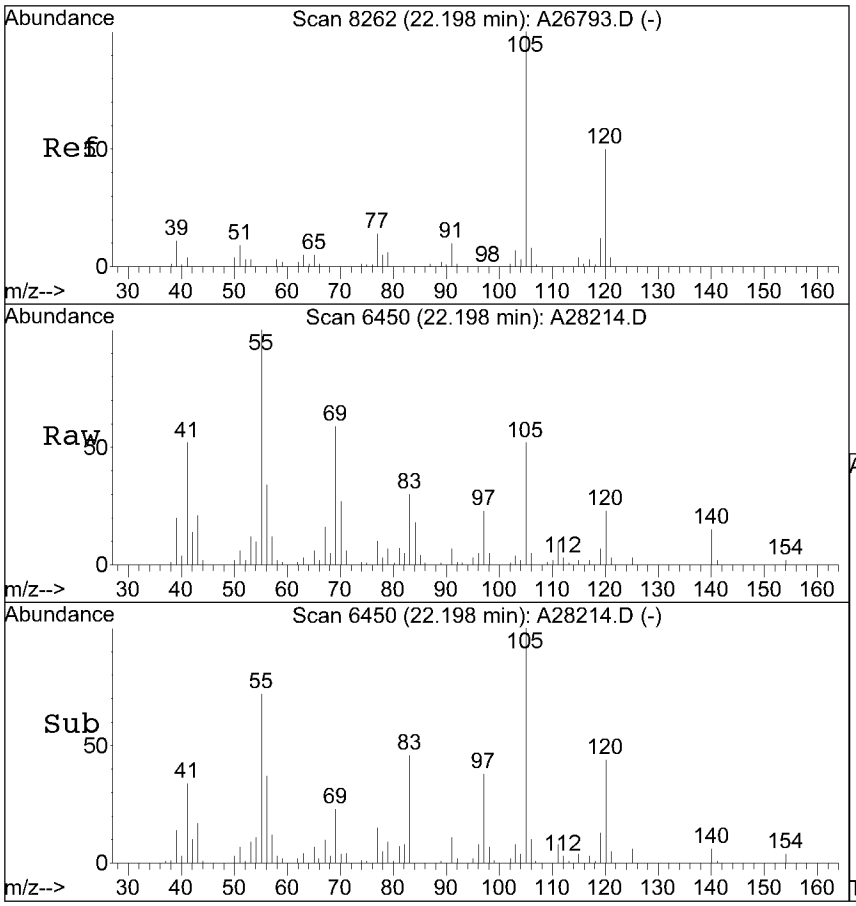


#55
O-XYLENE
Concen: 0.74 PPBv
RT: 19.43 min Scan# 5415
Delta R.T. -0.01 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion:106 Resp: 240940

Ion	Ratio	Lower	Upper
106	100		
91	225.4	169.3	253.9

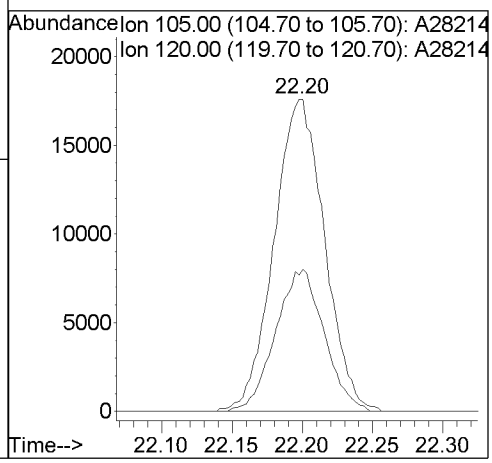




#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.53 PPBv
RT: 22.20 min Scan# 6450
Delta R.T. -0.00 min
Lab File: A28214.D
Acq: 29 Apr 2008 12:09 pm

Tgt Ion:105 Resp: 439237

Ion	Ratio	Lower	Upper
105	100		
120	43.8	35.0	52.4



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28215.D Vial: 1
Acq On : 29 Apr 2008 12:50 pm Operator: WB
Sample : sa77688-02dup @ 130173-sv-s5 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:19 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

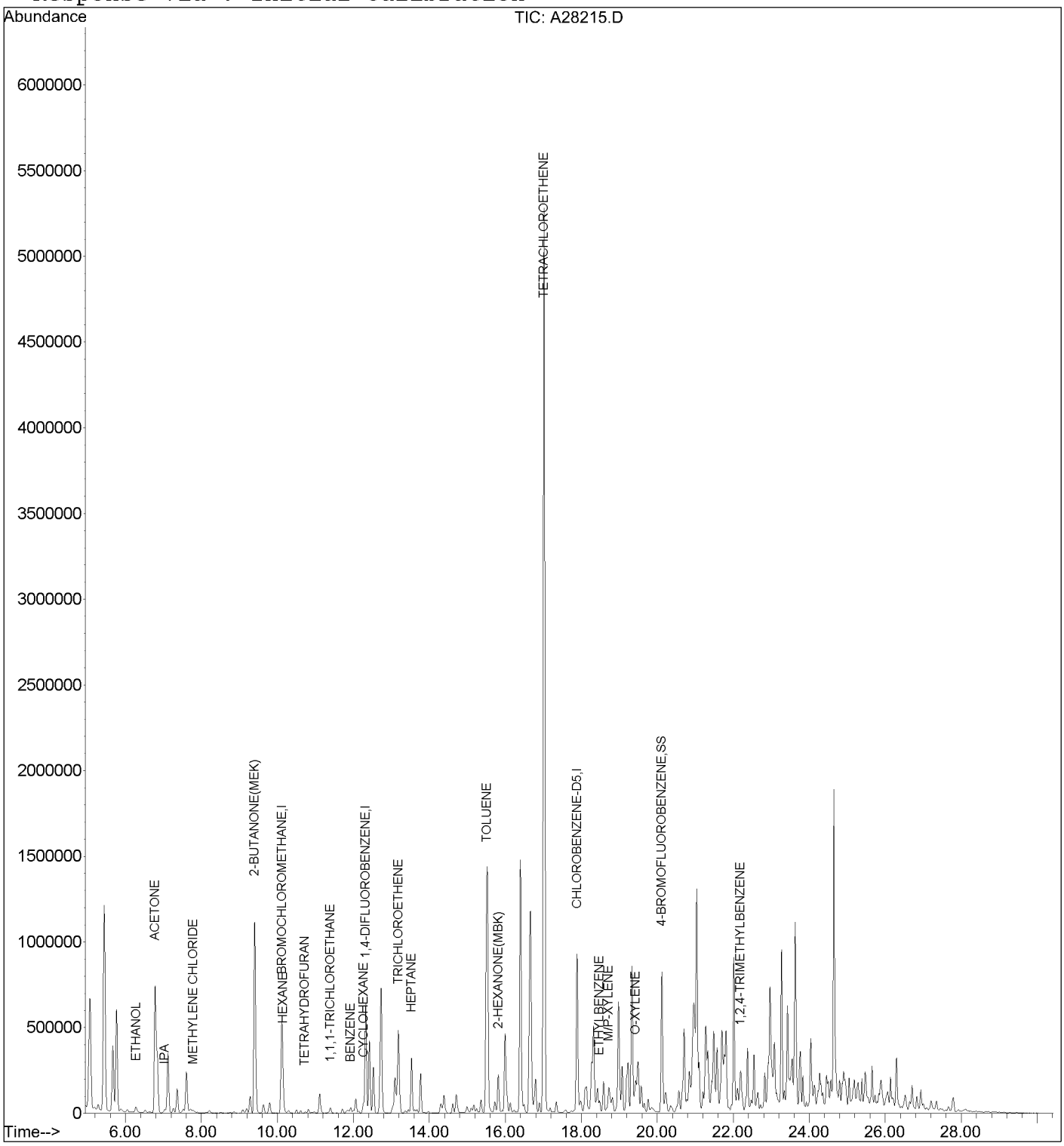
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1413776	10.00	PPBv		0.00
33) 1,4-DIFLUOROBENZENE	12.33	114	7350764	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	17.89	82	3754147	10.00	PPBv		0.00
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.12	95	4756306	9.86	PPBv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.60%				
Target Compounds							Qvalue
10) ACETONE	6.78	58	4907169	64.96	PPBv		87
12) ETHANOL	6.28	45	626772	11.56	PPBv		98
15) METHYLENE CHLORIDE	7.78	84	98659	0.60	PPBv		97
21) IPA	7.04	45	374636	1.16	PPBv	#	61
22) 2-BUTANONE(MEK)	9.40	57	1616584	43.94	PPBv		83
24) HEXANE	10.16	57	601892	1.81	PPBv	#	53
27) TETRAHYDROFURAN	10.73	71	32185	0.37	PPBv	#	67
29) 1,1,1-TRICHLOROETHANE	11.40	97	286275	0.68	PPBv		99
30) BENZENE	11.93	78	411058	0.69	PPBv		100
32) CYCLOHEXANE	12.26	56	421561m	1.18	PPBv		
37) TRICHLOROETHENE	13.18	95	865770	3.53	PPBv		100
38) HEPTANE	13.53	57	1049925	5.09	PPBv		98
43) TOLUENE	15.50	91	9476247	13.84	PPBv		99
44) 2-HEXANONE(MBK)	15.81	58	1091884	4.76	PPBv		99
47) TETRACHLOROETHENE	17.02	166	27632443	82.16	PPBv		99
51) ETHYLBENZENE	18.48	91	730309	0.80	PPBv		99
52) M/P-XYLENE	18.72	106	894652	2.52	PPBv		95
55) O-XYLENE	19.43	106	249557	0.74	PPBv		88
61) 1,2,4-TRIMETHYLBENZENE	22.20	105	446363	0.52	PPBv		100

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

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28215.D Vial: 1
Acq On : 29 Apr 2008 12:50 pm Operator: WB
Sample : sa77688-02dup @ 130173-sv-s5 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:19 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28216.D Vial: 2
Acq On : 29 Apr 2008 2:30 pm Operator: WB
Sample : sa77688-01 @ sv1-8 4x to-15 Inst : GCMS Air
Misc : 4 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:24 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

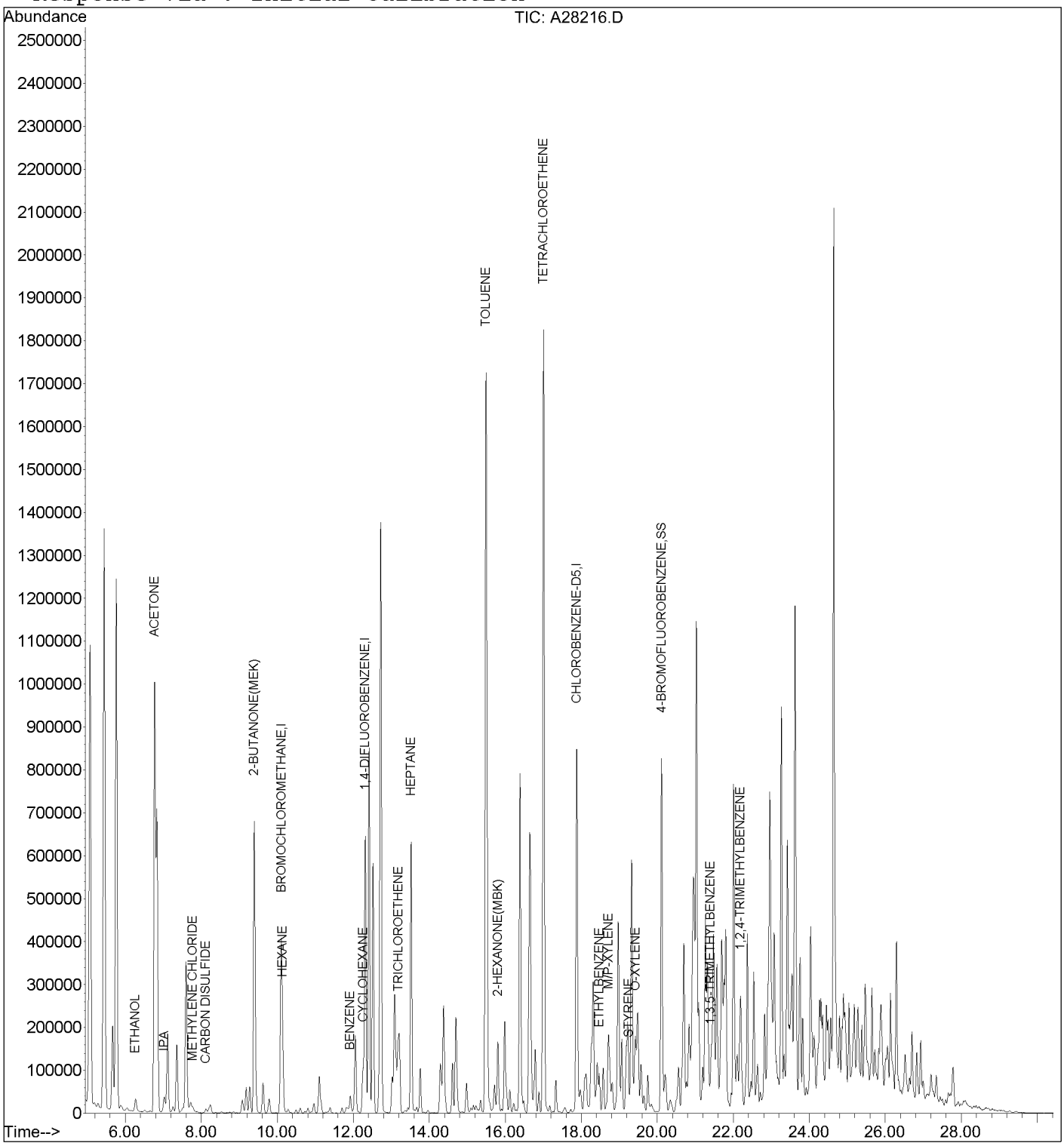
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.10	128	1440760	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7535971	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.88	82	3763708	10.00	PPBv	-0.01
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.11	95	4815215	9.95	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.50%			
Target Compounds						Qvalue
10) ACETONE	6.77	58	6203356	80.58	PPBv	88
12) ETHANOL	6.27	45	565407	10.23	PPBv	97
15) METHYLENE CHLORIDE	7.77	84	86674	0.52	PPBv	95
17) CARBON DISULFIDE	8.12	76	200164	0.37	PPBv	100
21) IPA	7.03	45	753517	2.30	PPBv #	63
22) 2-BUTANONE(MEK)	9.39	57	1059824	28.27	PPBv	99
24) HEXANE	10.15	57	752056	2.22	PPBv #	48
30) BENZENE	11.92	78	495742	0.81	PPBv	100
32) CYCLOHEXANE	12.25	56	781039m	2.14	PPBv	
37) TRICHLOROETHENE	13.18	95	199964	0.80	PPBv	98
38) HEPTANE	13.52	57	2107964	9.98	PPBv	99
43) TOLUENE	15.49	91	18414200	26.24	PPBv	99
44) 2-HEXANONE(MBK)	15.81	58	814620	3.46	PPBv	94
47) TETRACHLOROETHENE	17.01	166	9156731	26.56	PPBv	99
51) ETHYLBENZENE	18.47	91	1016014	1.11	PPBv	99
52) M/P-XYLENE	18.72	106	1101989	3.10	PPBv	96
54) STYRENE	19.26	104	191986	0.36	PPBv #	91
55) O-XYLENE	19.42	106	328924	0.98	PPBv	99
59) 1,3,5-TRIMETHYLBENZENE	21.39	105	346739	0.33	PPBv	99
61) 1,2,4-TRIMETHYLBENZENE	22.20	105	830608	0.97	PPBv	100

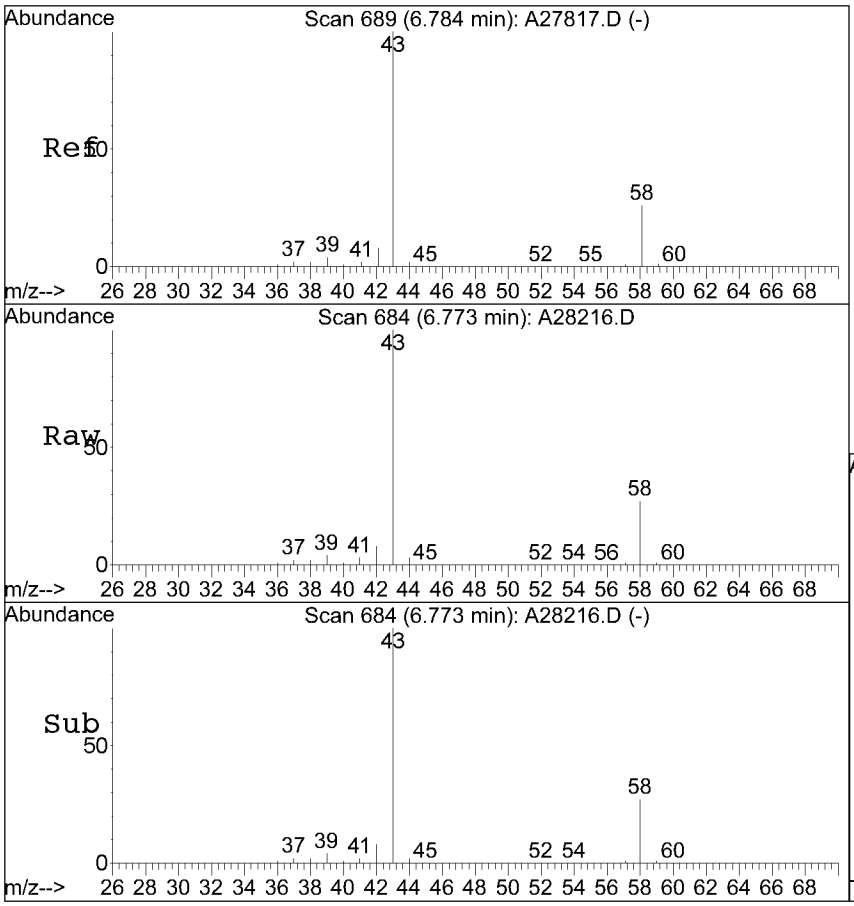
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28216.D Vial: 2
Acq On : 29 Apr 2008 2:30 pm Operator: WB
Sample : sa77688-01 @ sv1-8 4x to-15 Inst : GCMS Air
Misc : 4 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:24 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

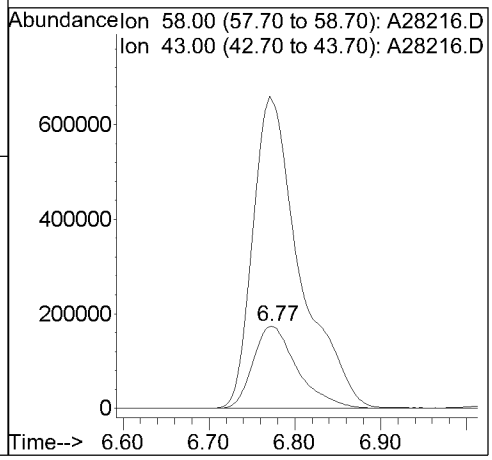


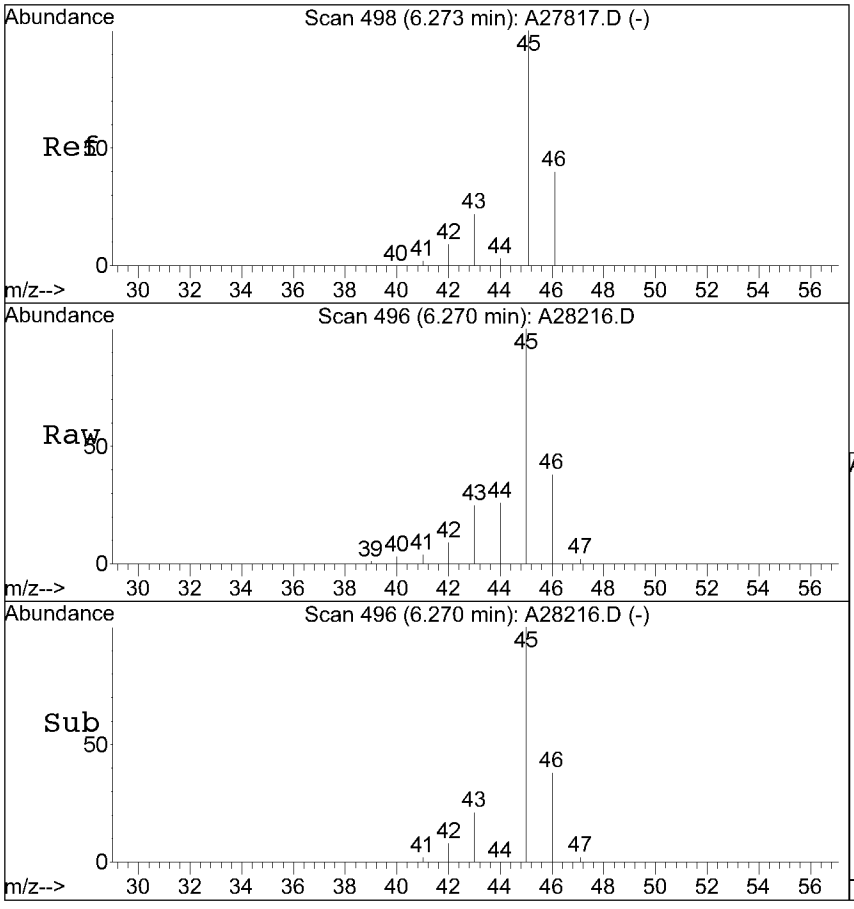


#10
ACETONE
Concen: 80.58 PPBv
RT: 6.77 min Scan# 684
Delta R.T. -0.02 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 58 Resp: 6203356

Ion	Ratio	Lower	Upper
58	100		
43	403.2	300.2	450.4

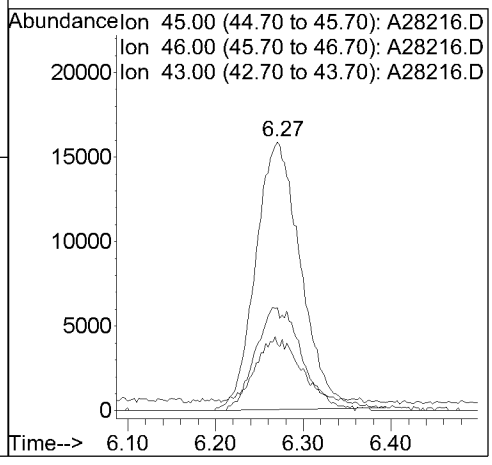


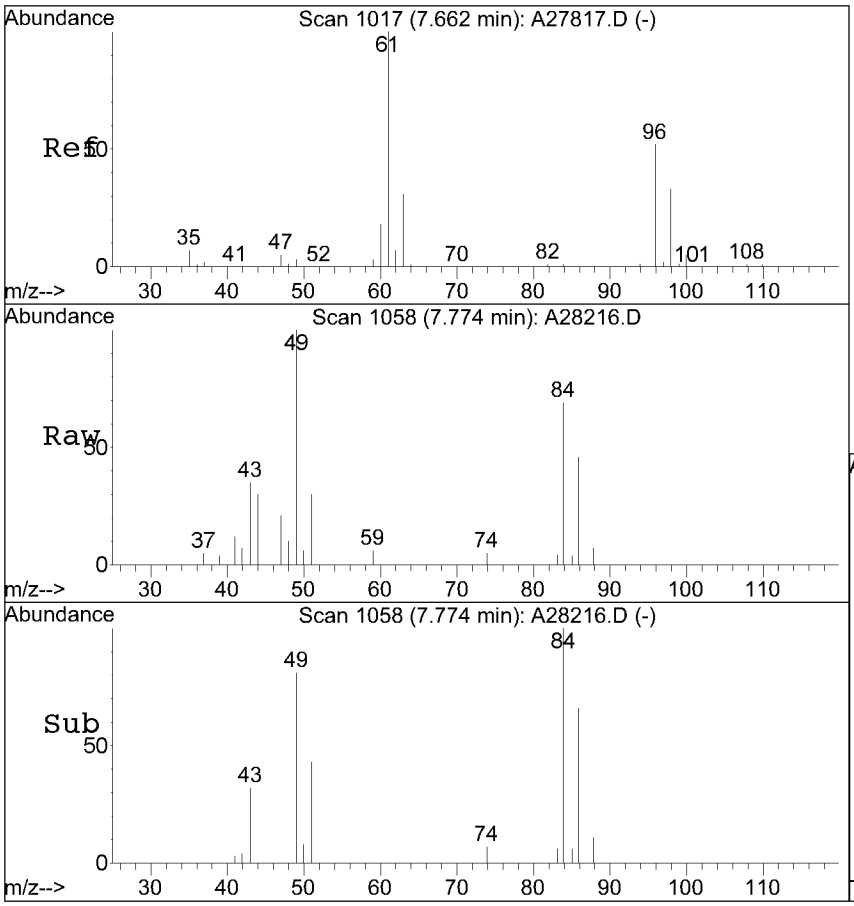


#12
ETHANOL
Concen: 10.23 PPBv
RT: 6.27 min Scan# 496
Delta R.T. -0.00 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 45 Resp: 565407

Ion	Ratio	Lower	Upper
45	100		
46	39.7	30.6	46.0
43	24.2	18.0	27.0

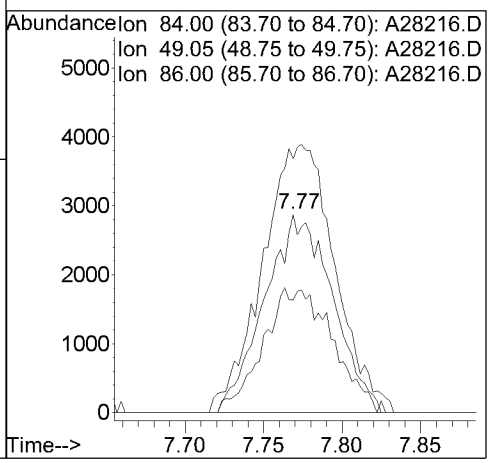


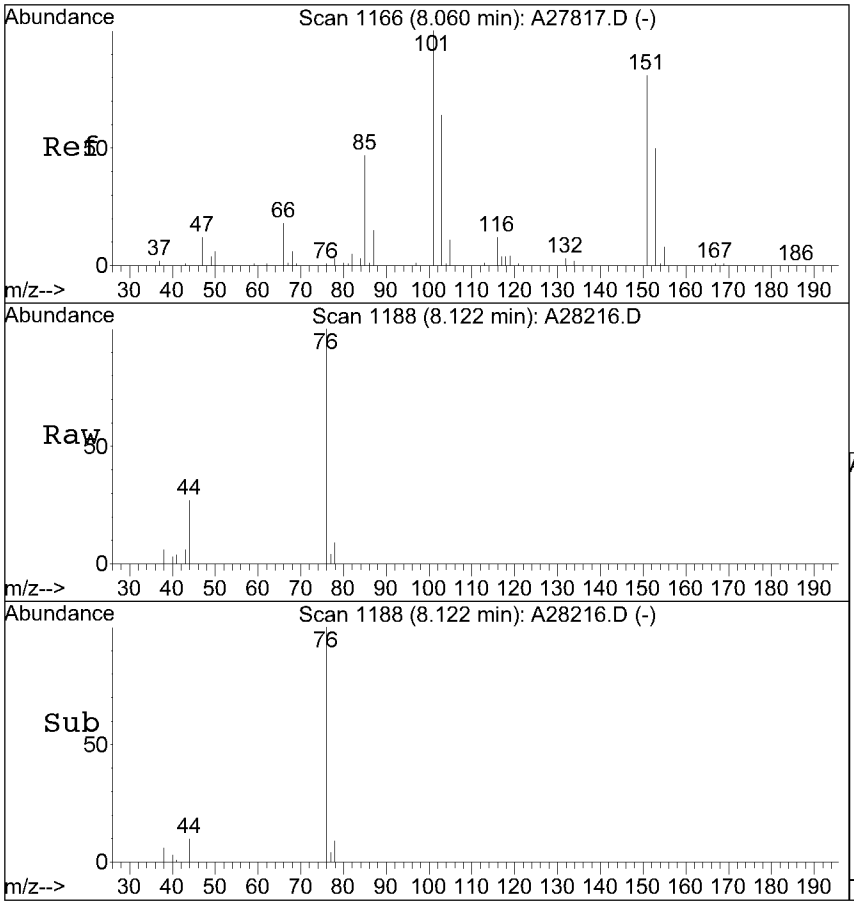


#15
METHYLENE CHLORIDE
Concen: 0.52 PPBv
RT: 7.77 min Scan# 1058
Delta R.T. -0.00 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 84 Resp: 86674

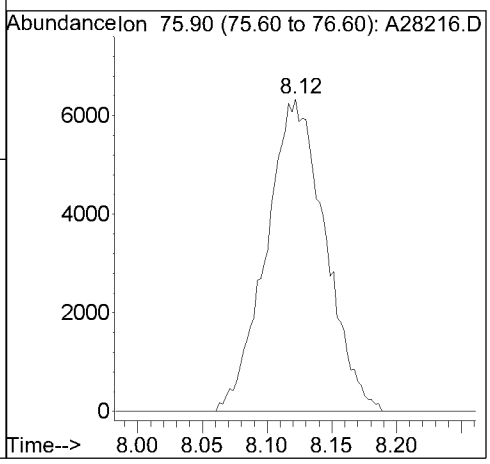
Ion	Ratio	Lower	Upper
84	100		
49	142.7	120.3	180.5
86	64.2	52.6	78.8

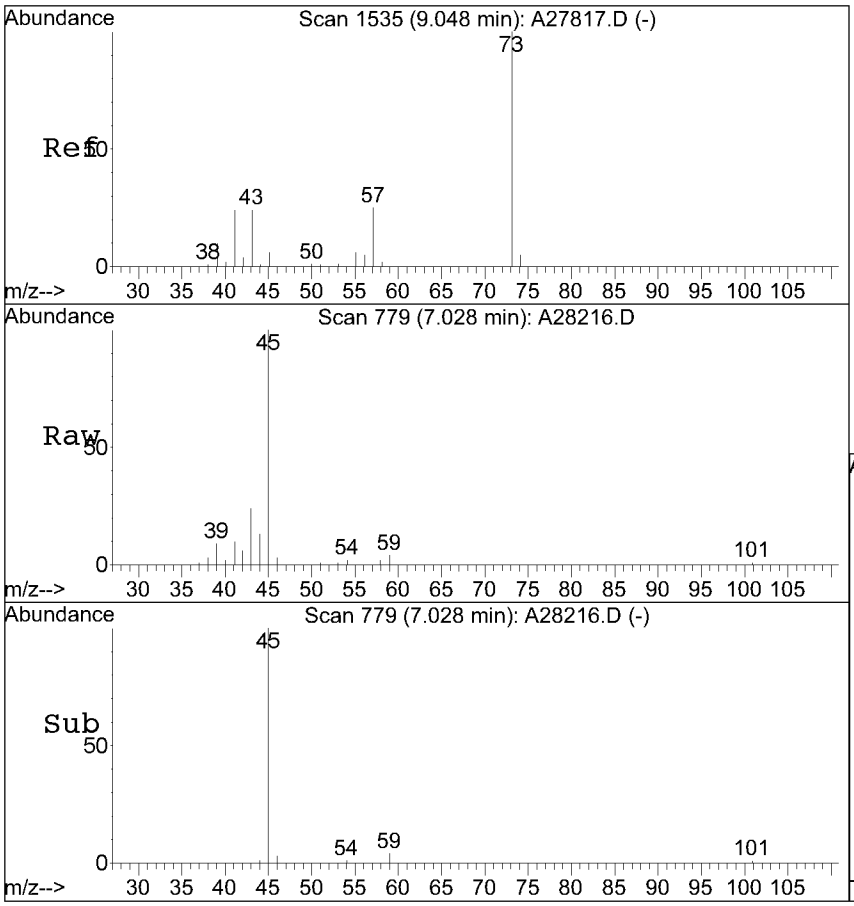




#17
CARBON DISULFIDE
Concen: 0.37 PPBv
RT: 8.12 min Scan# 1188
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 76 Resp: 200164

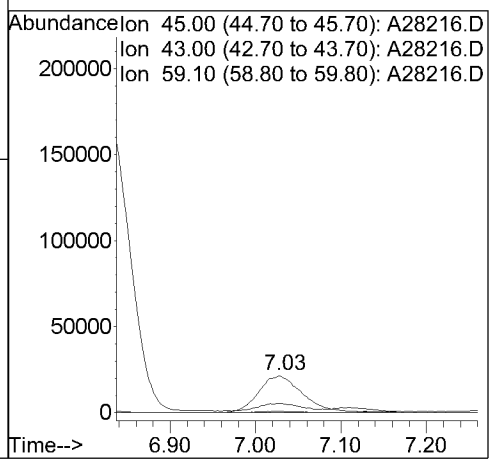


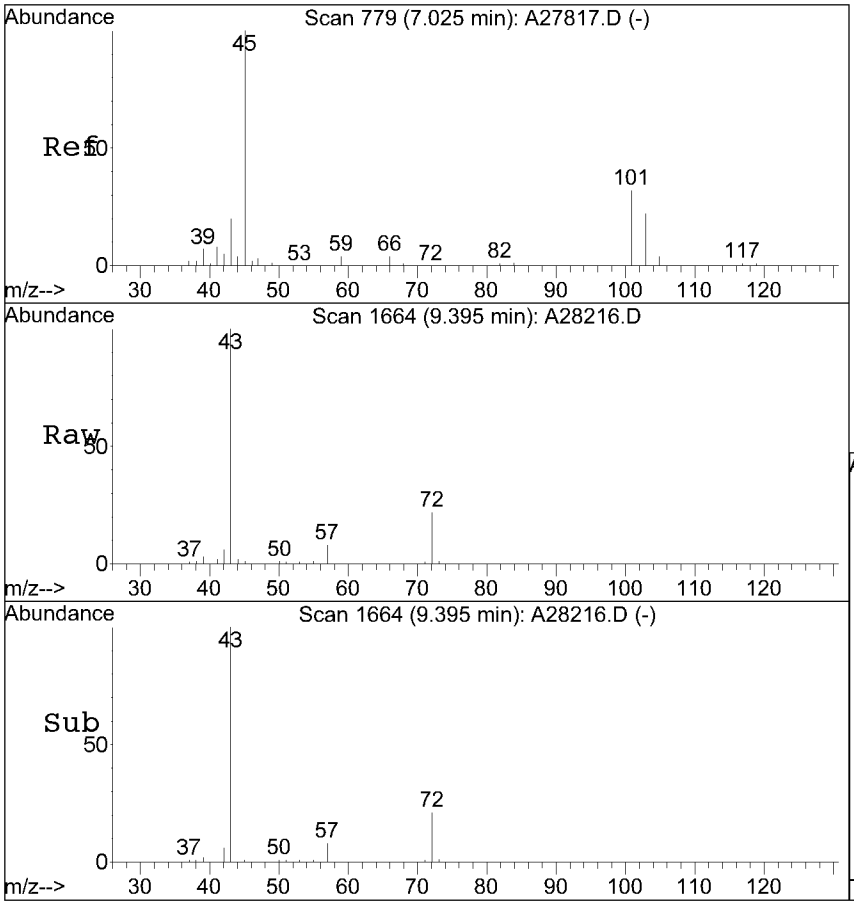


#21
IPA
Concen: 2.30 PPBv
RT: 7.03 min Scan# 779
Delta R.T. 0.00 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 45 Resp: 753517

Ion	Ratio	Lower	Upper
45	100		
43	0.0	16.2	24.2#
59	3.7	3.0	4.4

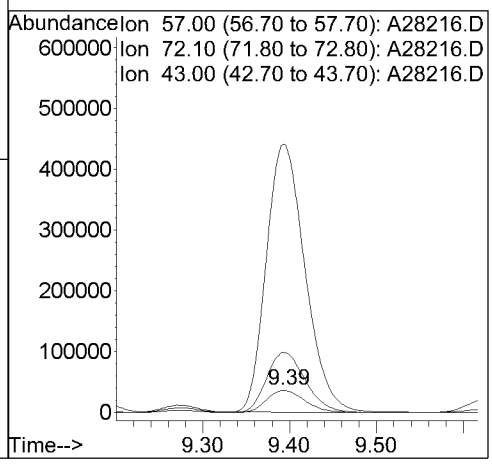


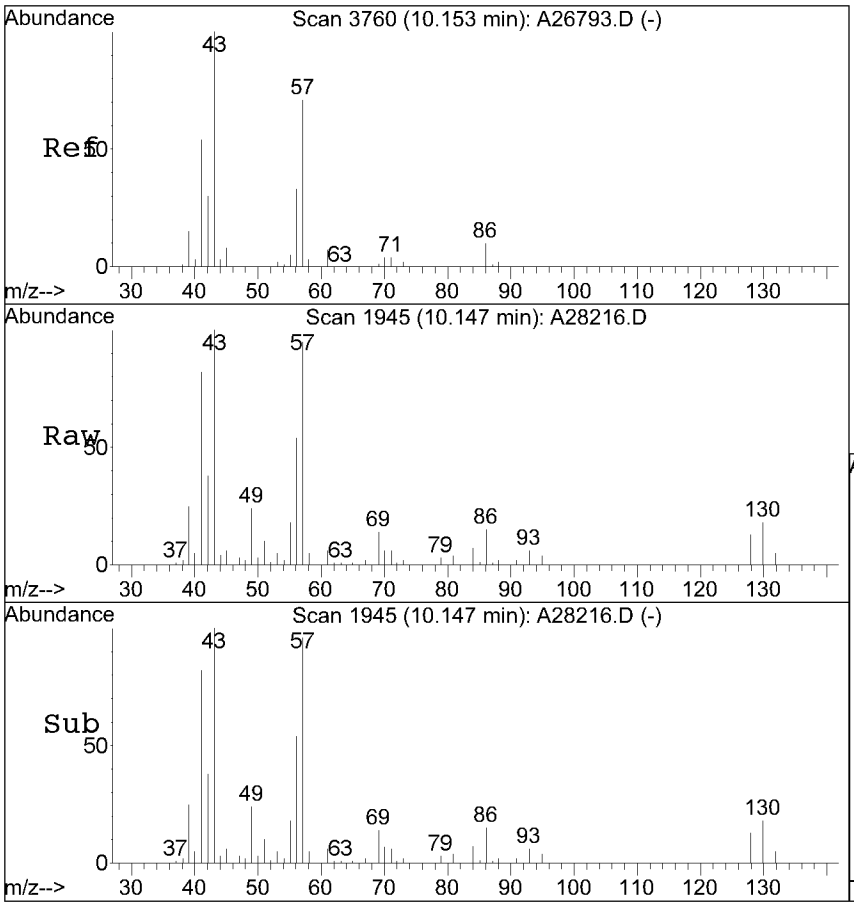


#22
2-BUTANONE(MEK)
Concen: 28.27 PPBv
RT: 9.39 min Scan# 1664
Delta R.T. -0.02 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 57 Resp: 1059824

Ion	Ratio	Lower	Upper
57	100		
72	275.9	222.2	333.4
43	1240.8	987.4	1481.0

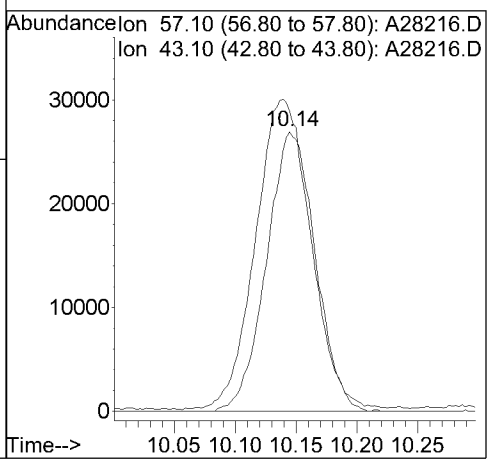


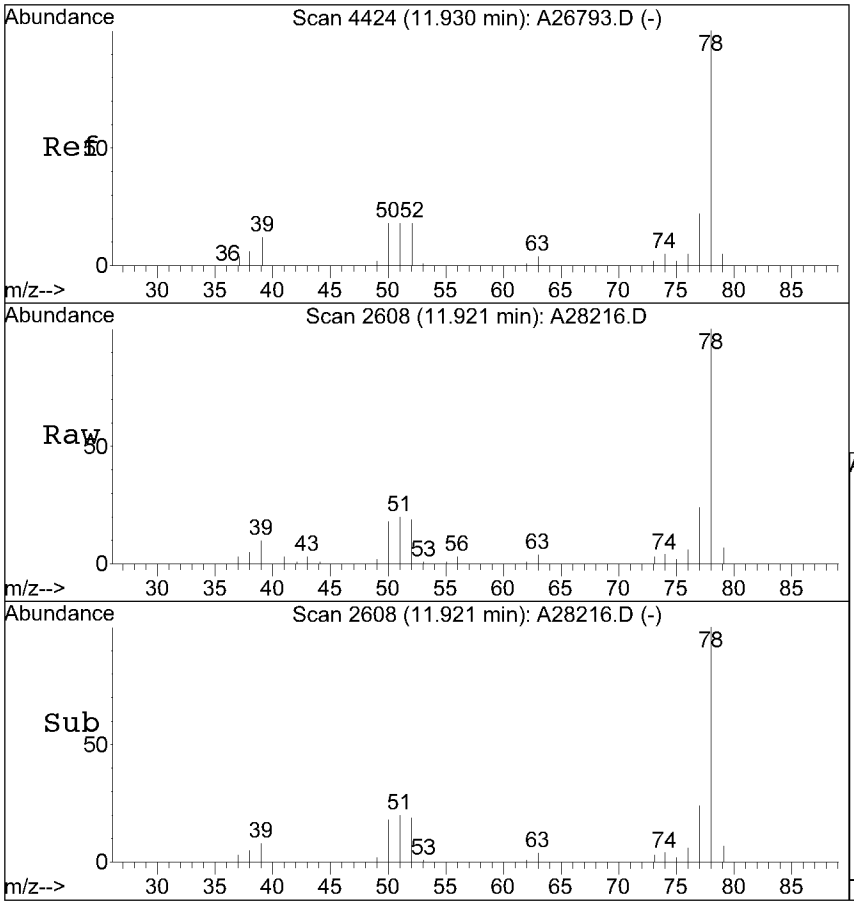


#24
HEXANE
Concen: 2.22 PPBv
RT: 10.15 min Scan# 1945
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 57 Resp: 752056

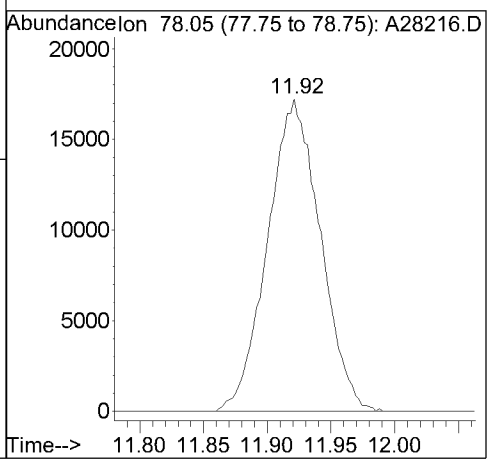
Ion	Ratio	Lower	Upper
57	100		
43	124.3	163.9	245.9#

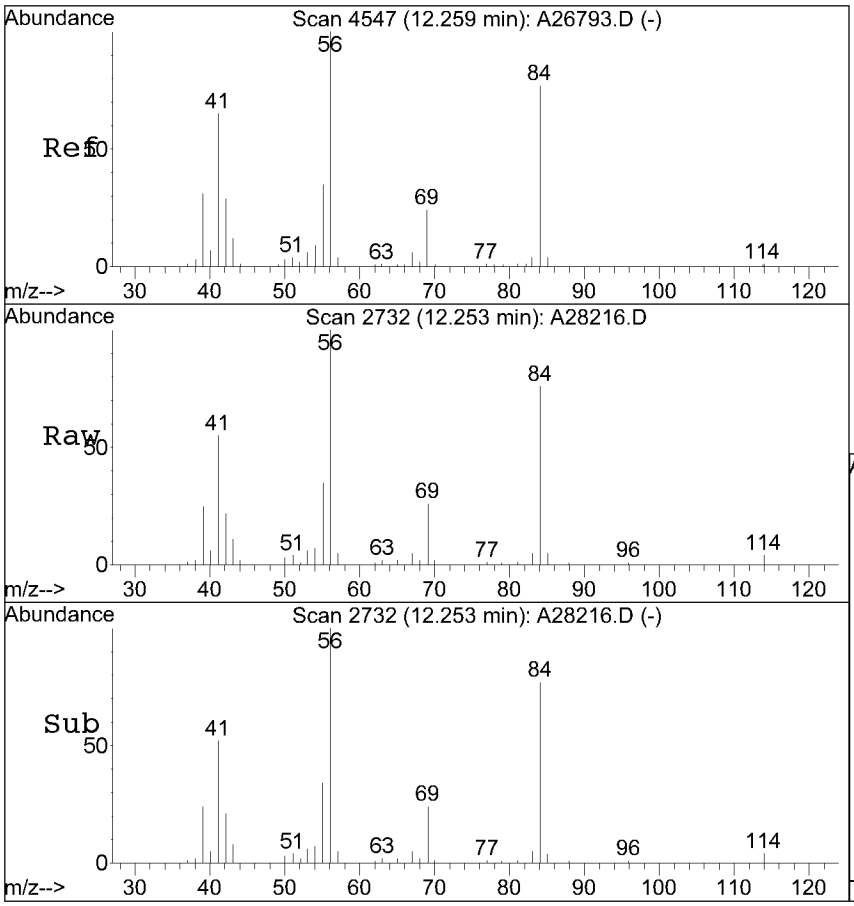




#30
BENZENE
Concen: 0.81 PPBv
RT: 11.92 min Scan# 2608
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 78 Resp: 495742

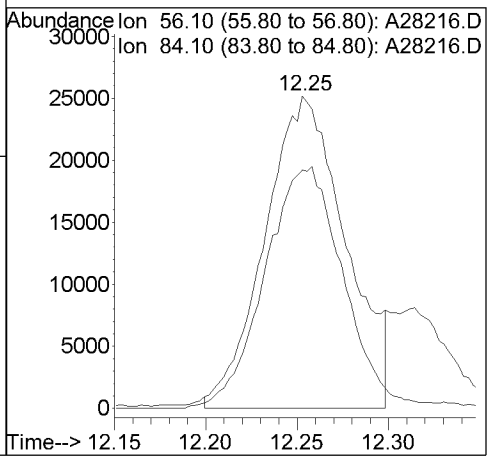


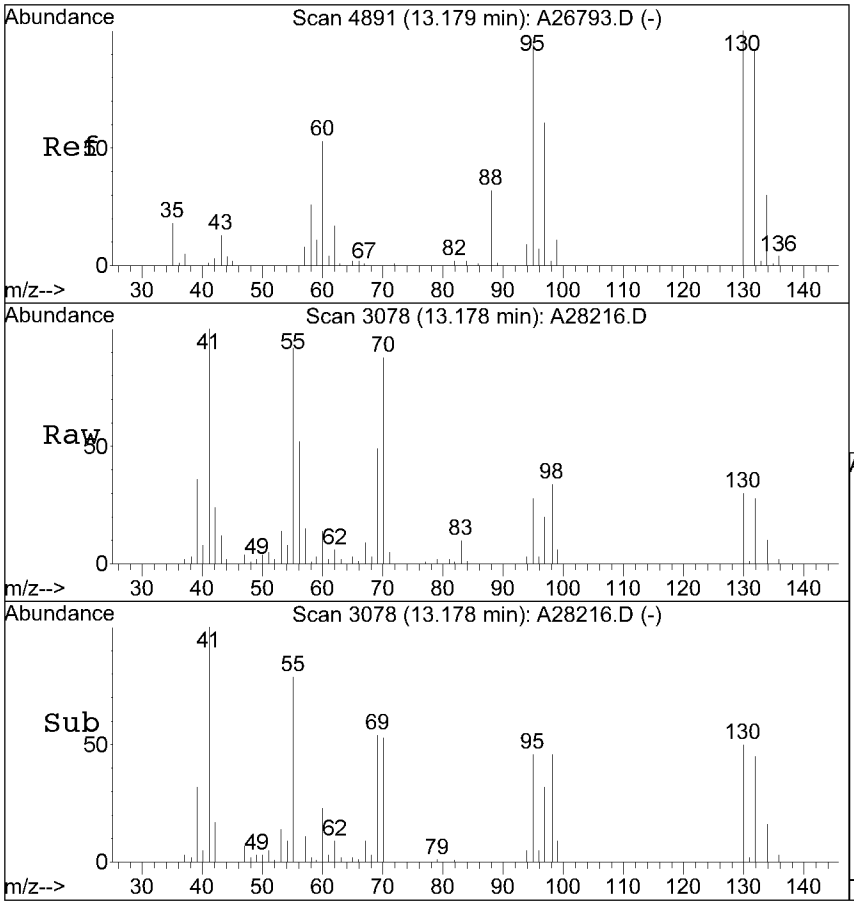


#32
CYCLOHEXANE
Concen: 2.14 PPBv m
RT: 12.25 min Scan# 2732
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 56 Resp: 781039

Ion	Ratio	Lower	Upper
56	100		
84	64.9	53.2	79.8

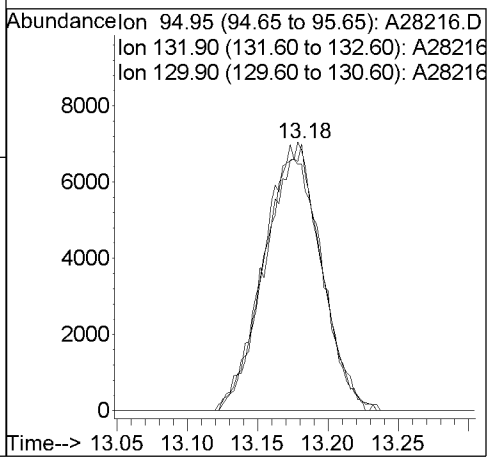


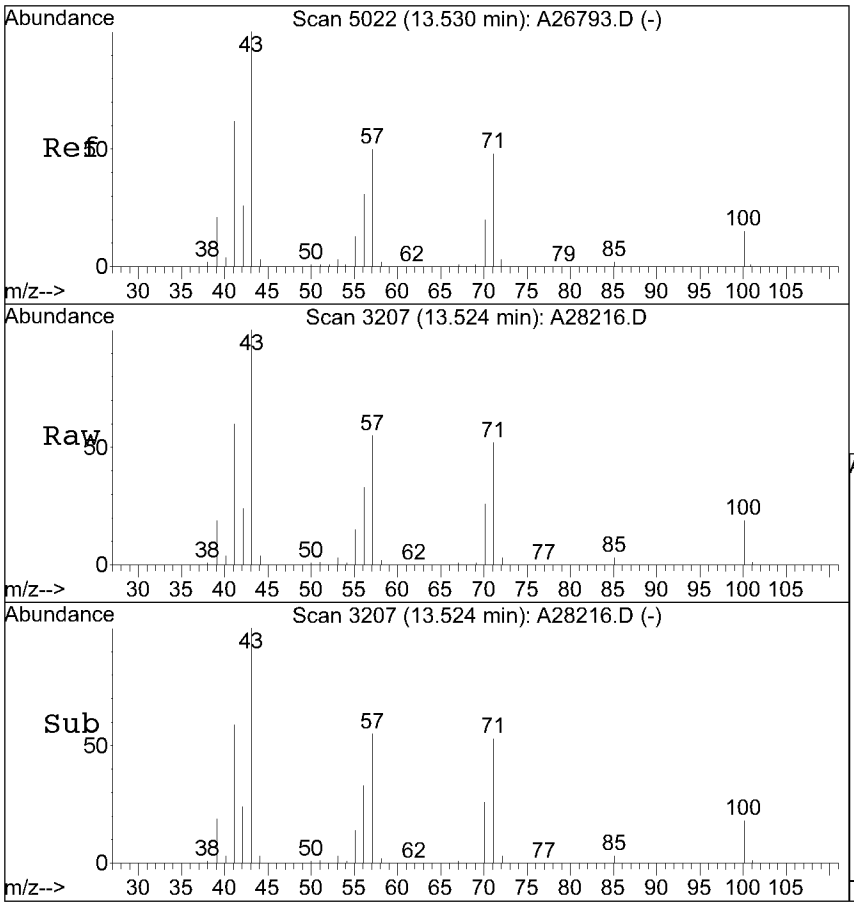


#37
TRICHLOROETHENE
Concen: 0.80 PPBv
RT: 13.18 min Scan# 3078
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 95 Resp: 199964

Ion	Ratio	Lower	Upper
95	100		
132	95.2	76.8	115.2
130	97.9	80.2	120.2

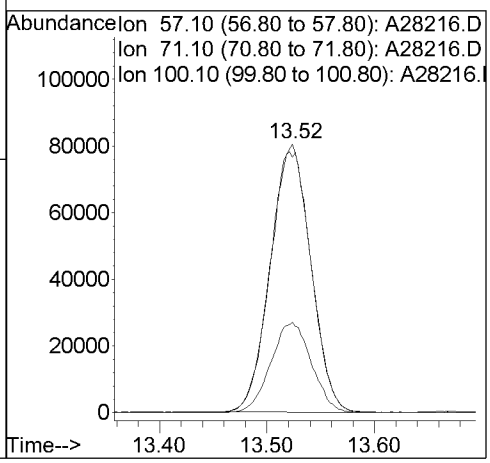


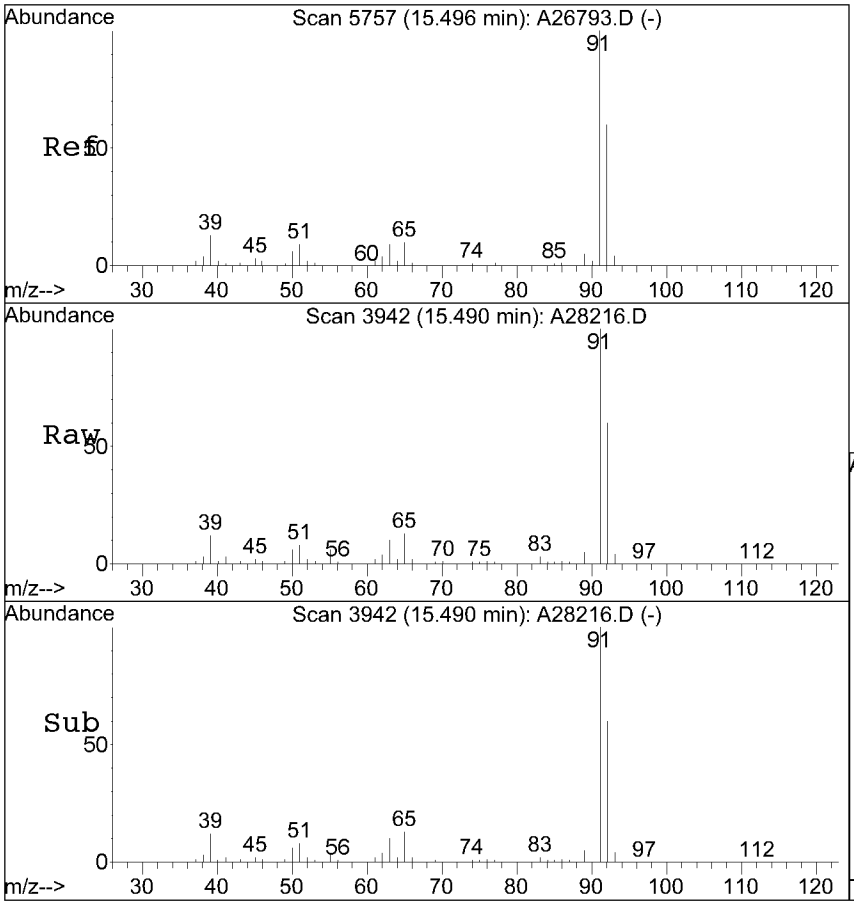


#38
HEPTANE
Concen: 9.98 PPBv
RT: 13.52 min Scan# 3207
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 57 Resp: 2107964

Ion	Ratio	Lower	Upper
57	100		
71	99.3	79.0	118.4
100	33.8	25.8	38.8

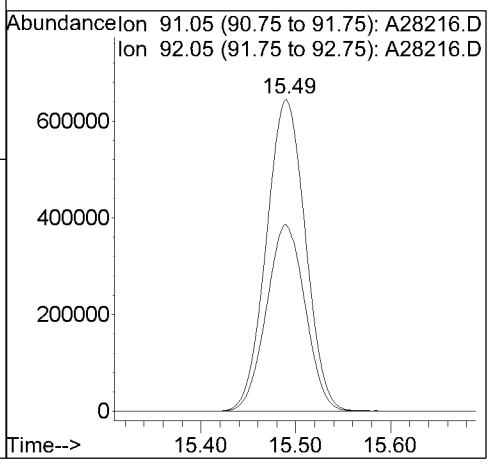


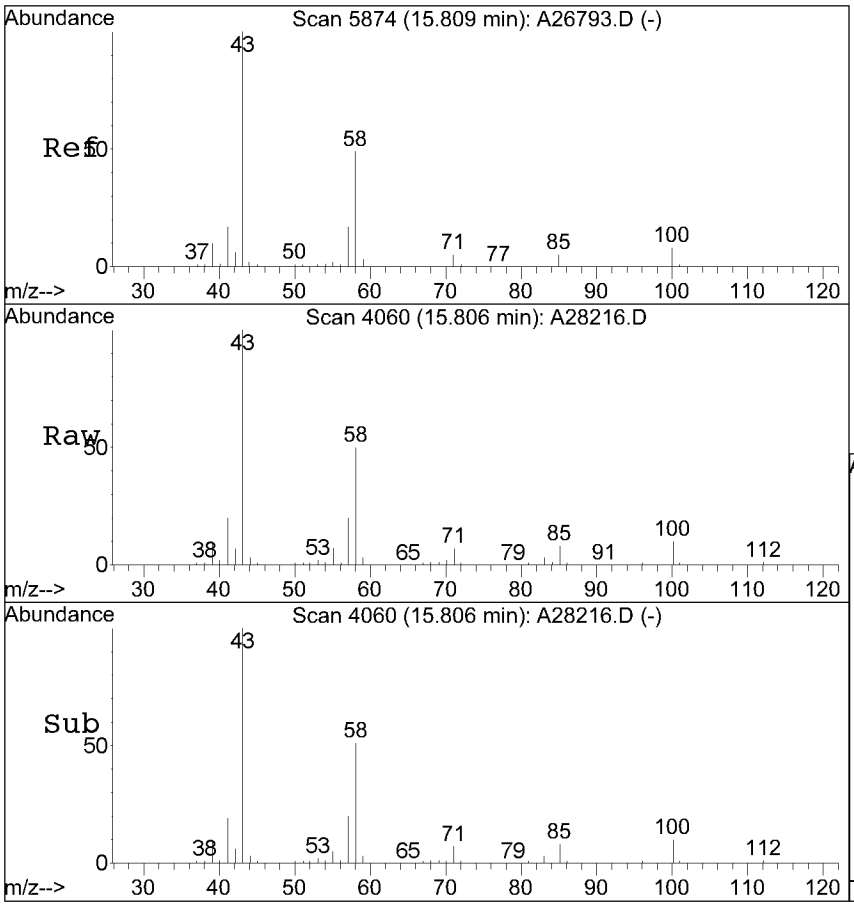


#43
TOLUENE
Concen: 26.24 PPBv
RT: 15.49 min Scan# 3942
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 91 Resp:18414200

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.1	72.1

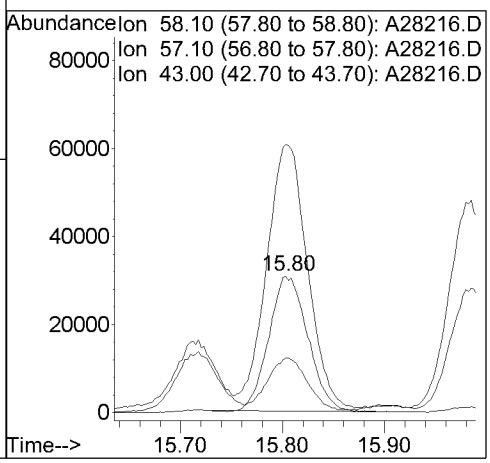


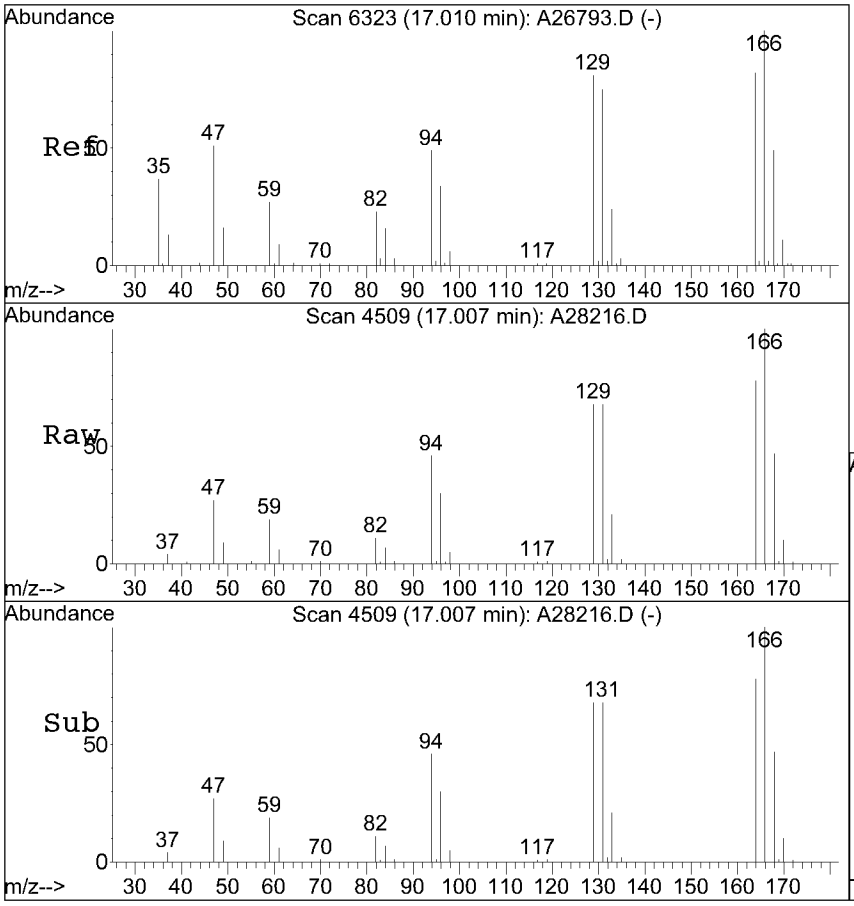


#44
2-HEXANONE(MBK)
Concen: 3.46 PPBv
RT: 15.81 min Scan# 4060
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 58 Resp: 814620

Ion	Ratio	Lower	Upper
58	100		
57	38.7	31.0	46.4
43	200.6	151.5	227.3

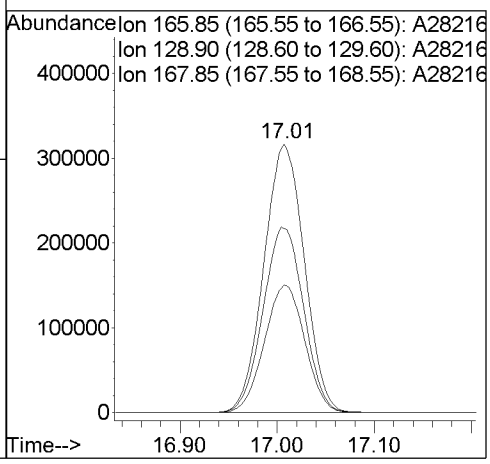


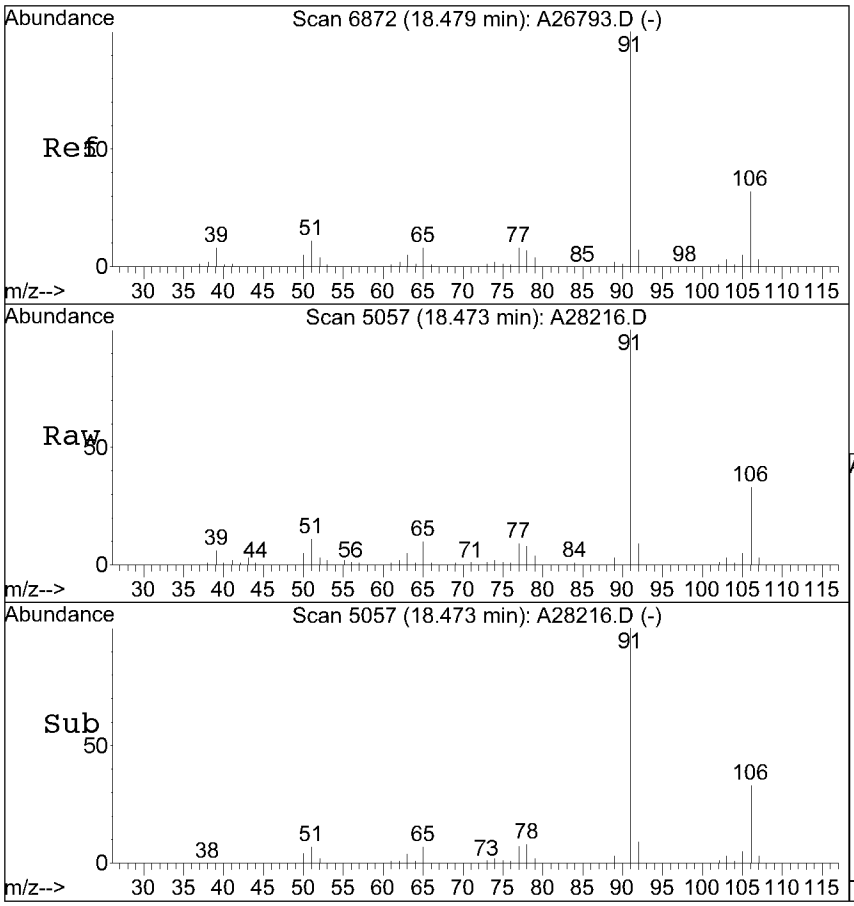


#47
TETRACHLOROETHENE
Concen: 26.56 PPBv
RT: 17.01 min Scan# 4509
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion:166 Resp: 9156731

Ion	Ratio	Lower	Upper
166	100		
129	69.4	56.6	84.8
168	47.6	38.0	57.0

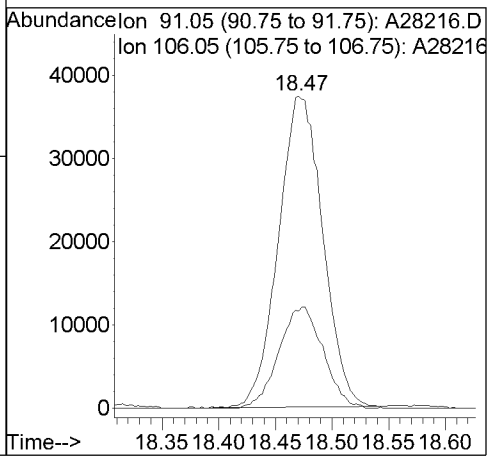


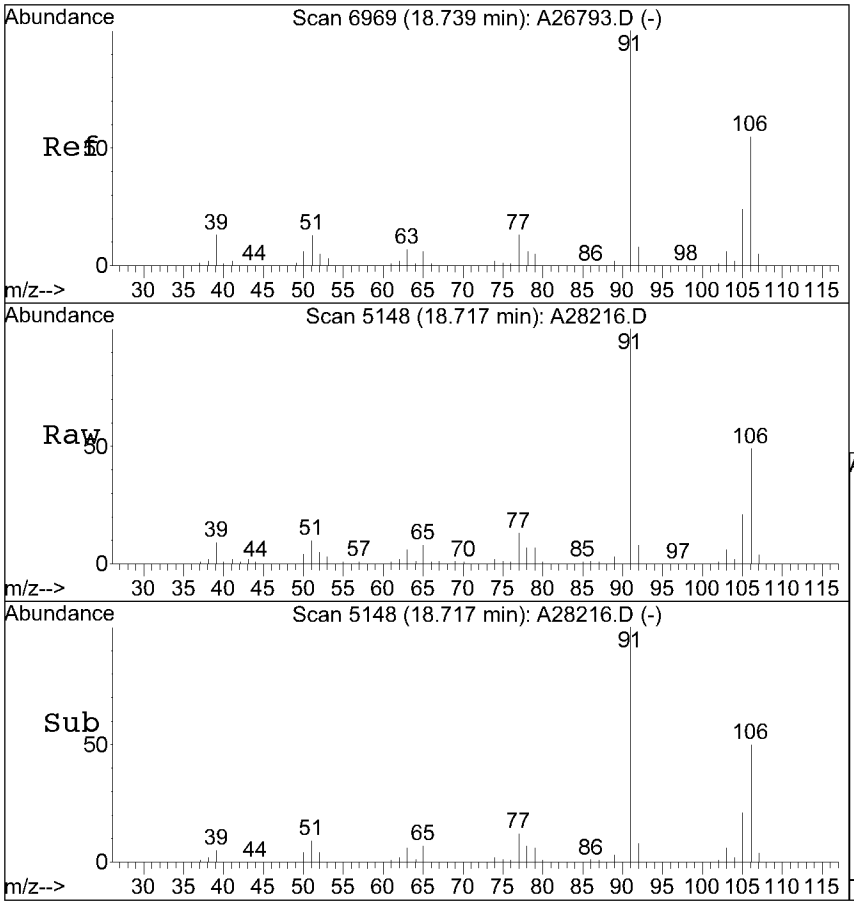


#51
ETHYLBENZENE
Concen: 1.11 PPBv
RT: 18.47 min Scan# 5057
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion: 91 Resp: 1016014

Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.8	38.8

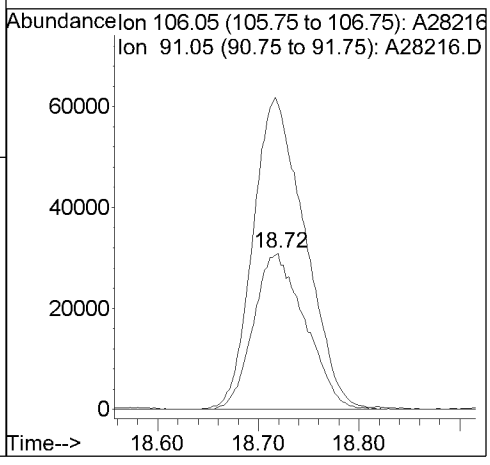


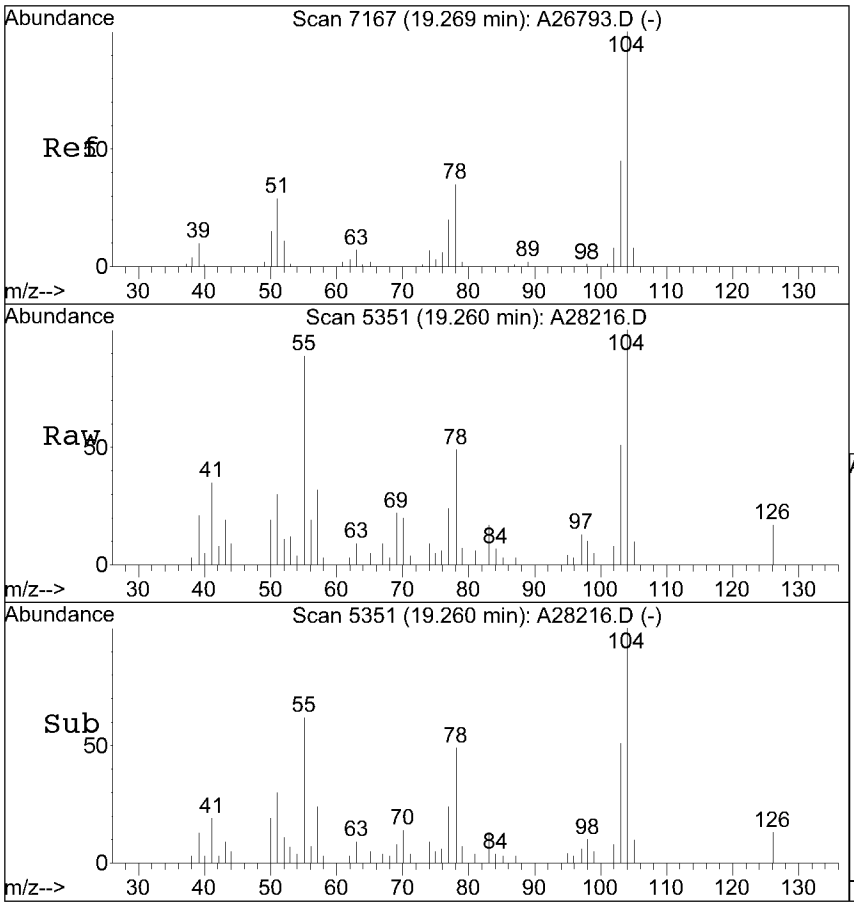


#52
M/P-XYLENE
Concen: 3.10 PPBv
RT: 18.72 min Scan# 5148
Delta R.T. -0.02 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion:106 Resp: 1101989

Ion	Ratio	Lower	Upper
106	100		
91	200.2	155.7	233.5

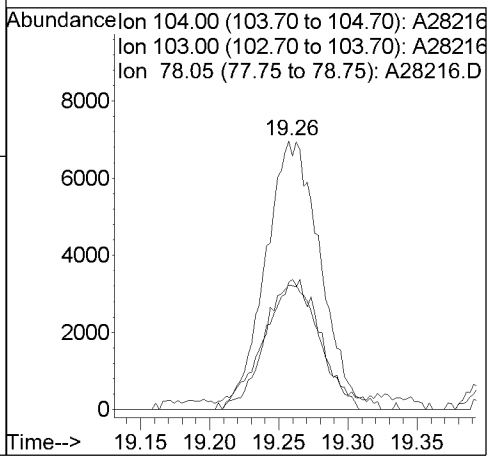


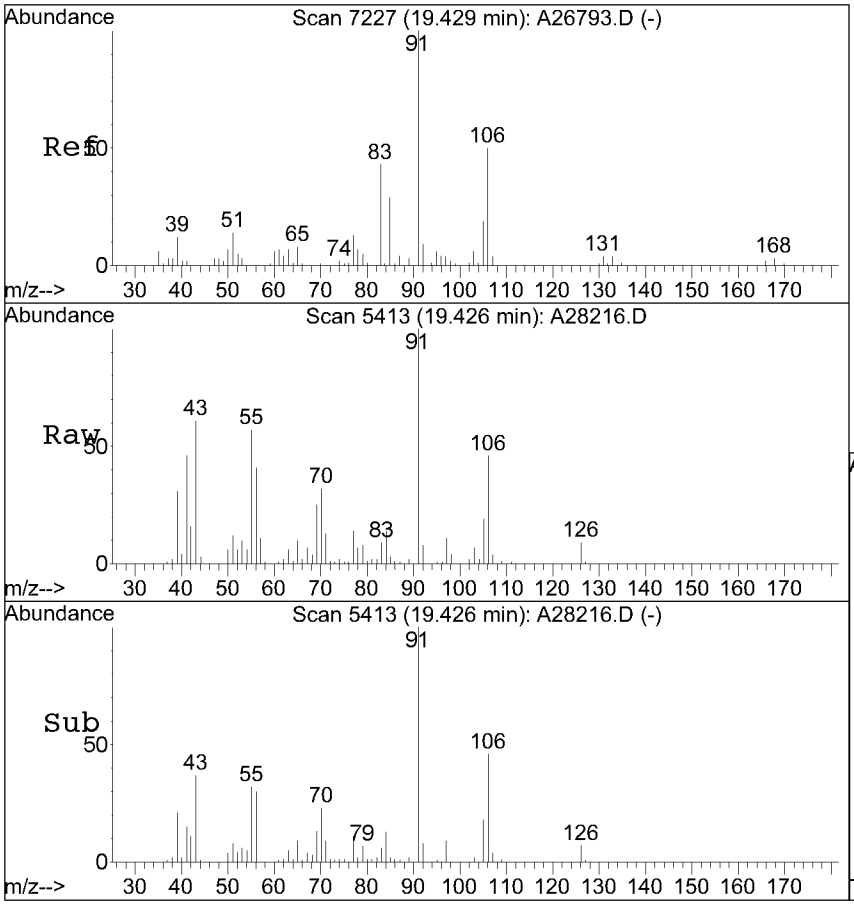


#54
STYRENE
Concen: 0.36 PPBv
RT: 19.26 min Scan# 5351
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion:104 Resp: 191986

Ion	Ratio	Lower	Upper
104	100		
103	47.3	37.6	56.4
78	58.0	37.2	55.8#

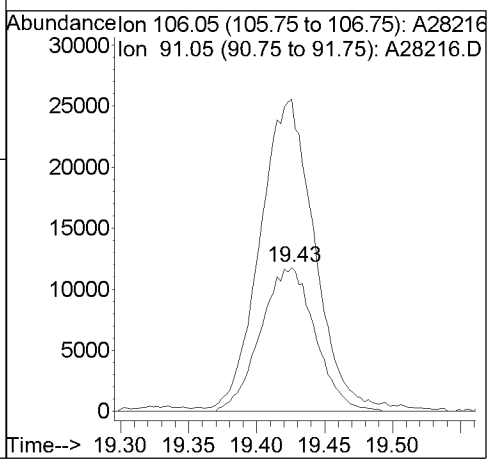


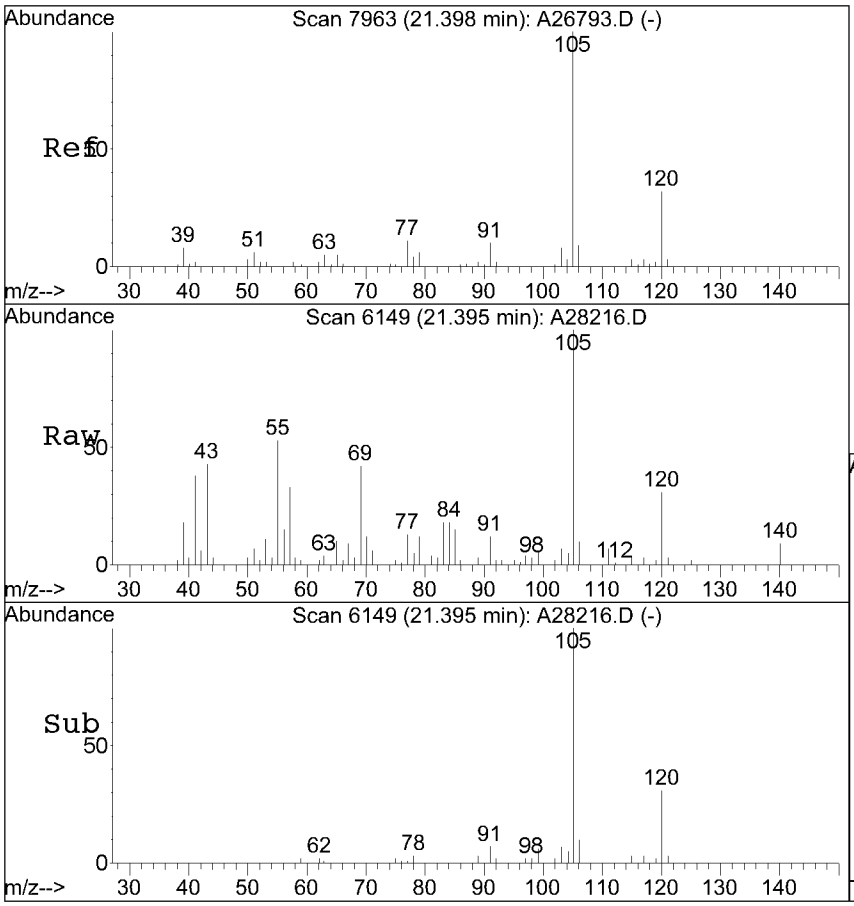


#55
O-XYLENE
Concen: 0.98 PPBv
RT: 19.42 min Scan# 5413
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion:106 Resp: 328924

Ion	Ratio	Lower	Upper
106	100		
91	213.0	169.3	253.9

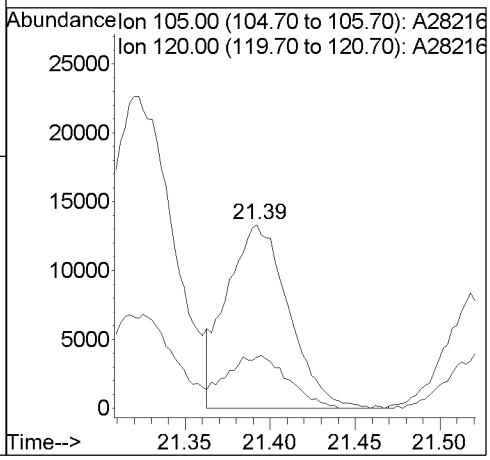


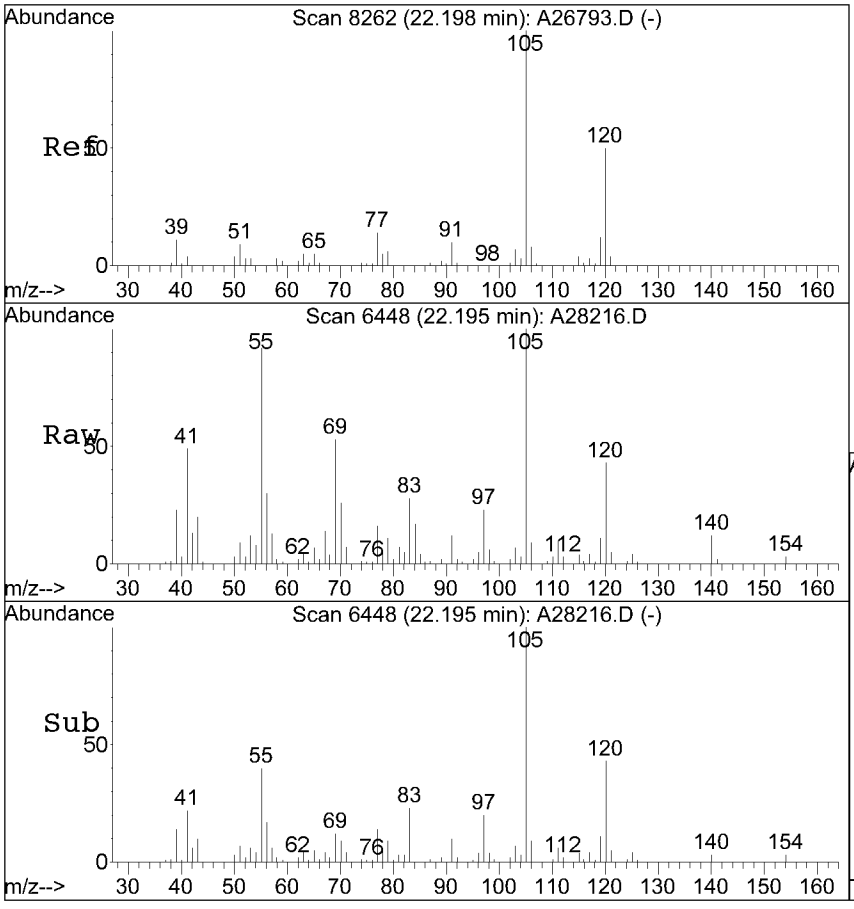


#59
1,3,5-TRIMETHYLBENZENE
Concen: 0.33 PPBv
RT: 21.39 min Scan# 6149
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion:105 Resp: 346739

Ion	Ratio	Lower	Upper
105	100		
120	28.2	22.9	34.3

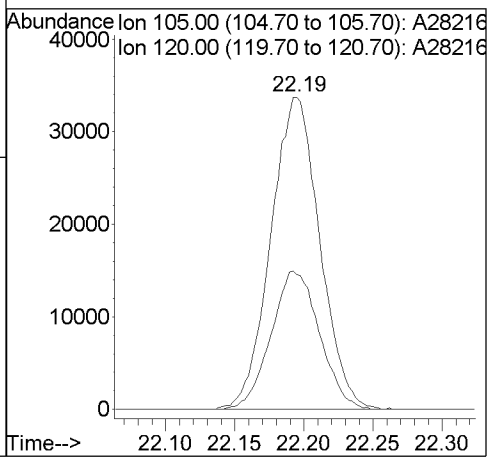




#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.97 PPBv
RT: 22.20 min Scan# 6448
Delta R.T. -0.01 min
Lab File: A28216.D
Acq: 29 Apr 2008 2:30 pm

Tgt Ion:105 Resp: 830608

Ion	Ratio	Lower	Upper
105	100		
120	43.8	35.0	52.4



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28217.D Vial: 3
Acq On : 29 Apr 2008 3:11 pm Operator: WB
Sample : sa77688-03 @ sv2-8 4x to-15 Inst : GCMS Air
Misc : 4 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:28 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

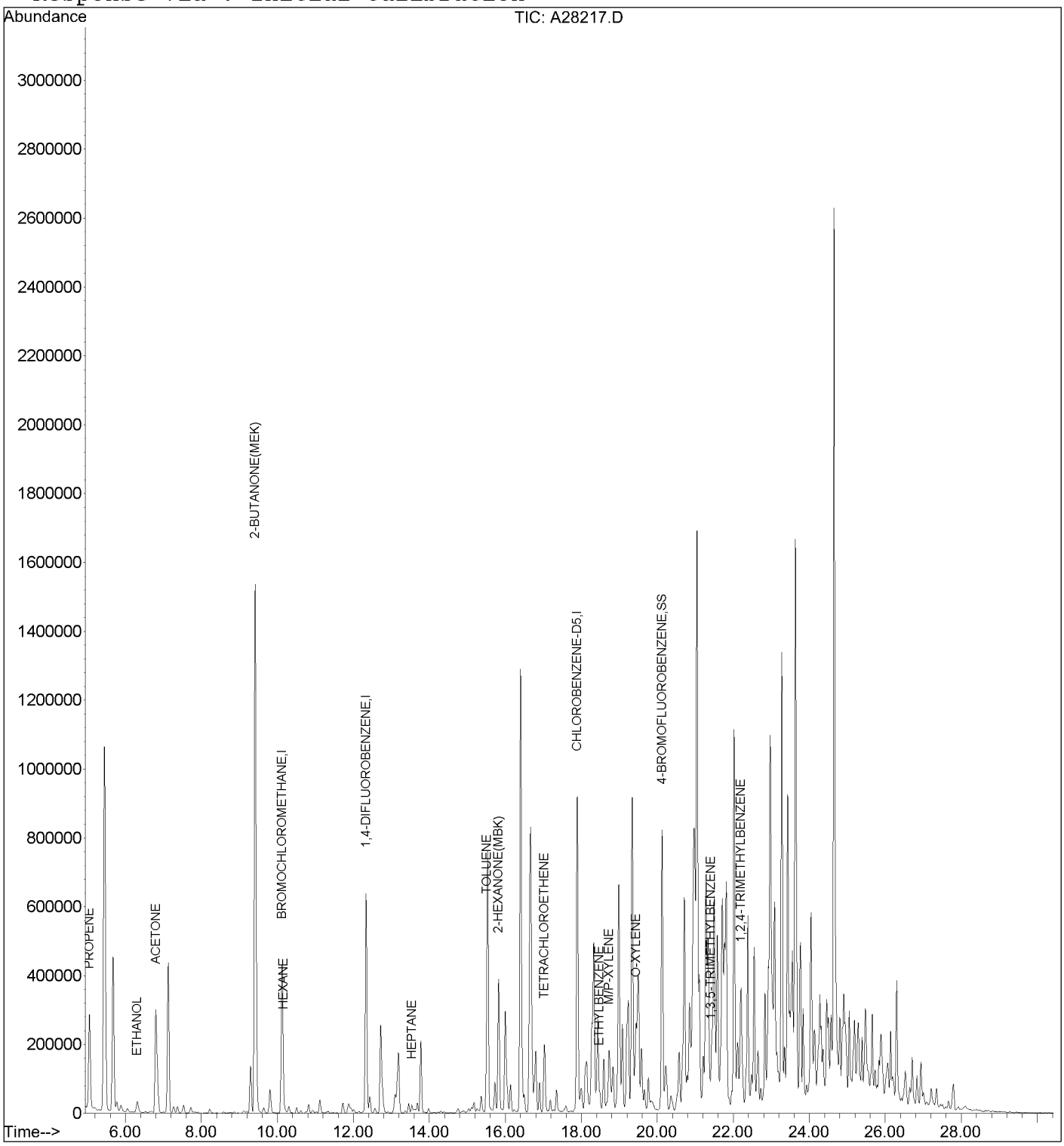
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.12	128	1401938	10.00	PPBv	0.01
33) 1,4-DIFLUOROBENZENE	12.34	114	7310580	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.90	82	3732726	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.13	95	4731400	9.86	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.60%			
Target Compounds						Qvalue
2) PROPENE	5.05	42	1897550	14.64	PPBv	97
10) ACETONE	6.81	58	3083315	41.16	PPBv #	23
12) ETHANOL	6.31	45	664433	12.35	PPBv	98
22) 2-BUTANONE(MEK)	9.41	57	2483961	68.09	PPBv	98
24) HEXANE	10.16	57	211548	0.64	PPBv #	43
38) HEPTANE	13.54	57	93819	0.46	PPBv #	73
43) TOLUENE	15.51	91	1499411	2.20	PPBv	99
44) 2-HEXANONE(MBK)	15.82	58	2152435	9.43	PPBv	96
47) TETRACHLOROETHENE	17.02	166	732597	2.19	PPBv	99
51) ETHYLBENZENE	18.49	91	614281	0.67	PPBv	100
52) M/P-XYLENE	18.73	106	1081491	3.07	PPBv	97
55) O-XYLENE	19.44	106	274172	0.82	PPBv	91
59) 1,3,5-TRIMETHYLBENZENE	21.40	105	412416	0.39	PPBv	97
61) 1,2,4-TRIMETHYLBENZENE	22.21	105	904214	1.06	PPBv	100

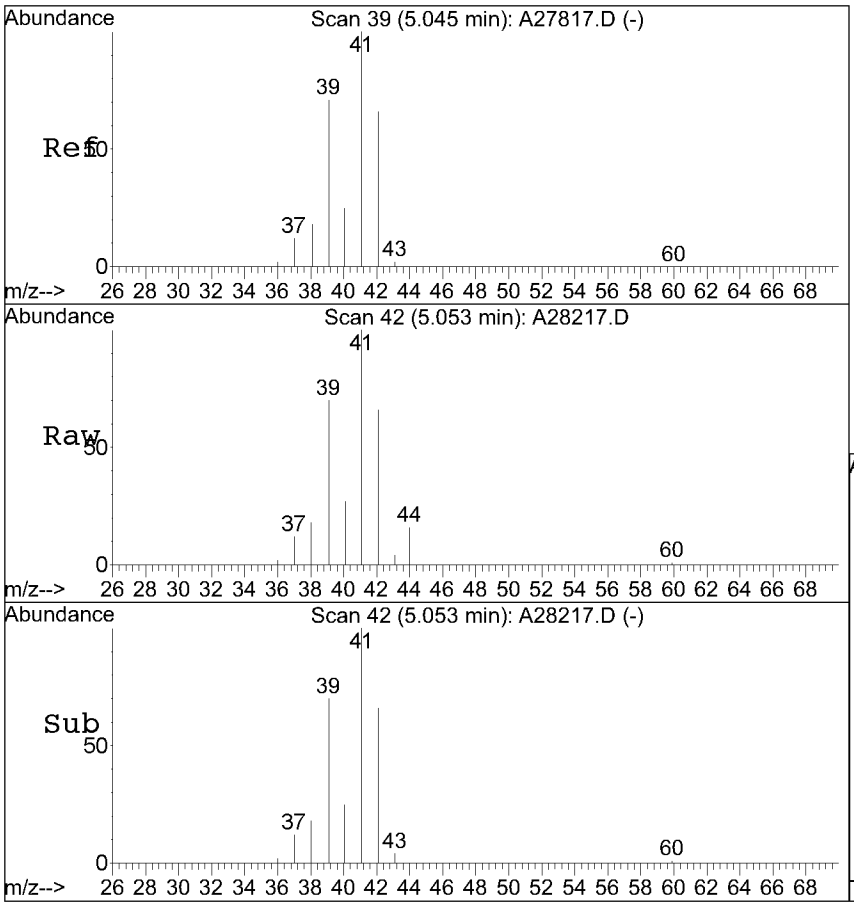
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28217.D Vial: 3
Acq On : 29 Apr 2008 3:11 pm Operator: WB
Sample : sa77688-03 @ sv2-8 4x to-15 Inst : GCMS Air
Misc : 4 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:28 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

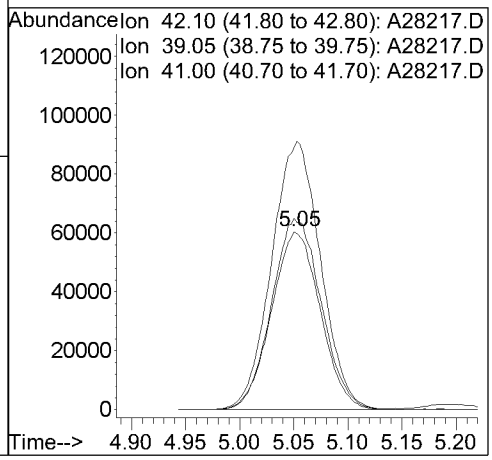


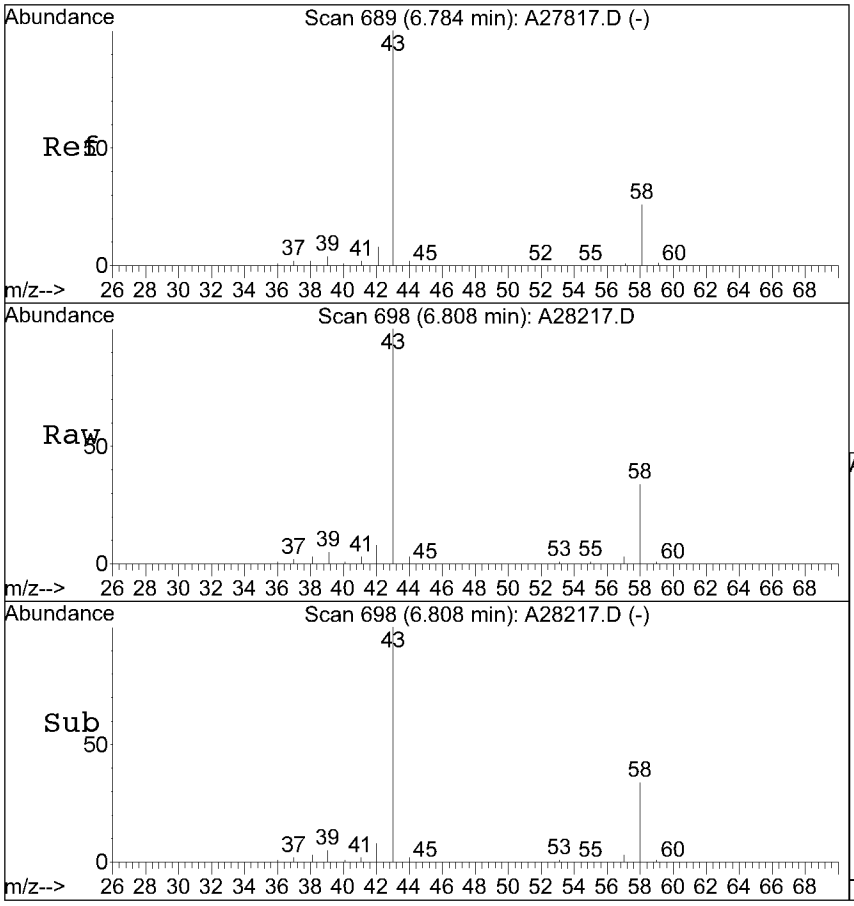


#2
PROPENE
Concen: 14.64 PPBv
RT: 5.05 min Scan# 42
Delta R.T. 0.01 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion: 42 Resp: 1897550

Ion	Ratio	Lower	Upper
42	100		
39	109.0	83.8	125.6
41	151.7	118.4	177.6

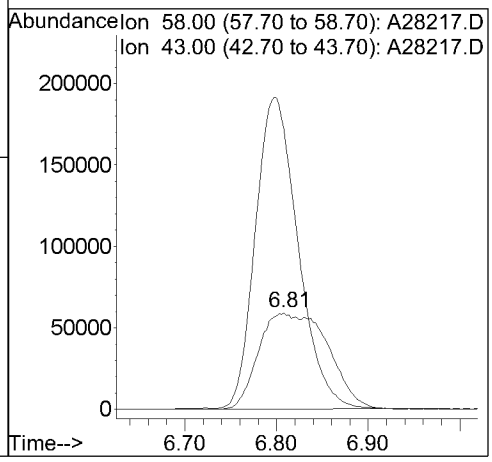


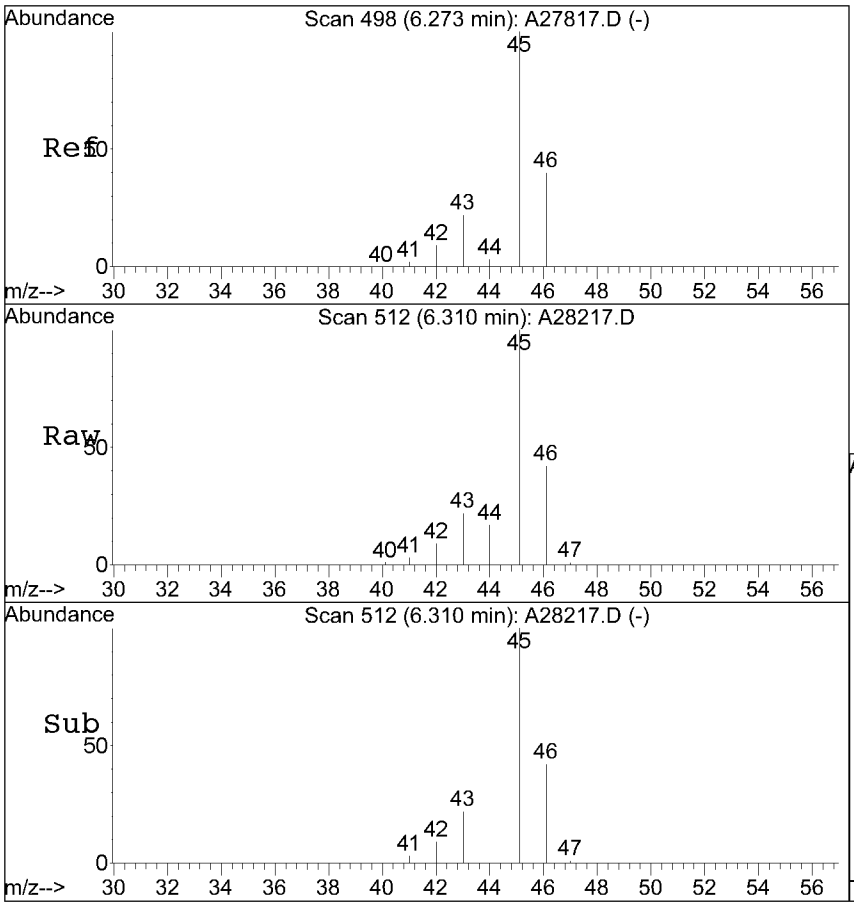


#10
ACETONE
Concen: 41.16 PPBv
RT: 6.81 min Scan# 698
Delta R.T. 0.02 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion: 58 Resp: 3083315

Ion	Ratio	Lower	Upper
58	100		
43	199.5	300.2	450.4#

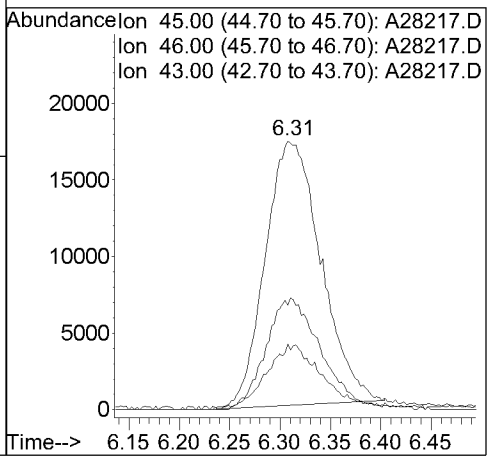


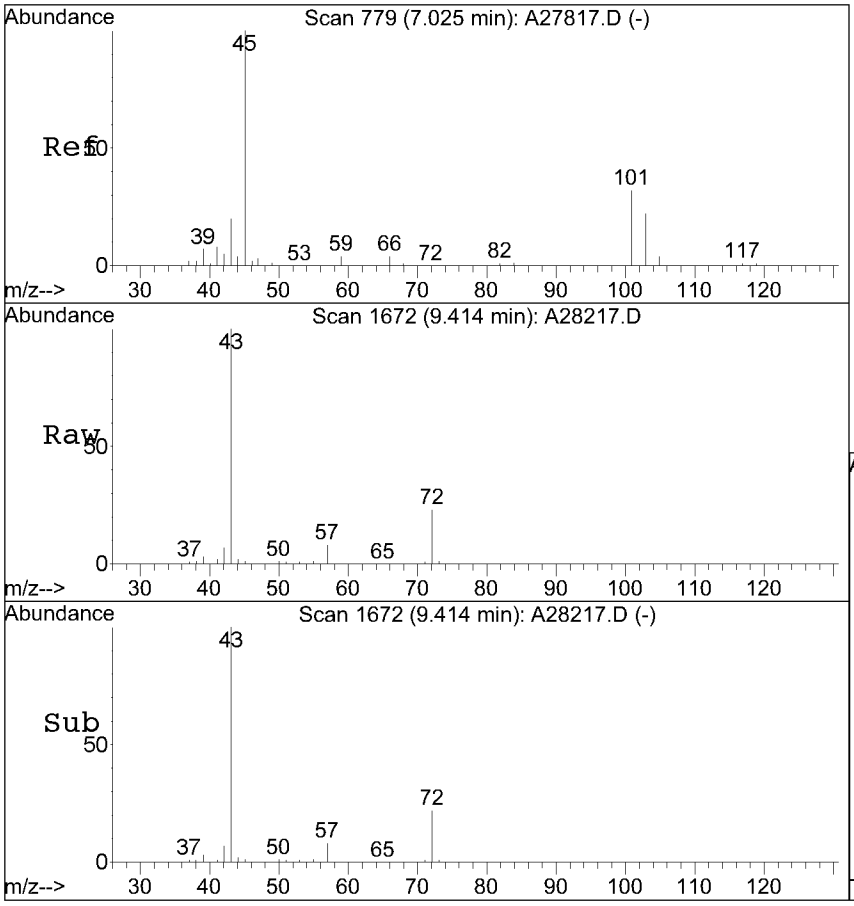


#12
ETHANOL
Concen: 12.35 PPBv
RT: 6.31 min Scan# 512
Delta R.T. 0.04 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion: 45 Resp: 664433

Ion	Ratio	Lower	Upper
45	100		
46	39.9	30.6	46.0
43	23.0	18.0	27.0

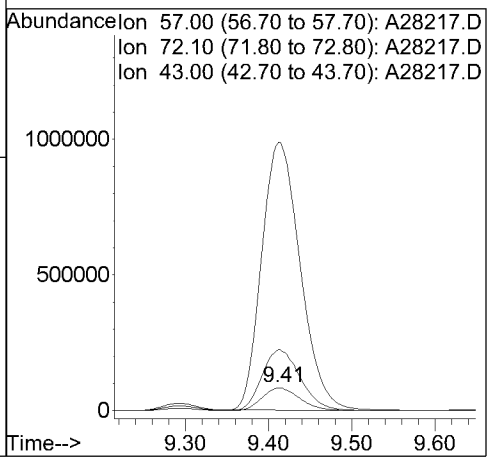


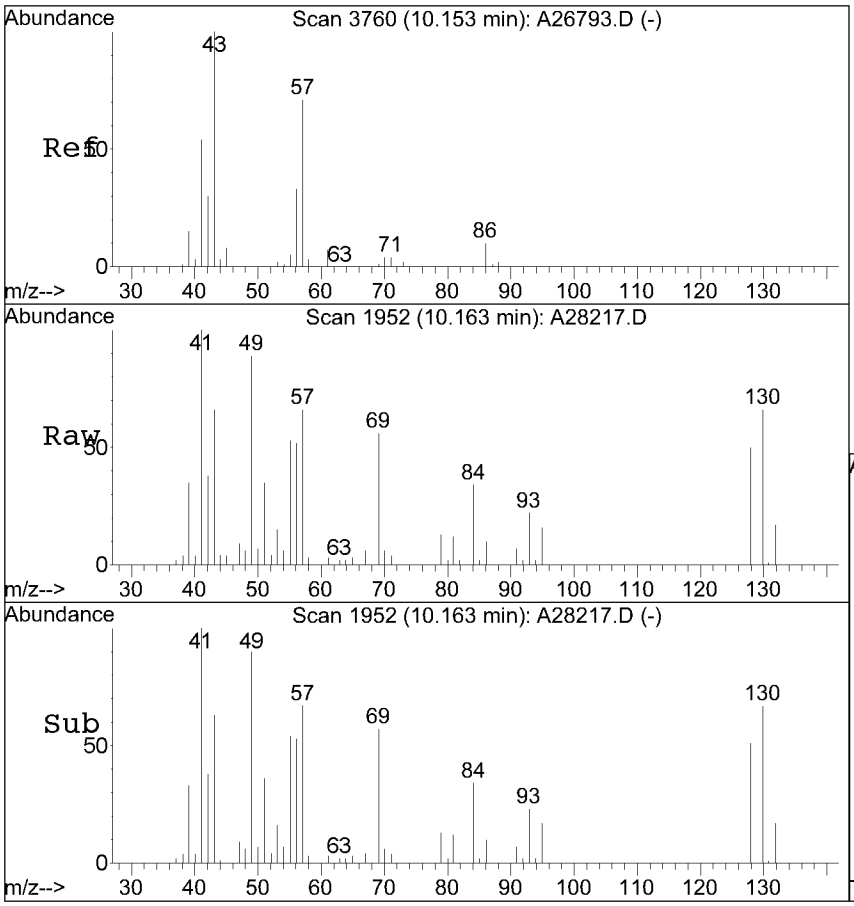


#22
2-BUTANONE(MEK)
Concen: 68.09 PPBv
RT: 9.41 min Scan# 1672
Delta R.T. 0.00 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion: 57 Resp: 2483961

Ion	Ratio	Lower	Upper
57	100		
72	257.5	222.2	333.4
43	1235.9	987.4	1481.0

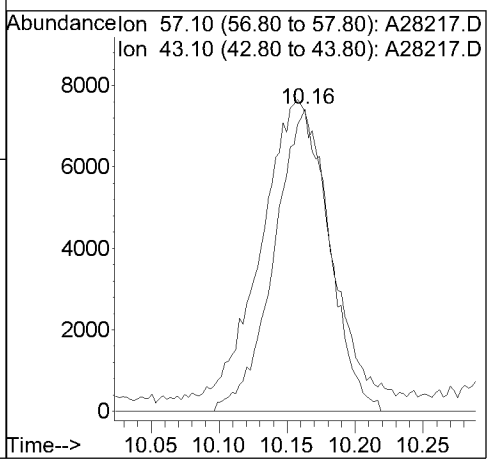


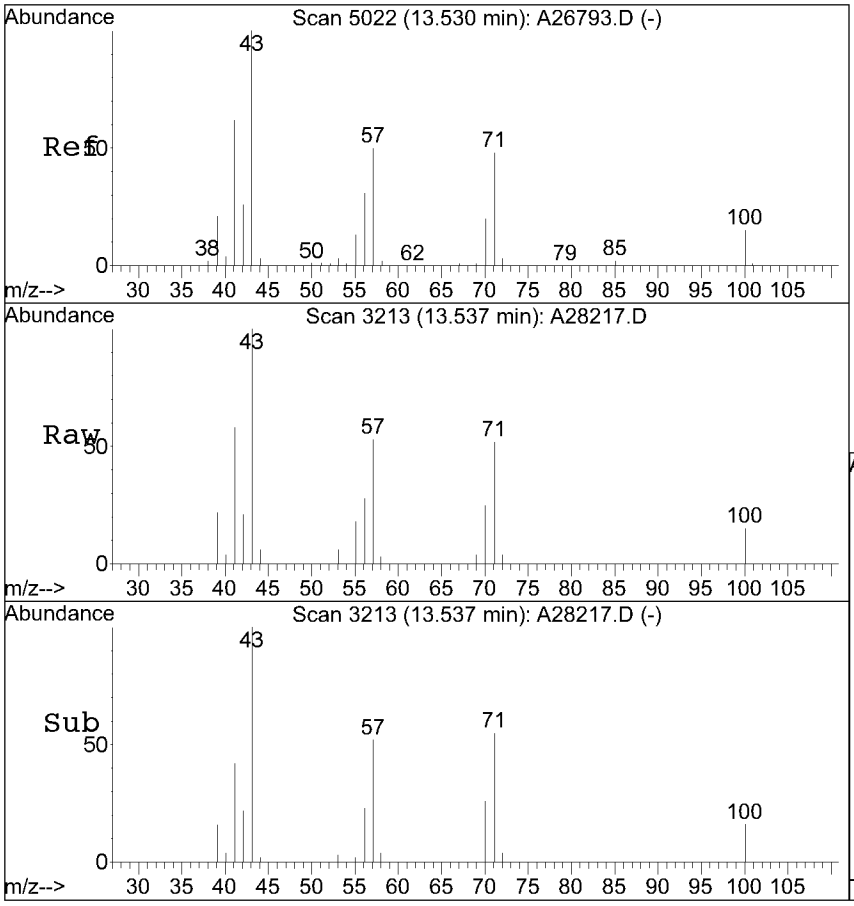


#24
HEXANE
Concen: 0.64 PPBv
RT: 10.16 min Scan# 1952
Delta R.T. 0.01 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion: 57 Resp: 211548

Ion	Ratio	Lower	Upper
57	100		
43	117.2	163.9	245.9#

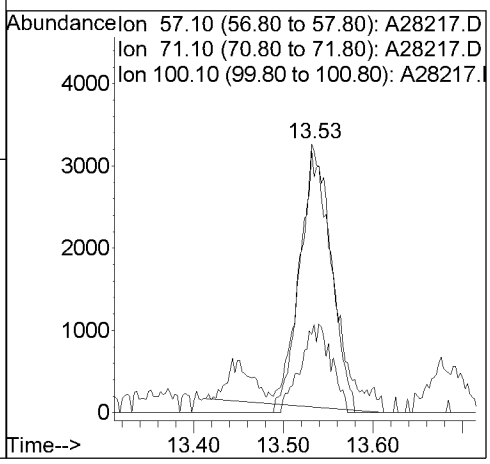


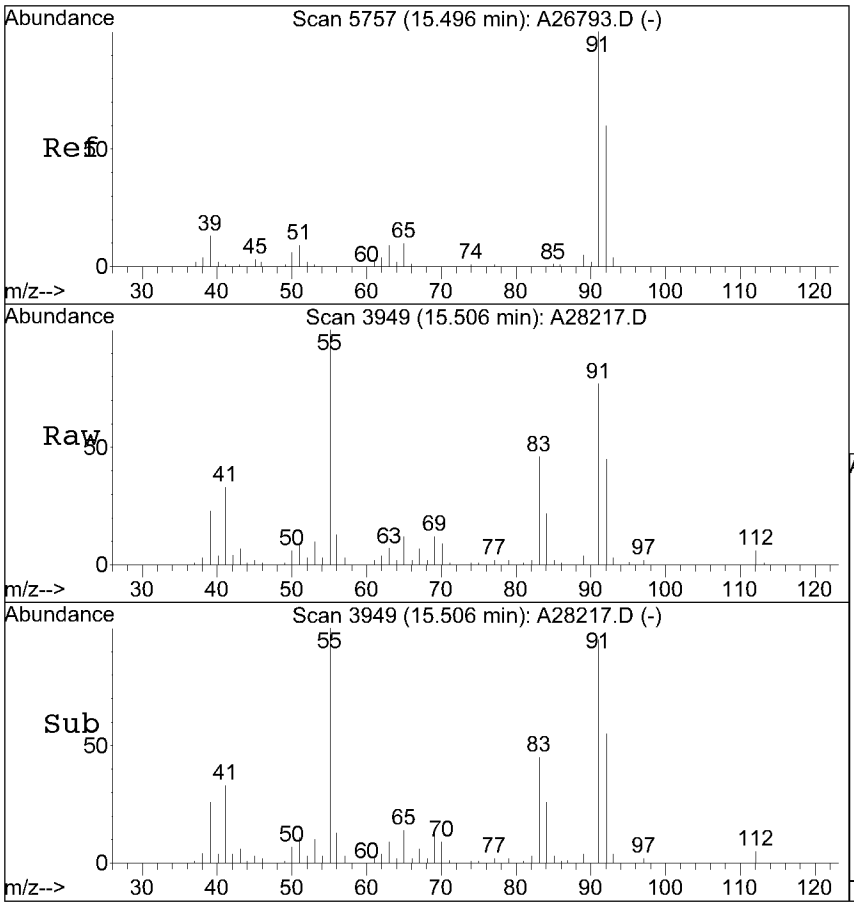


#38
HEPTANE
Concen: 0.46 PPBv
RT: 13.54 min Scan# 3213
Delta R.T. 0.00 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion: 57 Resp: 93819

Ion	Ratio	Lower	Upper
57	100		
71	82.3	79.0	118.4
100	0.0	25.8	38.8#

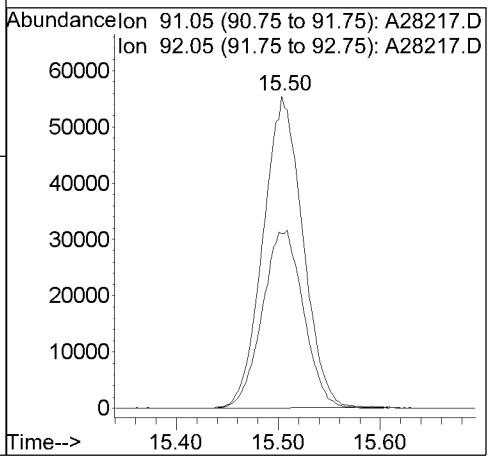


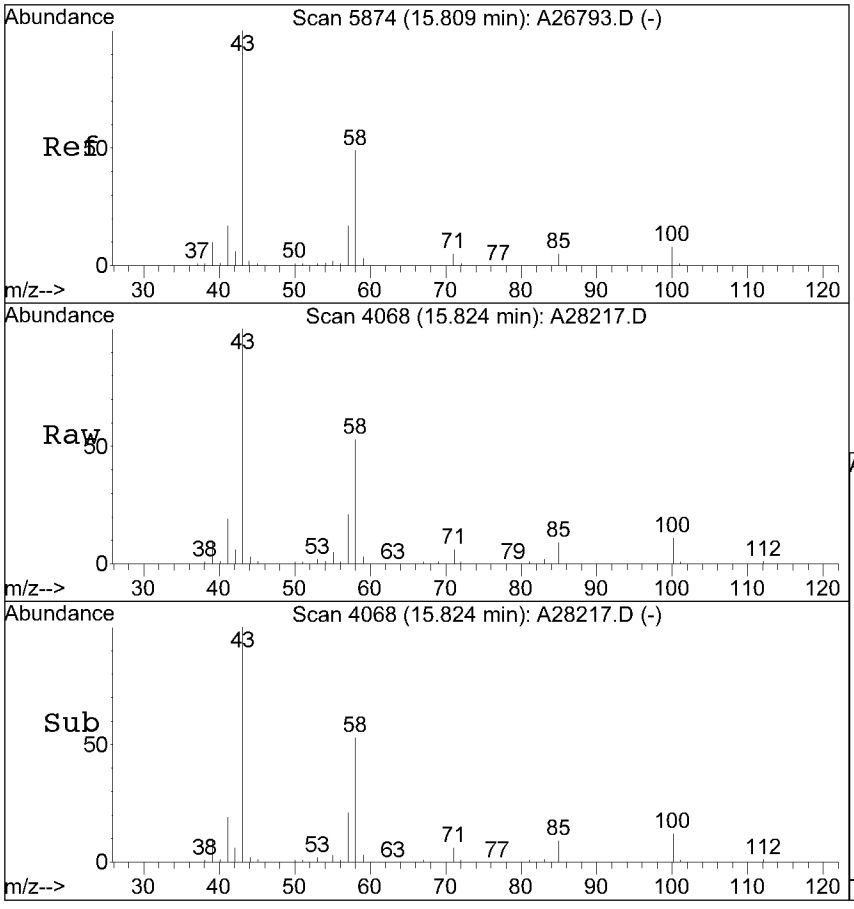


#43
TOLUENE
Concen: 2.20 PPBv
RT: 15.51 min Scan# 3949
Delta R.T. 0.00 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion: 91 Resp: 1499411

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.1	72.1

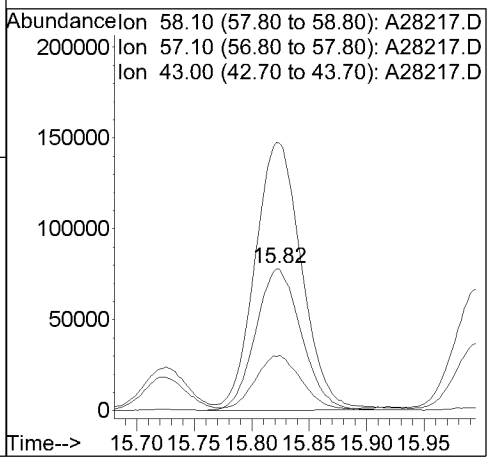


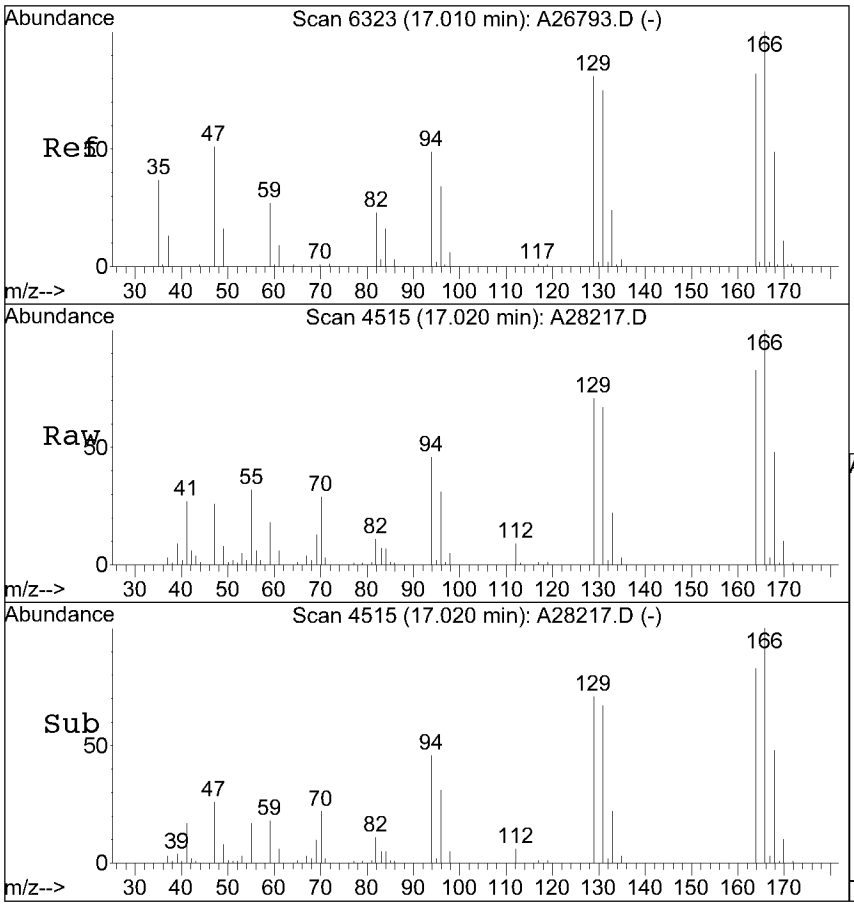


#44
2-HEXANONE(MBK)
Concen: 9.43 PPBv
RT: 15.82 min Scan# 4068
Delta R.T. 0.01 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion: 58 Resp: 2152435

Ion	Ratio	Lower	Upper
58	100		
57	36.1	31.0	46.4
43	184.1	151.5	227.3

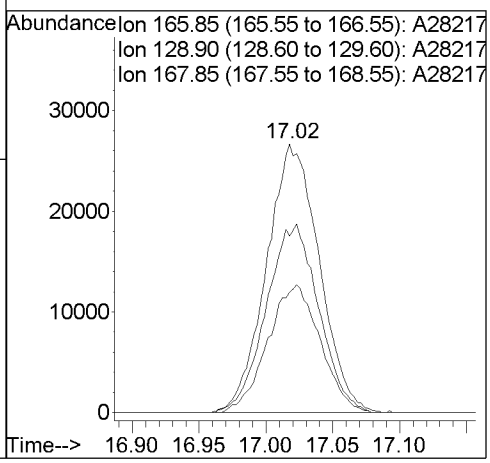


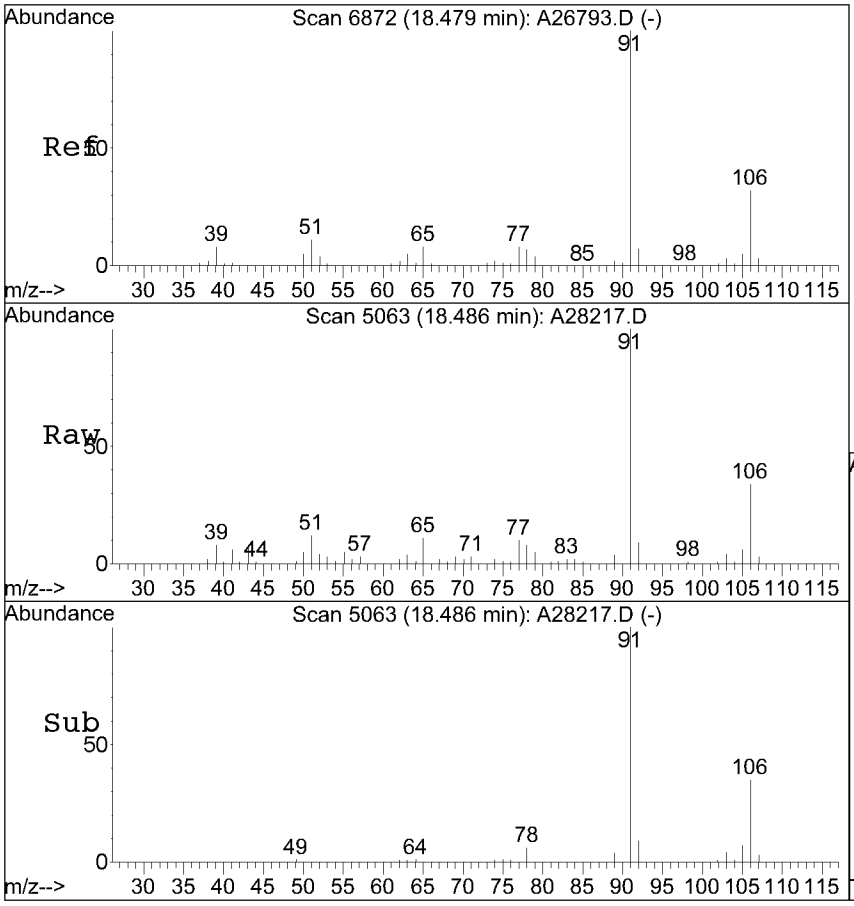


#47
TETRACHLOROETHENE
Concen: 2.19 PPBv
RT: 17.02 min Scan# 4515
Delta R.T. 0.00 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion:166 Resp: 732597

Ion	Ratio	Lower	Upper
166	100		
129	69.8	56.6	84.8
168	47.4	38.0	57.0

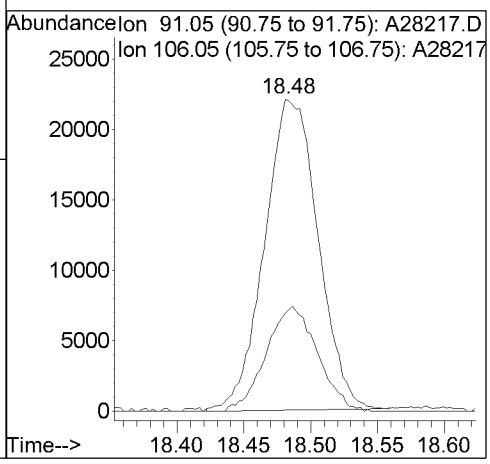


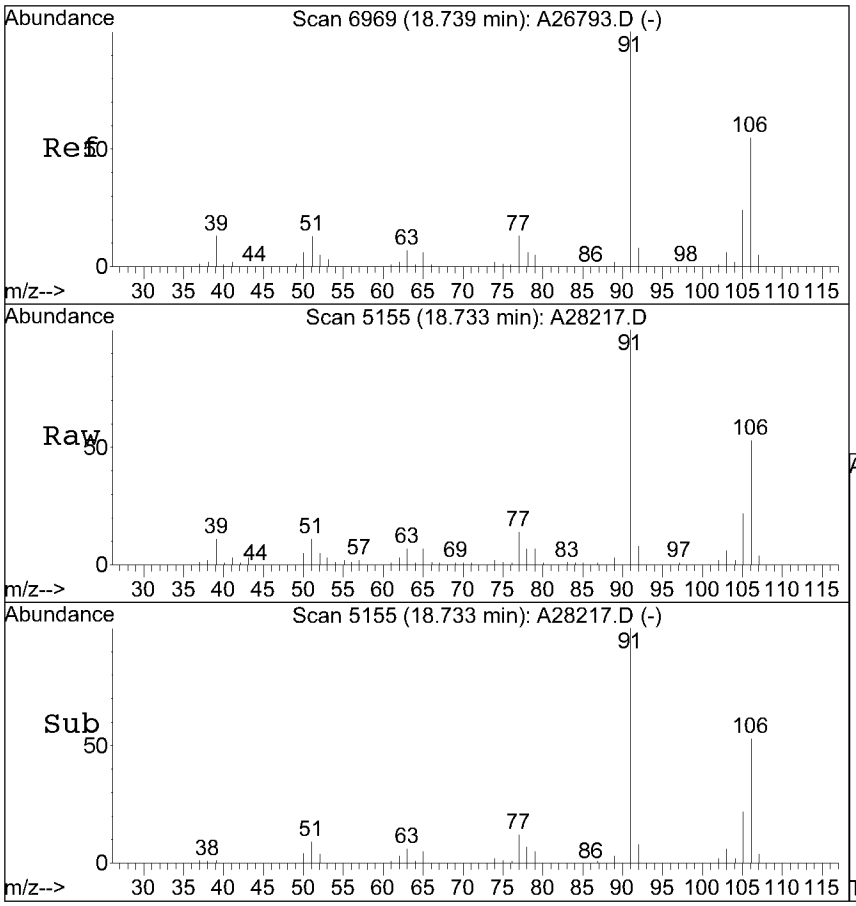


#51
ETHYLBENZENE
Concen: 0.67 PPBv
RT: 18.49 min Scan# 5063
Delta R.T. 0.00 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion: 91 Resp: 614281

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.8	38.8

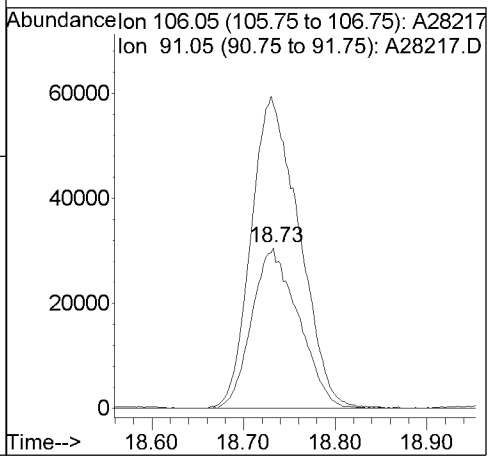


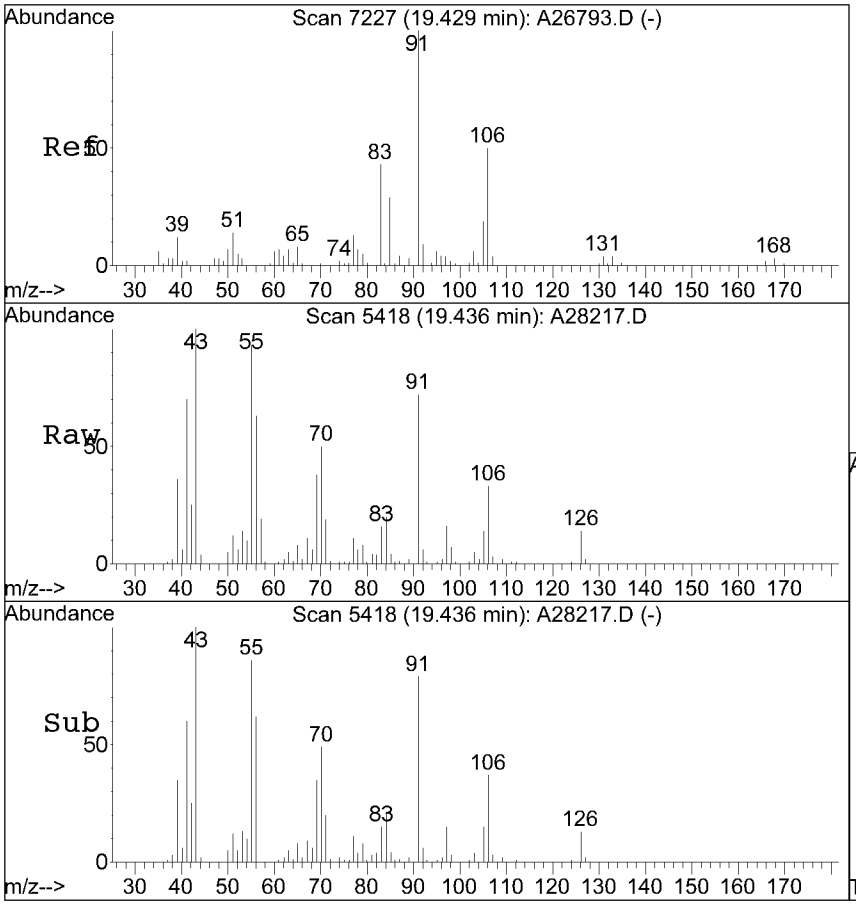


#52
M/P-XYLENE
Concen: 3.07 PPBv
RT: 18.73 min Scan# 5155
Delta R.T. -0.01 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion:106 Resp: 1081491

Ion	Ratio	Lower	Upper
106	100		
91	199.3	155.7	233.5

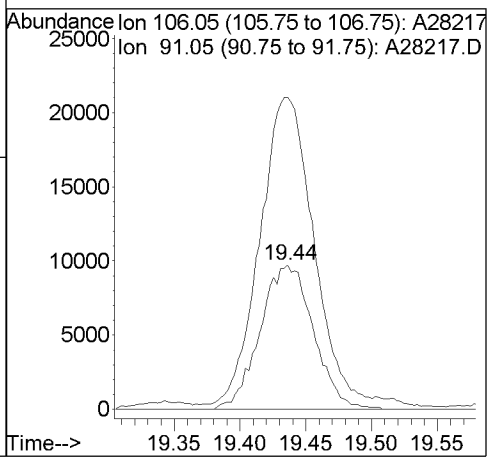


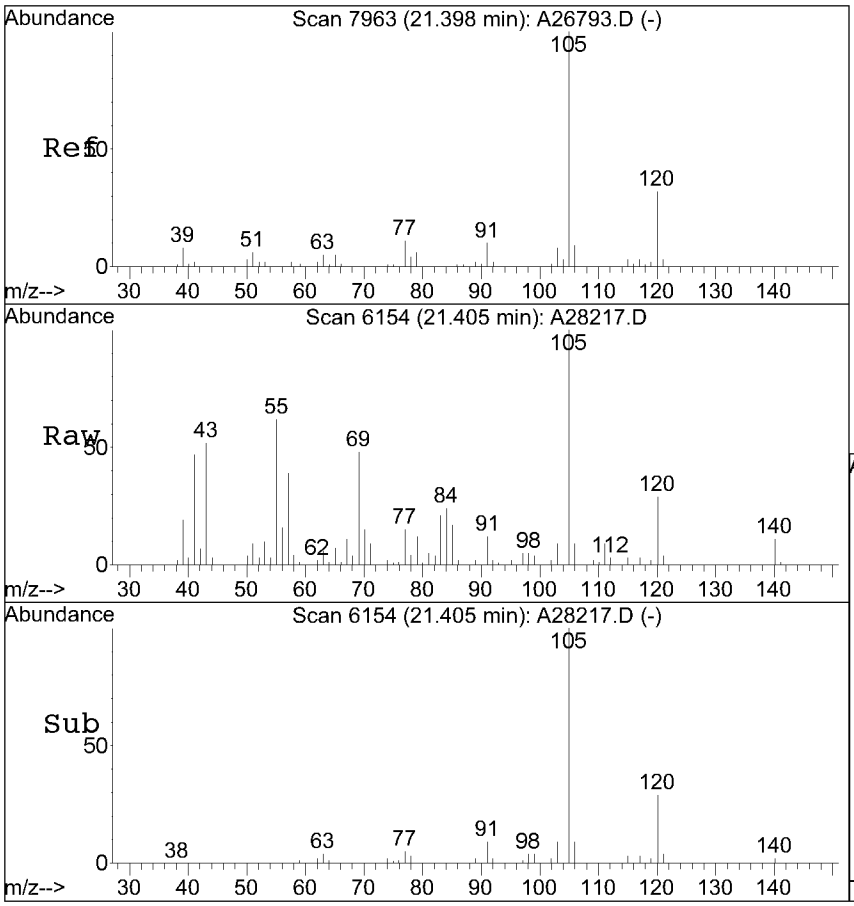


#55
O-XYLENE
Concen: 0.82 PPBv
RT: 19.44 min Scan# 5418
Delta R.T. 0.00 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion:106 Resp: 274172

Ion	Ratio	Lower	Upper
106	100		
91	226.5	169.3	253.9

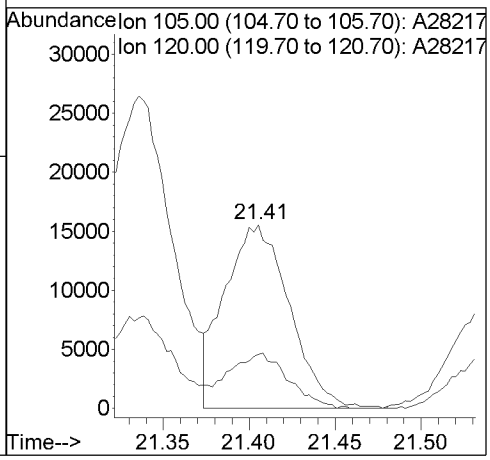


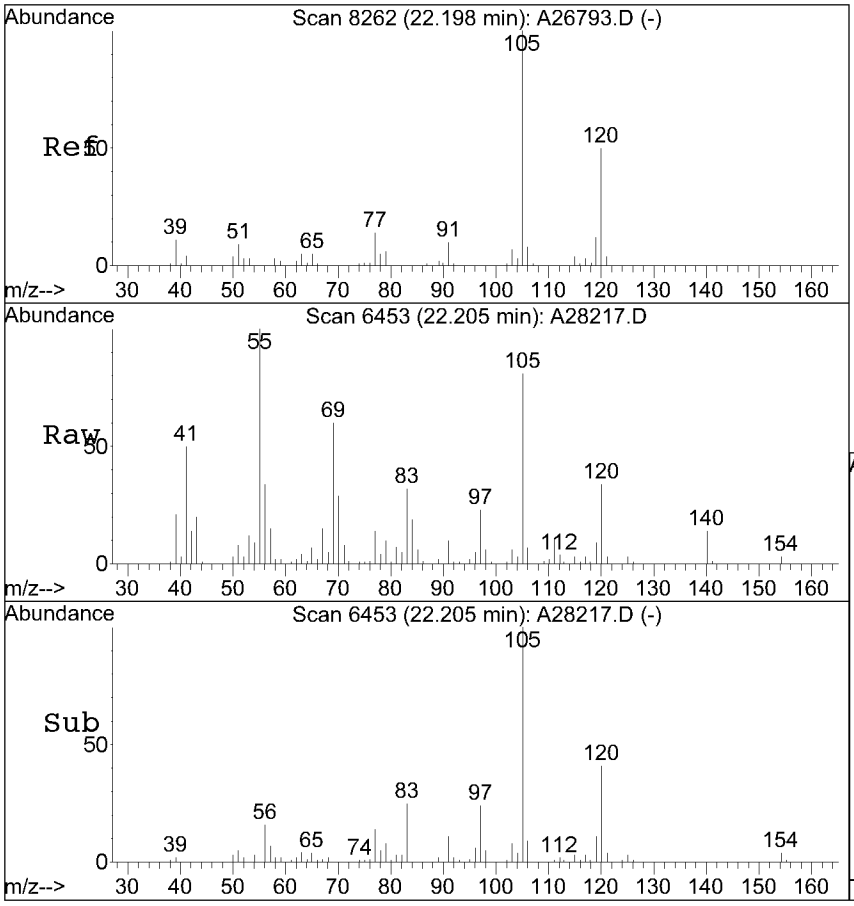


#59
1,3,5-TRIMETHYLBENZENE
Concen: 0.39 PPBv
RT: 21.40 min Scan# 6154
Delta R.T. 0.00 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion:105 Resp: 412416

Ion	Ratio	Lower	Upper
105	100		
120	27.1	22.9	34.3

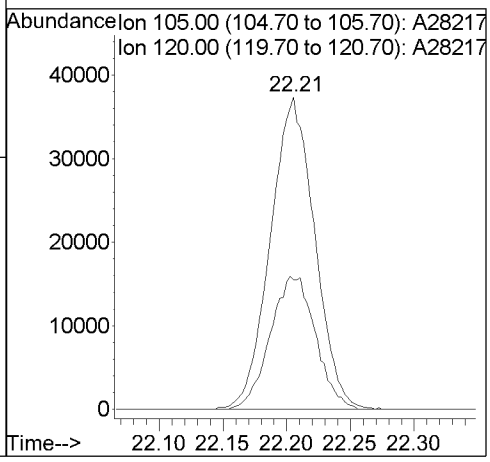




#61
1,2,4-TRIMETHYLBENZENE
Concen: 1.06 PPBv
RT: 22.21 min Scan# 6453
Delta R.T. 0.00 min
Lab File: A28217.D
Acq: 29 Apr 2008 3:11 pm

Tgt Ion:105 Resp: 904214

Ion	Ratio	Lower	Upper
105	100		
120	43.5	35.0	52.4



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28218.D Vial: 4
Acq On : 29 Apr 2008 3:52 pm Operator: WB
Sample : sa77688-04 @ sv2-55 4x to-15 Inst : GCMS Air
Misc : 4 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:35 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

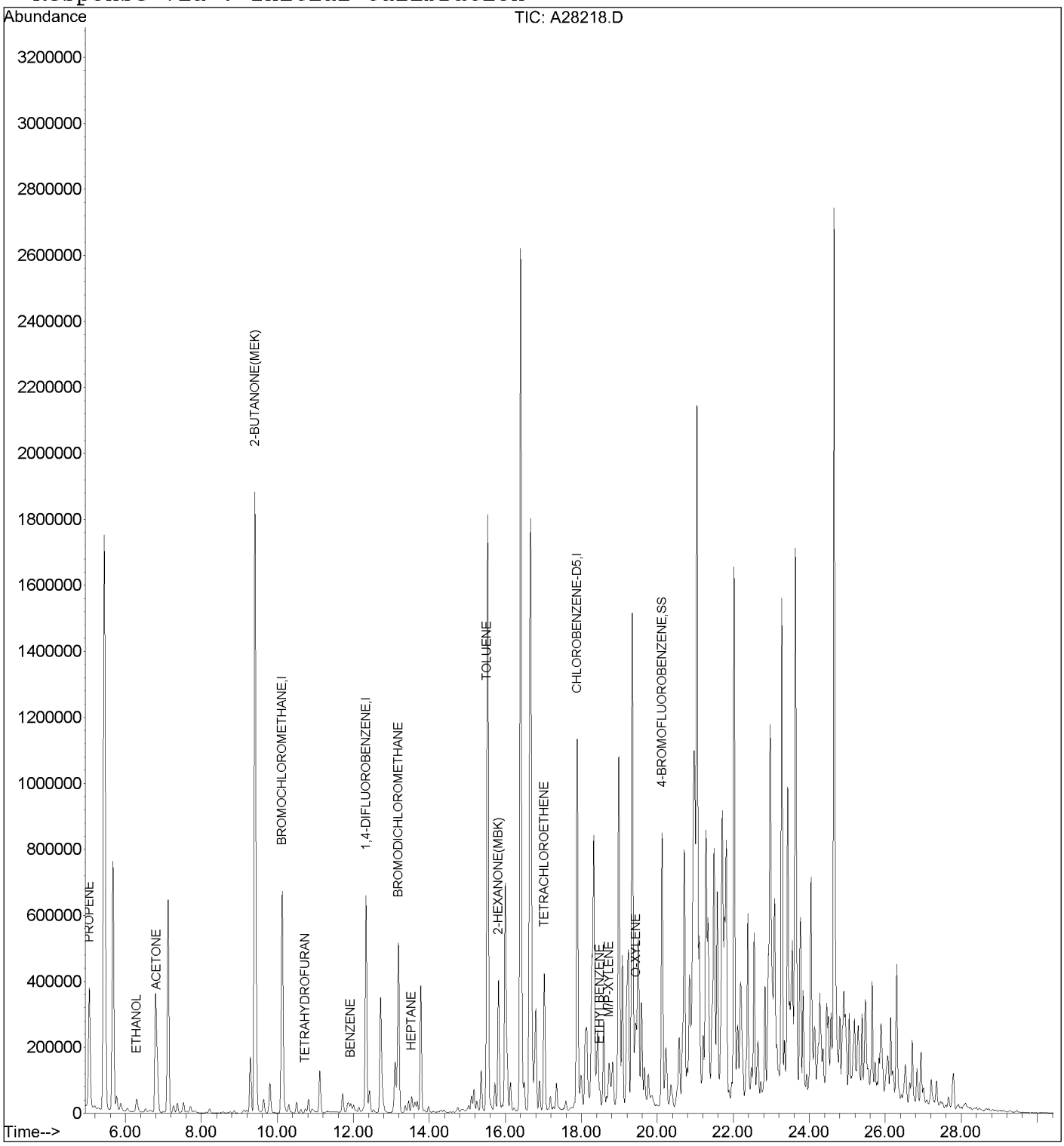
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.12	128	1400682	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.33	114	7382124	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.89	82	3808187	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.13	95	4811365	9.83	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.30%			
Target Compounds						Qvalue
2) PROPENE	5.05	42	2474926	19.11	PPBv	96
10) ACETONE	6.83	58	4063776	54.30	PPBv #	1
12) ETHANOL	6.30	45	795637	14.81	PPBv	98
22) 2-BUTANONE(MEK)	9.41	57	2850112	78.20	PPBv	86
27) TETRAHYDROFURAN	10.73	71	49469	0.57	PPBv #	68
30) BENZENE	11.94	78	308511	0.52	PPBv	100
35) BROMODICHLOROMETHANE	13.19	83	157456	0.39	PPBv #	24
38) HEPTANE	13.54	57	158652	0.77	PPBv	97
43) TOLUENE	15.50	91	2127716	3.10	PPBv	99
44) 2-HEXANONE(MBK)	15.82	58	2043214	8.86	PPBv	96
47) TETRACHLOROETHENE	17.02	166	1800389	5.33	PPBv	99
51) ETHYLBENZENE	18.49	91	544273	0.59	PPBv	99
52) M/P-XYLENE	18.73	106	819094	2.28	PPBv	96
55) O-XYLENE	19.44	106	194229	0.57	PPBv	85

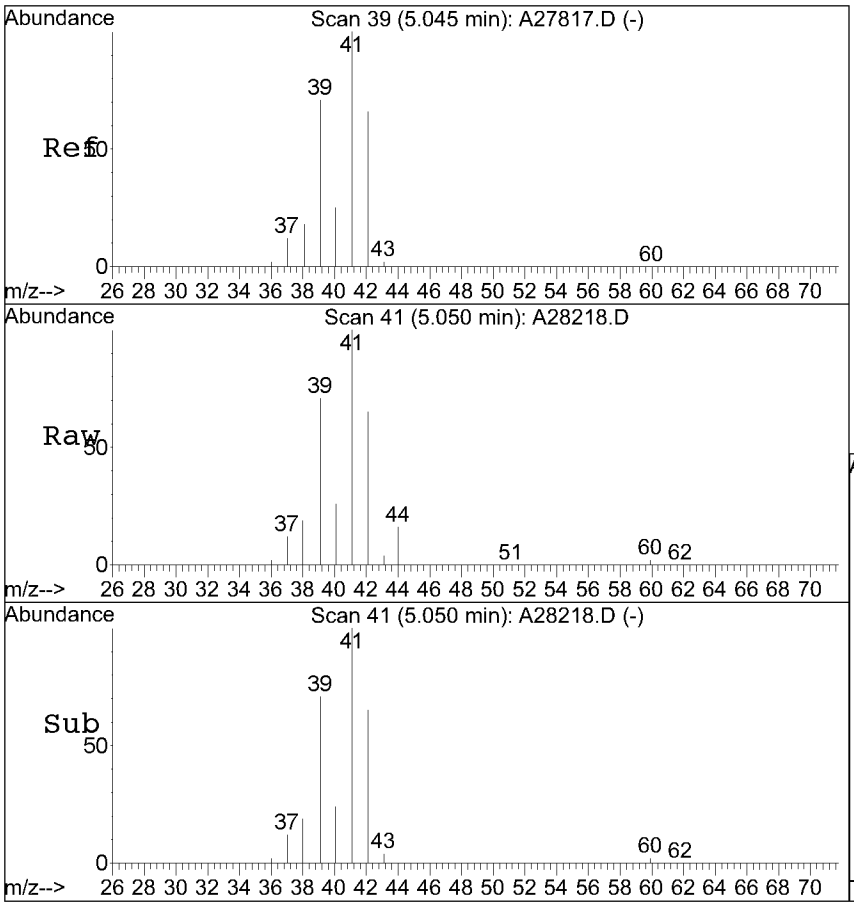
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28218.D Vial: 4
Acq On : 29 Apr 2008 3:52 pm Operator: WB
Sample : sa77688-04 @ sv2-55 4x to-15 Inst : GCMS Air
Misc : 4 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:35 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

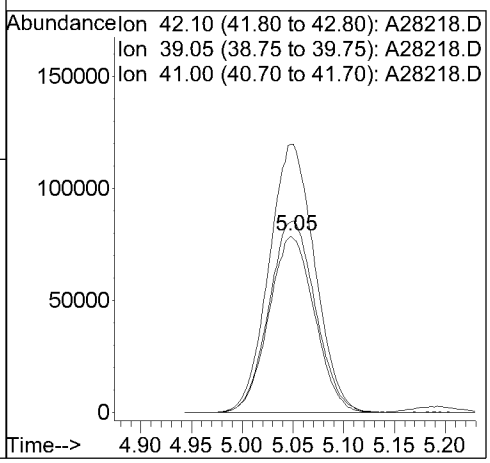


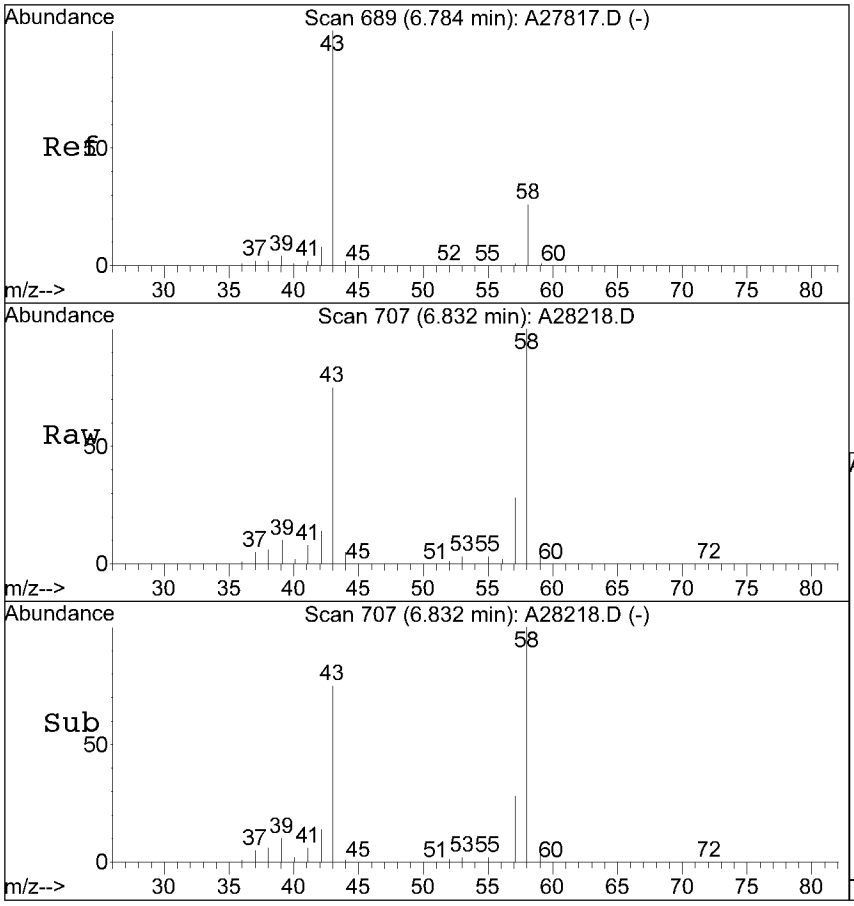


#2
PROPENE
Concen: 19.11 PPBv
RT: 5.05 min Scan# 41
Delta R.T. 0.00 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 42 Resp: 2474926

Ion	Ratio	Lower	Upper
42	100		
39	110.1	83.8	125.6
41	152.3	118.4	177.6

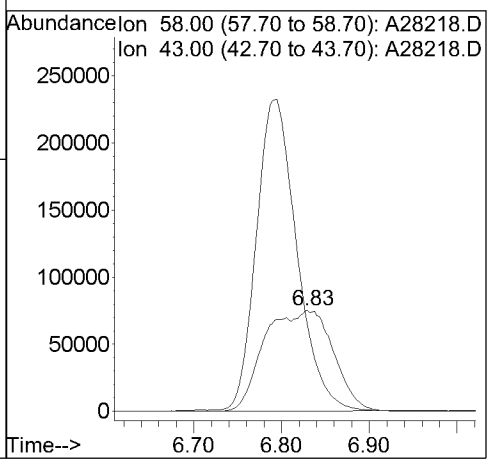


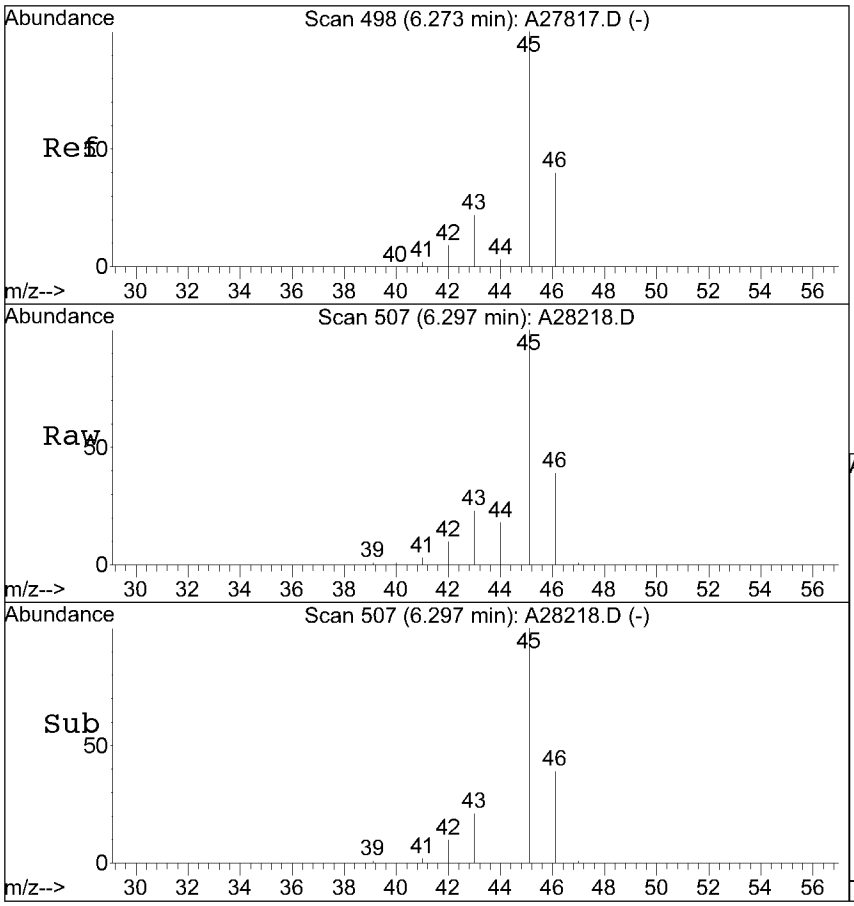


#10
ACETONE
Concen: 54.30 PPBv
RT: 6.83 min Scan# 707
Delta R.T. 0.04 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 58 Resp: 4063776

Ion	Ratio	Lower	Upper
58	100		
43	0.0	300.2	450.4#

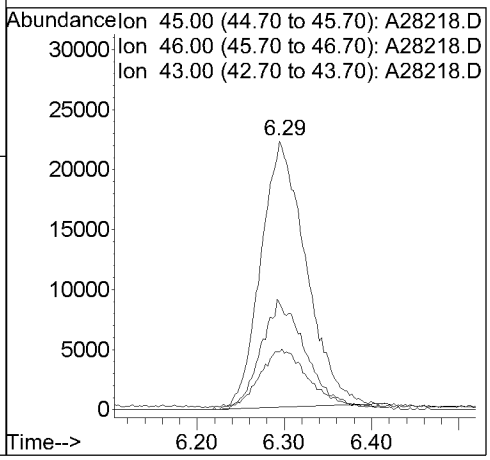


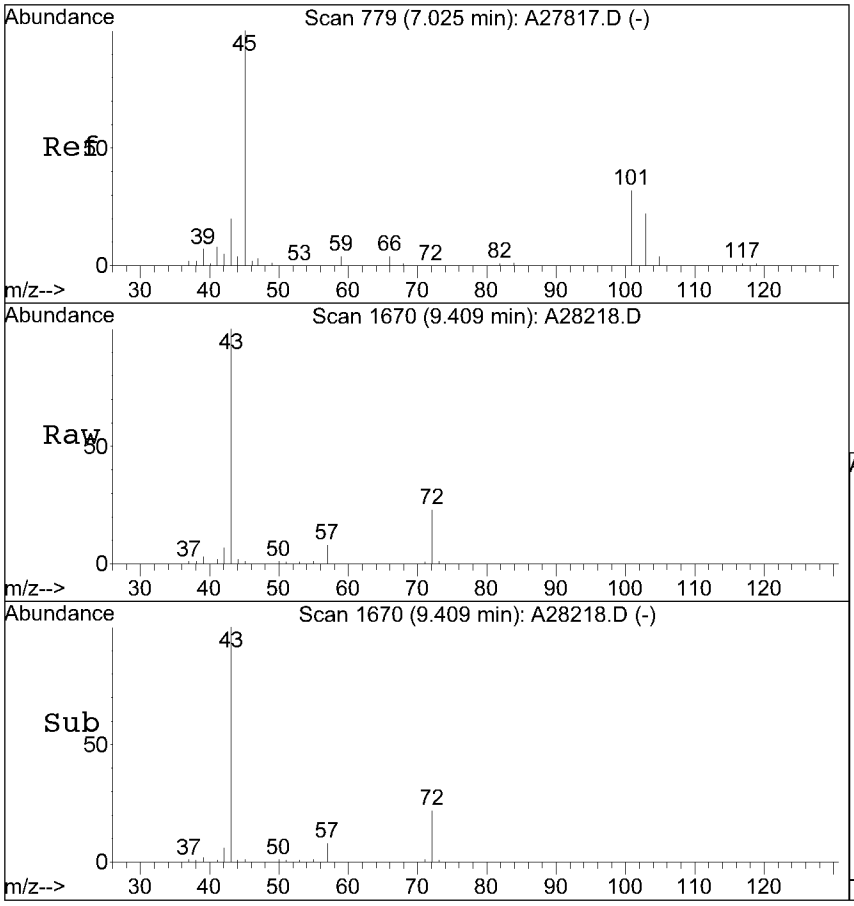


#12
ETHANOL
Concen: 14.81 PPBv
RT: 6.30 min Scan# 507
Delta R.T. 0.02 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 45 Resp: 795637

Ion	Ratio	Lower	Upper
45	100		
46	40.1	30.6	46.0
43	22.5	18.0	27.0

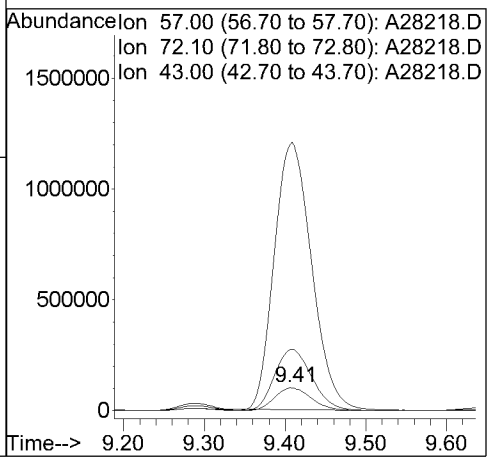


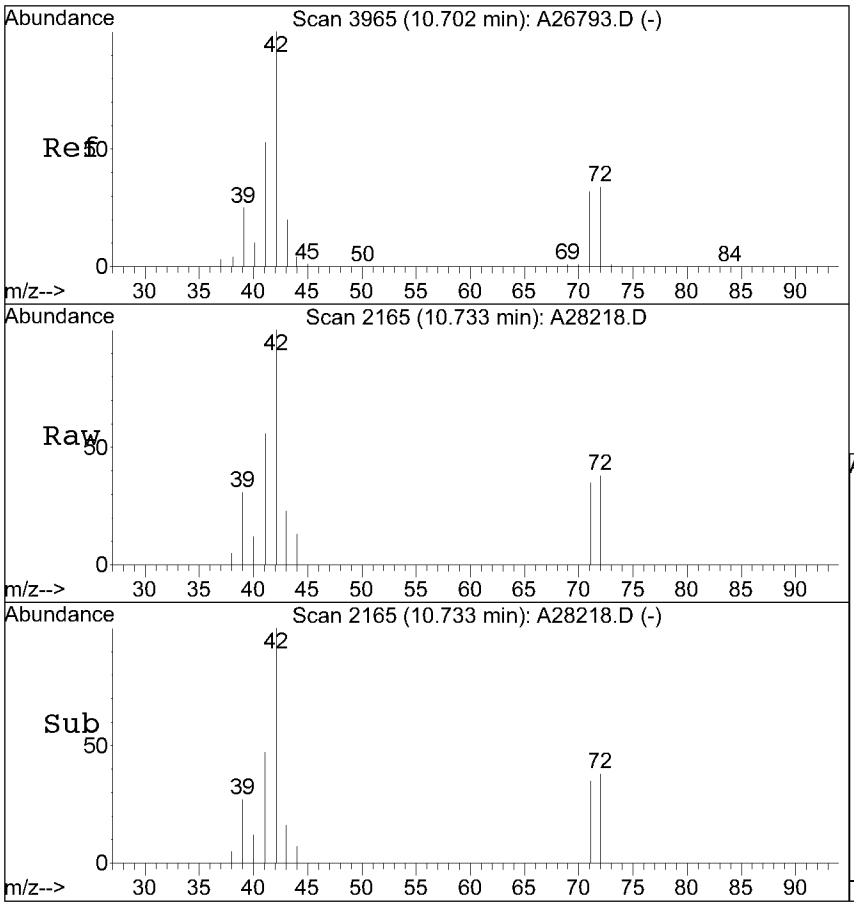


#22
2-BUTANONE(MEK)
Concen: 78.20 PPBv
RT: 9.41 min Scan# 1670
Delta R.T. -0.00 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 57 Resp: 2850112

Ion	Ratio	Lower	Upper
57	100		
72	276.9	222.2	333.4
43	1322.1	987.4	1481.0

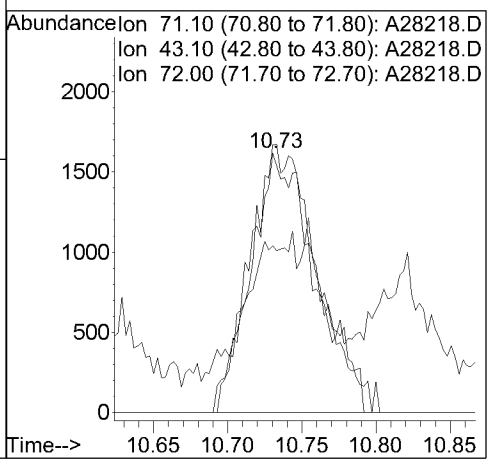


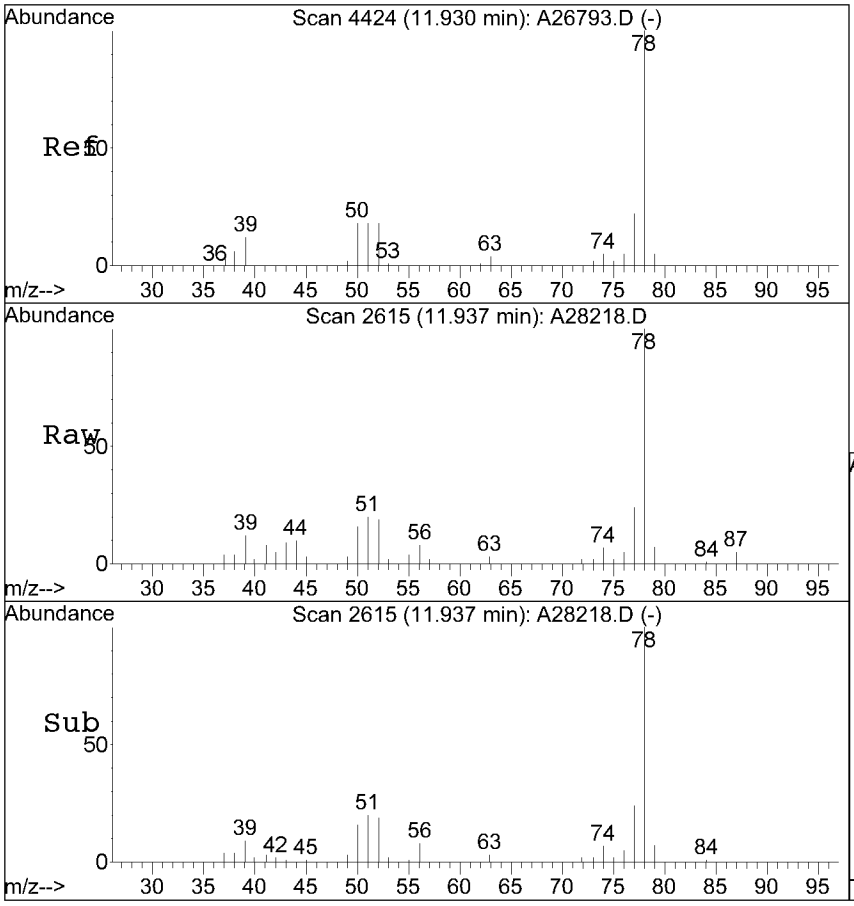


#27
TETRAHYDROFURAN
Concen: 0.57 PPBv
RT: 10.73 min Scan# 2165
Delta R.T. 0.03 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 71 Resp: 49469

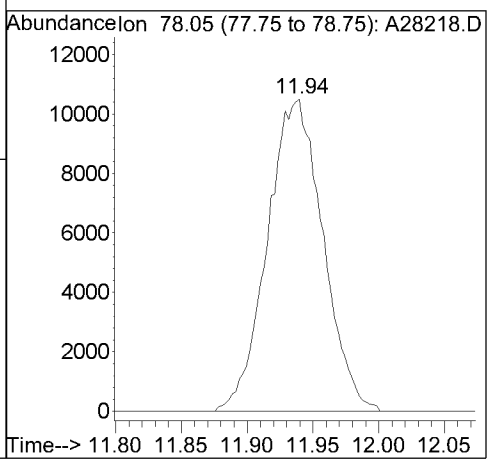
Ion	Ratio	Lower	Upper
71	100		
43	0.0	51.8	77.6#
72	106.3	85.9	128.9

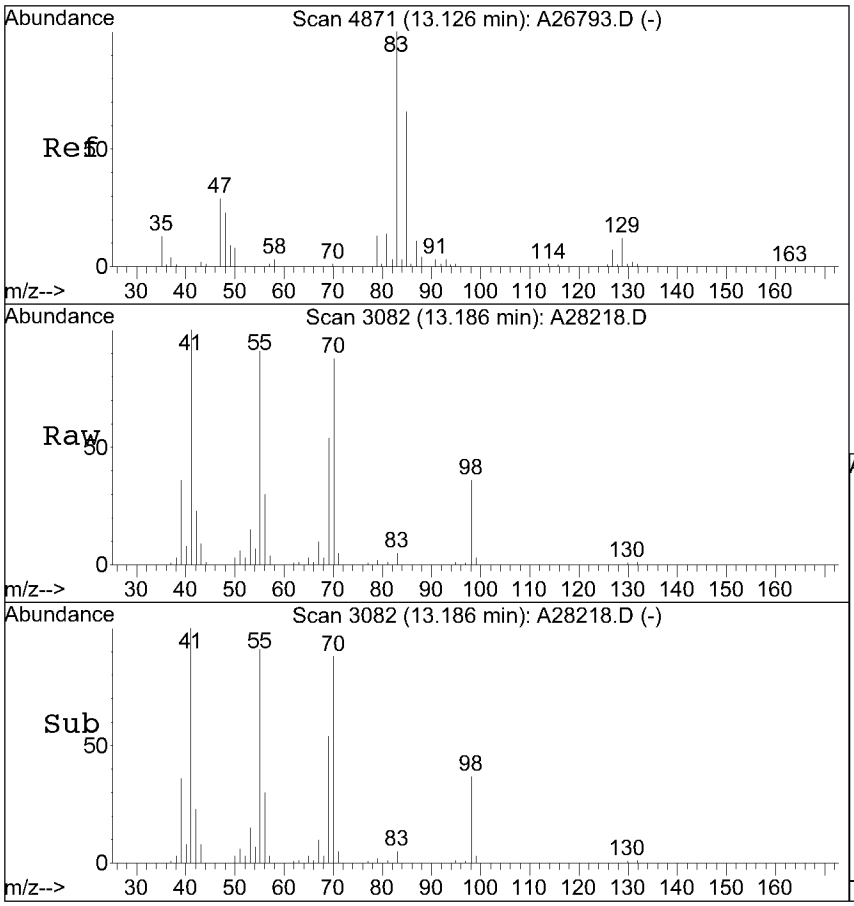




#30
BENZENE
Concen: 0.52 PPBv
RT: 11.94 min Scan# 2615
Delta R.T. 0.01 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 78 Resp: 308511

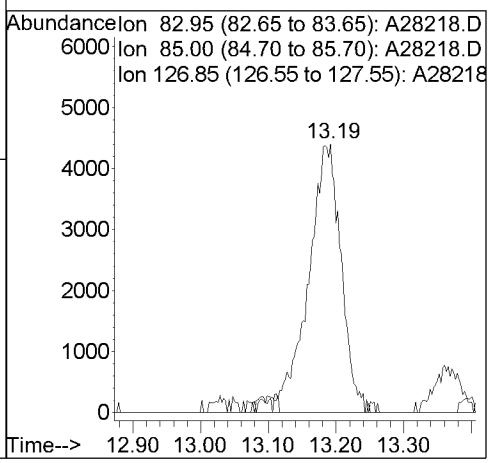


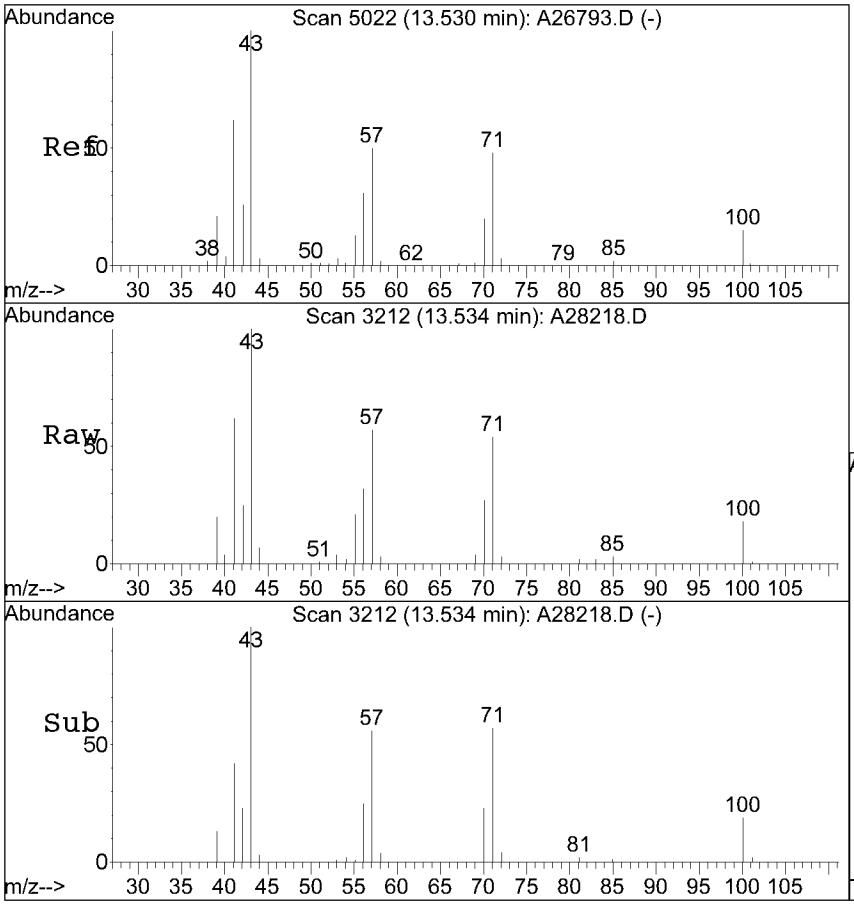


#35
BROMODICHLOROMETHANE
Concen: 0.39 PPBv
RT: 13.19 min Scan# 3082
Delta R.T. 0.06 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 83 Resp: 157456

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.6	77.4#
127	0.0	6.5	9.7#

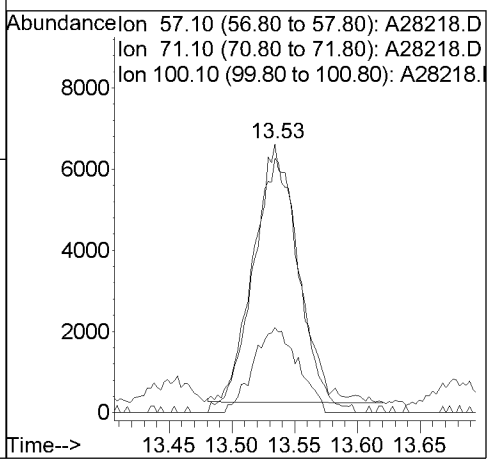


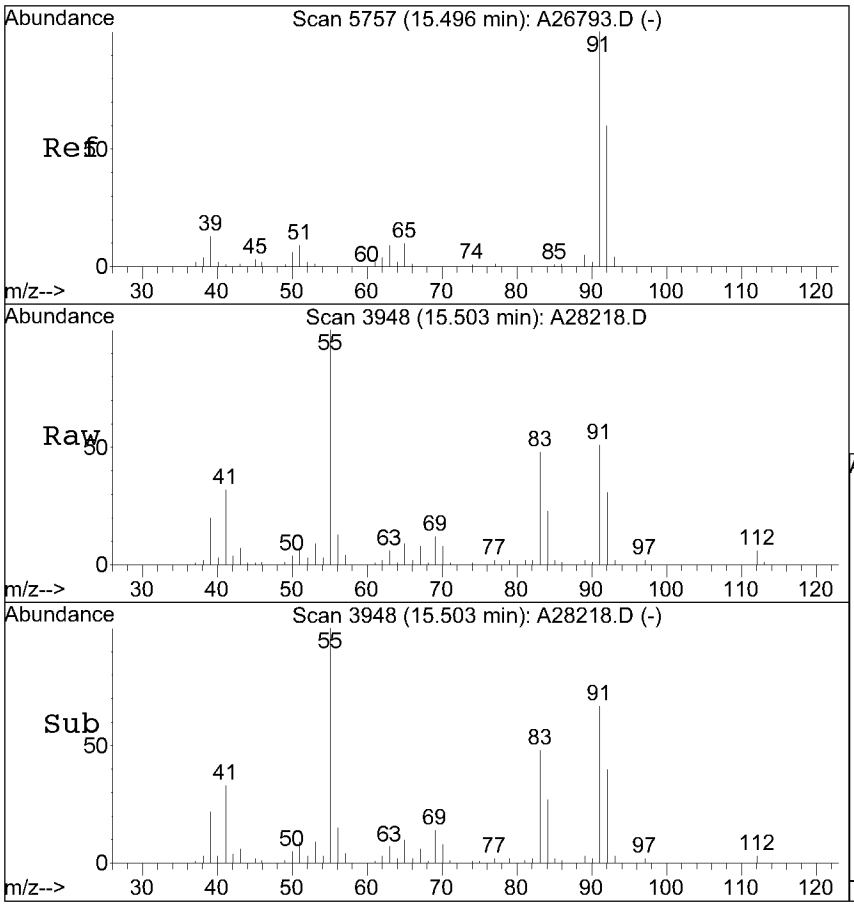


#38
HEPTANE
Concen: 0.77 PPBv
RT: 13.54 min Scan# 3212
Delta R.T. 0.00 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 57 Resp: 158652

Ion	Ratio	Lower	Upper
57	100		
71	102.4	79.0	118.4
100	32.9	25.8	38.8

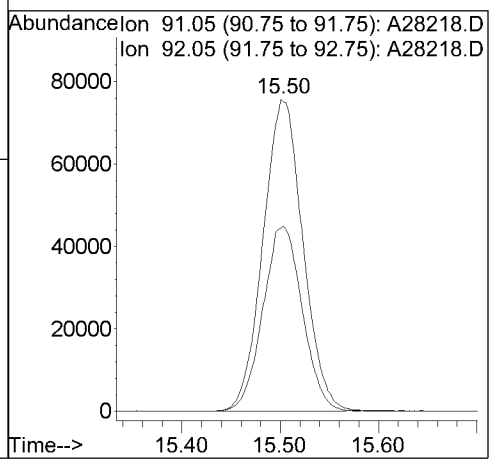


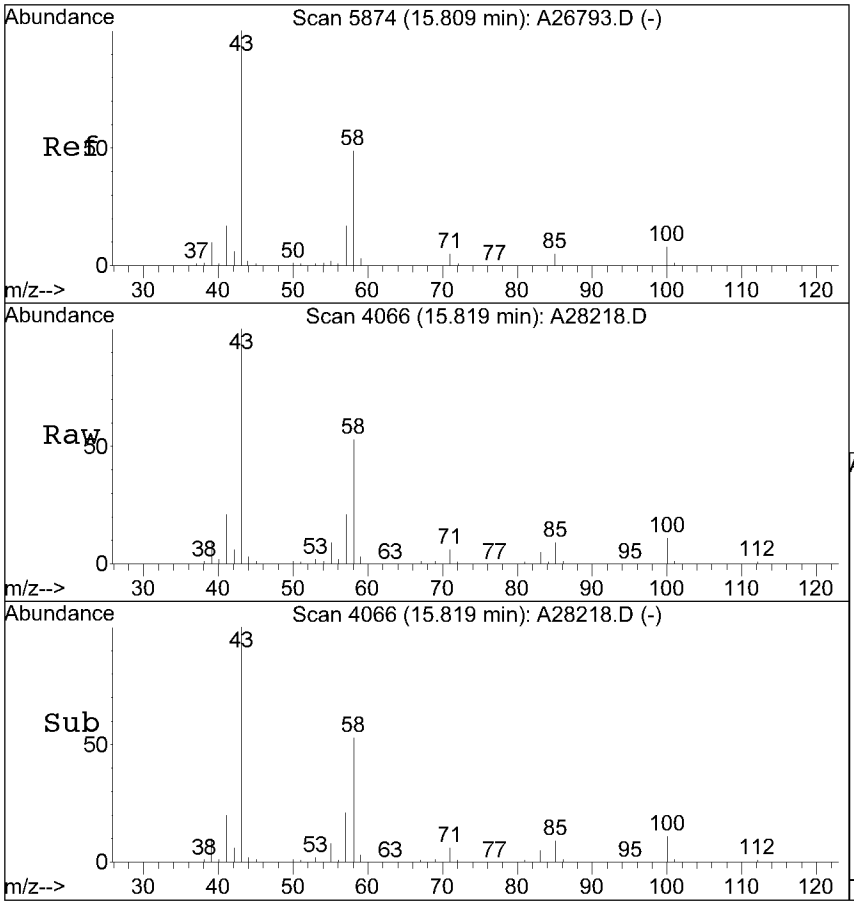


#43
TOLUENE
Concen: 3.10 PPBv
RT: 15.50 min Scan# 3948
Delta R.T. 0.00 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 91 Resp: 2127716

Ion	Ratio	Lower	Upper
91	100		
92	59.0	48.1	72.1

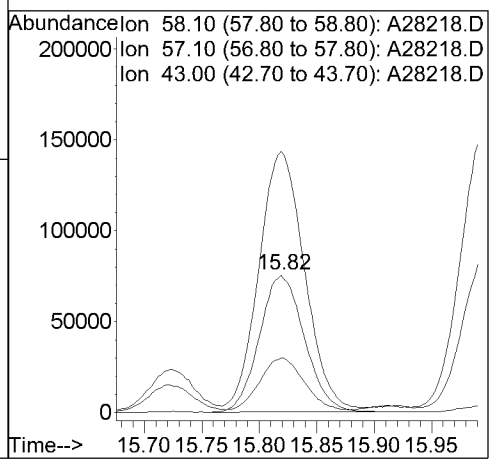


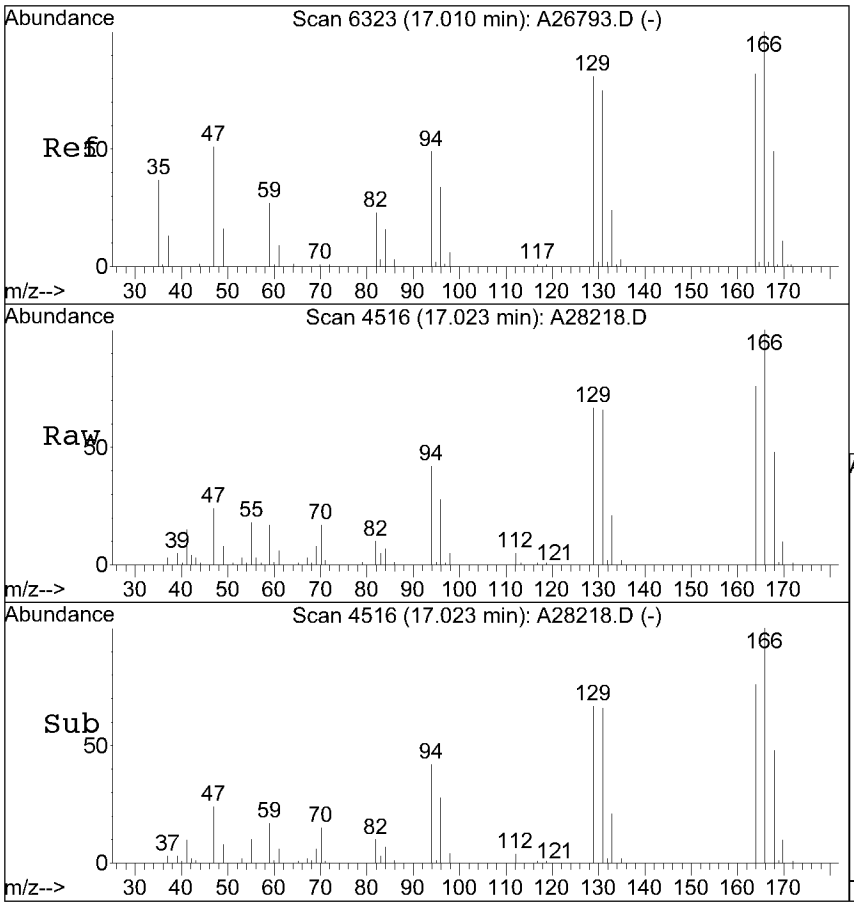


#44
2-HEXANONE(MBK)
Concen: 8.86 PPBv
RT: 15.82 min Scan# 4066
Delta R.T. 0.01 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 58 Resp: 2043214

Ion	Ratio	Lower	Upper
58	100		
57	36.1	31.0	46.4
43	184.0	151.5	227.3

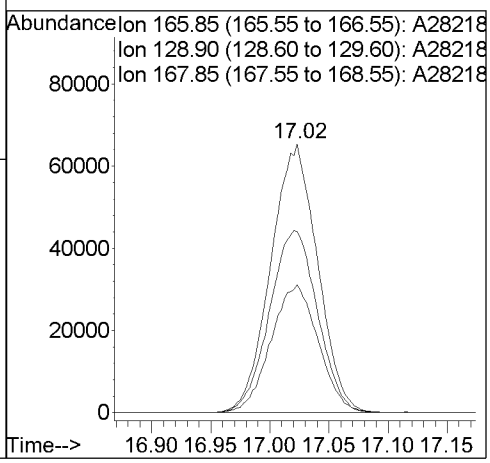


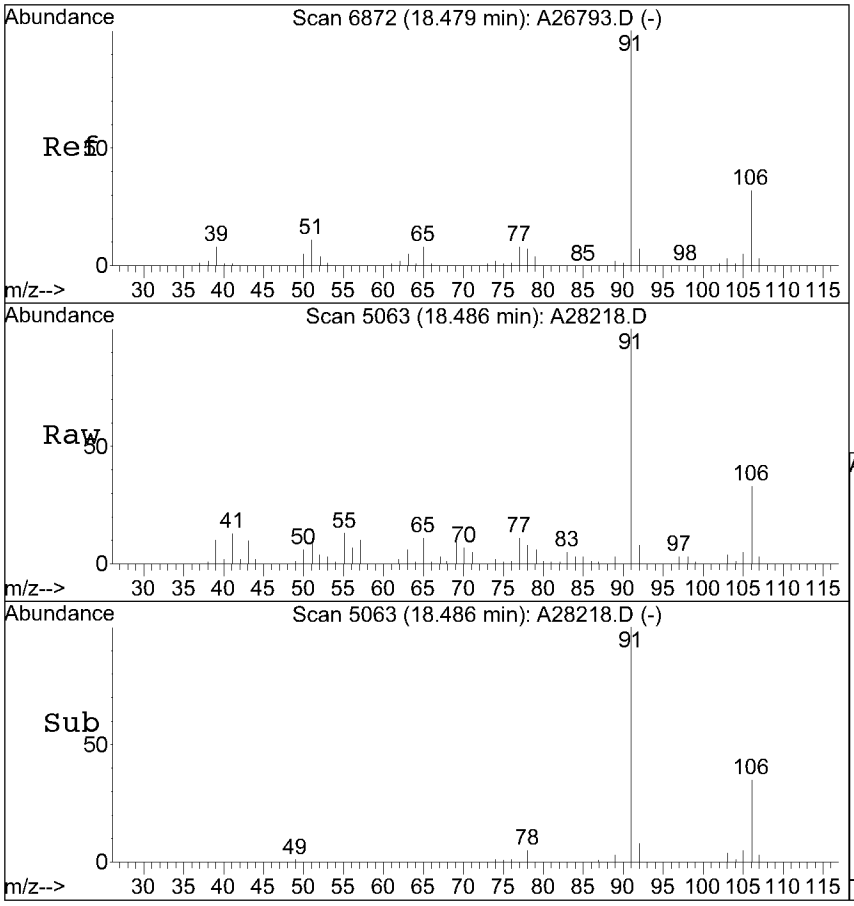


#47
TETRACHLOROETHENE
Concen: 5.33 PPBv
RT: 17.02 min Scan# 4516
Delta R.T. 0.00 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion:166 Resp: 1800389

Ion	Ratio	Lower	Upper
166	100		
129	69.7	56.6	84.8
168	48.2	38.0	57.0

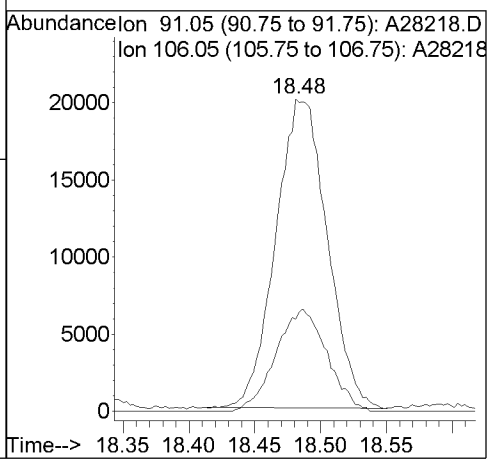


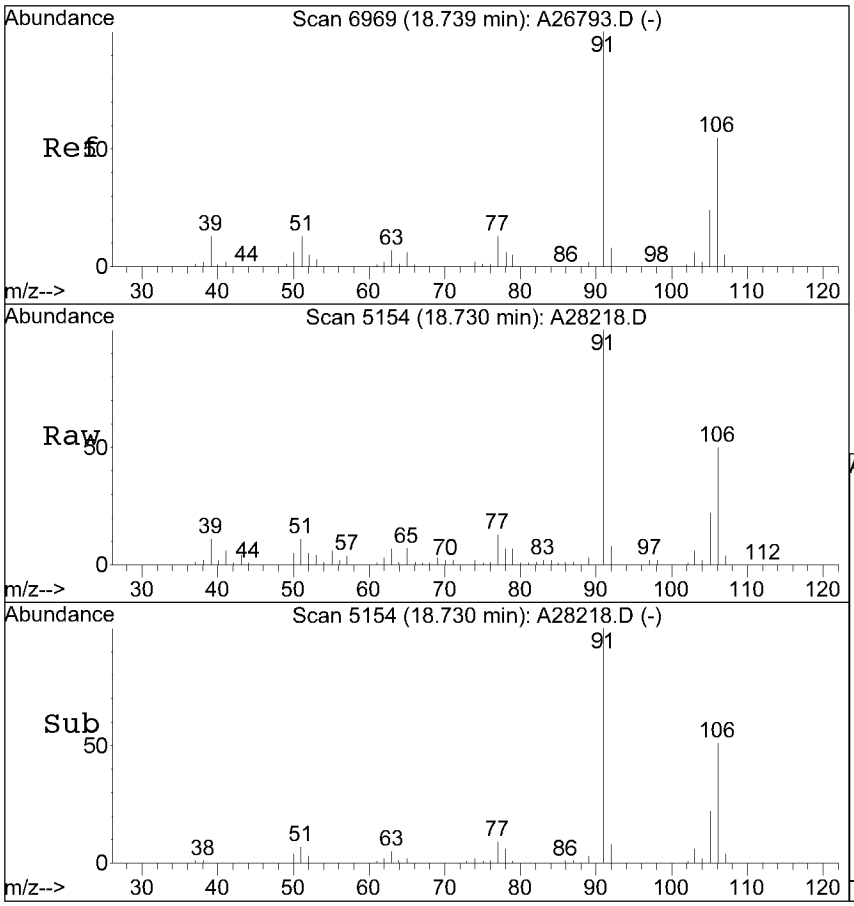


#51
ETHYLBENZENE
Concen: 0.59 PPBv
RT: 18.49 min Scan# 5063
Delta R.T. 0.00 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion: 91 Resp: 544273

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.8	38.8

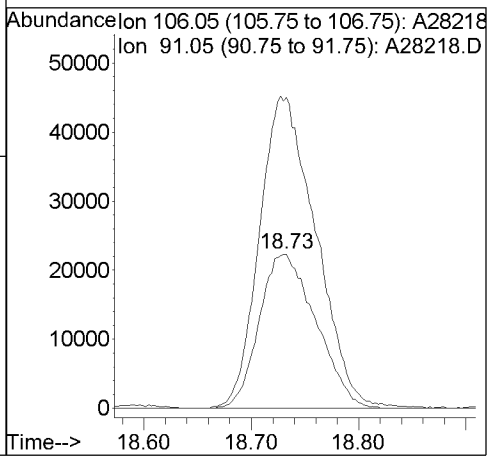


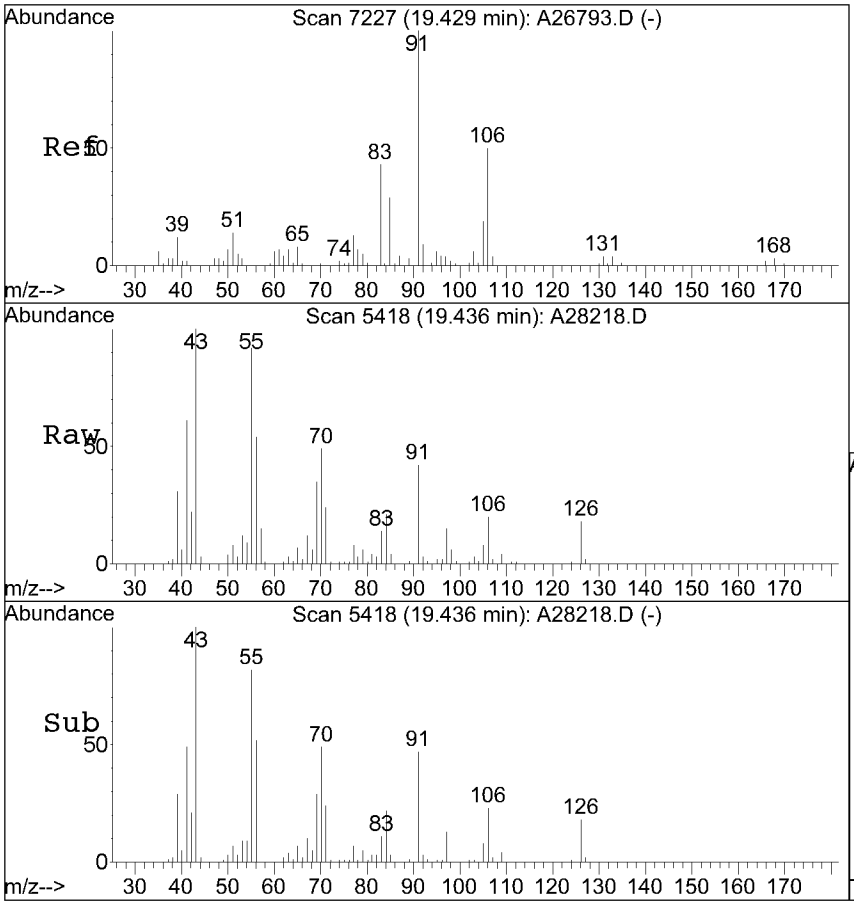


#52
M/P-XYLENE
Concen: 2.28 PPBv
RT: 18.73 min Scan# 5154
Delta R.T. -0.01 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion:106 Resp: 819094

Ion	Ratio	Lower	Upper
106	100		
91	200.8	155.7	233.5

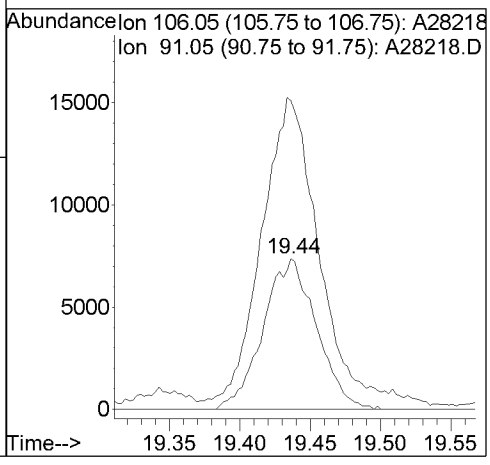




#55
O-XYLENE
Concen: 0.57 PPBv
RT: 19.44 min Scan# 5418
Delta R.T. 0.00 min
Lab File: A28218.D
Acq: 29 Apr 2008 3:52 pm

Tgt Ion:106 Resp: 194229

Ion	Ratio	Lower	Upper
106	100		
91	235.2	169.3	253.9



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28219.D Vial: 5
Acq On : 29 Apr 2008 4:33 pm Operator: WB
Sample : sa77688-05 @ sv3-8 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:55 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

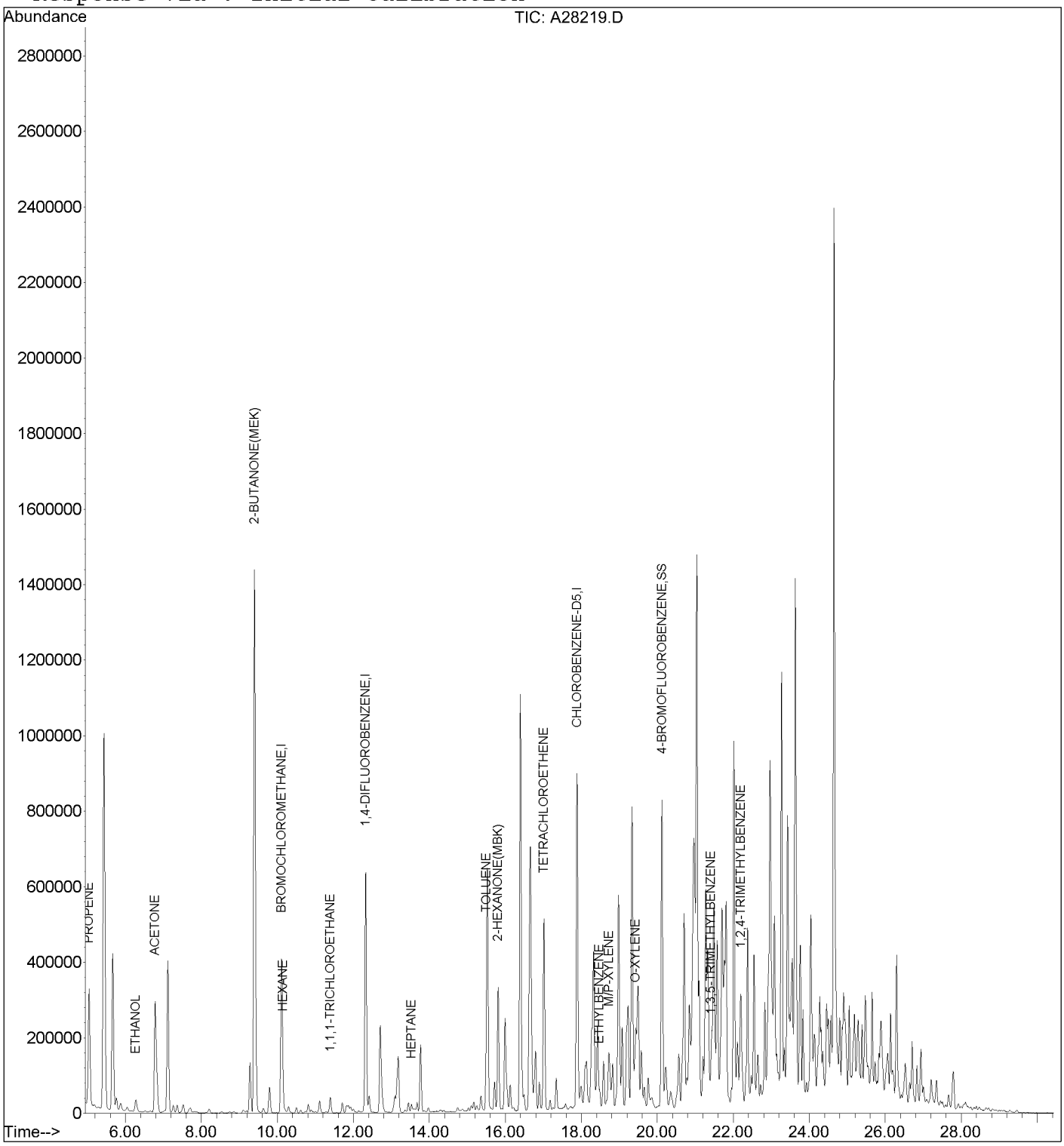
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1416814	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7394685	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.89	82	3788998	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.12	95	4819644	9.89	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.90%			
Target Compounds						Qvalue
2) PROPENE	5.04	42	2101748	16.05	PPBv	96
10) ACETONE	6.79	58	2908483	38.42	PPBv #	25
12) ETHANOL	6.28	45	629356	11.58	PPBv	97
22) 2-BUTANONE(MEK)	9.40	57	2105885	57.12	PPBv	83
24) HEXANE	10.15	57	188468	0.56	PPBv #	41
29) 1,1,1-TRICHLOROETHANE	11.39	97	397306	0.94	PPBv	99
38) HEPTANE	13.53	57	71228	0.34	PPBv #	75
43) TOLUENE	15.50	91	1351646	1.96	PPBv	99
44) 2-HEXANONE(MBK)	15.81	58	1771752	7.67	PPBv	97
47) TETRACHLOROETHENE	17.02	166	2336142	6.90	PPBv	99
51) ETHYLBENZENE	18.48	91	514622	0.56	PPBv	99
52) M/P-XYLENE	18.73	106	899603	2.51	PPBv	97
55) O-XYLENE	19.43	106	233924	0.69	PPBv	92
59) 1,3,5-TRIMETHYLBENZENE	21.40	105	342679	0.32	PPBv	99
61) 1,2,4-TRIMETHYLBENZENE	22.20	105	773512	0.89	PPBv	100

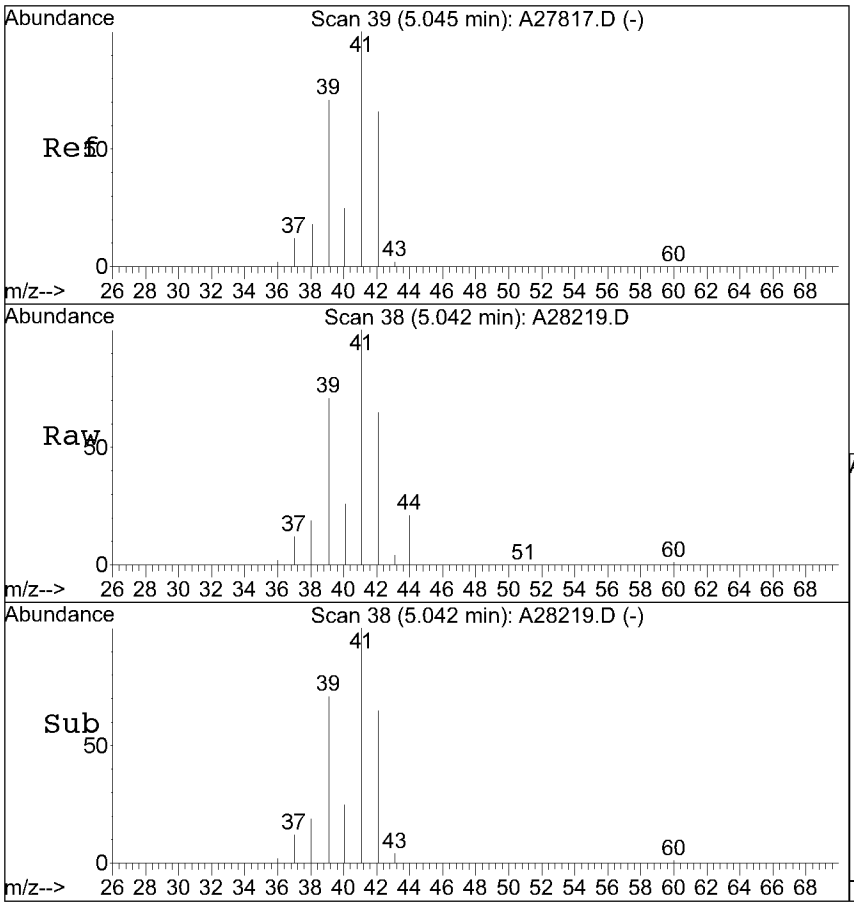
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28219.D Vial: 5
Acq On : 29 Apr 2008 4:33 pm Operator: WB
Sample : sa77688-05 @ sv3-8 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 8:55 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

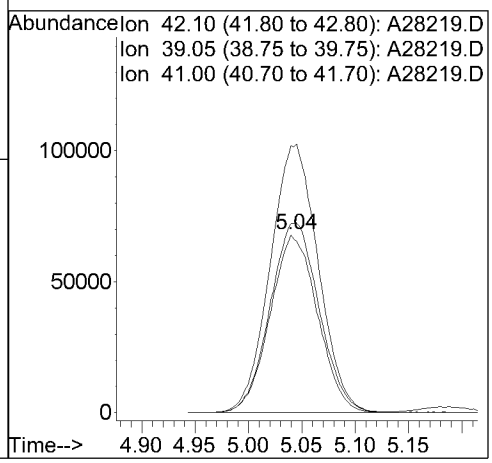


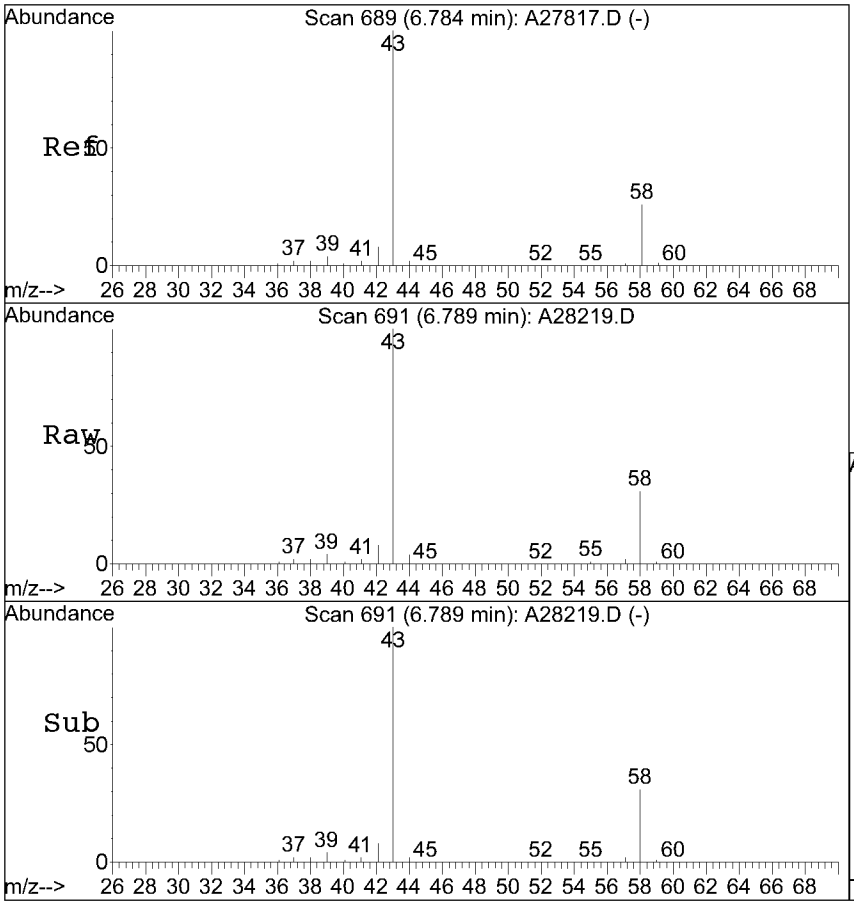


#2
PROPENE
Concen: 16.05 PPBv
RT: 5.04 min Scan# 38
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 42 Resp: 2101748

Ion	Ratio	Lower	Upper
42	100		
39	110.1	83.8	125.6
41	152.9	118.4	177.6

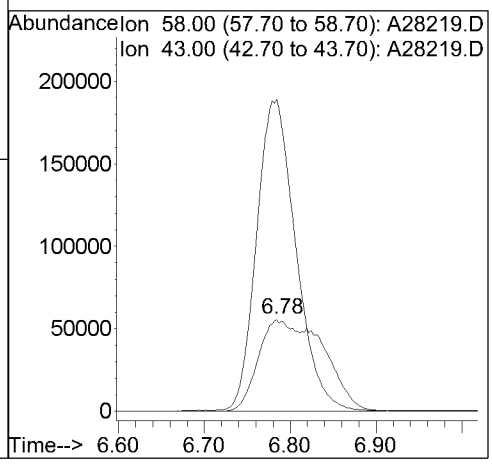


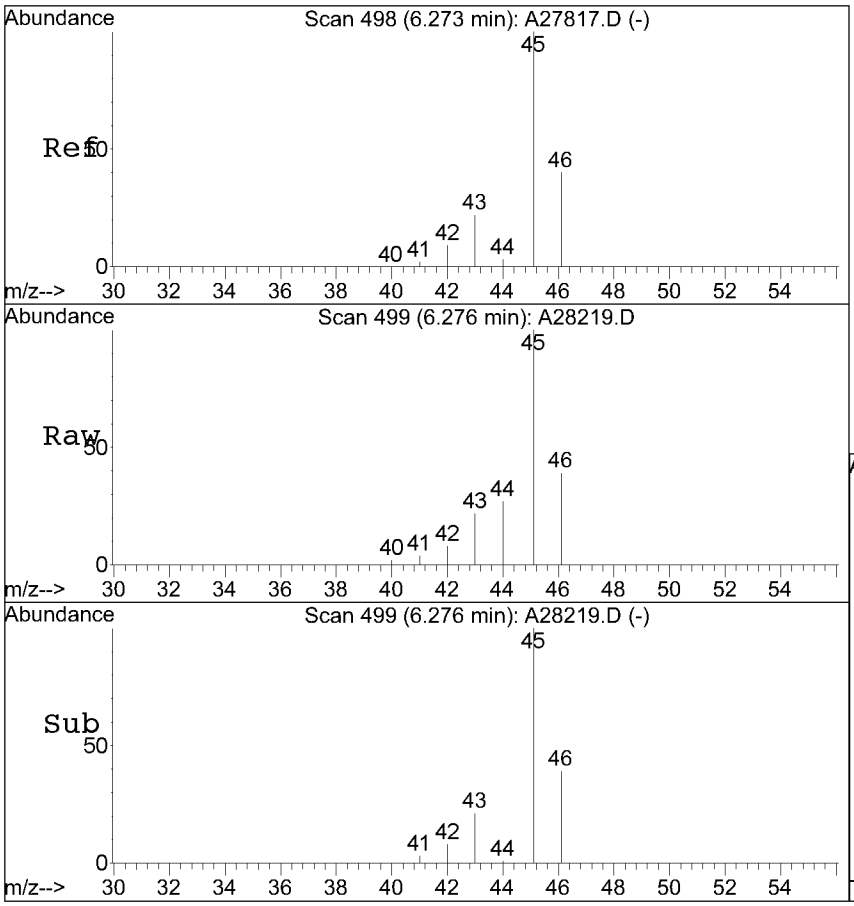


#10
ACETONE
Concen: 38.42 PPBv
RT: 6.79 min Scan# 691
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 58 Resp: 2908483

Ion	Ratio	Lower	Upper
58	100		
43	204.8	300.2	450.4#

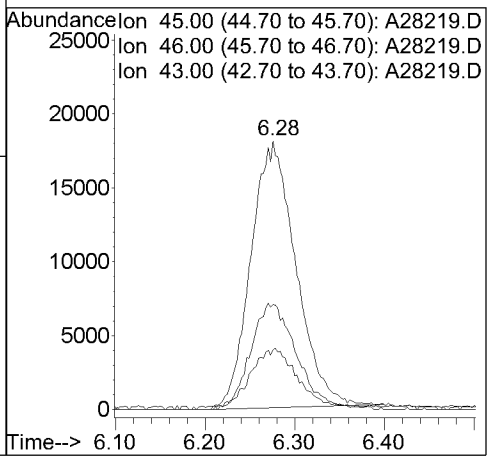


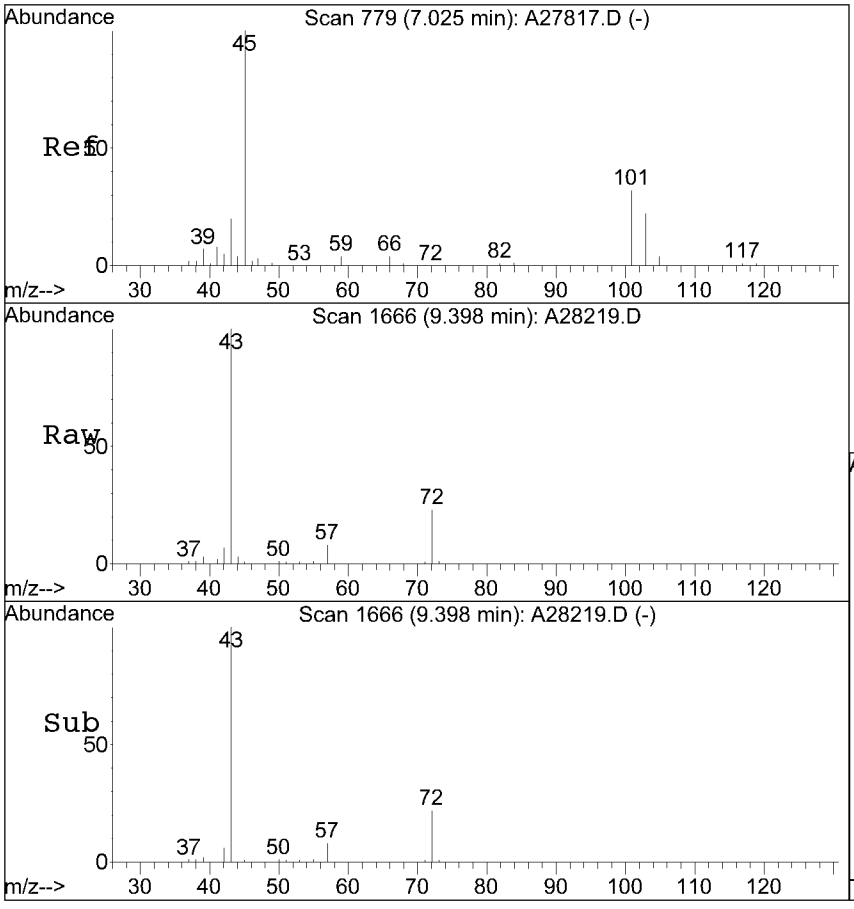


#12
ETHANOL
Concen: 11.58 PPBv
RT: 6.28 min Scan# 499
Delta R.T. 0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 45 Resp: 629356

Ion	Ratio	Lower	Upper
45	100		
46	40.9	30.6	46.0
43	23.1	18.0	27.0

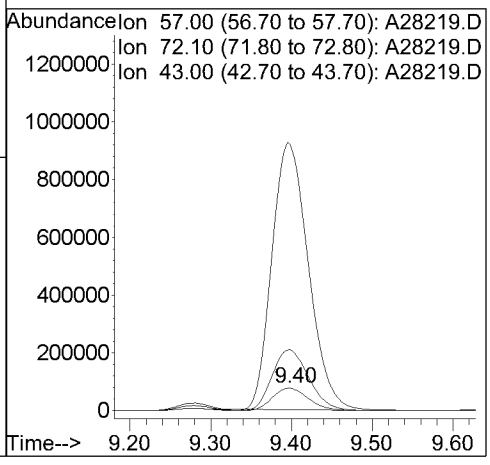


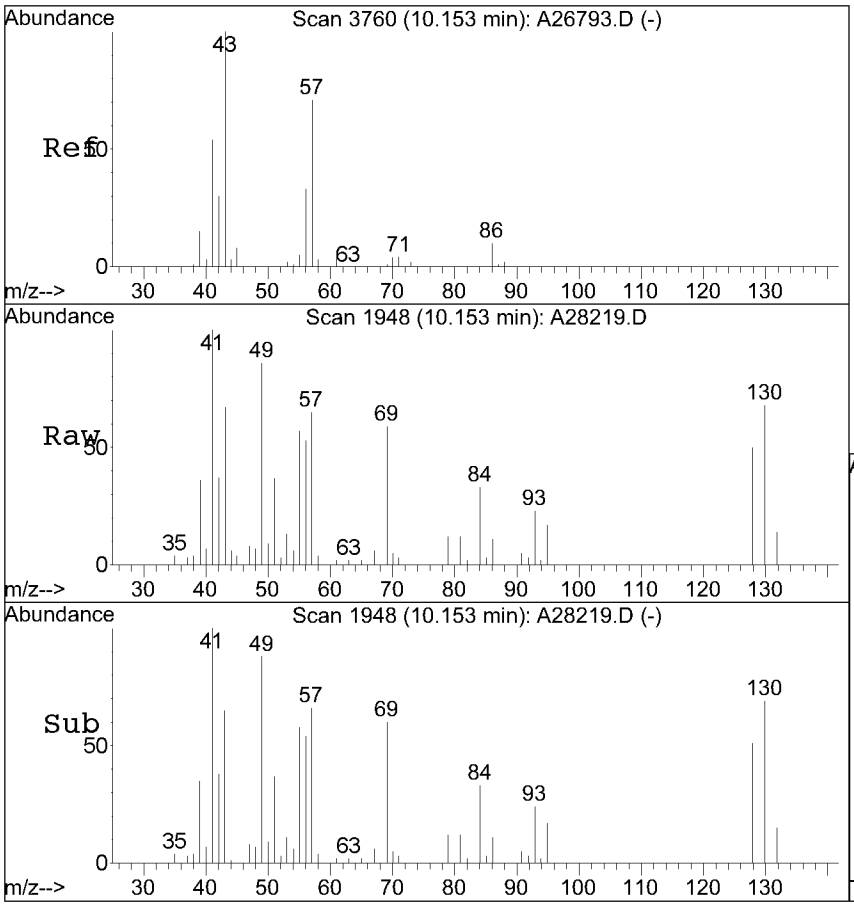


#22
2-BUTANONE(MEK)
Concen: 57.12 PPBv
RT: 9.40 min Scan# 1666
Delta R.T. -0.01 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 57 Resp: 2105885

Ion	Ratio	Lower	Upper
57	100		
72	282.6	222.2	333.4
43	1336.5	987.4	1481.0

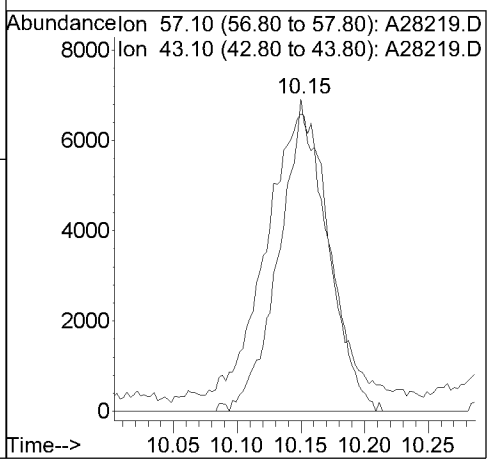


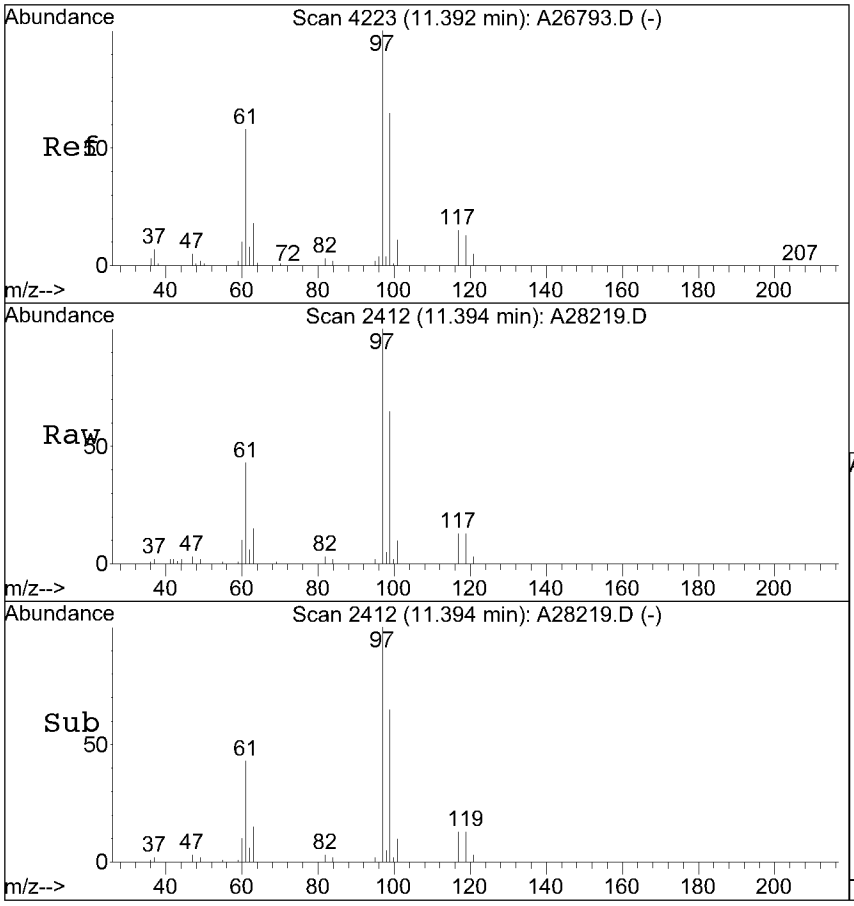


#24
HEXANE
Concen: 0.56 PPBv
RT: 10.15 min Scan# 1948
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 57 Resp: 188468

Ion	Ratio	Lower	Upper
57	100		
43	114.8	163.9	245.9#

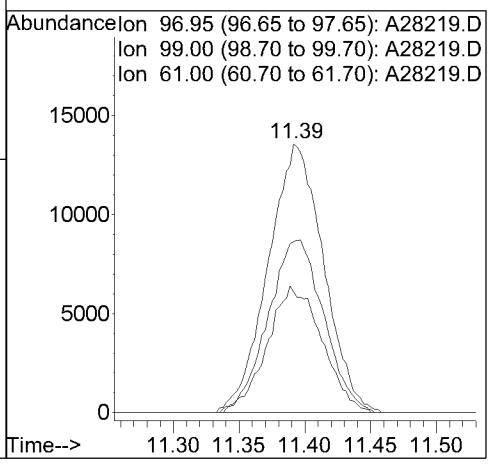


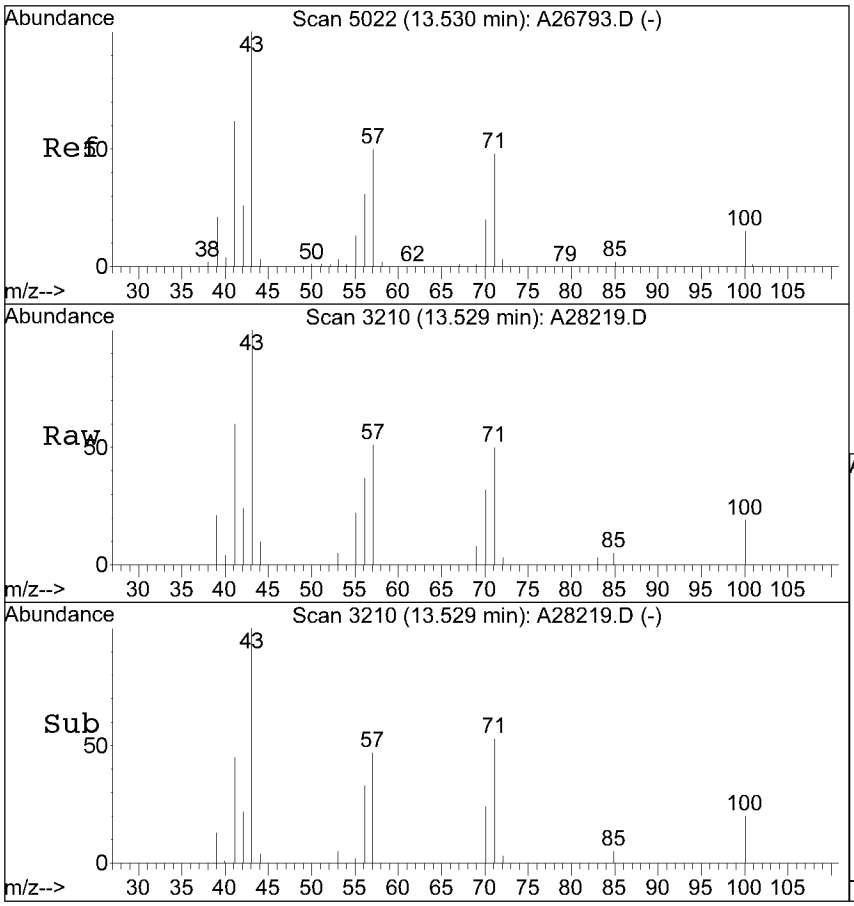


#29
1,1,1-TRICHLOROETHANE
Concen: 0.94 PPBv
RT: 11.39 min Scan# 2412
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 97 Resp: 397306

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	46.6	38.8	58.2

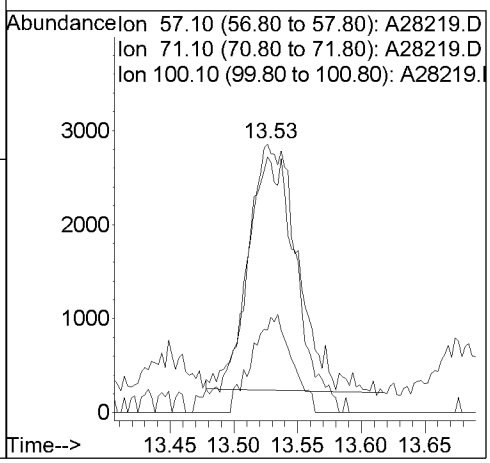


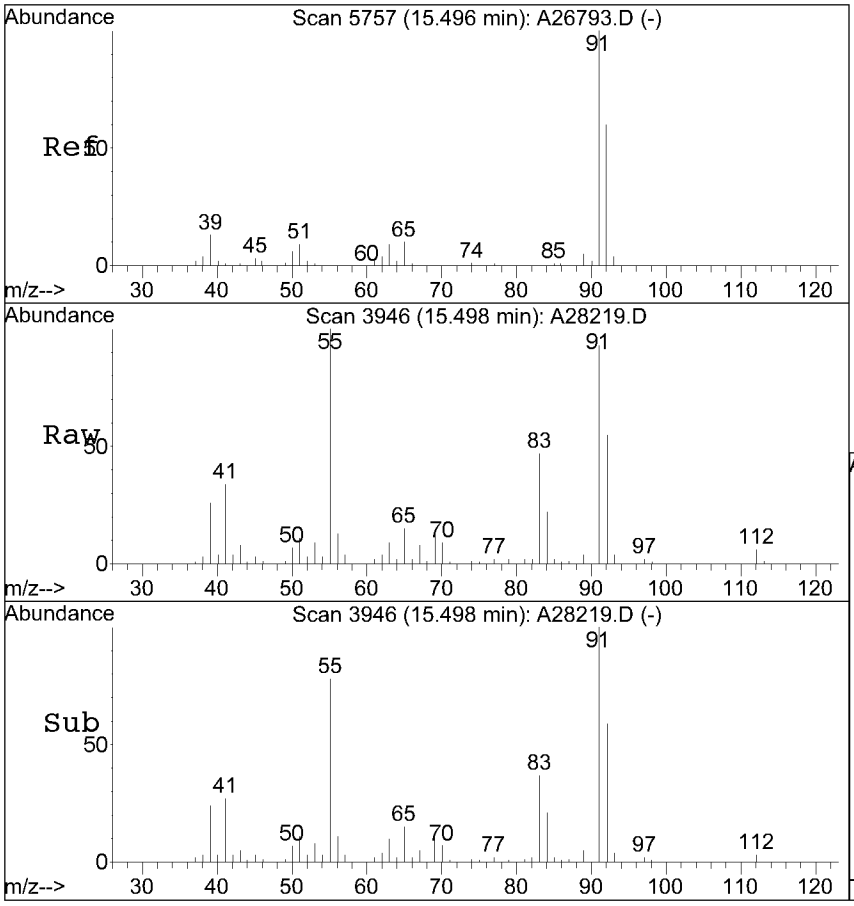


#38
HEPTANE
Concen: 0.34 PPBv
RT: 13.53 min Scan# 3210
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 57 Resp: 71228

Ion	Ratio	Lower	Upper
57	100		
71	112.9	79.0	118.4
100	0.0	25.8	38.8#

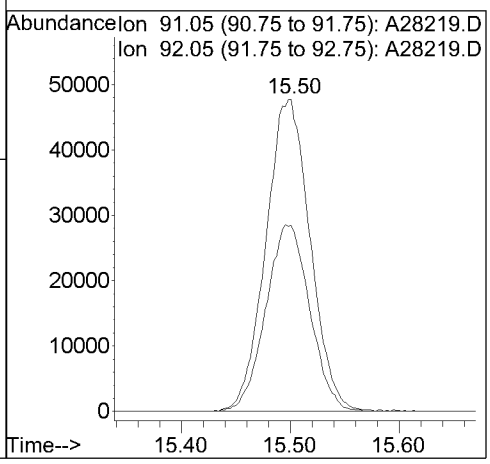


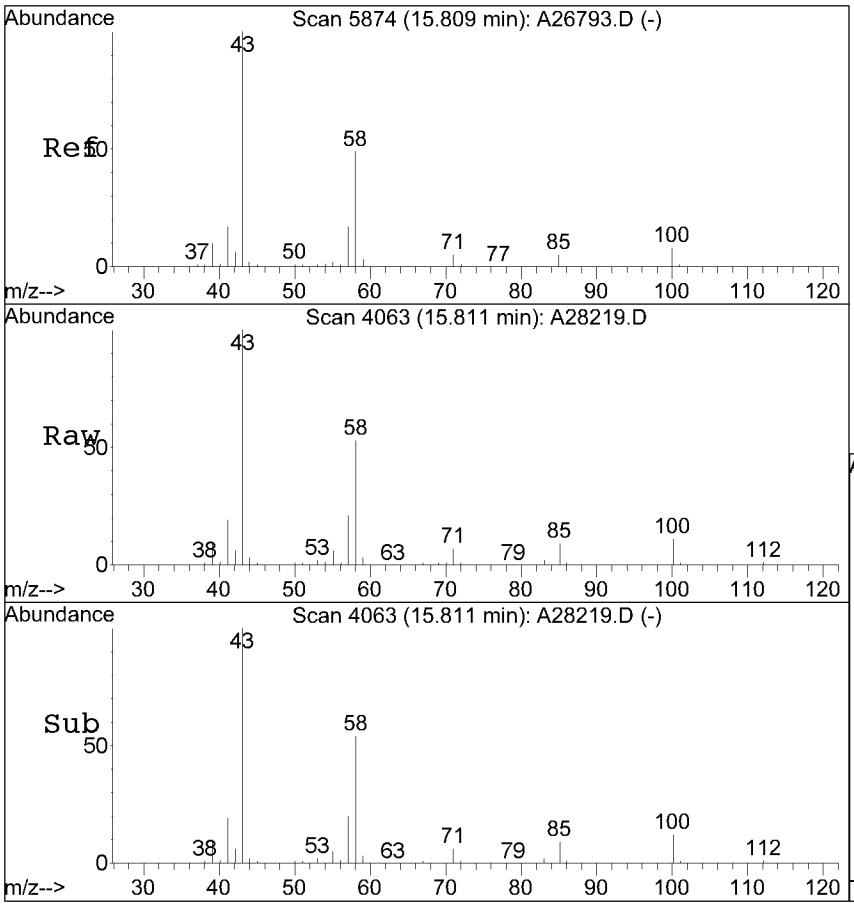


#43
TOLUENE
Concen: 1.96 PPBv
RT: 15.50 min Scan# 3946
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 91 Resp: 1351646

Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.1	72.1

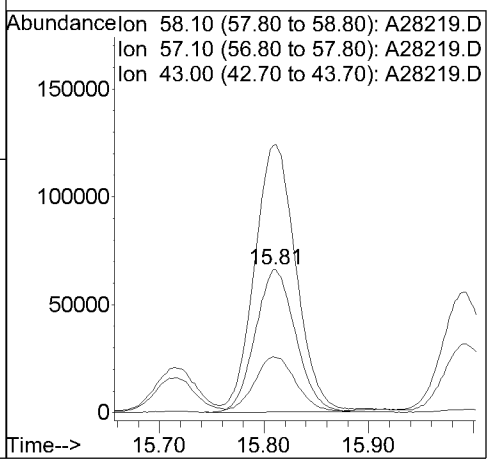


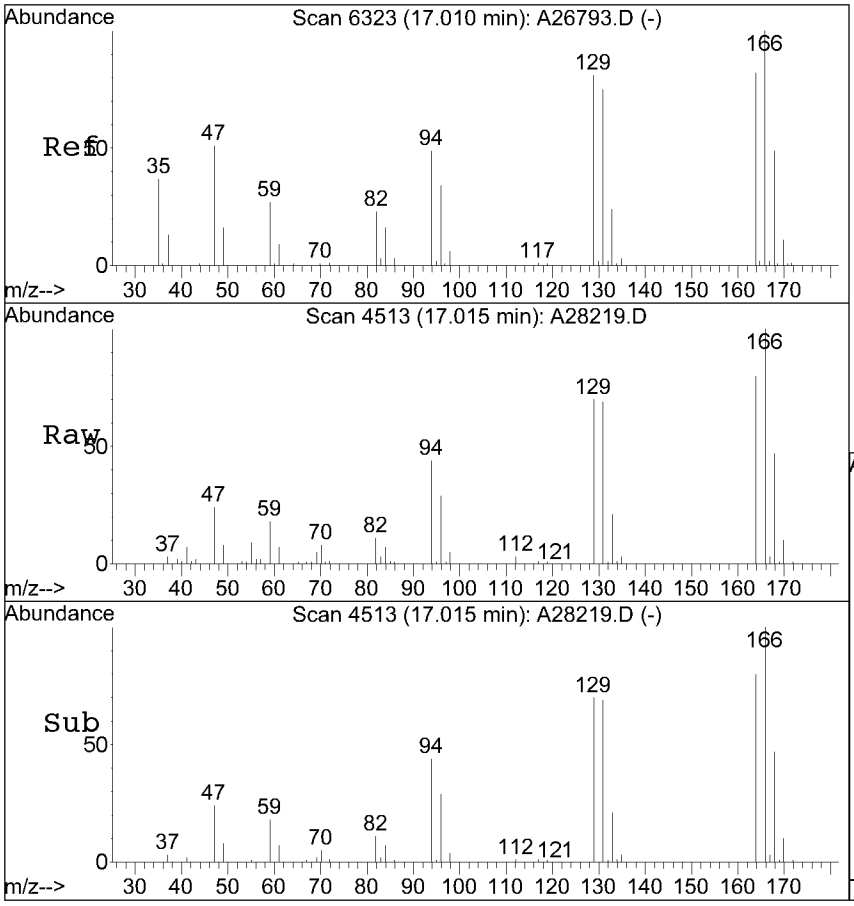


#44
2-HEXANONE(MBK)
Concen: 7.67 PPBv
RT: 15.81 min Scan# 4063
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 58 Resp: 1771752

Ion	Ratio	Lower	Upper
58	100		
57	36.7	31.0	46.4
43	185.5	151.5	227.3

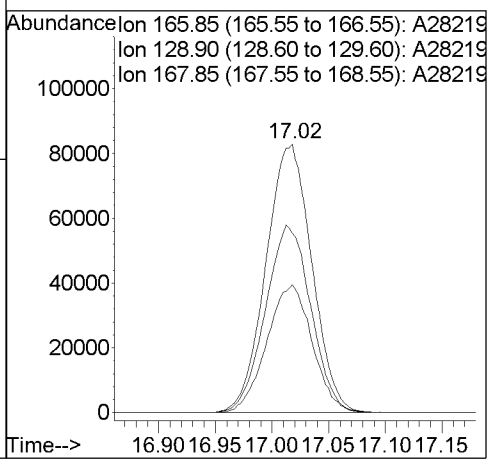


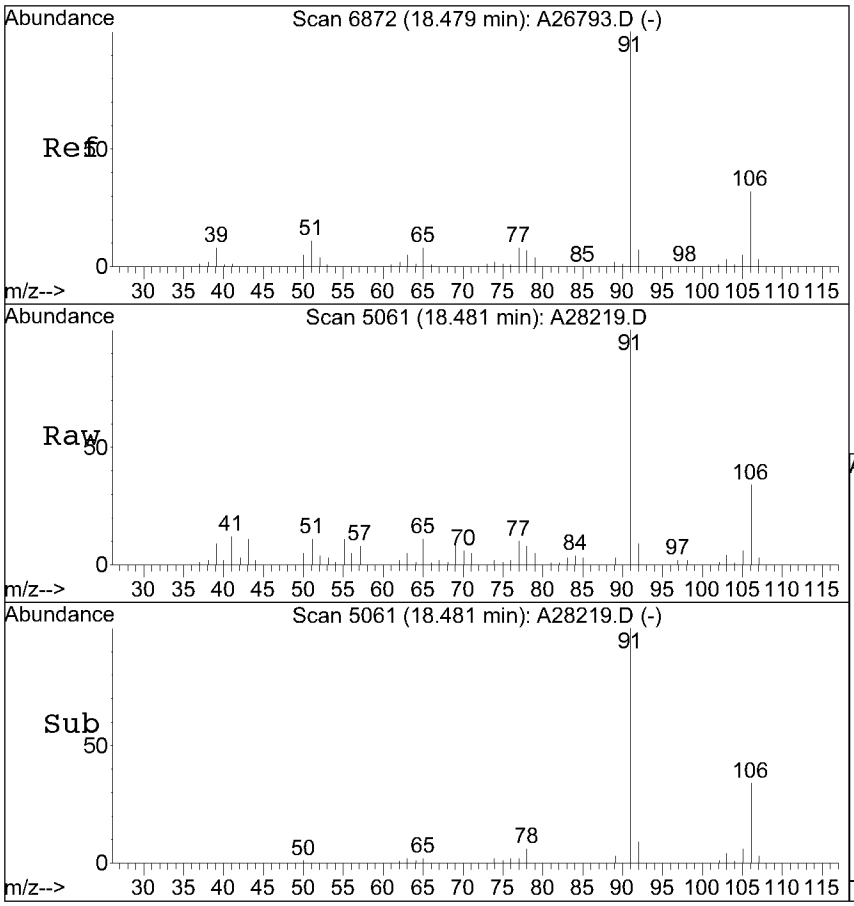


#47
TETRACHLOROETHENE
Concen: 6.90 PPBv
RT: 17.02 min Scan# 4513
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion:166 Resp: 2336142

Ion	Ratio	Lower	Upper
166	100		
129	69.2	56.6	84.8
168	47.2	38.0	57.0

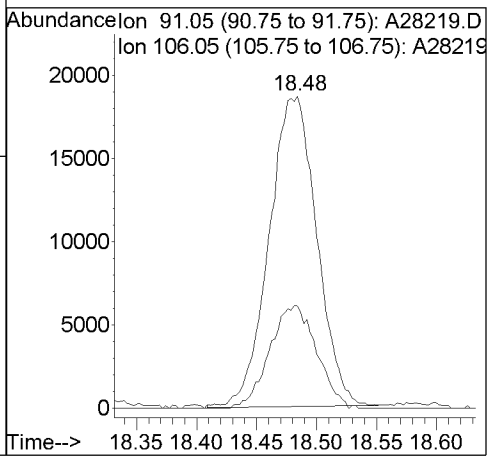


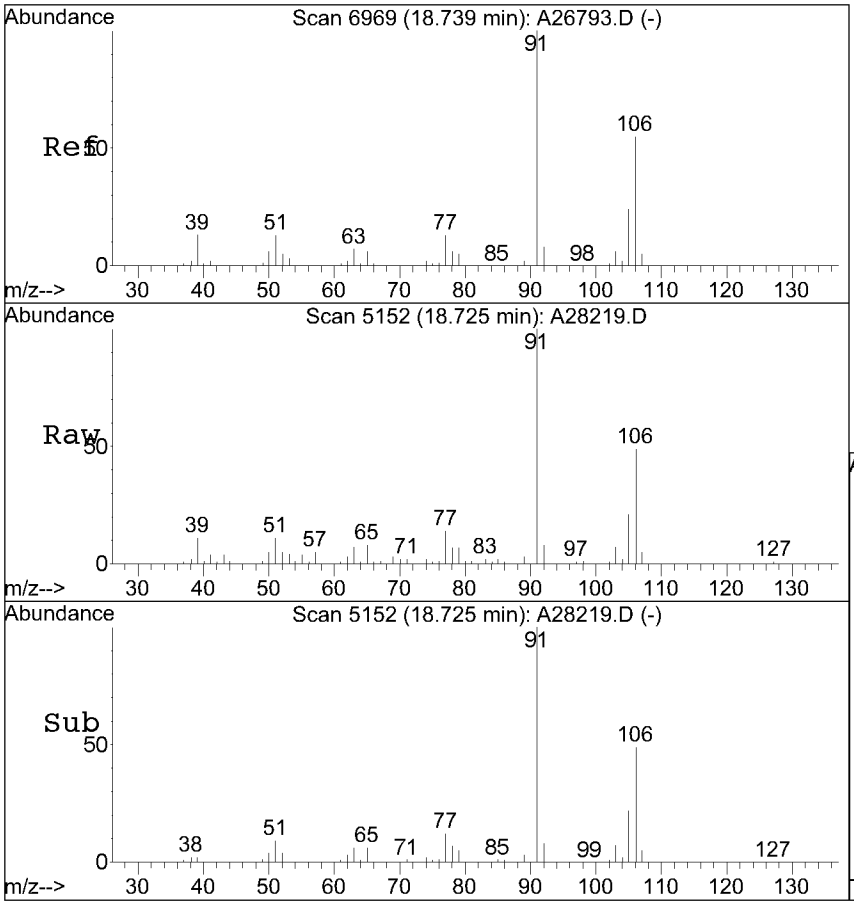


#51
ETHYLBENZENE
Concen: 0.56 PPBv
RT: 18.48 min Scan# 5061
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion: 91 Resp: 514622

Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.8	38.8

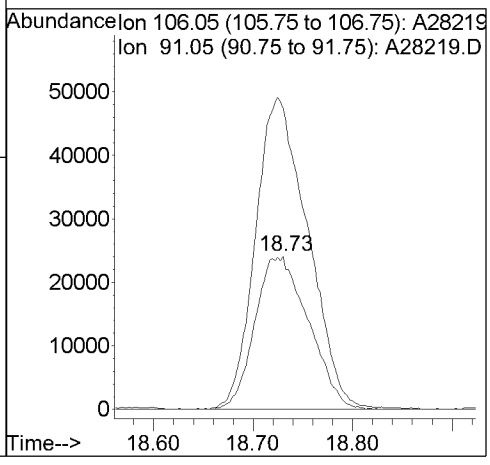


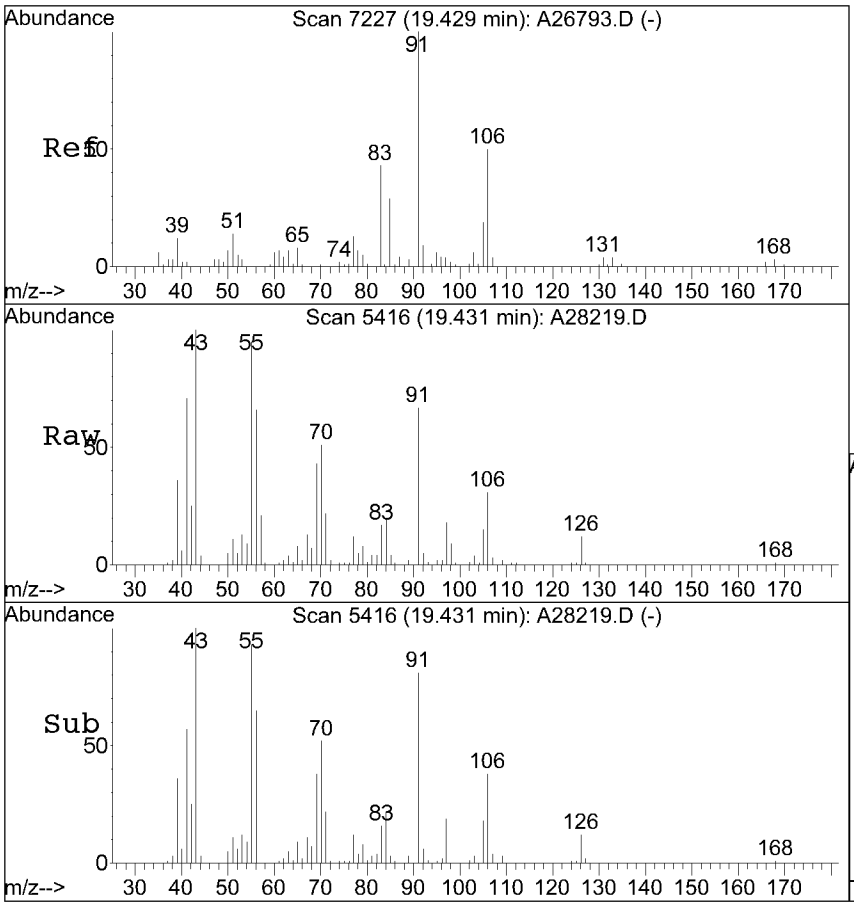


#52
M/P-XYLENE
Concen: 2.51 PPBv
RT: 18.73 min Scan# 5152
Delta R.T. -0.01 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion:106 Resp: 899603

Ion	Ratio	Lower	Upper
106	100		
91	198.7	155.7	233.5

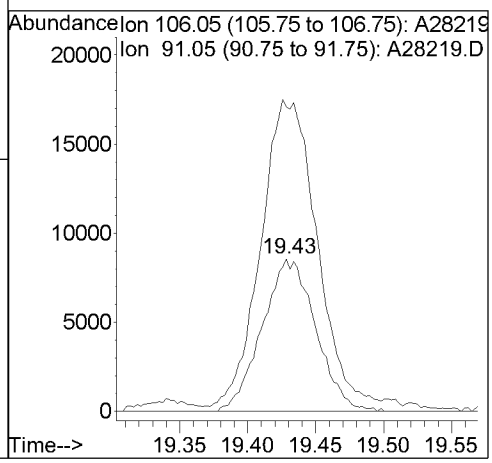


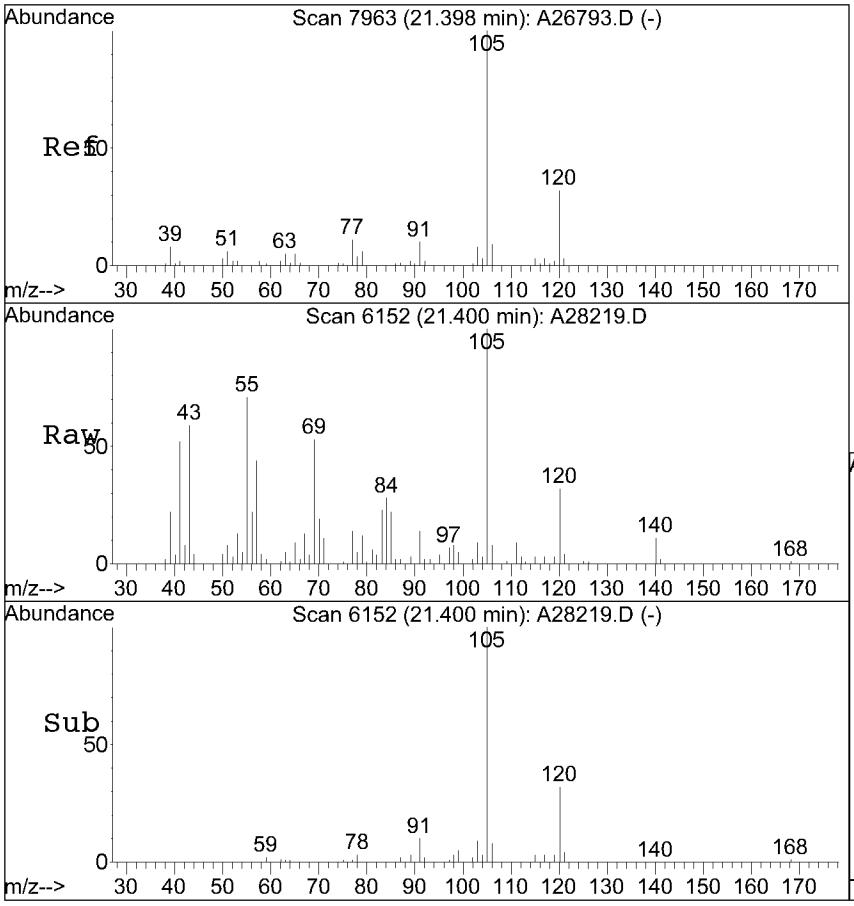


#55
O-XYLENE
Concen: 0.69 PPBv
RT: 19.43 min Scan# 5416
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion:106 Resp: 233924

Ion	Ratio	Lower	Upper
106	100		
91	224.7	169.3	253.9

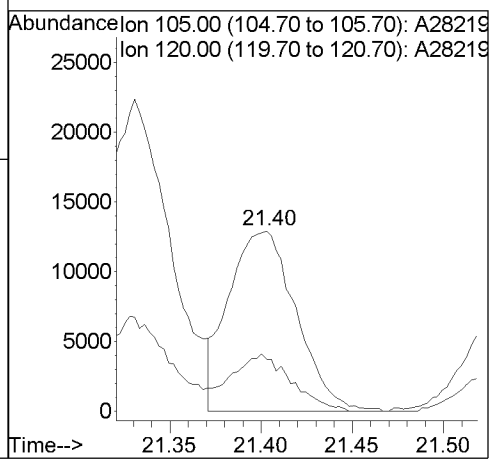


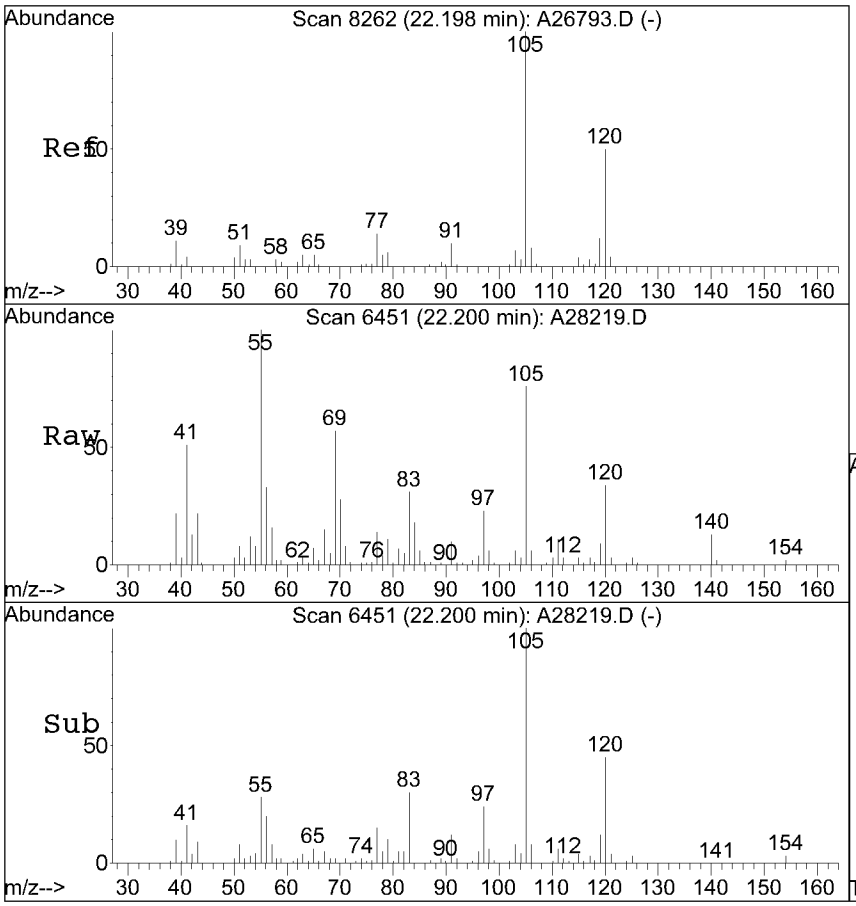


#59
1,3,5-TRIMETHYLBENZENE
Concen: 0.32 PPBv
RT: 21.40 min Scan# 6152
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion:105 Resp: 342679

Ion	Ratio	Lower	Upper
105	100		
120	28.1	22.9	34.3

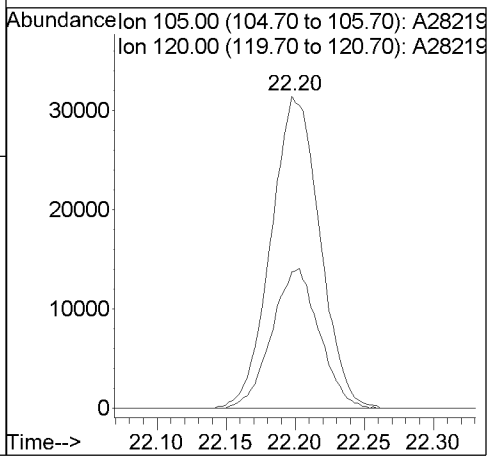




#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.89 PPBv
RT: 22.20 min Scan# 6451
Delta R.T. -0.00 min
Lab File: A28219.D
Acq: 29 Apr 2008 4:33 pm

Tgt Ion:105 Resp: 773512

Ion	Ratio	Lower	Upper
105	100		
120	43.6	35.0	52.4



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28220.D Vial: 6
Acq On : 29 Apr 2008 5:14 pm Operator: WB
Sample : sa77688-07 @ sv3-55 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:00 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

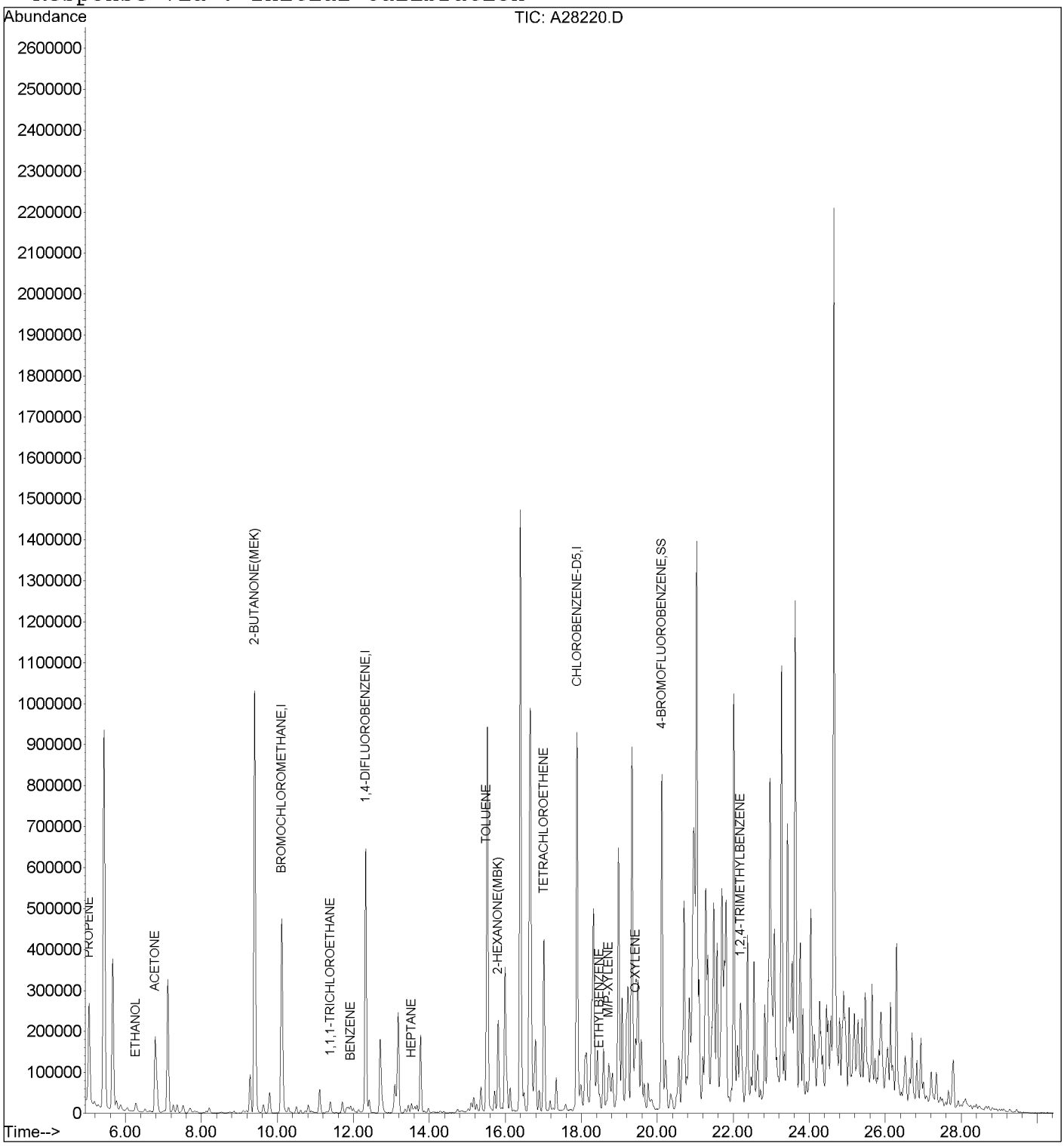
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1402497	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7362185	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.89	82	3783778	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.12	95	4792341	9.85	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.50%			
Target Compounds						Qvalue
2) PROPENE	5.04	42	1642022	12.66	PPBv	96
10) ACETONE	6.79	58	944293	12.60	PPBv	91
12) ETHANOL	6.27	45	401723	7.47	PPBv	97
22) 2-BUTANONE(MEK)	9.40	57	1493931	40.93	PPBv	83
29) 1,1,1-TRICHLOROETHANE	11.40	97	269652	0.64	PPBv	98
30) BENZENE	11.93	78	190169	0.32	PPBv	100
38) HEPTANE	13.53	57	86308	0.42	PPBv #	80
43) TOLUENE	15.50	91	1342462	1.96	PPBv	99
44) 2-HEXANONE(MBK)	15.81	58	1144127	4.98	PPBv	97
47) TETRACHLOROETHENE	17.02	166	1939702	5.76	PPBv	99
51) ETHYLBENZENE	18.48	91	429587	0.46	PPBv	98
52) M/P-XYLENE	18.73	106	670975	1.88	PPBv	97
55) O-XYLENE	19.43	106	163632	0.48	PPBv	90
61) 1,2,4-TRIMETHYLBENZENE	22.20	105	412390	0.48	PPBv	100

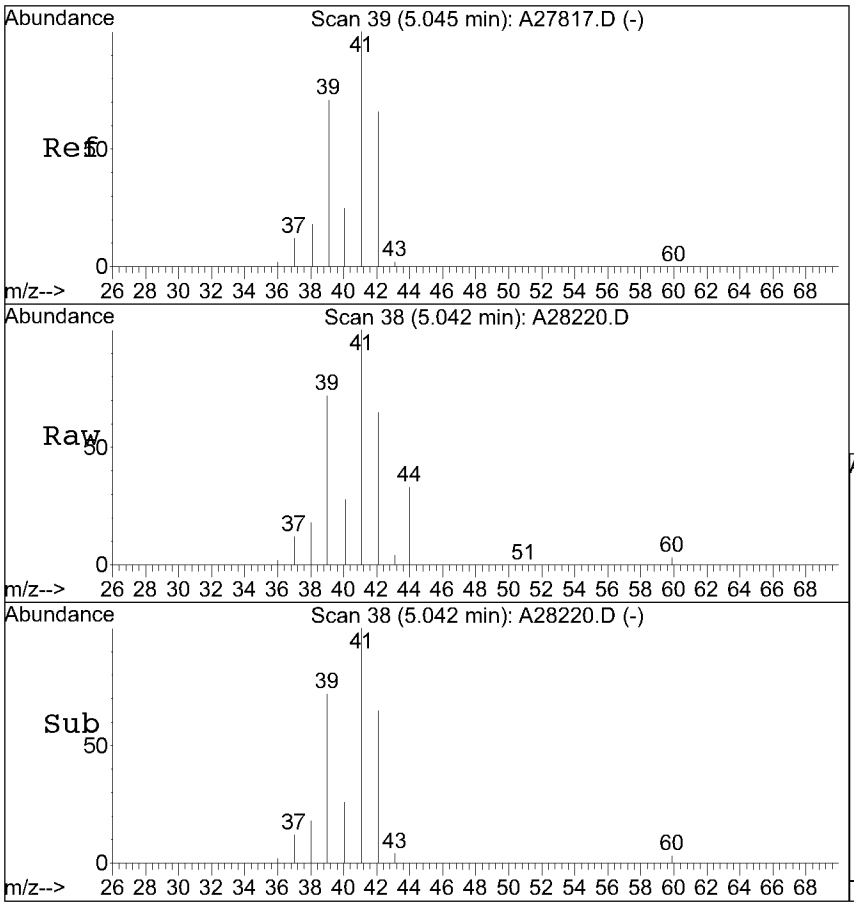
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28220.D Vial: 6
Acq On : 29 Apr 2008 5:14 pm Operator: WB
Sample : sa77688-07 @ sv3-55 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:00 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

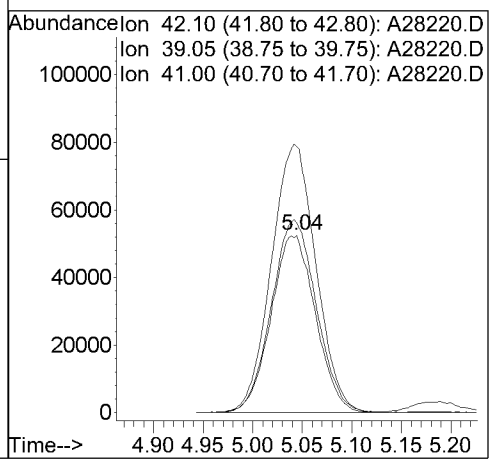


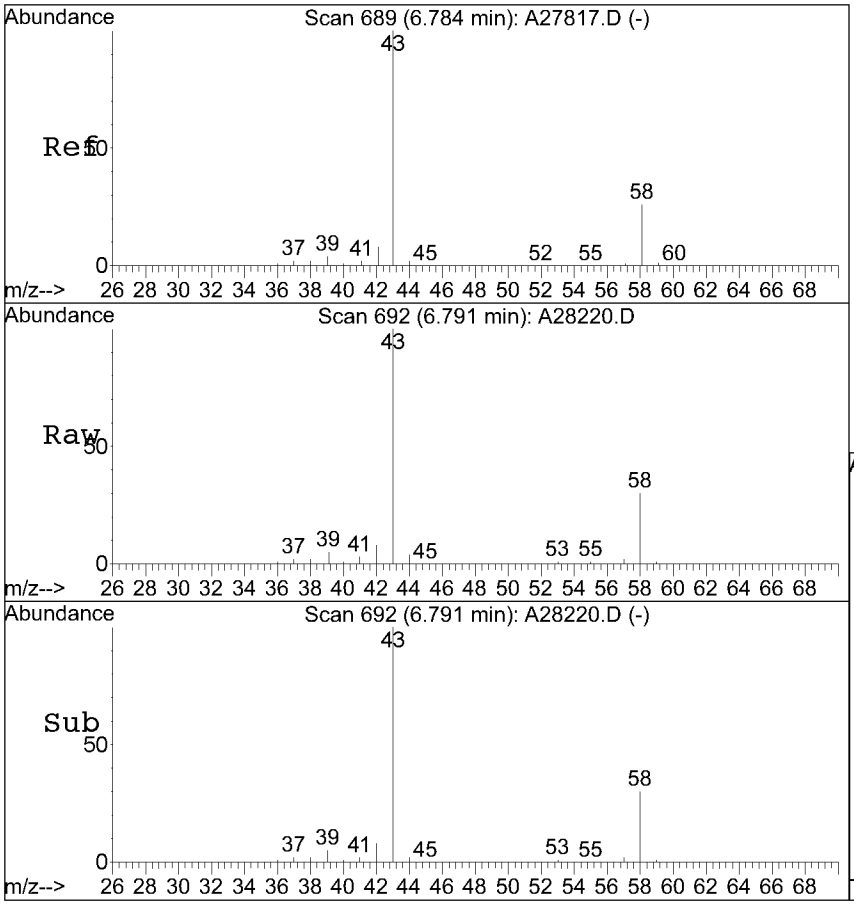


#2
PROPENE
Concen: 12.66 PPBv
RT: 5.04 min Scan# 38
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 42 Resp: 1642022

Ion	Ratio	Lower	Upper
42	100		
39	109.6	83.8	125.6
41	151.9	118.4	177.6

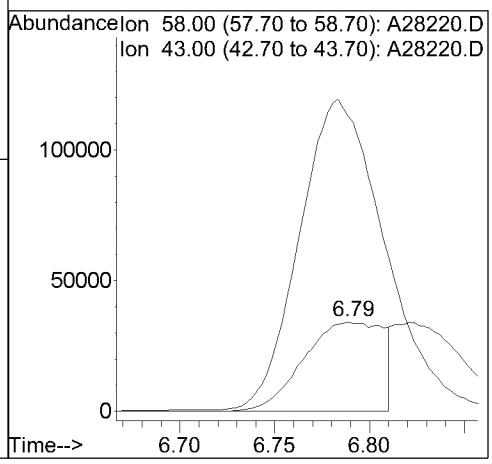


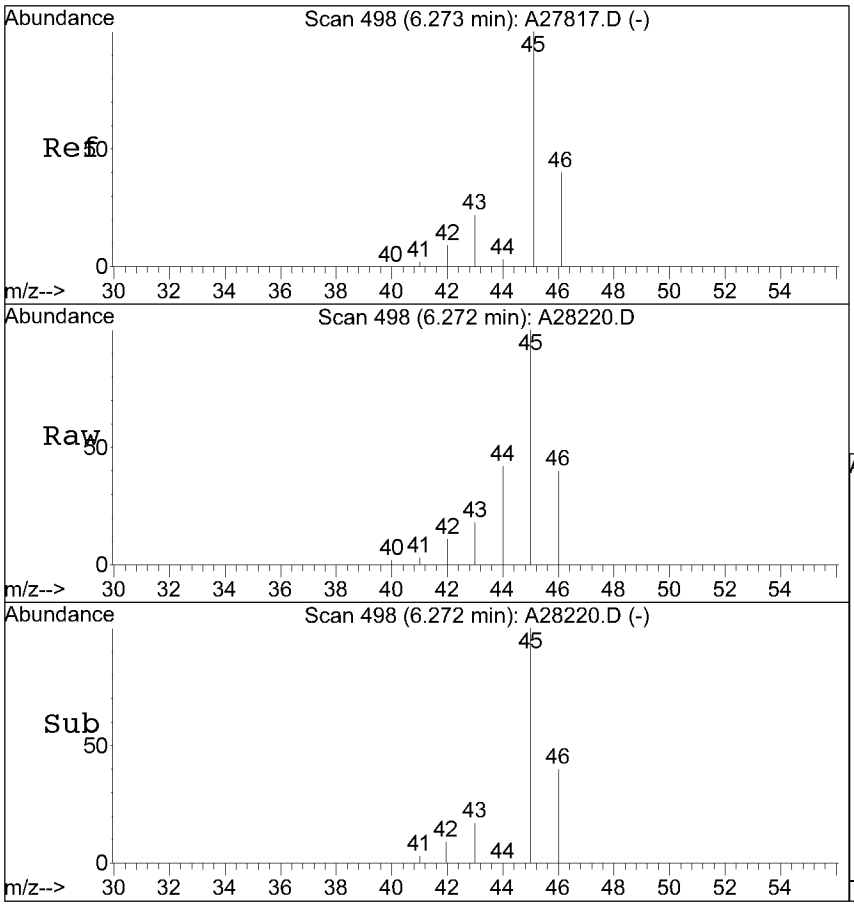


#10
ACETONE
Concen: 12.60 PPBv
RT: 6.79 min Scan# 692
Delta R.T. 0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 58 Resp: 944293

Ion	Ratio	Lower	Upper
58	100		
43	395.5	300.2	450.4

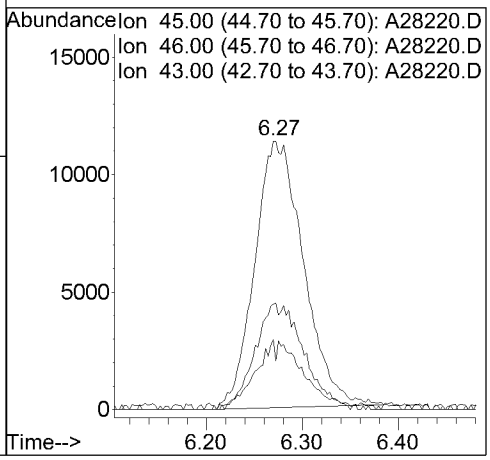


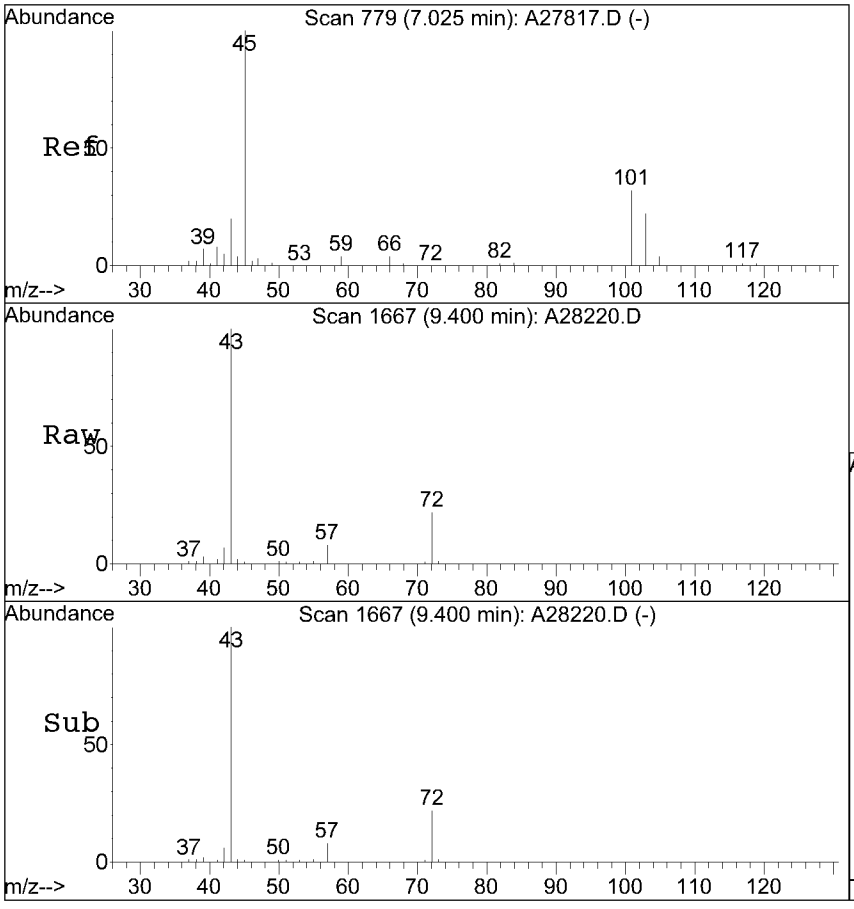


#12
ETHANOL
Concen: 7.47 PPBv
RT: 6.27 min Scan# 498
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 45 Resp: 401723

Ion	Ratio	Lower	Upper
45	100		
46	39.7	30.6	46.0
43	24.3	18.0	27.0

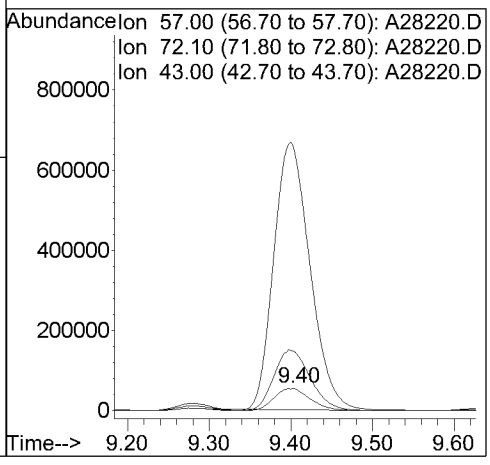


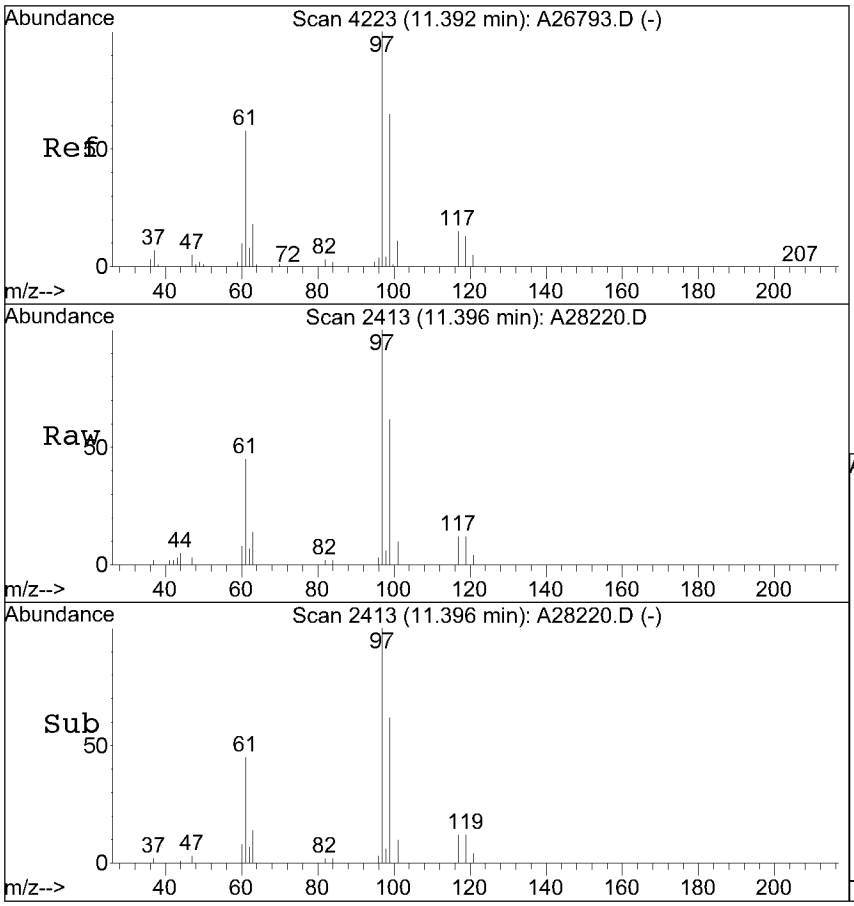


#22
2-BUTANONE(MEK)
Concen: 40.93 PPBv
RT: 9.40 min Scan# 1667
Delta R.T. -0.01 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 57 Resp: 1493931

Ion	Ratio	Lower	Upper
57	100		
72	284.3	222.2	333.4
43	1337.1	987.4	1481.0

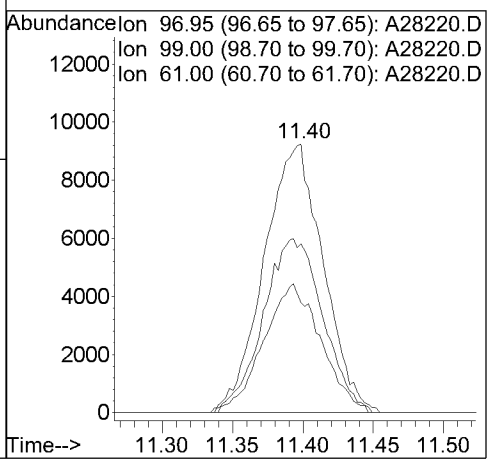


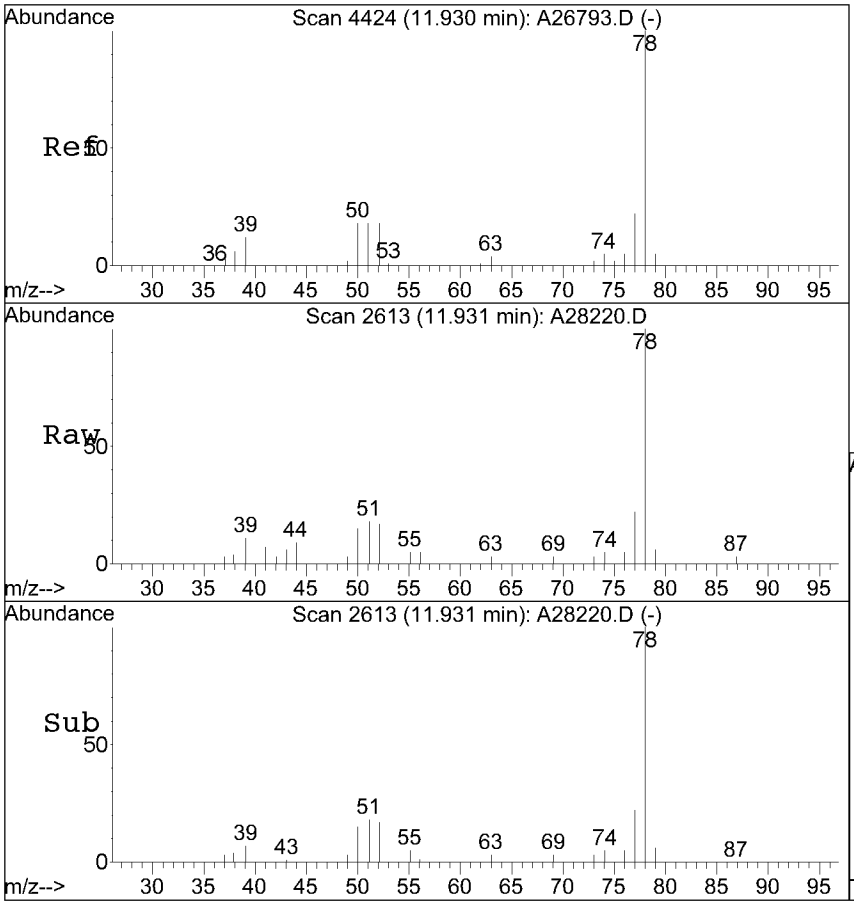


#29
1,1,1-TRICHLOROETHANE
Concen: 0.64 PPBv
RT: 11.40 min Scan# 2413
Delta R.T. 0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 97 Resp: 269652

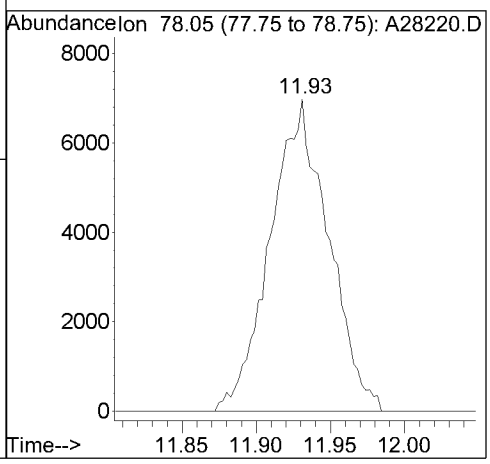
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.7	77.5
61	46.7	38.8	58.2

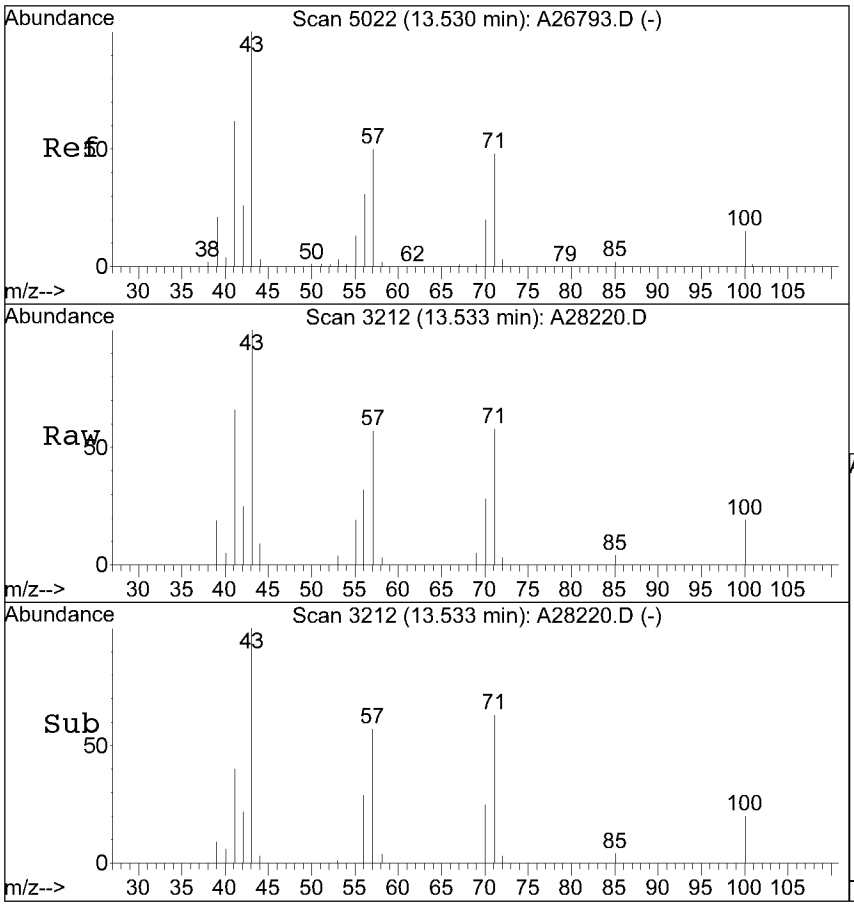




#30
BENZENE
Concen: 0.32 PPBv
RT: 11.93 min Scan# 2613
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 78 Resp: 190169

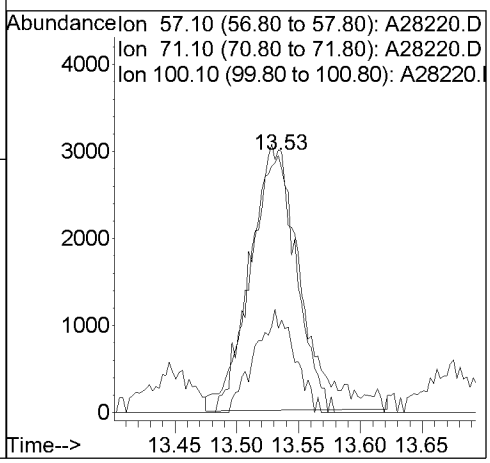


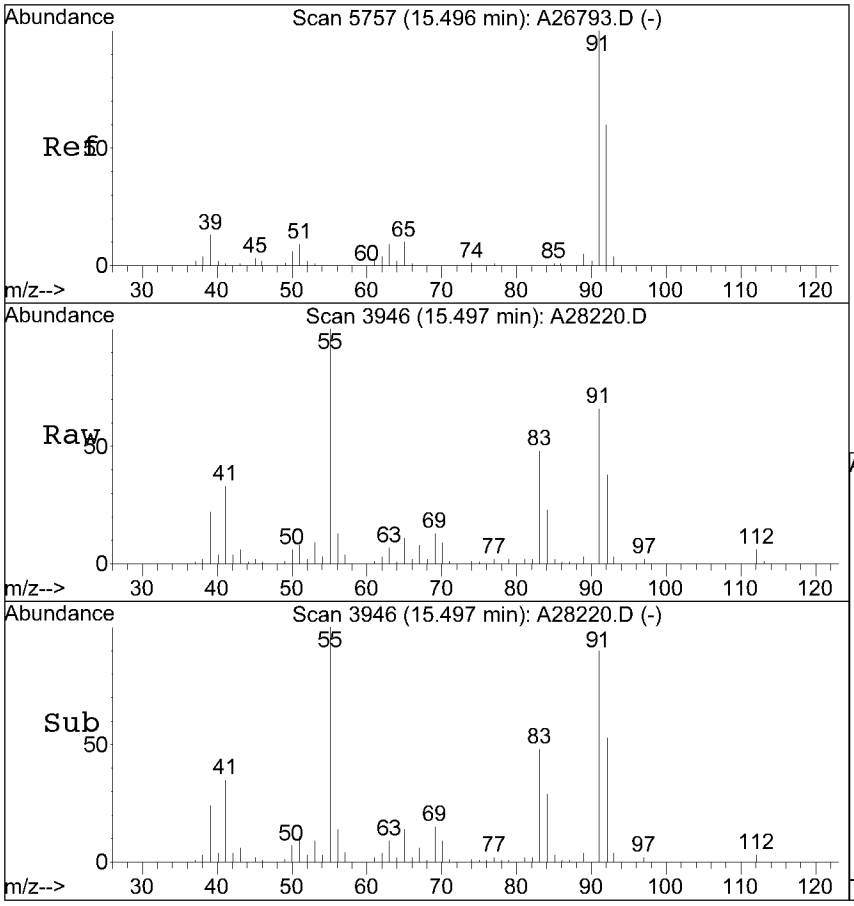


#38
HEPTANE
Concen: 0.42 PPBv
RT: 13.53 min Scan# 3212
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 57 Resp: 86308

Ion	Ratio	Lower	Upper
57	100		
71	91.2	79.0	118.4
100	0.0	25.8	38.8#

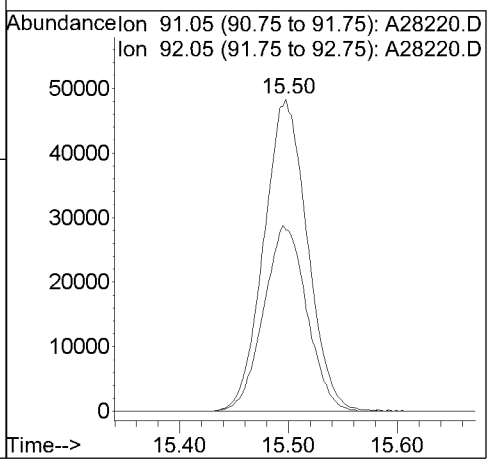


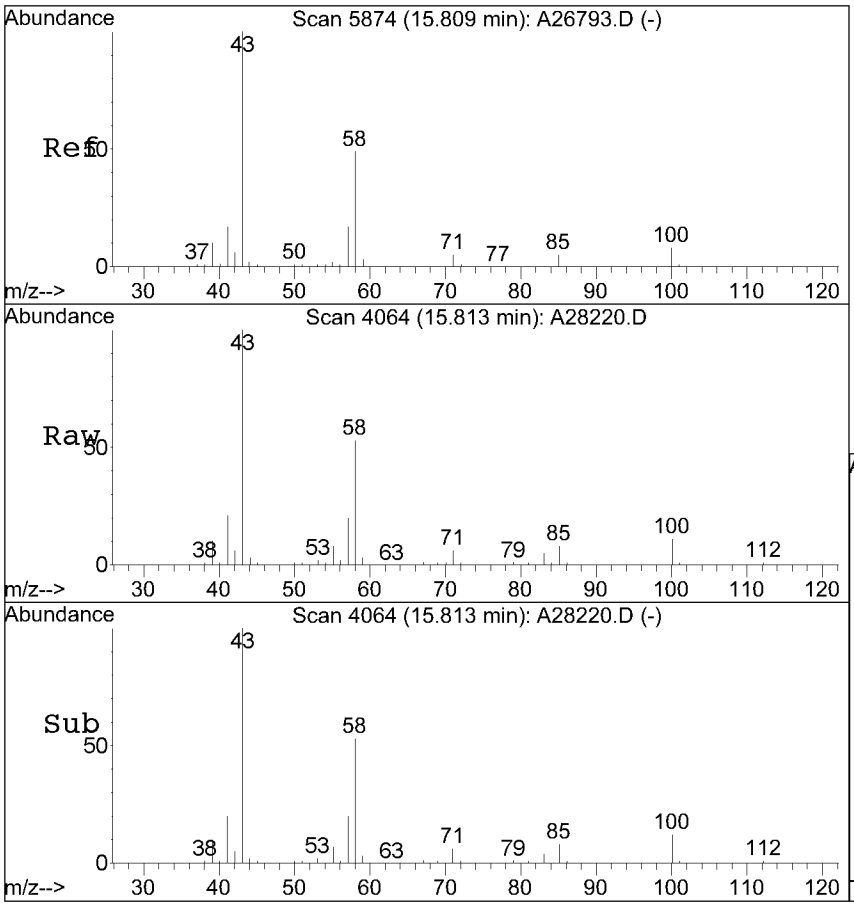


#43
TOLUENE
Concen: 1.96 PPBv
RT: 15.50 min Scan# 3946
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 91 Resp: 1342462

Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.1	72.1

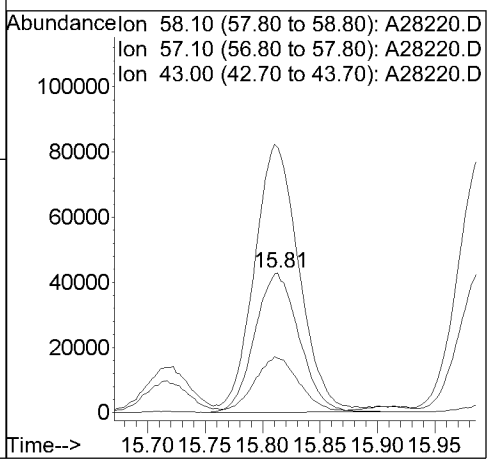


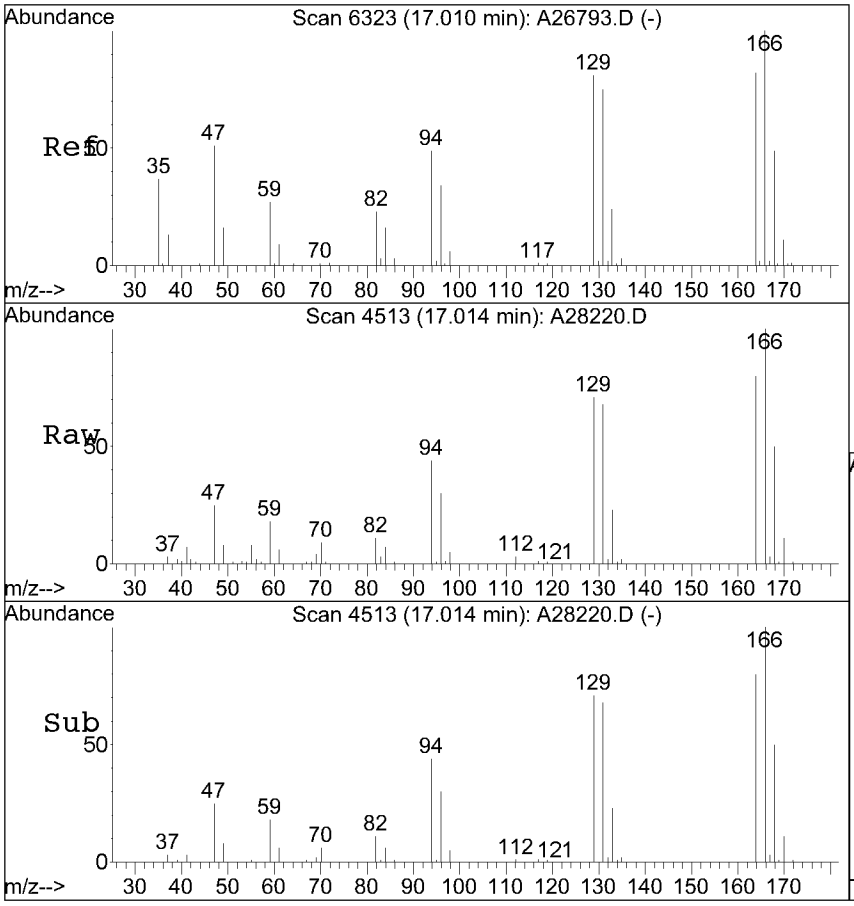


#44
2-HEXANONE(MBK)
Concen: 4.98 PPBv
RT: 15.81 min Scan# 4064
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 58 Resp: 1144127

Ion	Ratio	Lower	Upper
58	100		
57	36.4	31.0	46.4
43	184.9	151.5	227.3

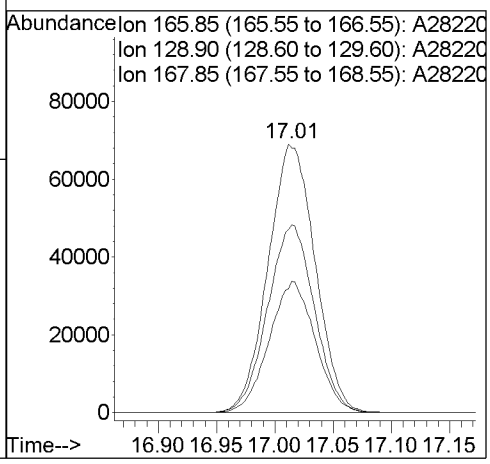


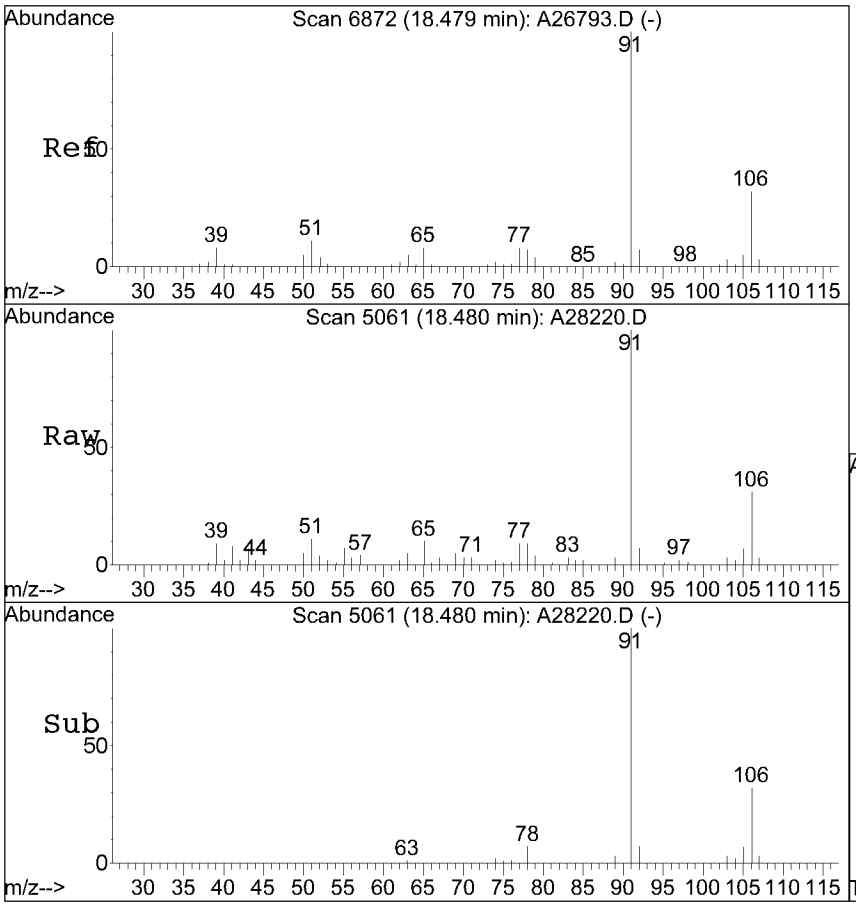


#47
TETRACHLOROETHENE
Concen: 5.76 PPBv
RT: 17.02 min Scan# 4513
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion:166 Resp: 1939702

Ion	Ratio	Lower	Upper
166	100		
129	69.5	56.6	84.8
168	47.9	38.0	57.0

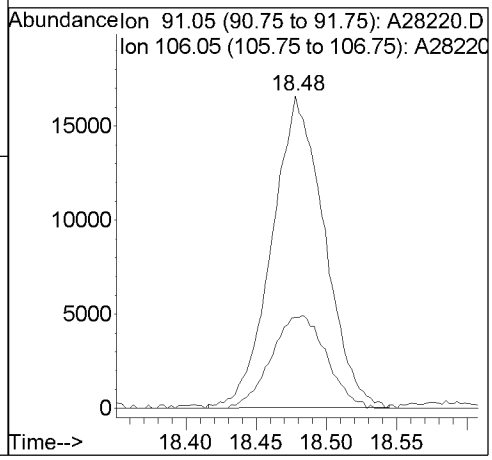


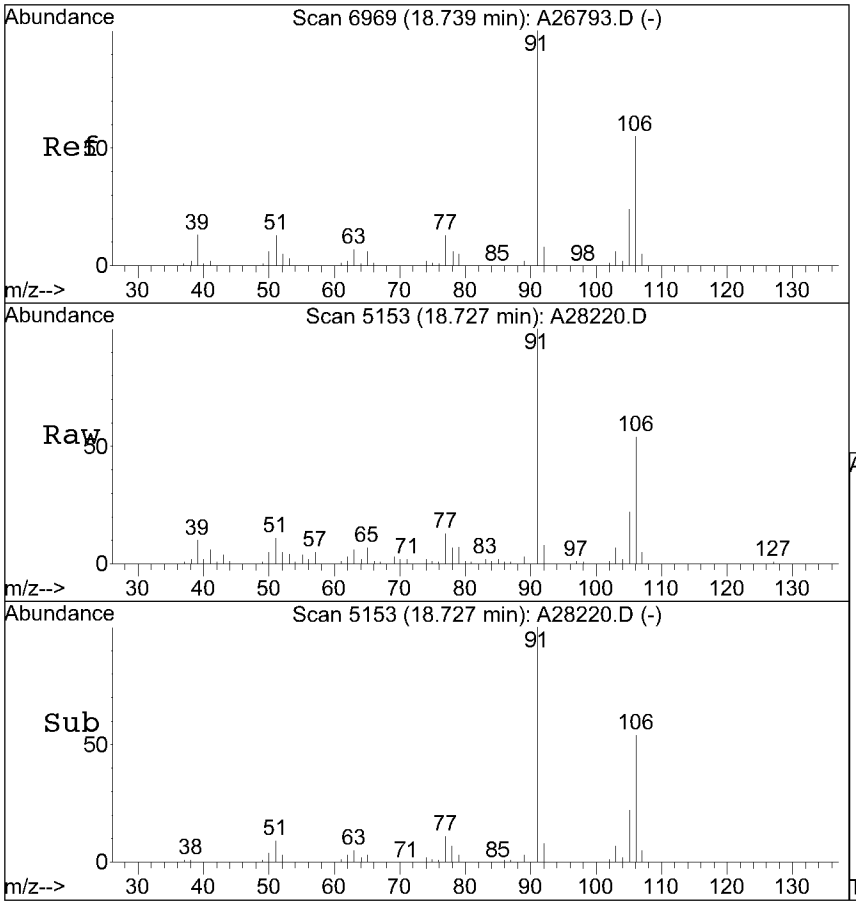


#51
ETHYLBENZENE
Concen: 0.46 PPBv
RT: 18.48 min Scan# 5061
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion: 91 Resp: 429587

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.8	38.8

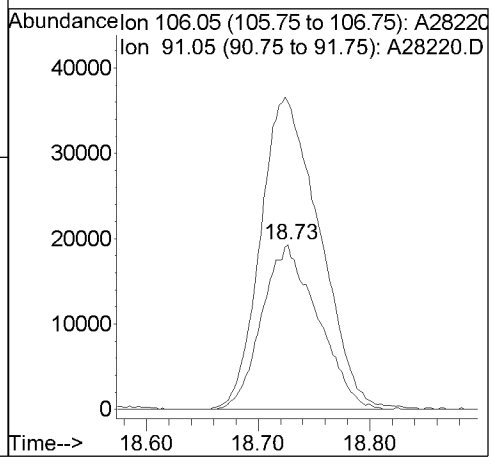


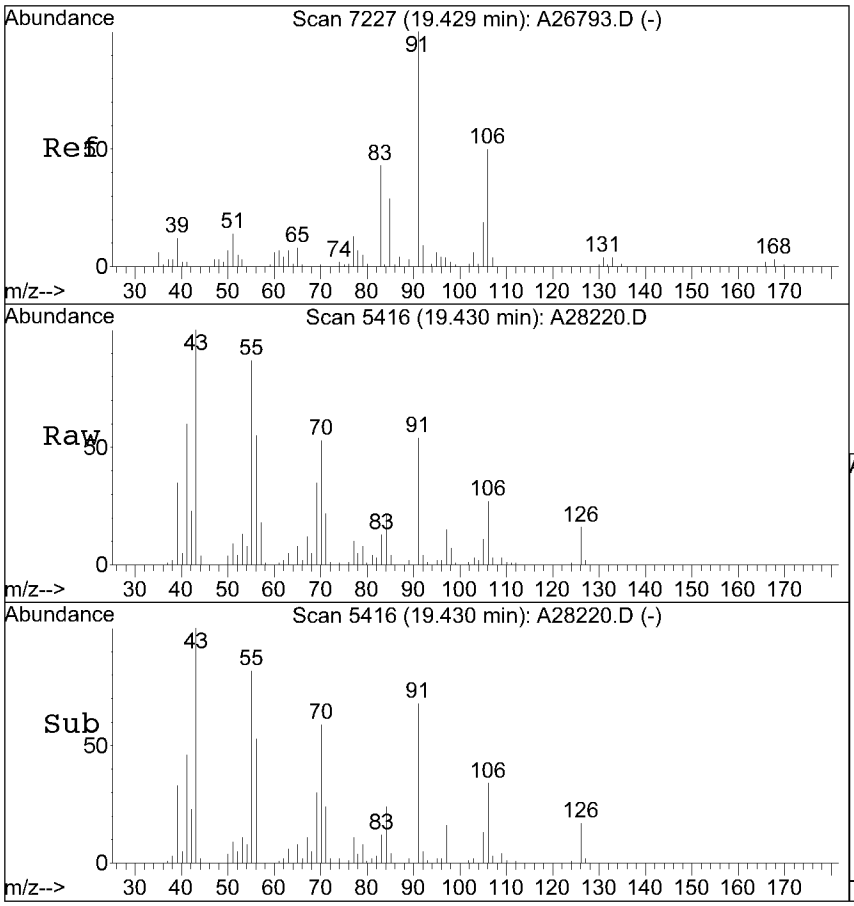


#52
M/P-XYLENE
Concen: 1.88 PPBv
RT: 18.73 min Scan# 5153
Delta R.T. -0.01 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion:106 Resp: 670975

Ion	Ratio	Lower	Upper
106	100		
91	199.6	155.7	233.5

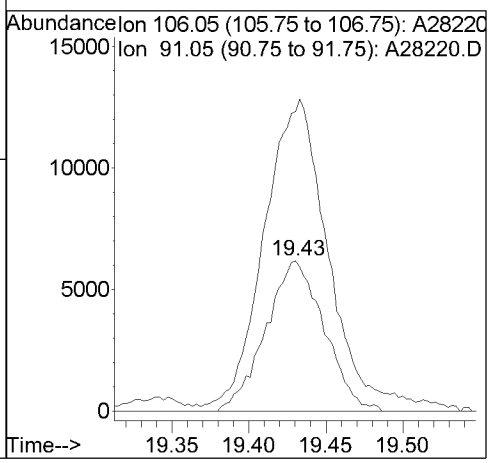


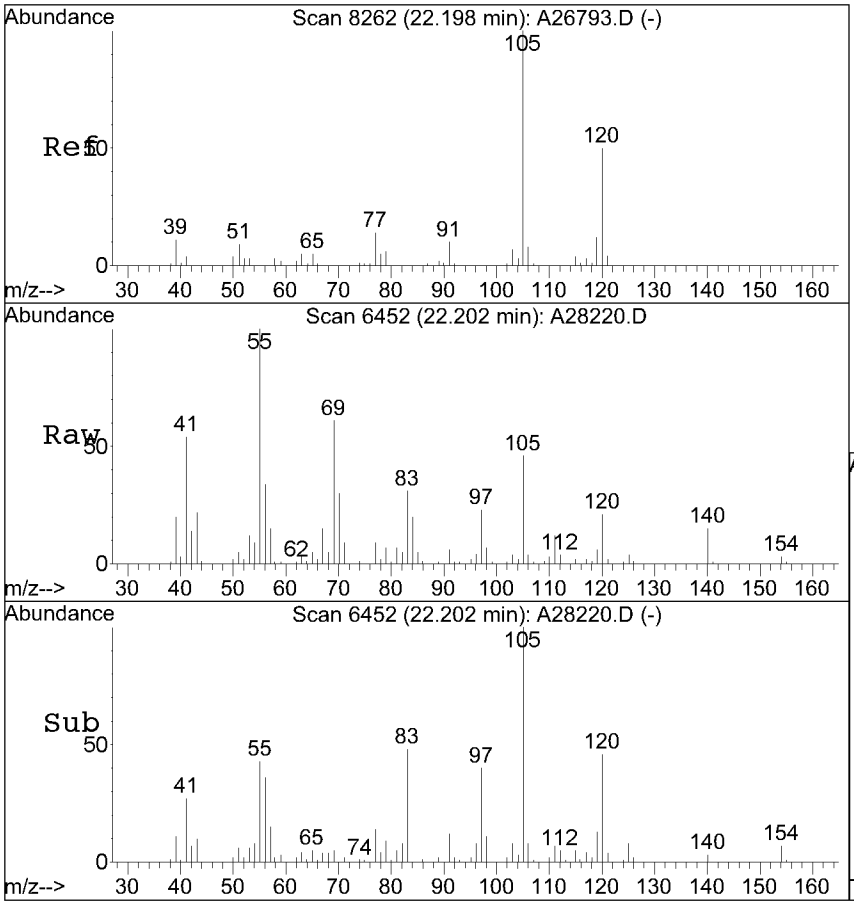


#55
O-XYLENE
Concen: 0.48 PPBv
RT: 19.43 min Scan# 5416
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion:106 Resp: 163632

Ion	Ratio	Lower	Upper
106	100		
91	227.4	169.3	253.9

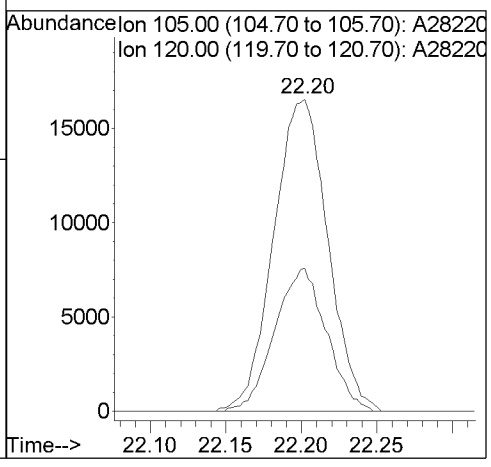




#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.48 PPBv
RT: 22.20 min Scan# 6452
Delta R.T. -0.00 min
Lab File: A28220.D
Acq: 29 Apr 2008 5:14 pm

Tgt Ion:105 Resp: 412390

Ion	Ratio	Lower	Upper
105	100		
120	43.7	35.0	52.4



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28221.D Vial: 7
Acq On : 29 Apr 2008 5:55 pm Operator: WB
Sample : sa77688-08 @ sv33-55 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:21 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

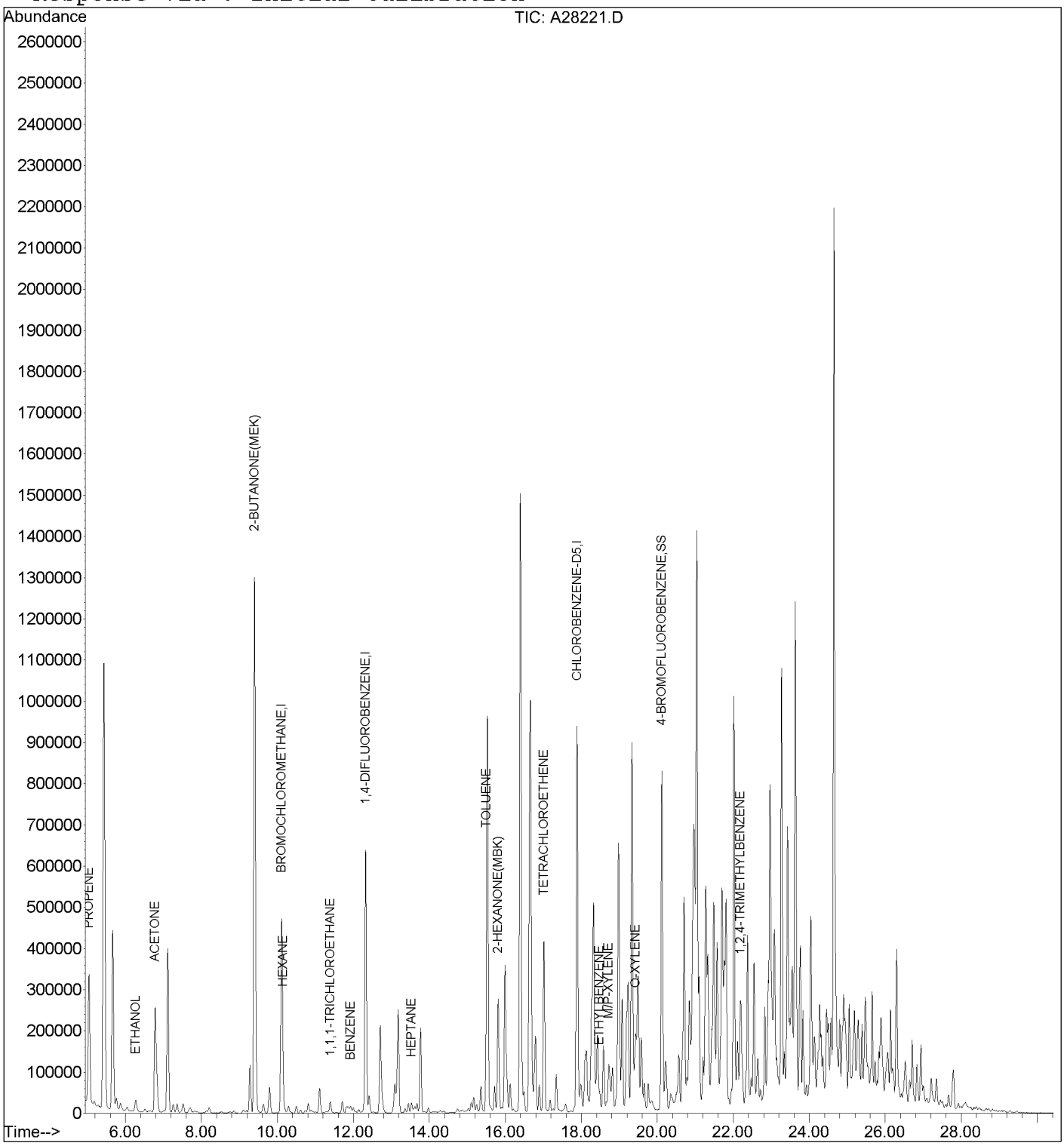
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1390930	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7313205	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.89	82	3756175	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.12	95	4781321	9.90	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.00%			
Target Compounds						Qvalue
2) PROPENE	5.04	42	2125172	16.53	PPBv	96
10) ACETONE	6.79	58	2458826	33.08	PPBv #	28
12) ETHANOL	6.27	45	537130	10.07	PPBv	96
22) 2-BUTANONE(MEK)	9.40	57	1896471	52.40	PPBv	85
24) HEXANE	10.15	57	231101	0.71	PPBv #	58
29) 1,1,1-TRICHLOROETHANE	11.39	97	268953	0.64	PPBv	98
30) BENZENE	11.93	78	200752	0.34	PPBv	100
38) HEPTANE	13.53	57	91058	0.44	PPBv #	80
43) TOLUENE	15.50	91	1396083	2.05	PPBv	98
44) 2-HEXANONE(MBK)	15.81	58	1438898	6.30	PPBv	97
47) TETRACHLOROETHENE	17.02	166	1901842	5.68	PPBv	99
51) ETHYLBENZENE	18.48	91	440345	0.48	PPBv	98
52) M/P-XYLENE	18.72	106	678969	1.91	PPBv	96
55) O-XYLENE	19.43	106	164445	0.49	PPBv	81
61) 1,2,4-TRIMETHYLBENZENE	22.20	105	419402	0.49	PPBv	100

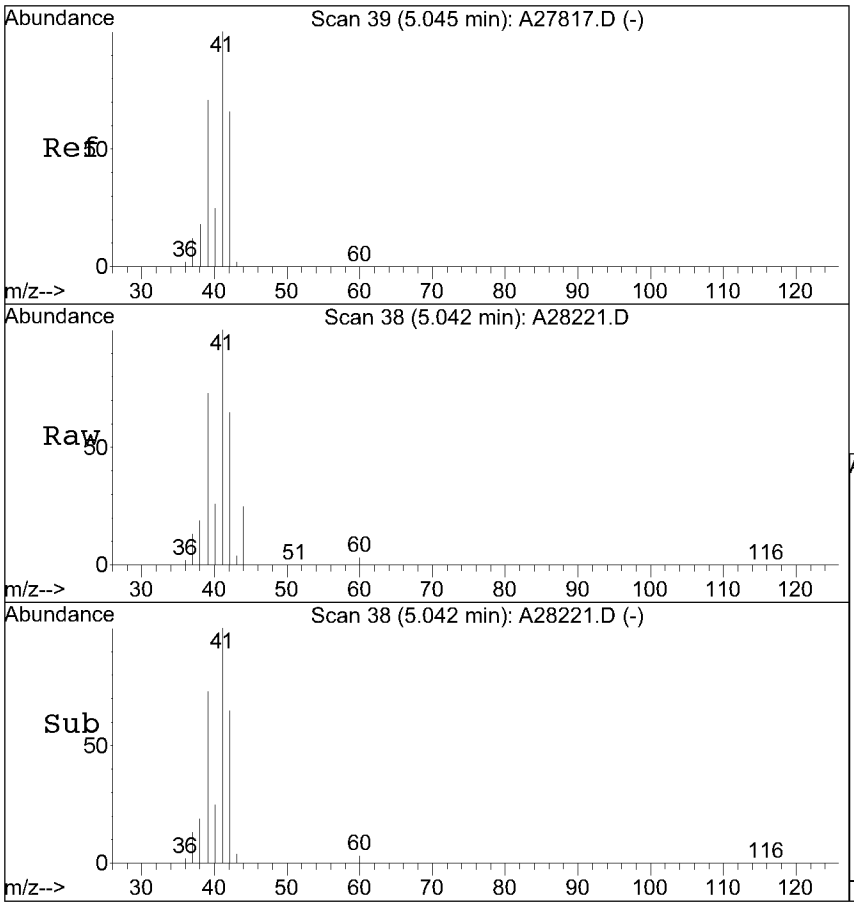
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28221.D Vial: 7
Acq On : 29 Apr 2008 5:55 pm Operator: WB
Sample : sa77688-08 @ sv33-55 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:21 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

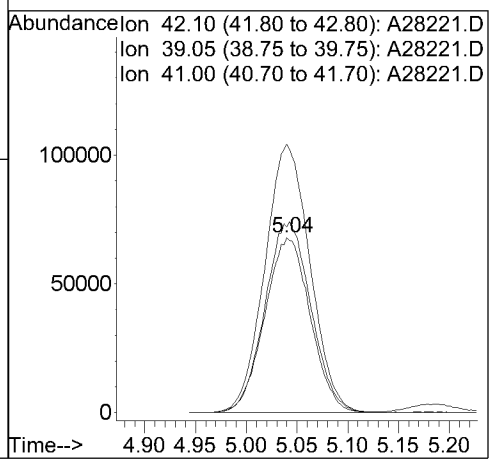


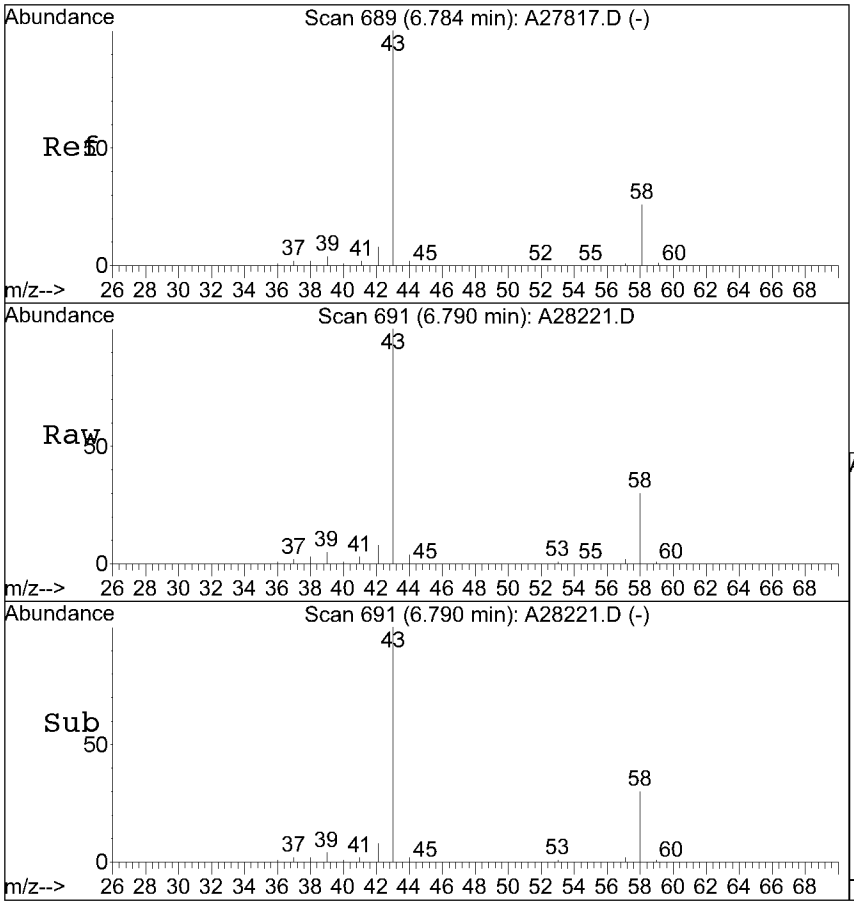


#2
PROPENE
Concen: 16.53 PPBv
RT: 5.04 min Scan# 38
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 42 Resp: 2125172

Ion	Ratio	Lower	Upper
42	100		
39	109.8	83.8	125.6
41	152.2	118.4	177.6

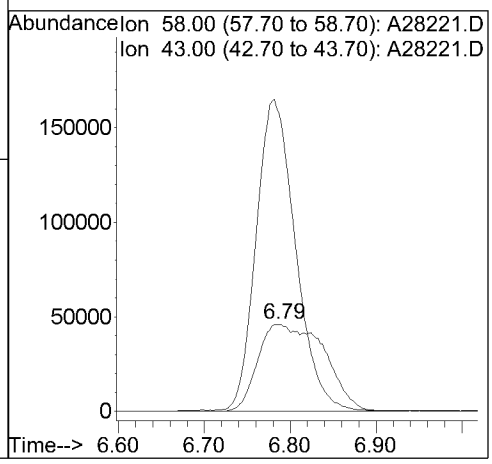


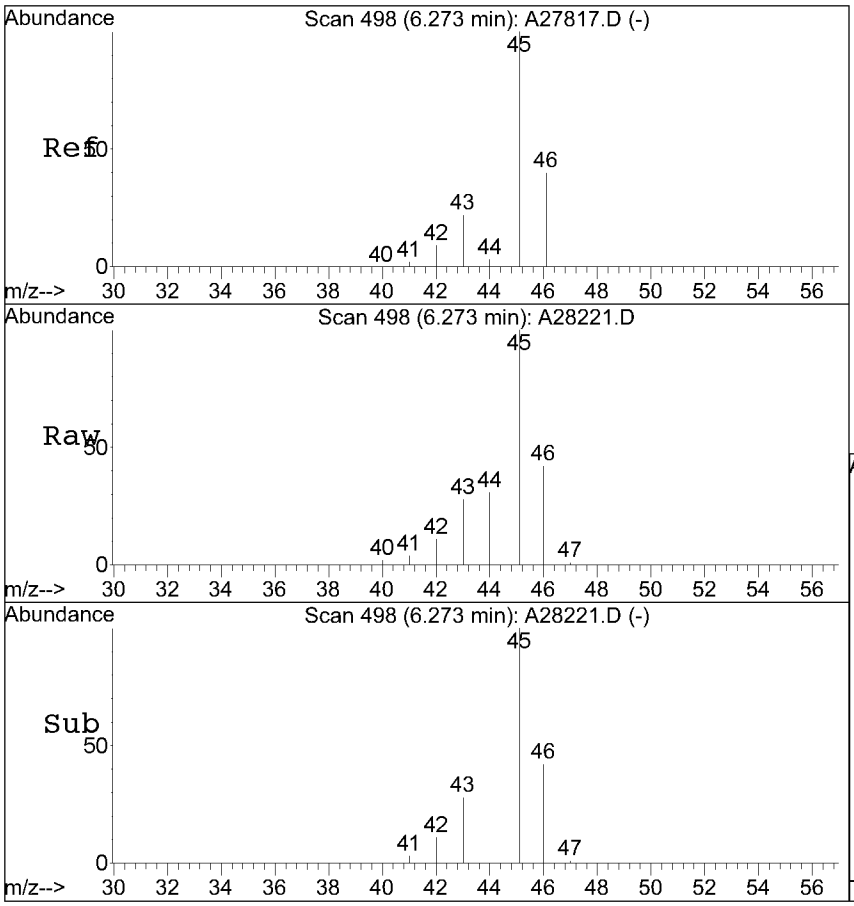


#10
ACETONE
Concen: 33.08 PPBv
RT: 6.79 min Scan# 691
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 58 Resp: 2458826

Ion	Ratio	Lower	Upper
58	100		
43	211.9	300.2	450.4#

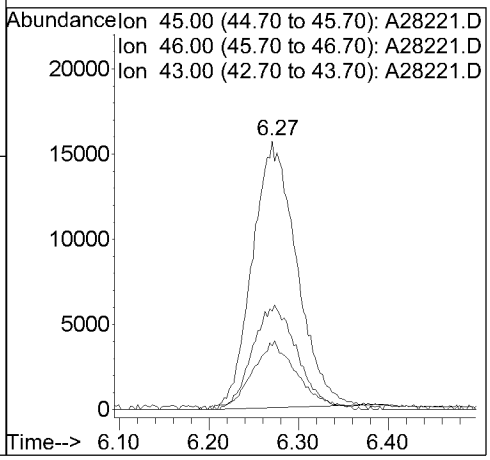


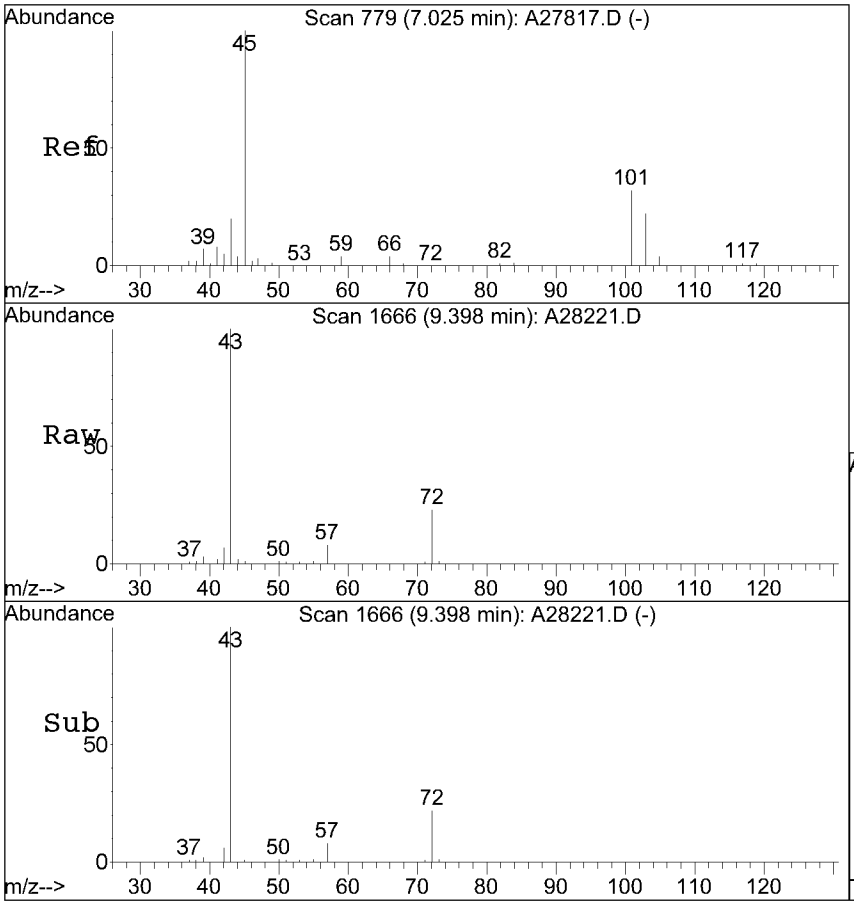


#12
ETHANOL
Concen: 10.07 PPBv
RT: 6.27 min Scan# 498
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 45 Resp: 537130

Ion	Ratio	Lower	Upper
45	100		
46	40.0	30.6	46.0
43	25.2	18.0	27.0

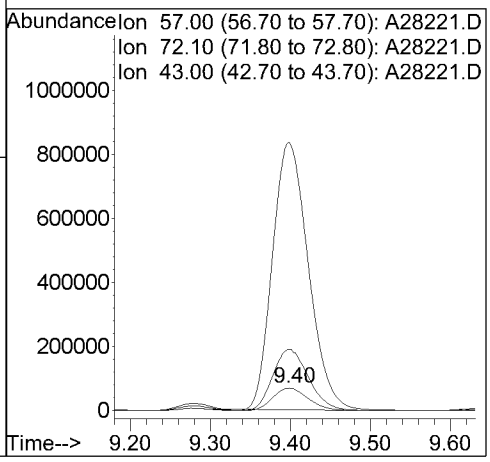


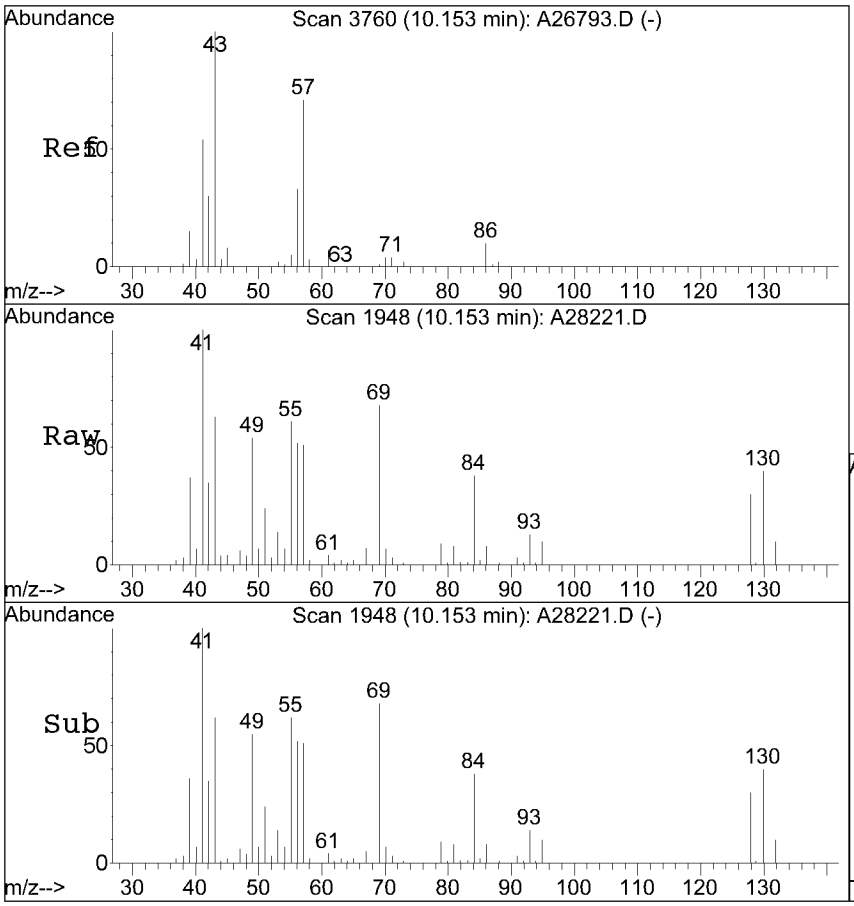


#22
2-BUTANONE(MEK)
Concen: 52.40 PPBv
RT: 9.40 min Scan# 1666
Delta R.T. -0.01 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 57 Resp: 1896471

Ion	Ratio	Lower	Upper
57	100		
72	281.1	222.2	333.4
43	1329.9	987.4	1481.0

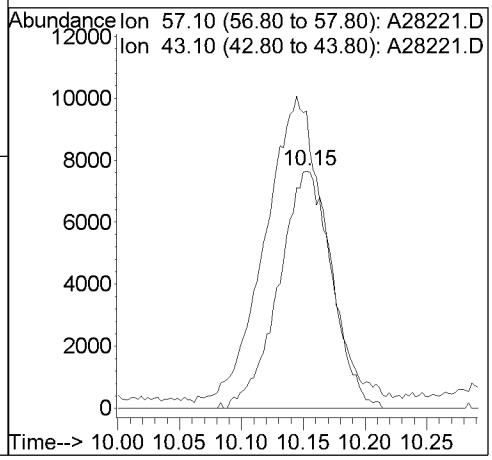


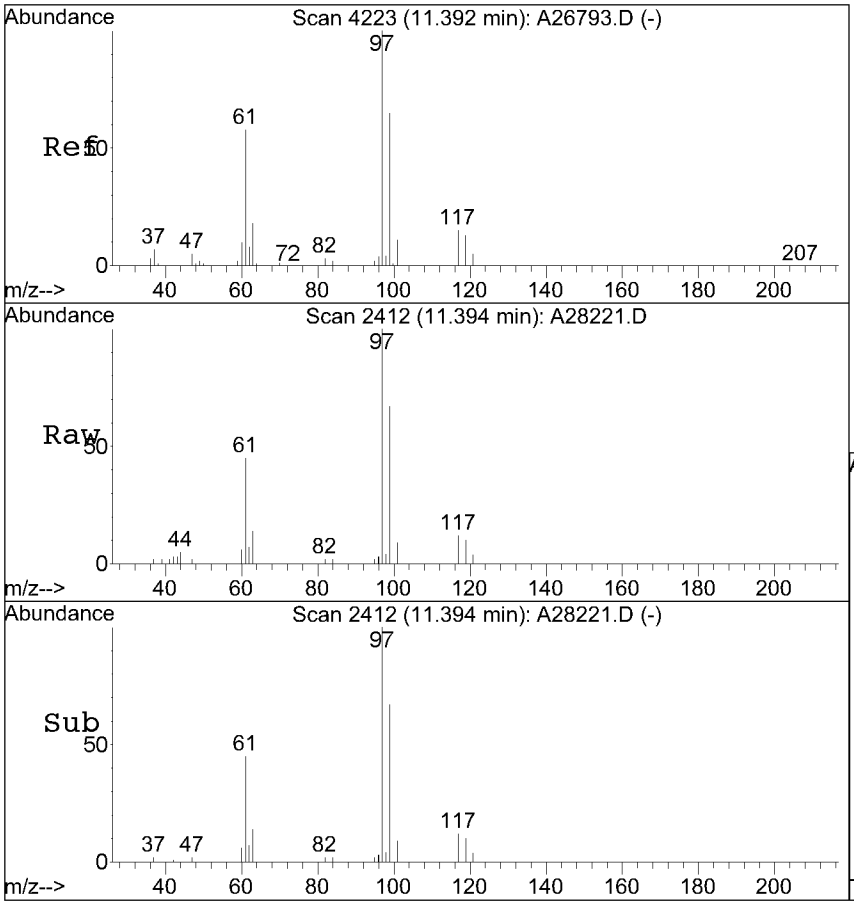


#24
HEXANE
Concen: 0.71 PPBv
RT: 10.15 min Scan# 1948
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 57 Resp: 231101

Ion	Ratio	Lower	Upper
57	100		
43	140.0	163.9	245.9#

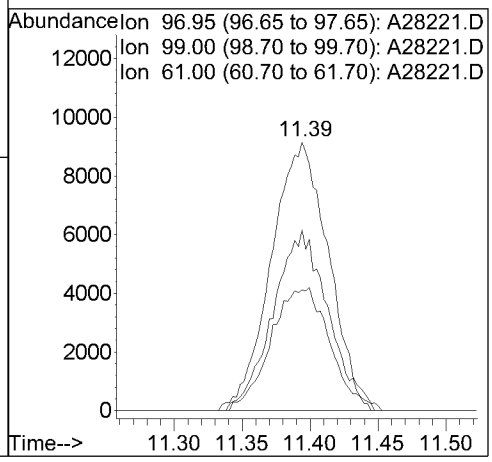


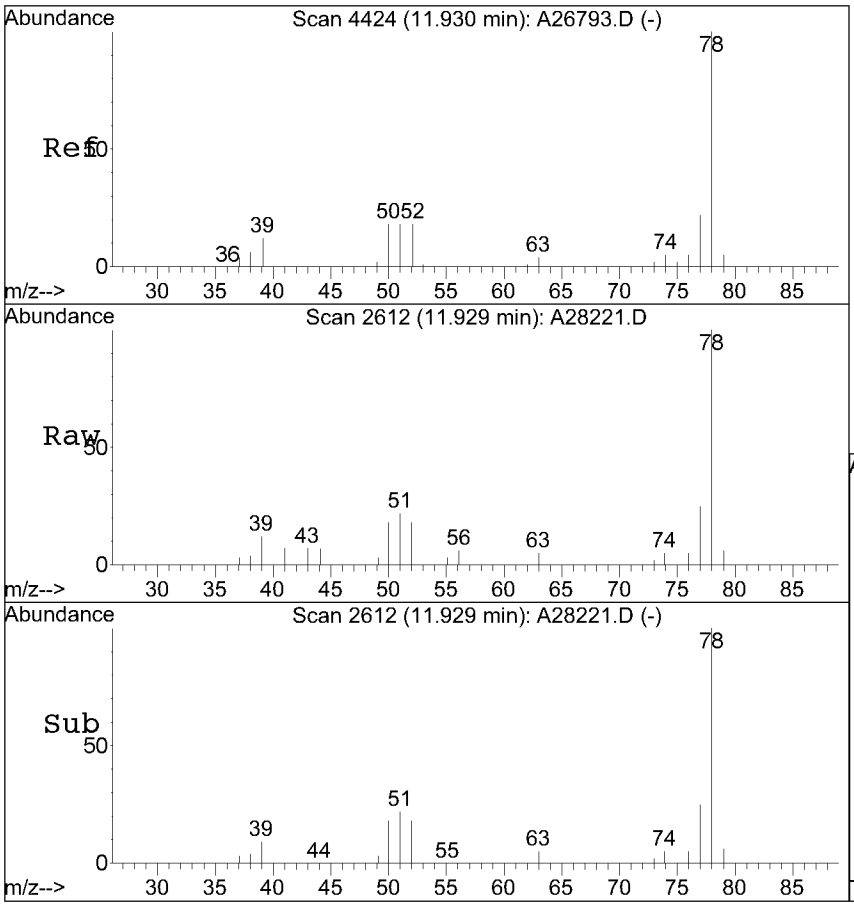


#29
1,1,1-TRICHLOROETHANE
Concen: 0.64 PPBv
RT: 11.39 min Scan# 2412
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 97 Resp: 268953

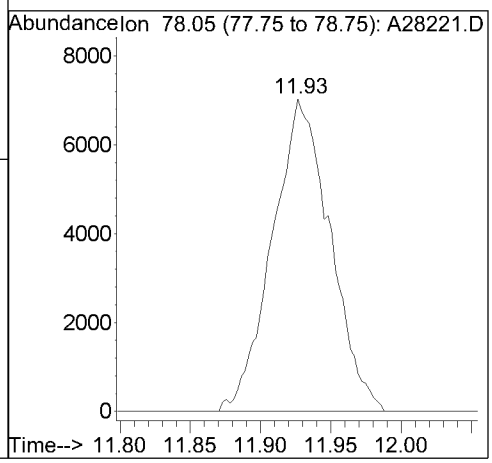
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.7	77.5
61	46.6	38.8	58.2

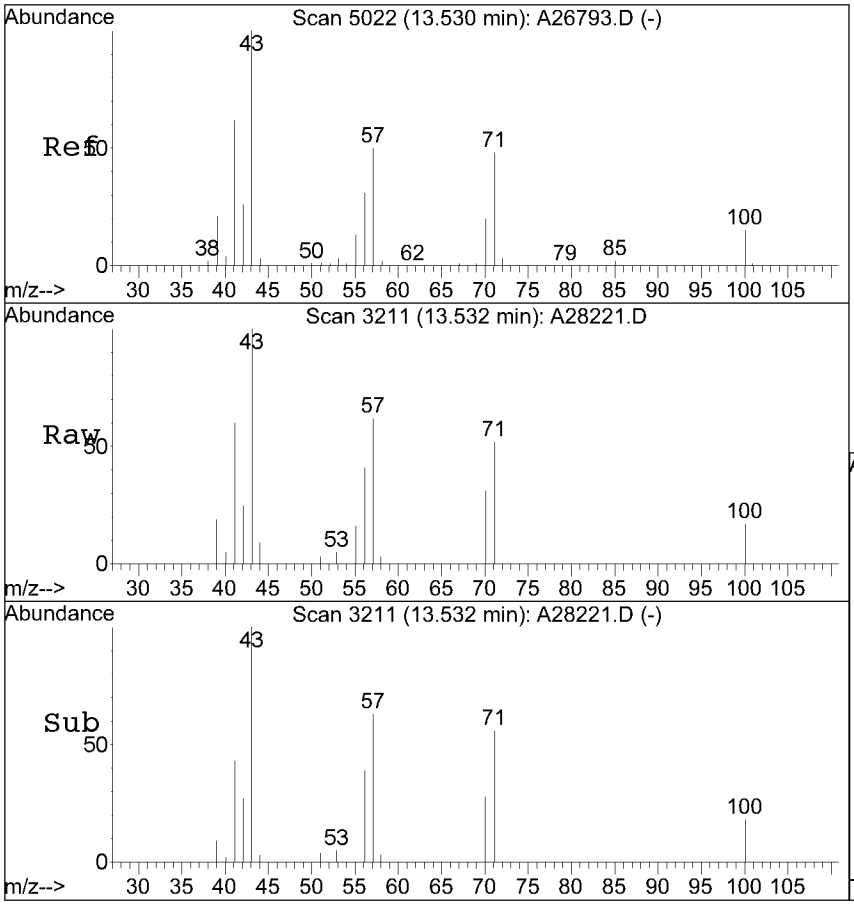




#30
BENZENE
Concen: 0.34 PPBv
RT: 11.93 min Scan# 2612
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 78 Resp: 200752

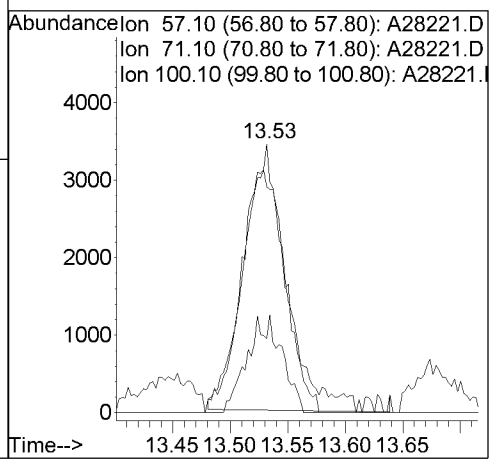


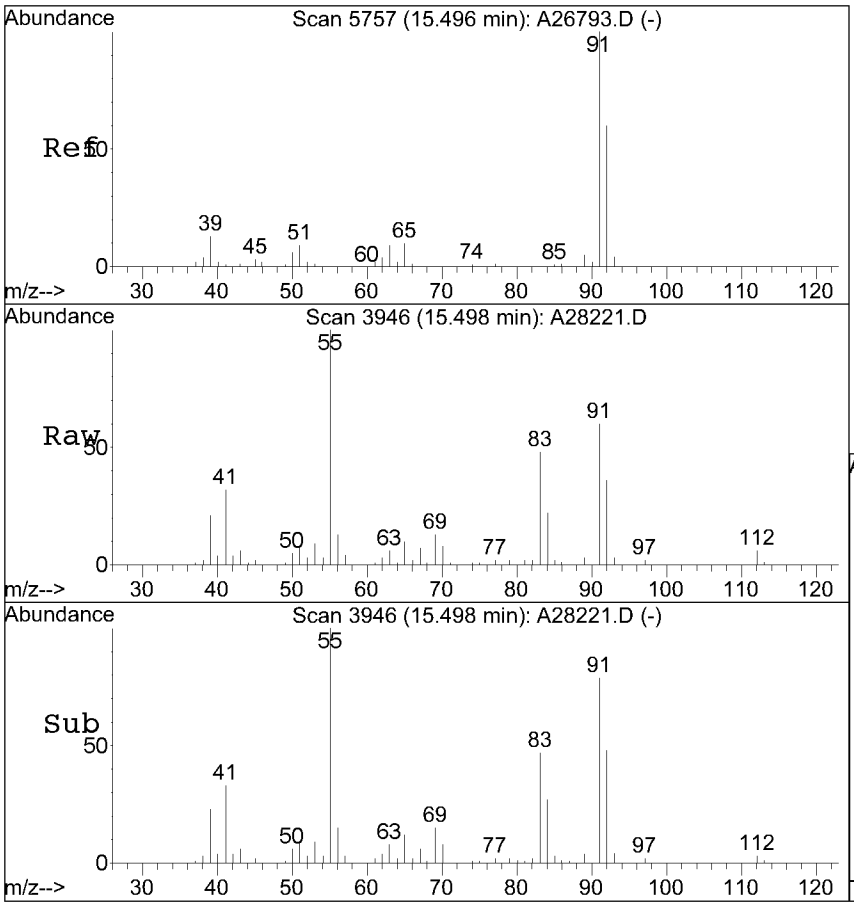


#38
HEPTANE
Concen: 0.44 PPBv
RT: 13.53 min Scan# 3211
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 57 Resp: 91058

Ion	Ratio	Lower	Upper
57	100		
71	90.5	79.0	118.4
100	0.0	25.8	38.8#

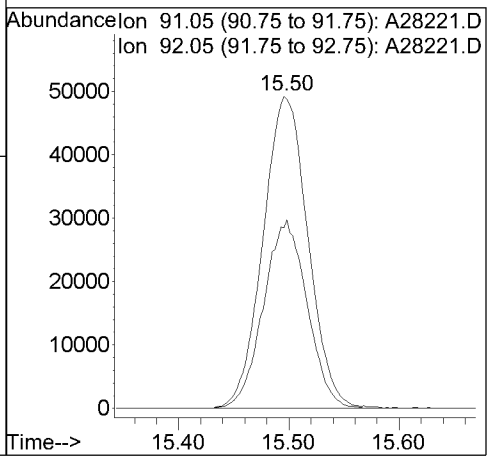


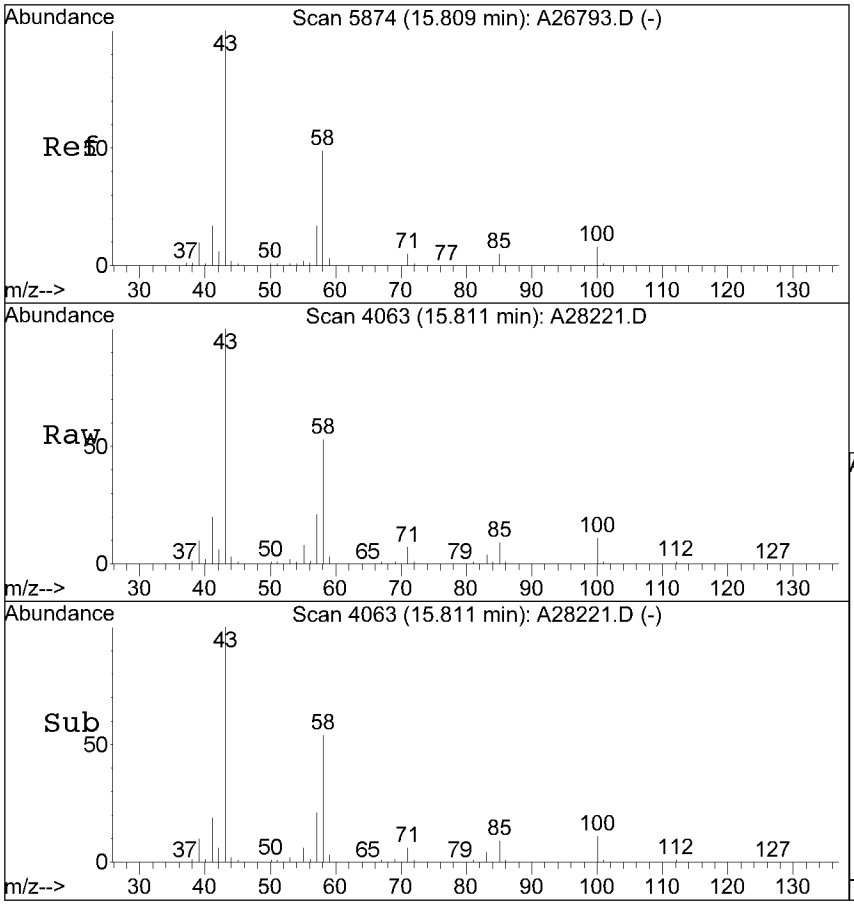


#43
TOLUENE
Concen: 2.05 PPBv
RT: 15.50 min Scan# 3946
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 91 Resp: 1396083

Ion	Ratio	Lower	Upper
91	100		
92	58.5	48.1	72.1

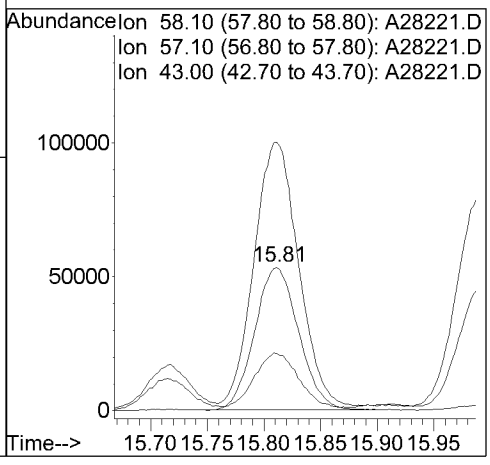


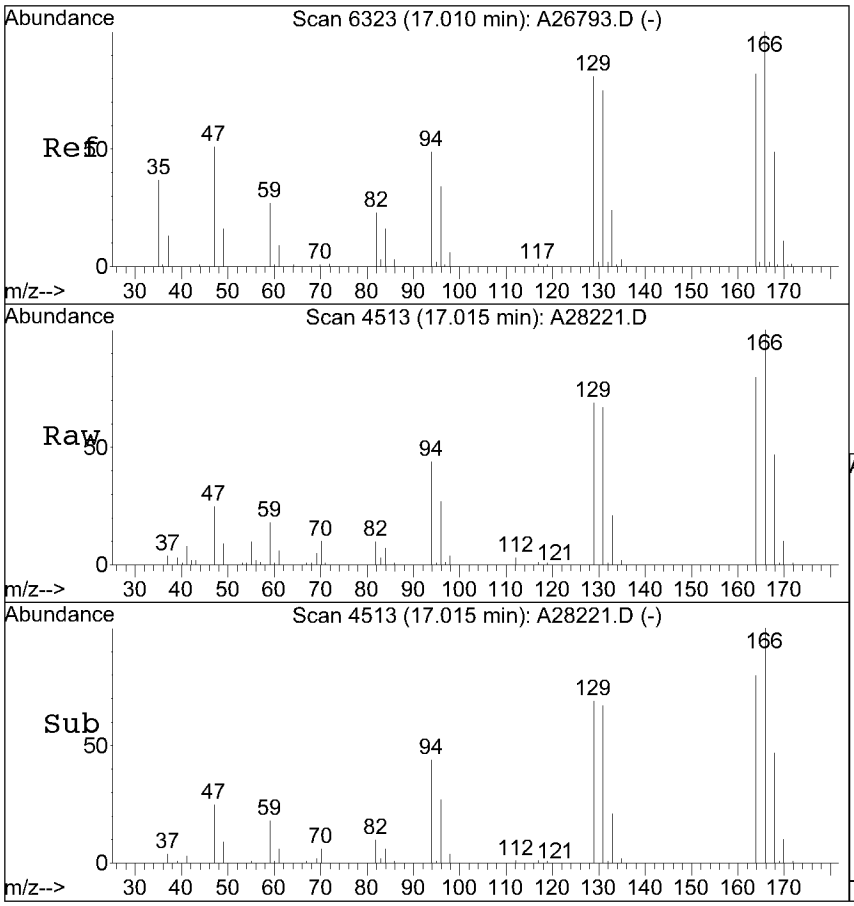


#44
2-HEXANONE(MBK)
Concen: 6.30 PPBv
RT: 15.81 min Scan# 4063
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 58 Resp: 1438898

Ion	Ratio	Lower	Upper
58	100		
57	37.2	31.0	46.4
43	184.9	151.5	227.3

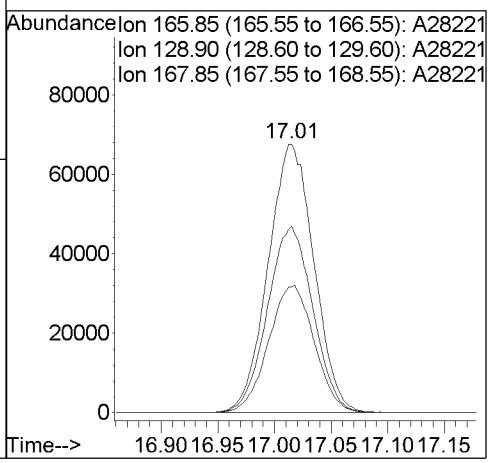


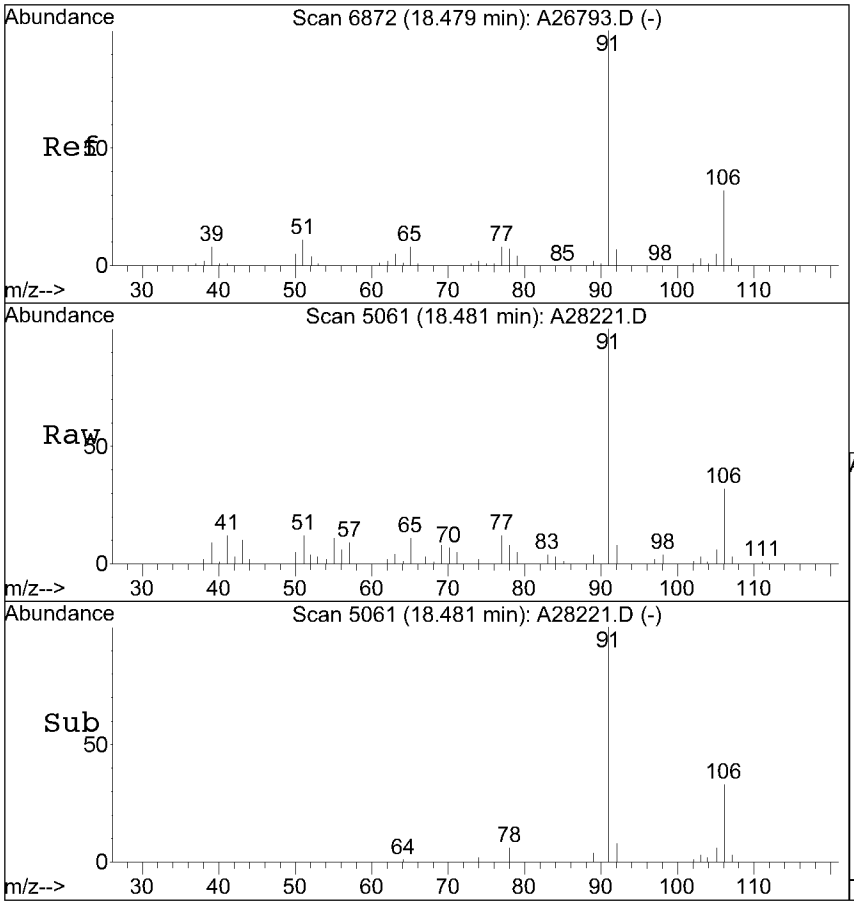


#47
TETRACHLOROETHENE
Concen: 5.68 PPBv
RT: 17.02 min Scan# 4513
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion:166 Resp: 1901842

Ion	Ratio	Lower	Upper
166	100		
129	68.9	56.6	84.8
168	47.4	38.0	57.0

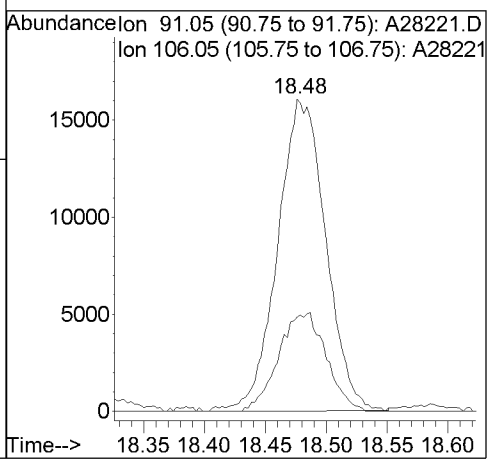


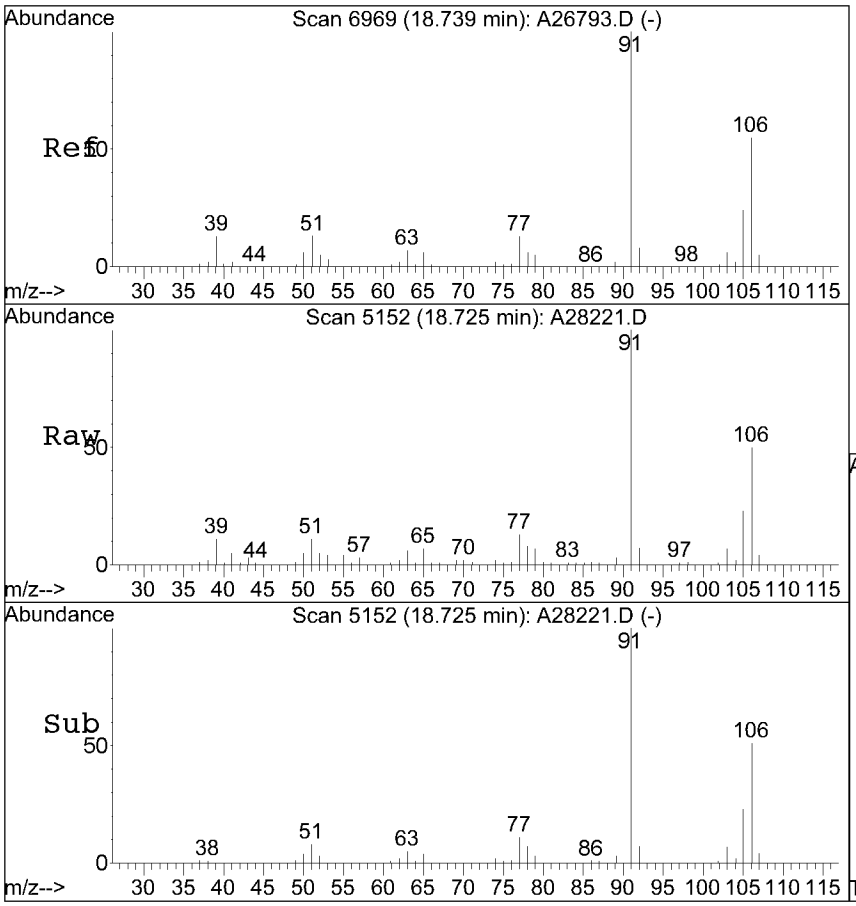


#51
ETHYLBENZENE
Concen: 0.48 PPBv
RT: 18.48 min Scan# 5061
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion: 91 Resp: 440345

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.8	38.8

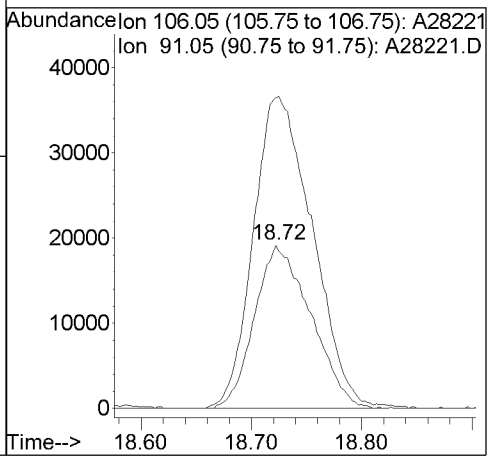


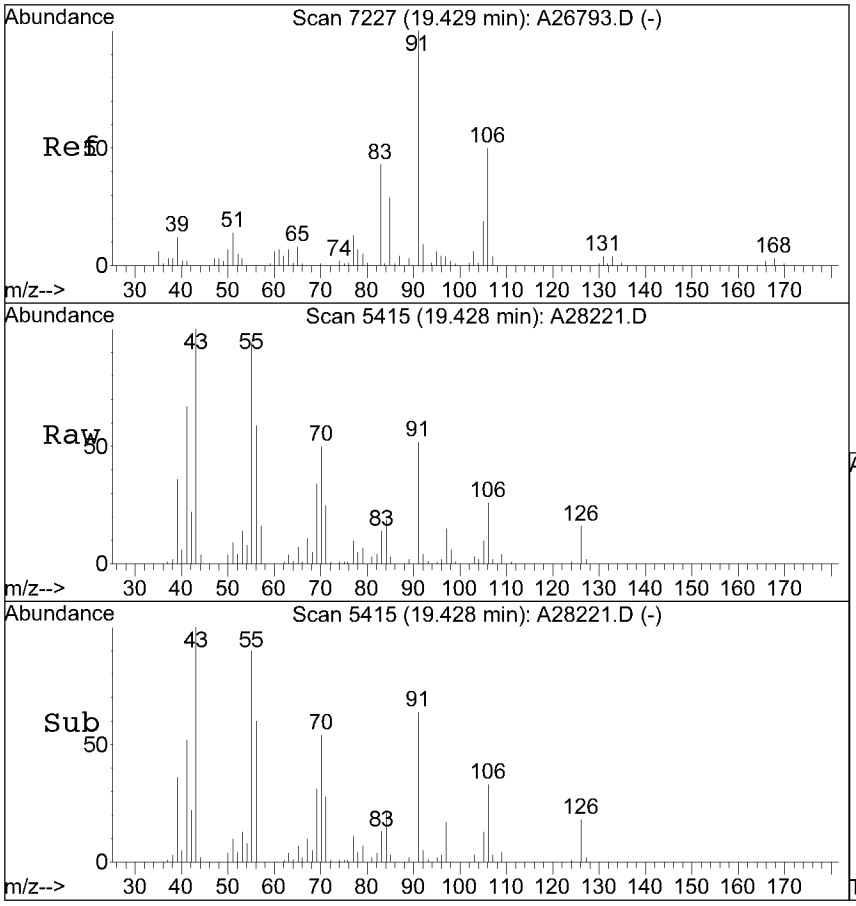


#52
M/P-XYLENE
Concen: 1.91 PPBv
RT: 18.72 min Scan# 5152
Delta R.T. -0.02 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion:106 Resp: 678969

Ion	Ratio	Lower	Upper
106	100		
91	200.9	155.7	233.5

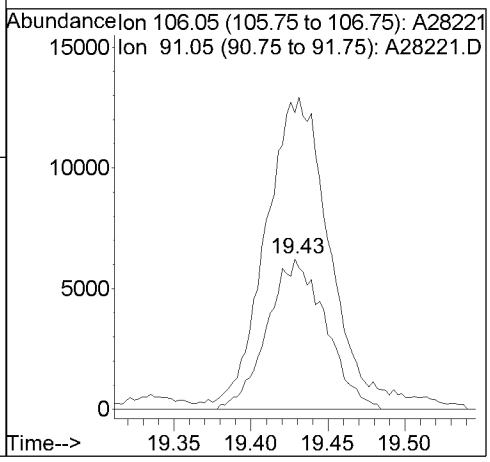


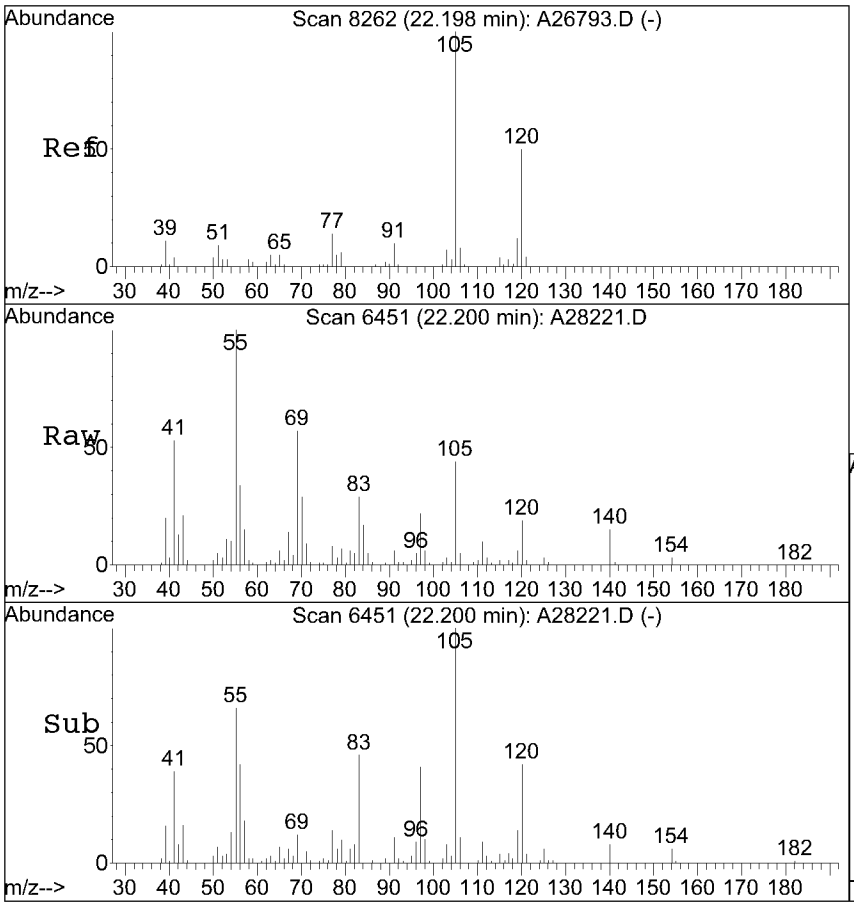


#55
O-XYLENE
Concen: 0.49 PPBv
RT: 19.43 min Scan# 5415
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion:106 Resp: 164445

Ion	Ratio	Lower	Upper
106	100		
91	241.7	169.3	253.9

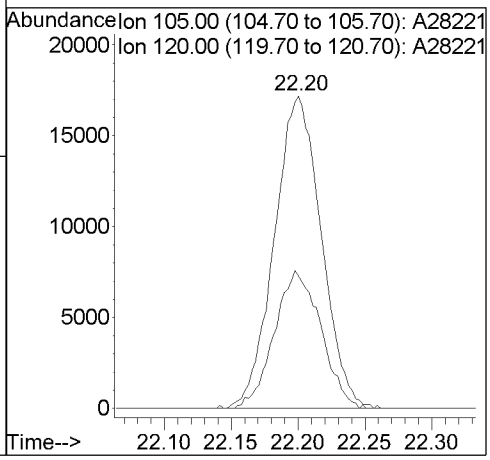




#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.49 PPBv
RT: 22.20 min Scan# 6451
Delta R.T. -0.00 min
Lab File: A28221.D
Acq: 29 Apr 2008 5:55 pm

Tgt Ion:105 Resp: 419402

Ion	Ratio	Lower	Upper
105	100		
120	43.6	35.0	52.4



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28222.D Vial: 8
Acq On : 29 Apr 2008 6:36 pm Operator: WB
Sample : sa77688-09 @ sv4-8 4x to-15 Inst : GCMS Air
Misc : 4 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:27 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

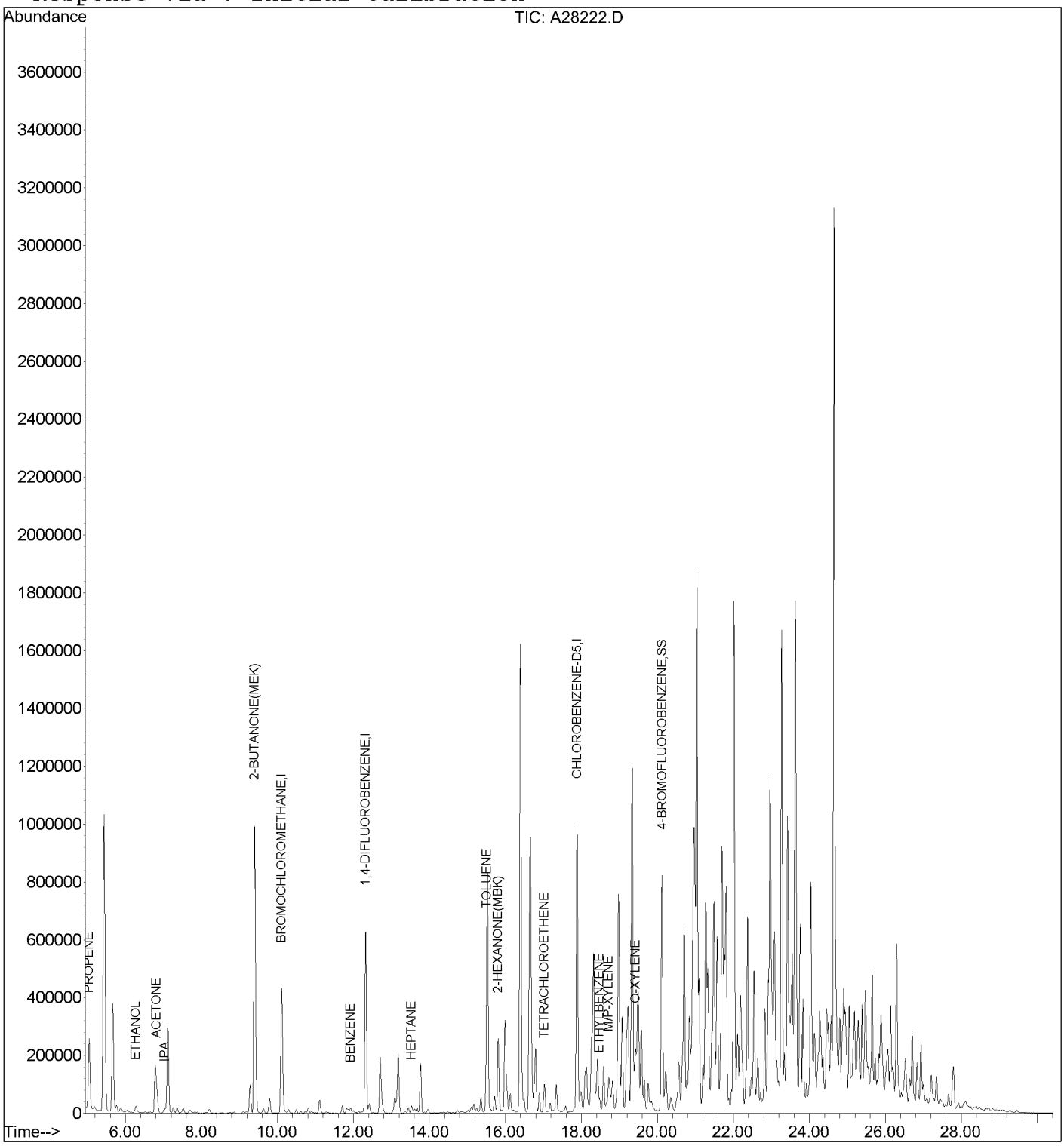
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1383292	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7268210	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.89	82	3783048	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.12	95	4770285	9.81	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.10%			
Target Compounds						Qvalue
2) PROPENE	5.05	42	1651769	12.92	PPBv	95
10) ACETONE	6.83	58	1851044	25.04	PPBv #	1
12) ETHANOL	6.28	45	439756	8.29	PPBv	98
21) IPA	7.03	45	373102	1.18	PPBv #	61
22) 2-BUTANONE(MEK)	9.40	57	1440872	40.03	PPBv	83
30) BENZENE	11.93	78	212751	0.36	PPBv	100
38) HEPTANE	13.53	57	106996	0.53	PPBv #	73
43) TOLUENE	15.50	91	1317969	1.95	PPBv	98
44) 2-HEXANONE(MBK)	15.81	58	1356626	5.98	PPBv	95
47) TETRACHLOROETHENE	17.02	166	220567	0.66	PPBv	99
51) ETHYLBENZENE	18.48	91	437614	0.47	PPBv	100
52) M/P-XYLENE	18.73	106	655876	1.84	PPBv	95
55) O-XYLENE	19.43	106	148252	0.44	PPBv	81

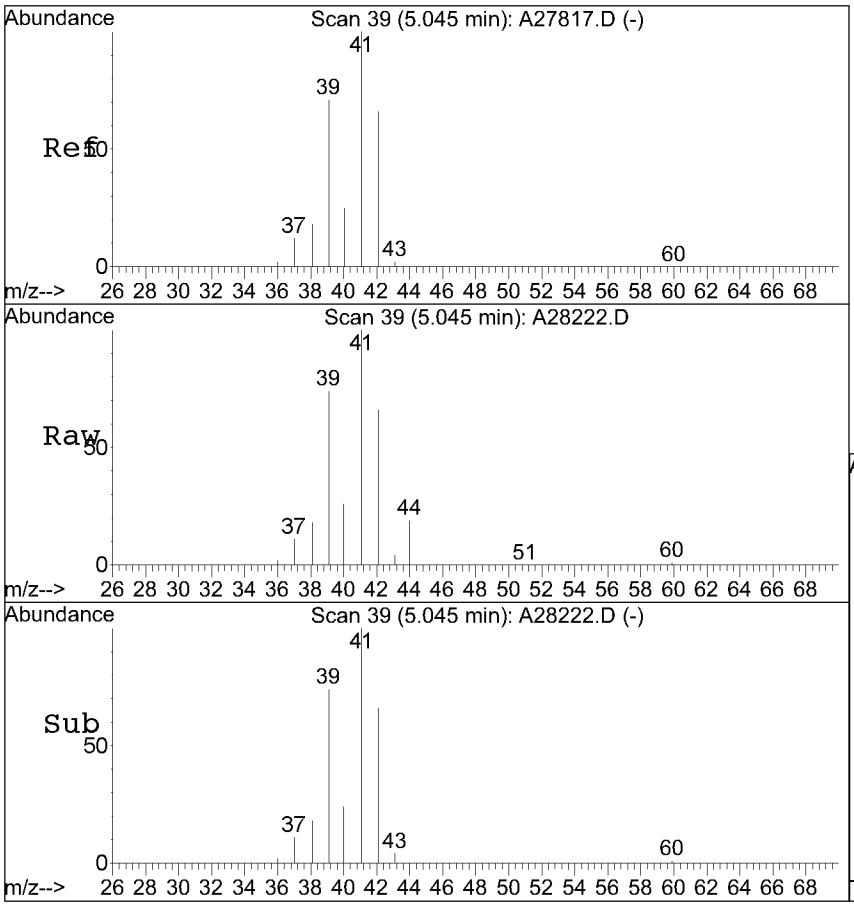
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28222.D Vial: 8
Acq On : 29 Apr 2008 6:36 pm Operator: WB
Sample : sa77688-09 @ sv4-8 4x to-15 Inst : GCMS Air
Misc : 4 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:27 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

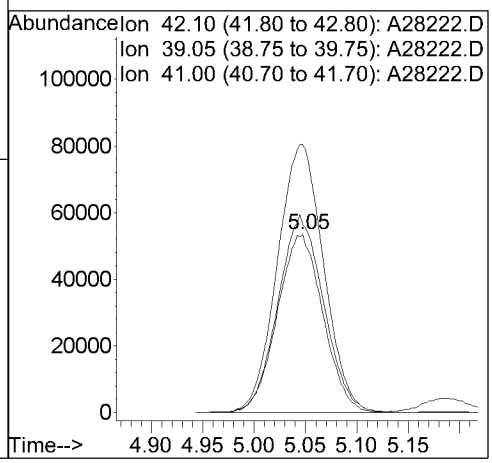


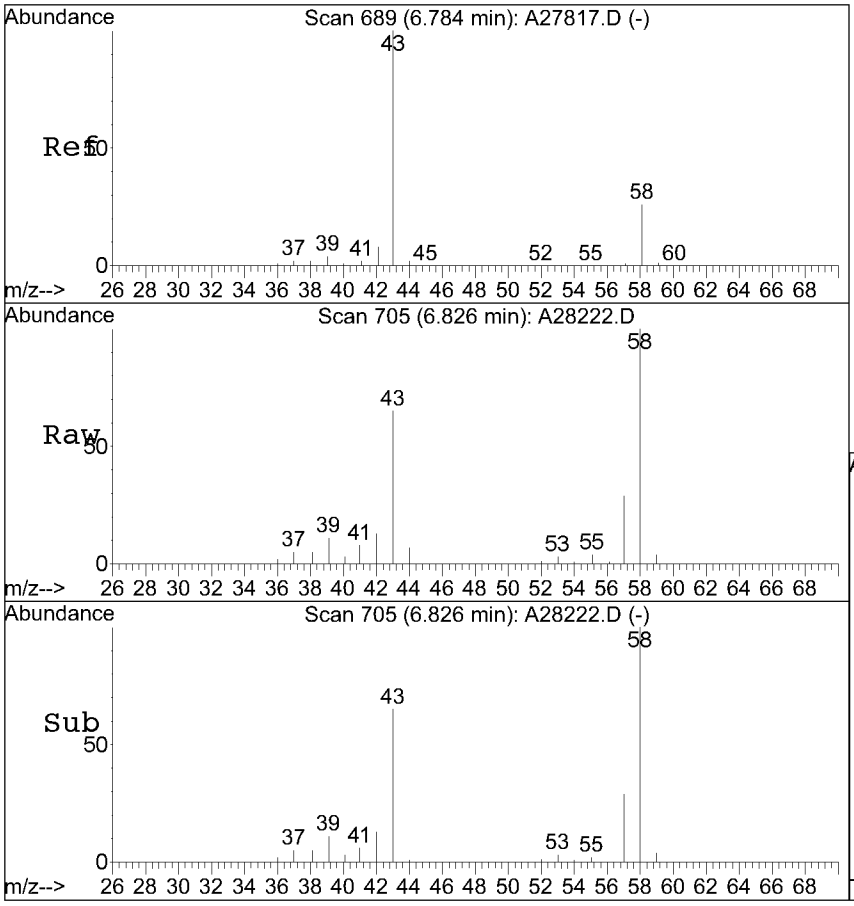


#2
PROPENE
Concen: 12.92 PPBv
RT: 5.05 min Scan# 39
Delta R.T. -0.00 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 42 Resp: 1651769

Ion	Ratio	Lower	Upper
42	100		
39	110.7	83.8	125.6
41	152.8	118.4	177.6

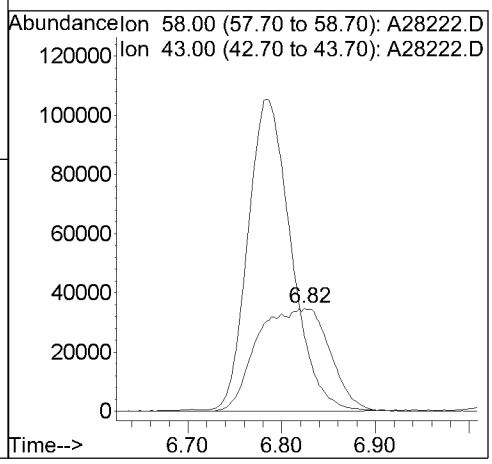


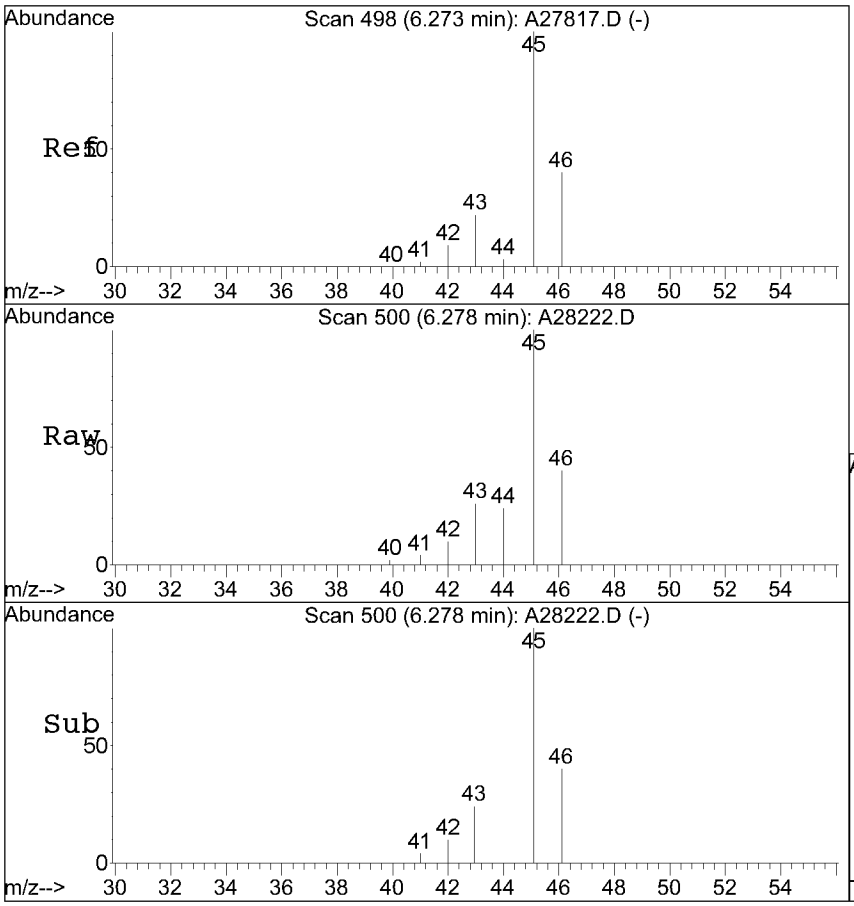


#10
ACETONE
Concen: 25.04 PPBv
RT: 6.83 min Scan# 705
Delta R.T. 0.04 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 58 Resp: 1851044

Ion	Ratio	Lower	Upper
58	100		
43	0.0	300.2	450.4#

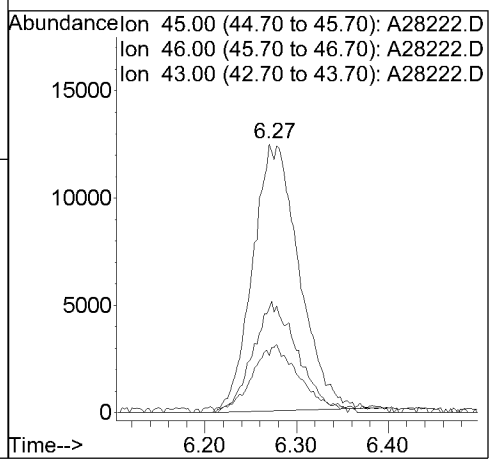


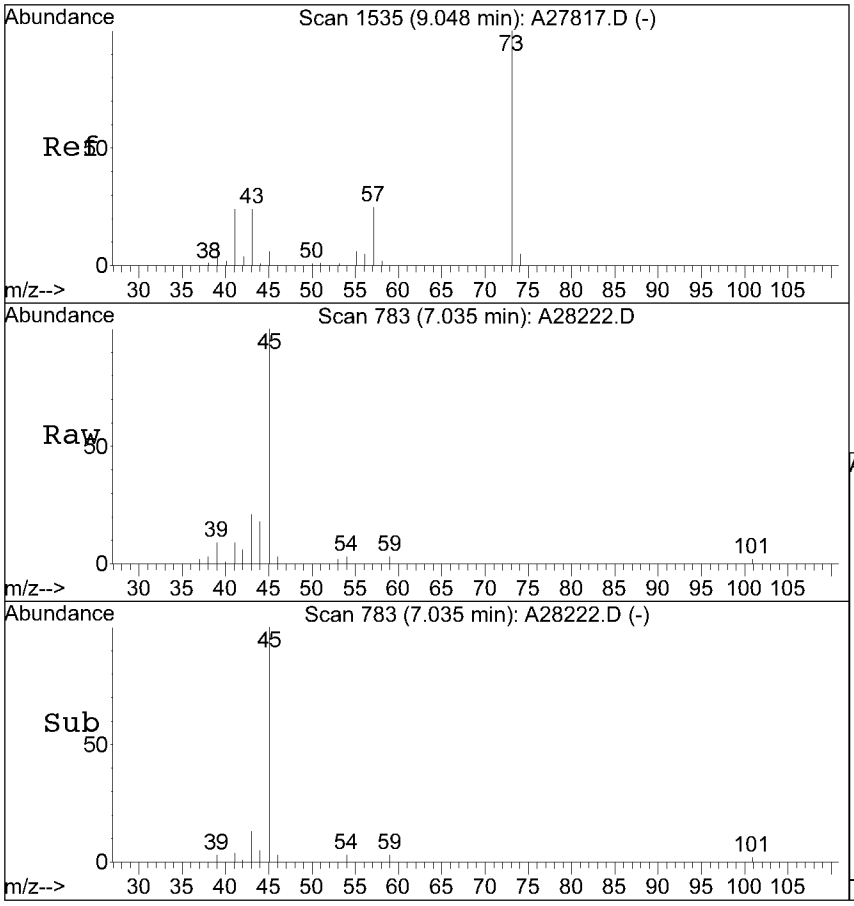


#12
ETHANOL
Concen: 8.29 PPBv
RT: 6.28 min Scan# 500
Delta R.T. 0.00 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 45 Resp: 439756

Ion	Ratio	Lower	Upper
45	100		
46	40.2	30.6	46.0
43	22.8	18.0	27.0

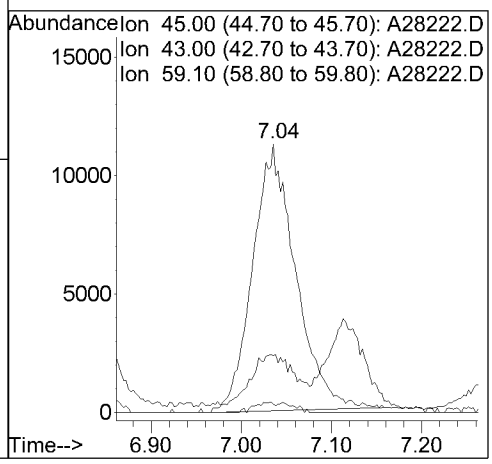


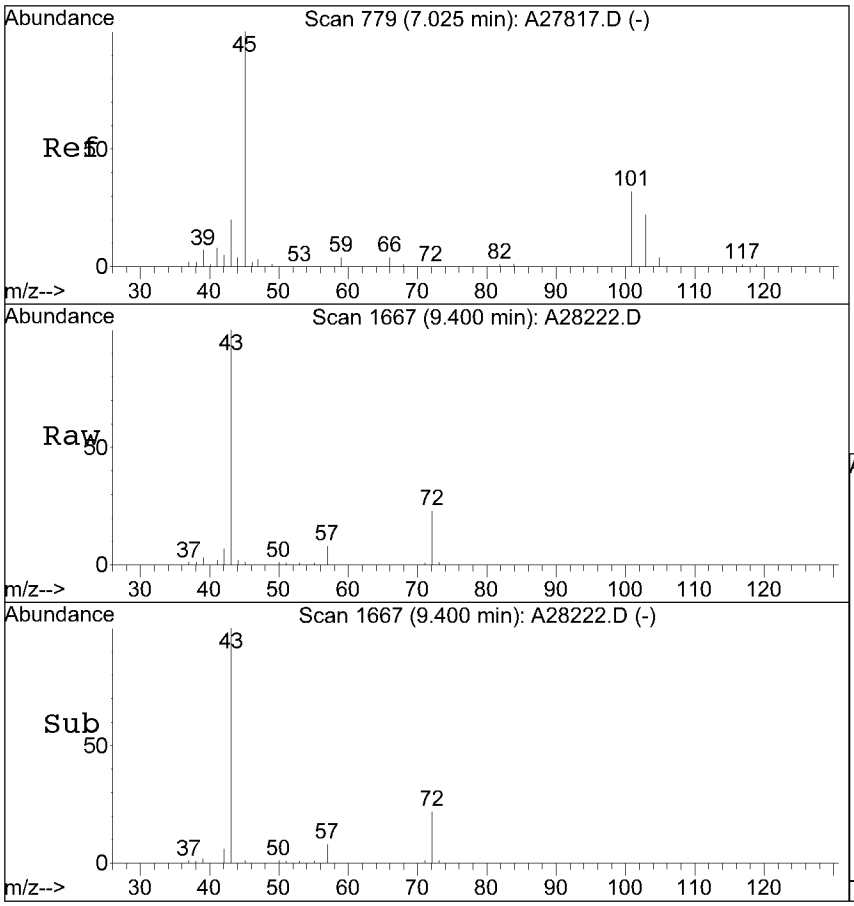


#21
IPA
Concen: 1.18 PPBv
RT: 7.03 min Scan# 783
Delta R.T. 0.01 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 45 Resp: 373102

Ion	Ratio	Lower	Upper
45	100		
43	0.0	16.2	24.2#
59	0.0	3.0	4.4#

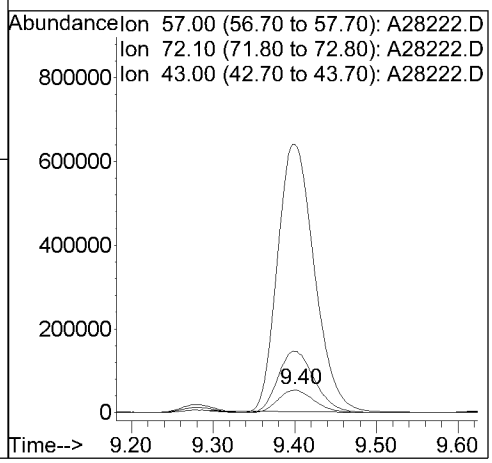


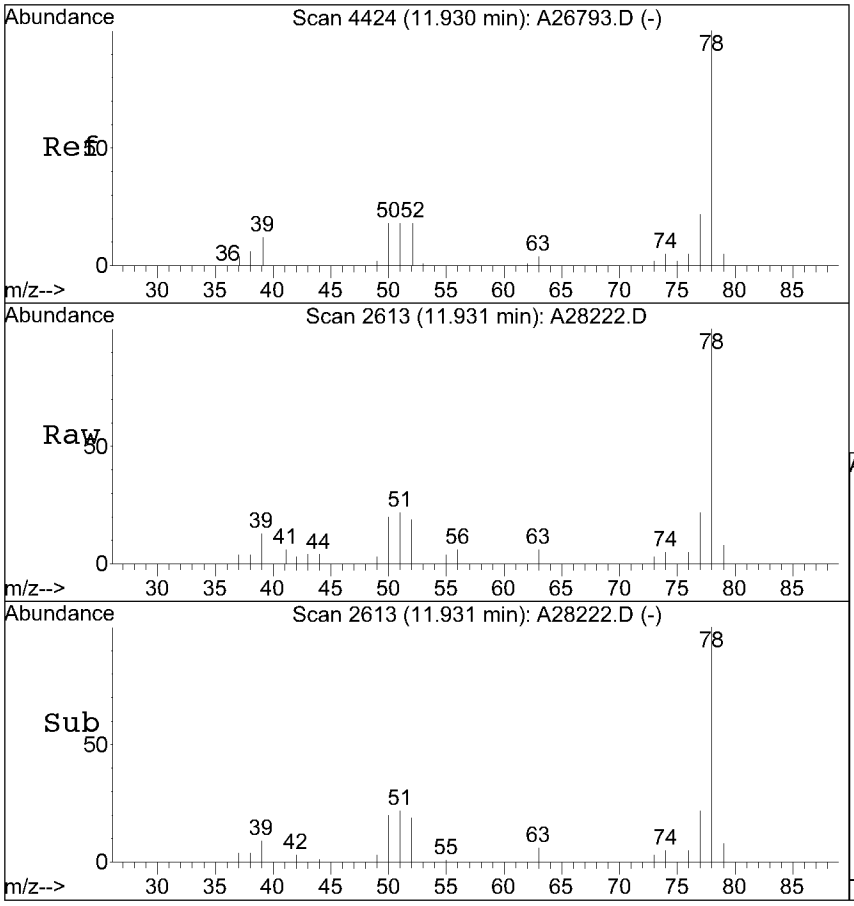


#22
2-BUTANONE(MEK)
Concen: 40.03 PPBv
RT: 9.40 min Scan# 1667
Delta R.T. -0.01 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 57 Resp: 1440872

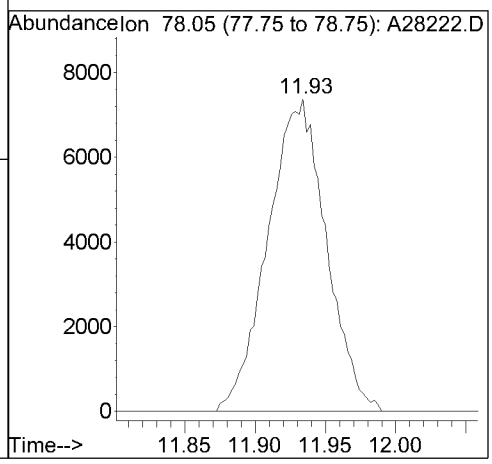
Ion	Ratio	Lower	Upper
57	100		
72	280.3	222.2	333.4
43	1340.9	987.4	1481.0

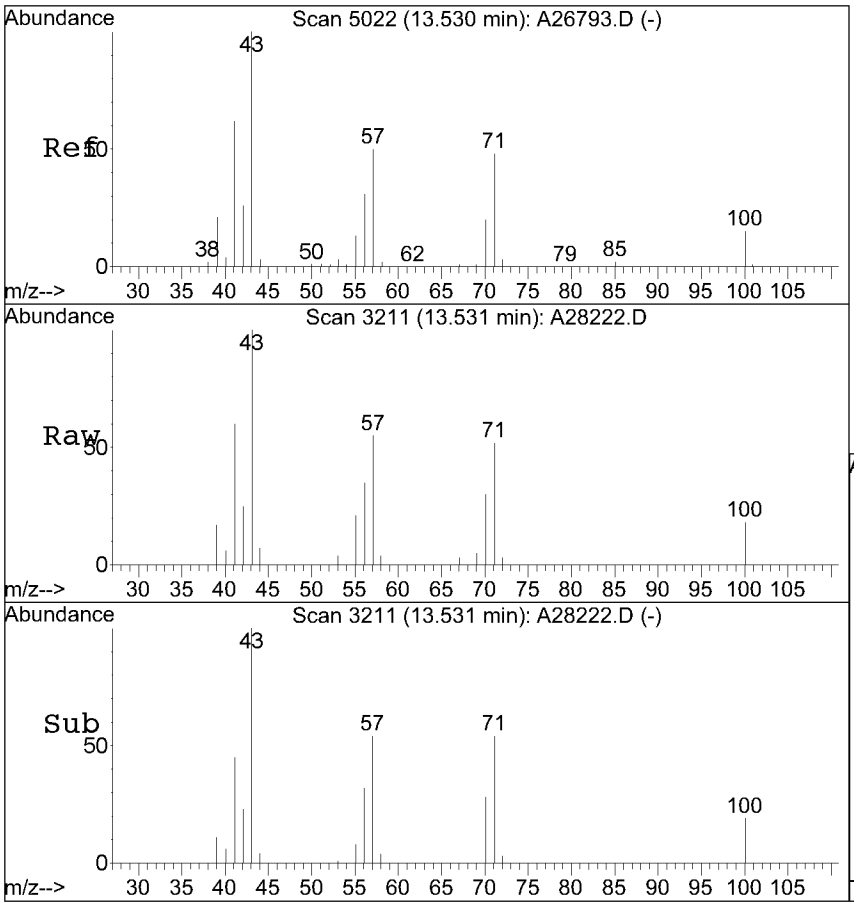




#30
BENZENE
Concen: 0.36 PPBv
RT: 11.93 min Scan# 2613
Delta R.T. -0.00 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 78 Resp: 212751

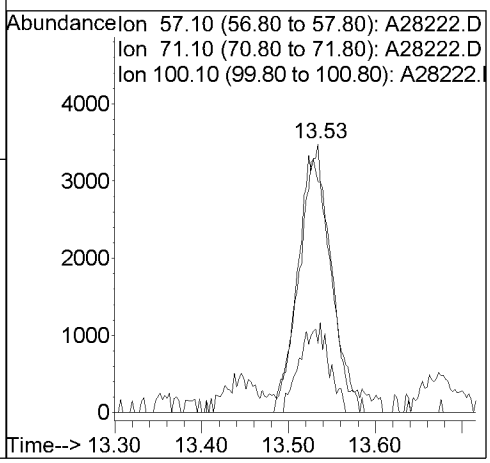


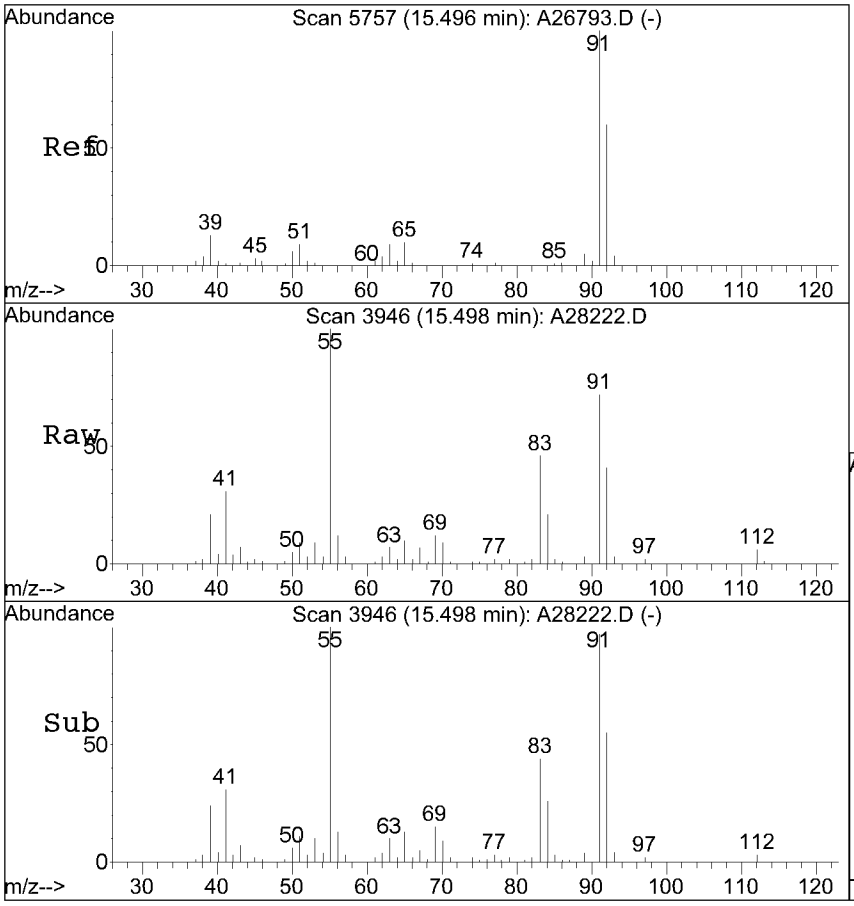


#38
HEPTANE
Concen: 0.53 PPBv
RT: 13.53 min Scan# 3211
Delta R.T. -0.00 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 57 Resp: 106996

Ion	Ratio	Lower	Upper
57	100		
71	81.3	79.0	118.4
100	0.0	25.8	38.8#

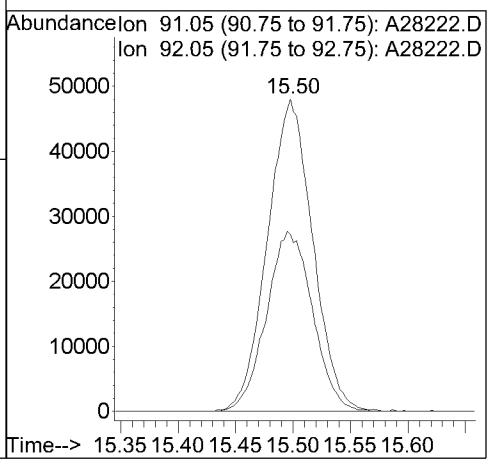


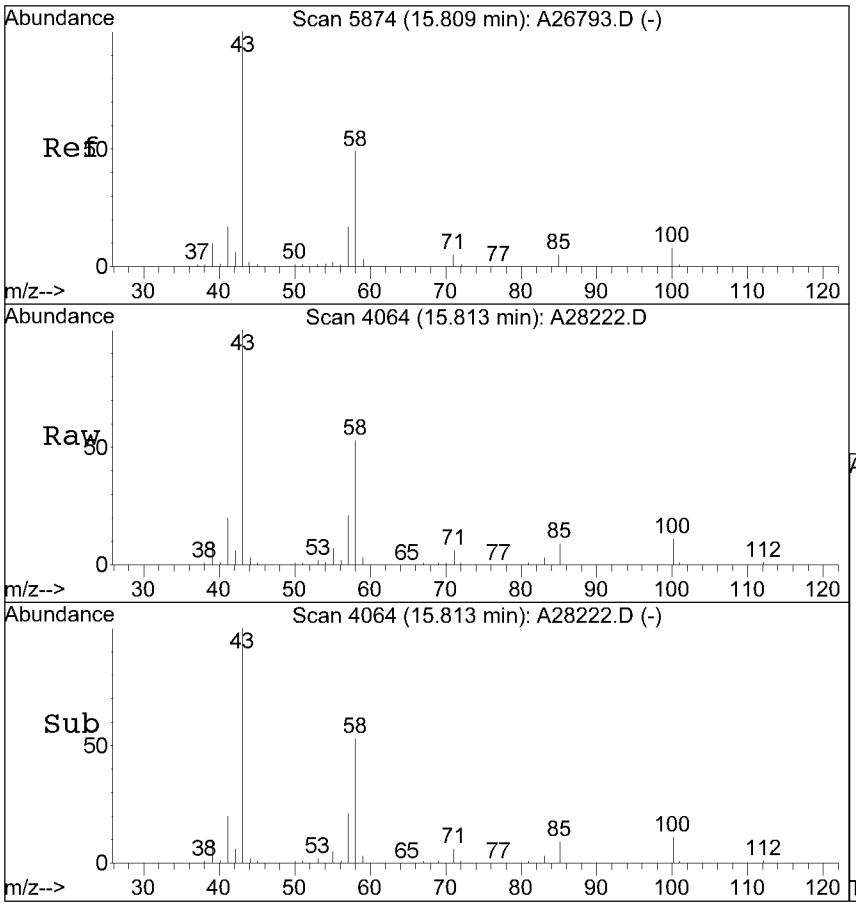


#43
TOLUENE
Concen: 1.95 PPBv
RT: 15.50 min Scan# 3946
Delta R.T. -0.00 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 91 Resp: 1317969

Ion	Ratio	Lower	Upper
91	100		
92	58.7	48.1	72.1

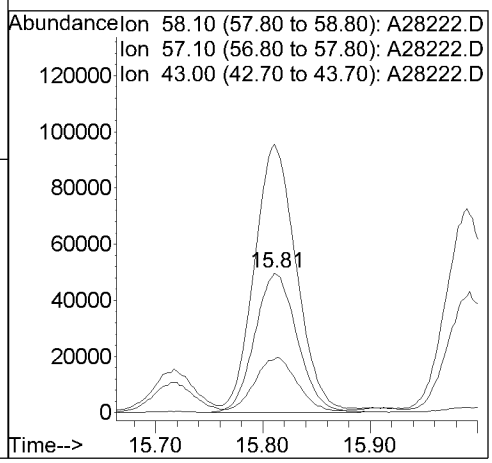


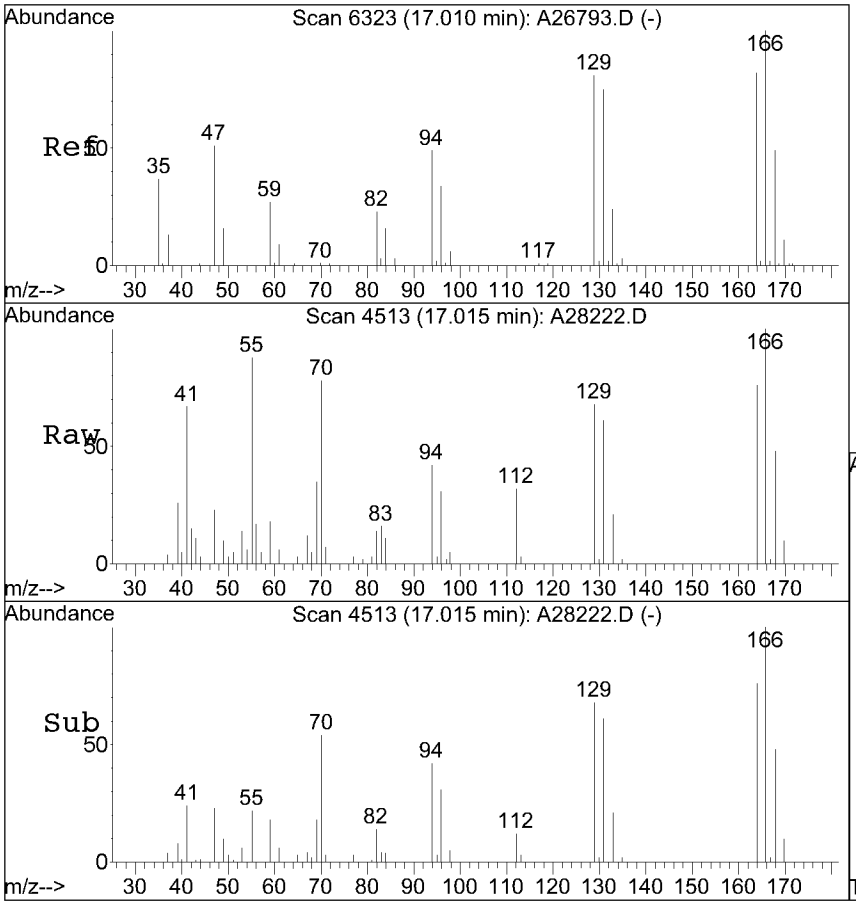


#44
2-HEXANONE(MBK)
Concen: 5.98 PPBv
RT: 15.81 min Scan# 4064
Delta R.T. -0.00 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 58 Resp: 1356626

Ion	Ratio	Lower	Upper
58	100		
57	36.0	31.0	46.4
43	182.7	151.5	227.3

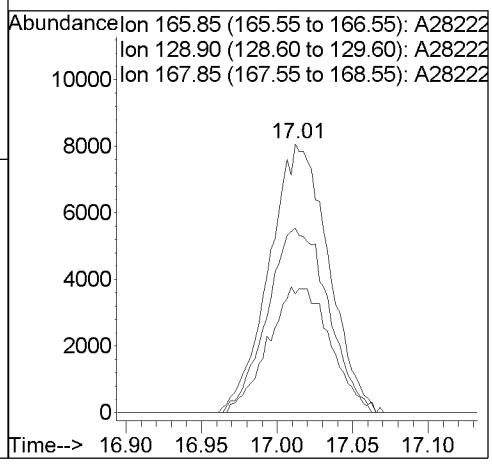


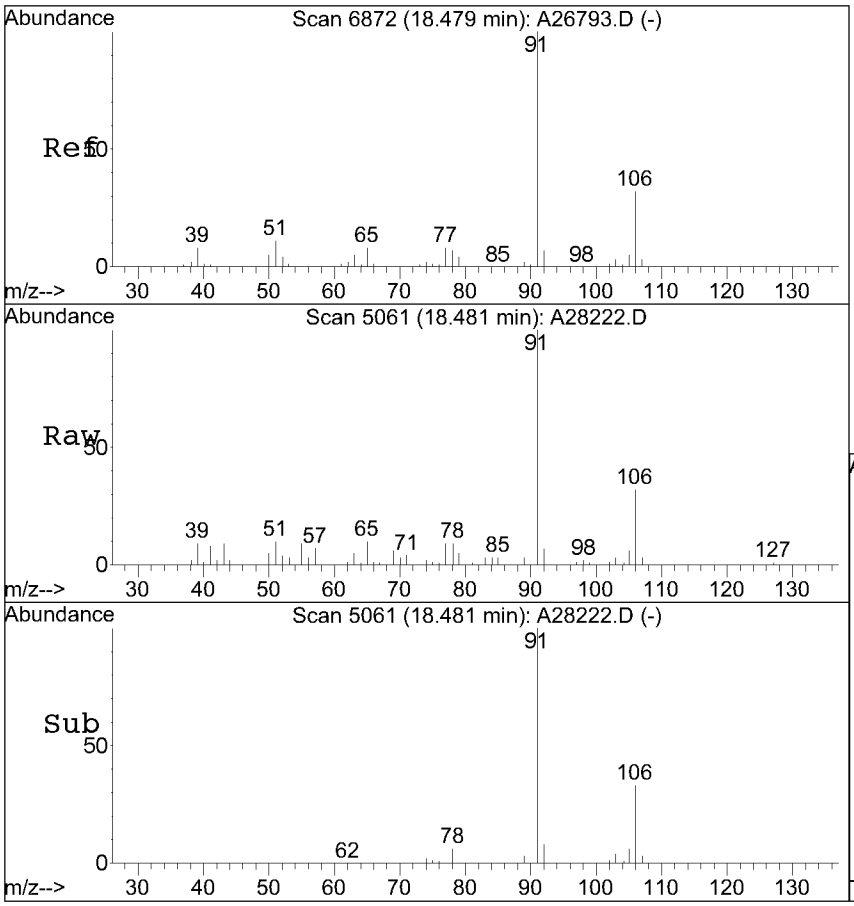


#47
TETRACHLOROETHENE
Concen: 0.66 PPBv
RT: 17.02 min Scan# 4513
Delta R.T. -0.00 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion:166 Resp: 220567

Ion	Ratio	Lower	Upper
166	100		
129	70.6	56.6	84.8
168	48.4	38.0	57.0

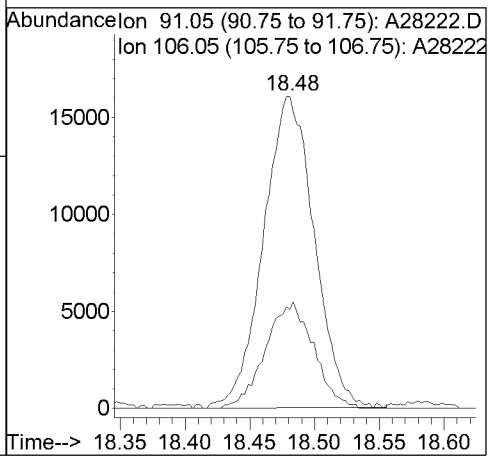


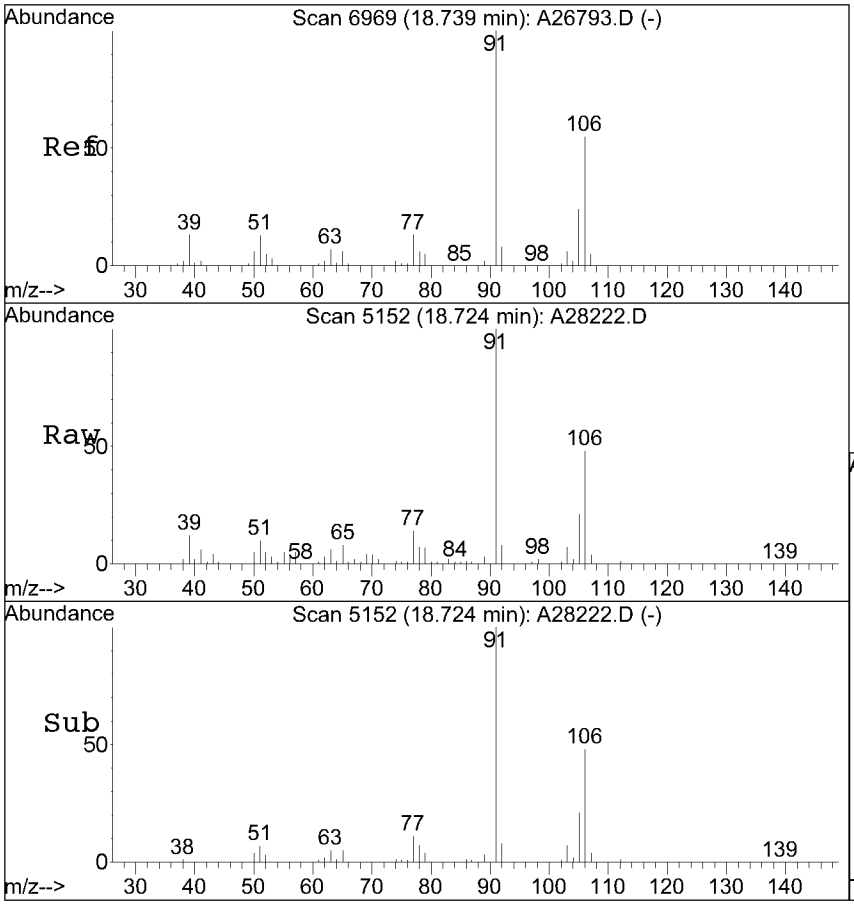


#51
ETHYLBENZENE
Concen: 0.47 PPBv
RT: 18.48 min Scan# 5061
Delta R.T. -0.00 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion: 91 Resp: 437614

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.8	38.8

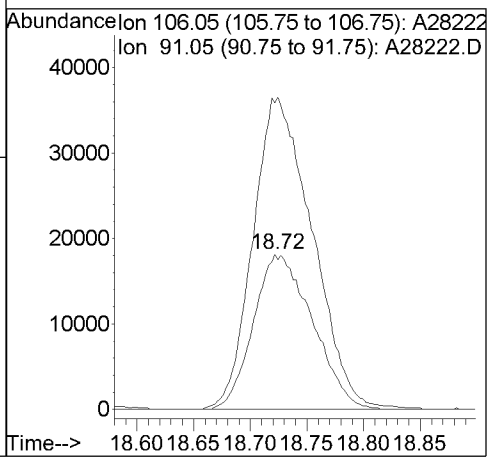


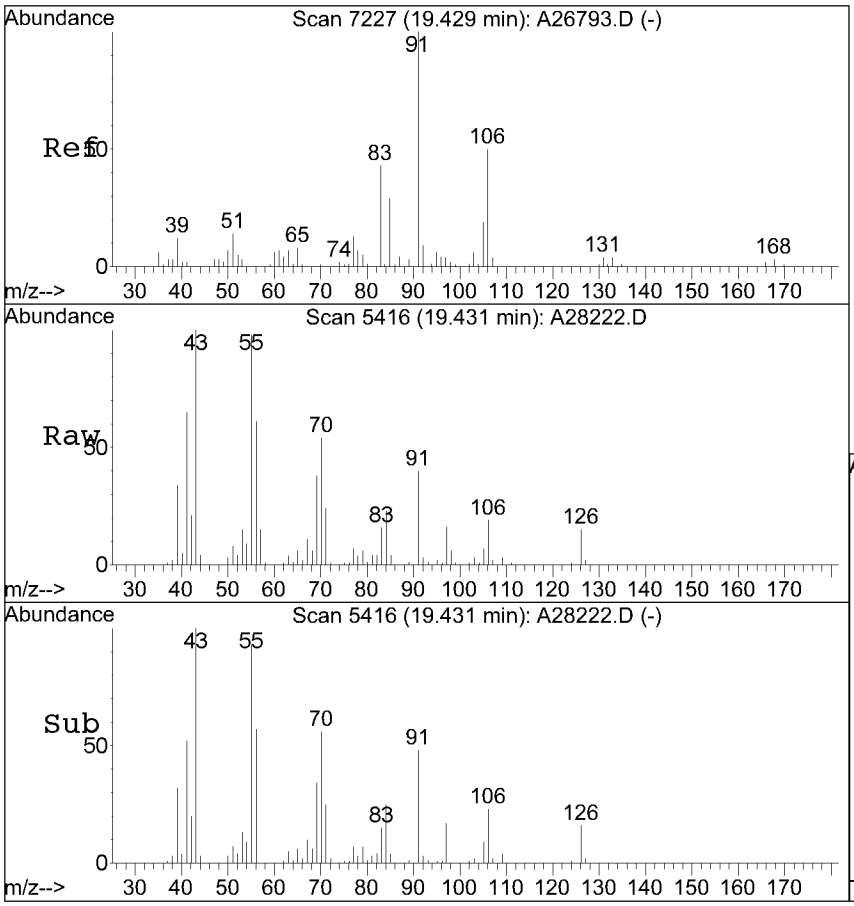


#52
M/P-XYLENE
Concen: 1.84 PPBv
RT: 18.73 min Scan# 5152
Delta R.T. -0.01 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion:106 Resp: 655876

Ion	Ratio	Lower	Upper
106	100		
91	202.7	155.7	233.5

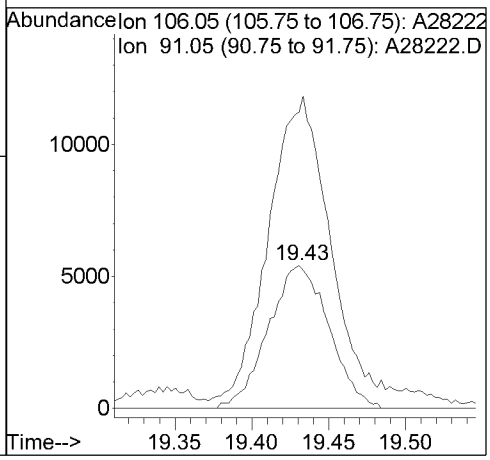




#55
O-XYLENE
Concen: 0.44 PPBv
RT: 19.43 min Scan# 5416
Delta R.T. -0.00 min
Lab File: A28222.D
Acq: 29 Apr 2008 6:36 pm

Tgt Ion:106 Resp: 148252

Ion	Ratio	Lower	Upper
106	100		
91	241.9	169.3	253.9



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28223.D Vial: 9
Acq On : 29 Apr 2008 7:17 pm Operator: WB
Sample : sa77688-10 @ sv4-55 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:32 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

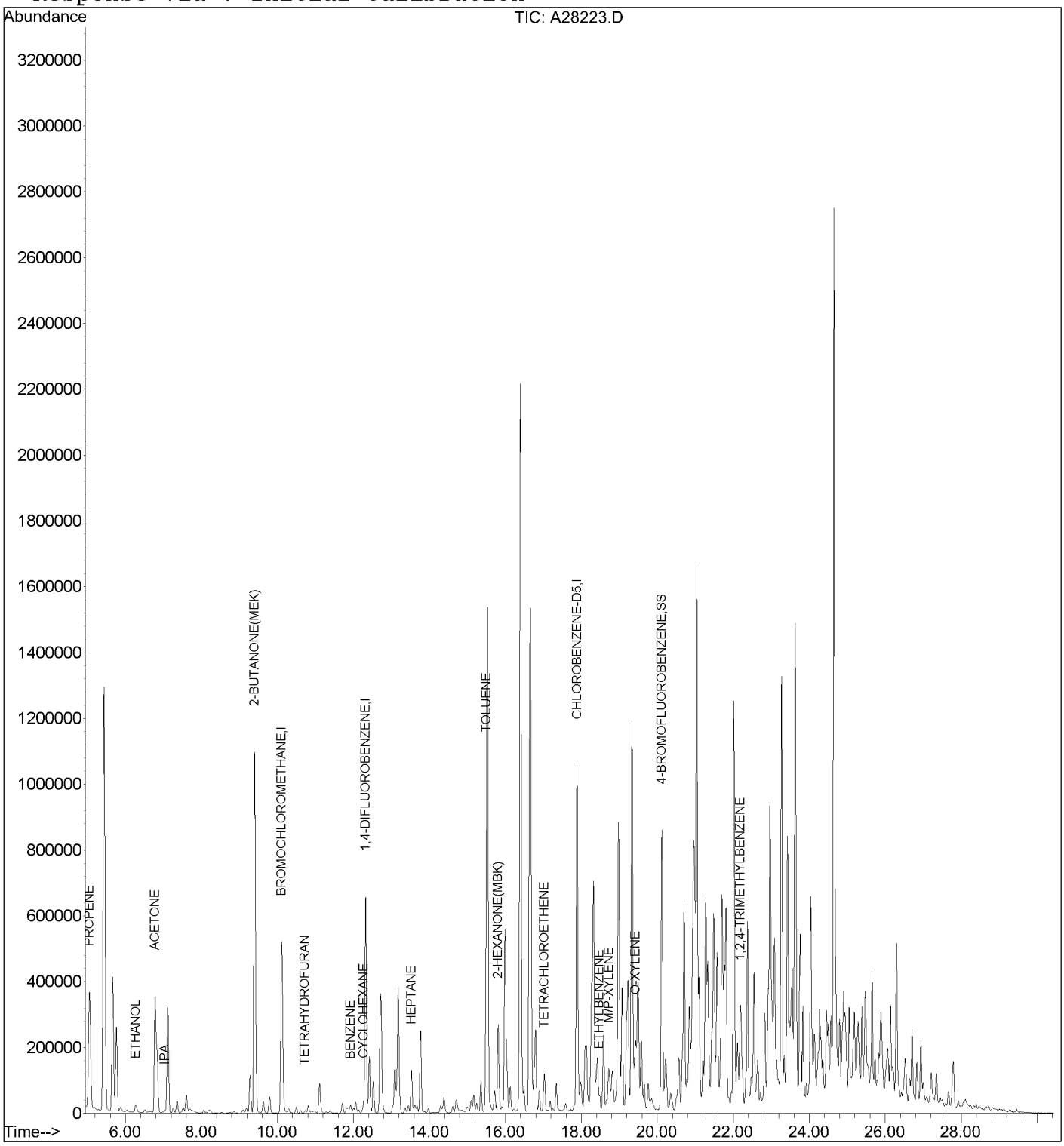
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1427020	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7498219	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	17.89	82	3877821	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.12	95	4912290	9.85	PPBv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.50%			
Target Compounds						Qvalue
2) PROPENE	5.04	42	1940523	14.71	PPBv #	71
10) ACETONE	6.78	58	3005534	39.42	PPBv #	51
12) ETHANOL	6.27	45	471029	8.60	PPBv	98
21) IPA	7.03	45	155364	0.48	PPBv #	61
22) 2-BUTANONE(MEK)	9.40	57	1550306	41.75	PPBv	79
27) TETRAHYDROFURAN	10.73	71	32084	0.36	PPBv #	65
30) BENZENE	11.93	78	300622	0.50	PPBv	100
32) CYCLOHEXANE	12.26	56	157994m	0.44	PPBv	
38) HEPTANE	13.53	57	438417	2.09	PPBv	100
43) TOLUENE	15.50	91	4437830	6.36	PPBv	99
44) 2-HEXANONE(MBK)	15.81	58	1325718	5.66	PPBv	98
47) TETRACHLOROETHENE	17.02	166	317635	0.93	PPBv	99
51) ETHYLBENZENE	18.48	91	532118	0.56	PPBv	100
52) M/P-XYLENE	18.73	106	753979	2.06	PPBv	96
55) O-XYLENE	19.43	106	185398	0.54	PPBv	87
61) 1,2,4-TRIMETHYLBENZENE	22.20	105	451656	0.51	PPBv	99

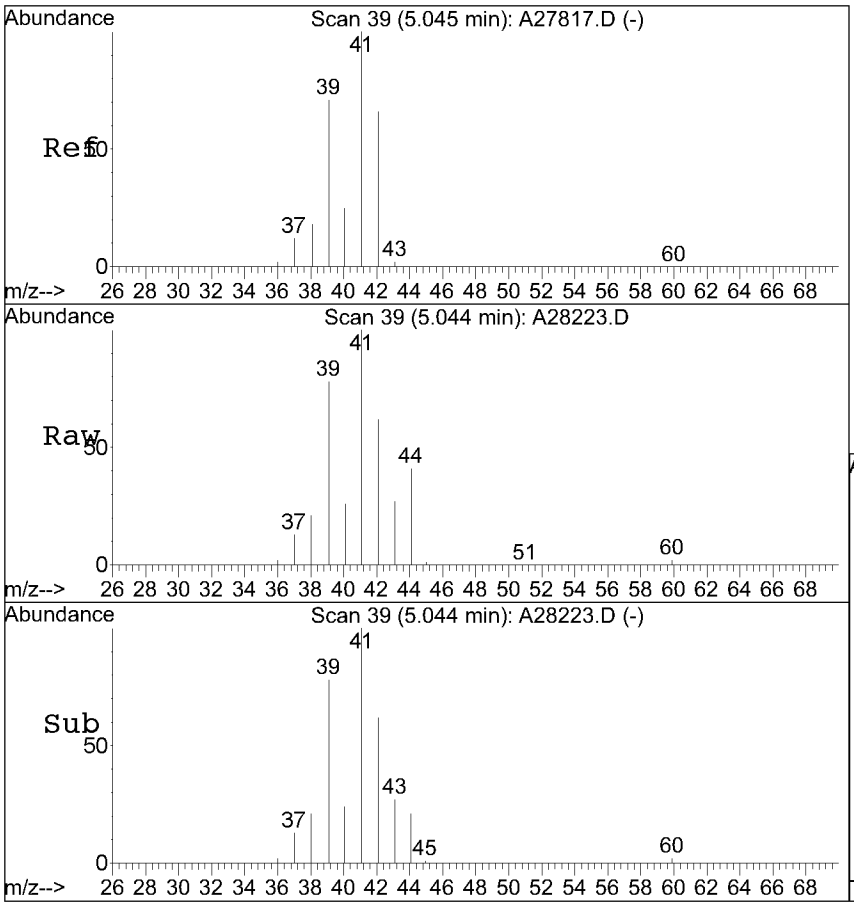
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28223.D Vial: 9
Acq On : 29 Apr 2008 7:17 pm Operator: WB
Sample : sa77688-10 @ sv4-55 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:32 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

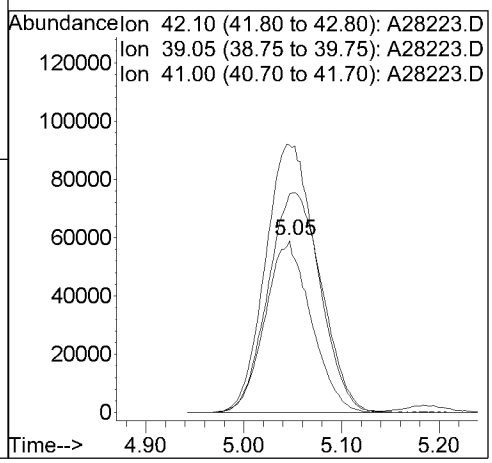


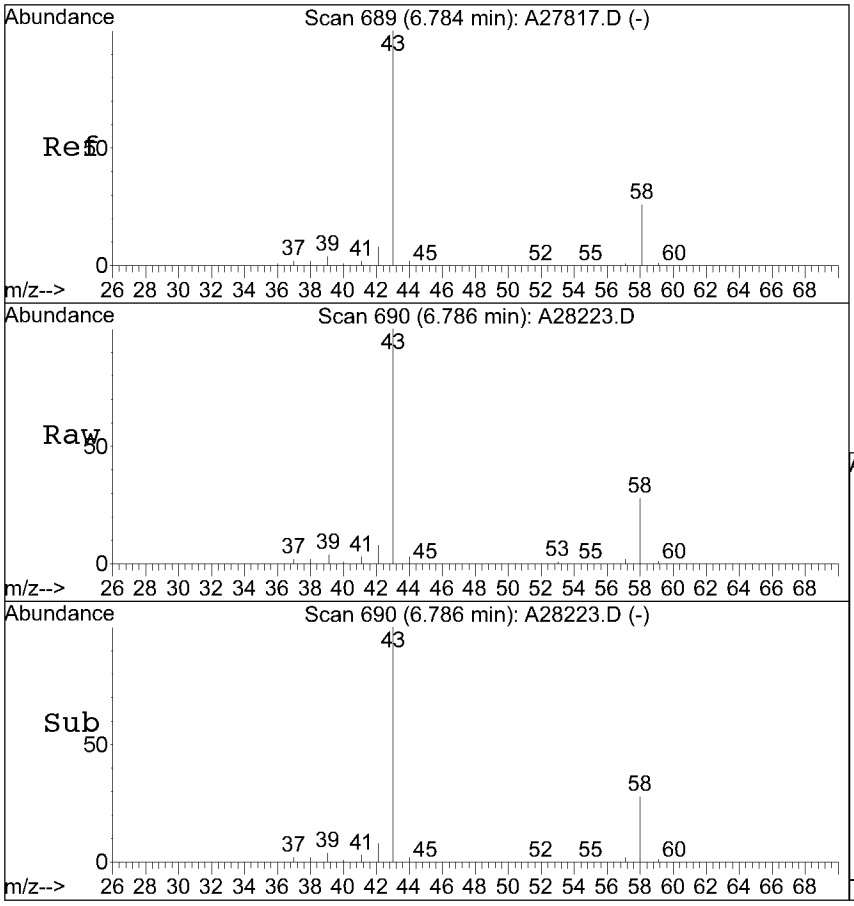


#2
PROPENE
Concen: 14.71 PPBv
RT: 5.04 min Scan# 39
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 42 Resp: 1940523

Ion	Ratio	Lower	Upper
42	100		
39	147.3	83.8	125.6#
41	172.6	118.4	177.6

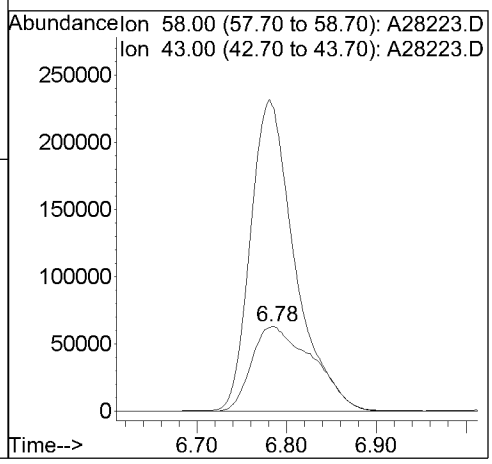


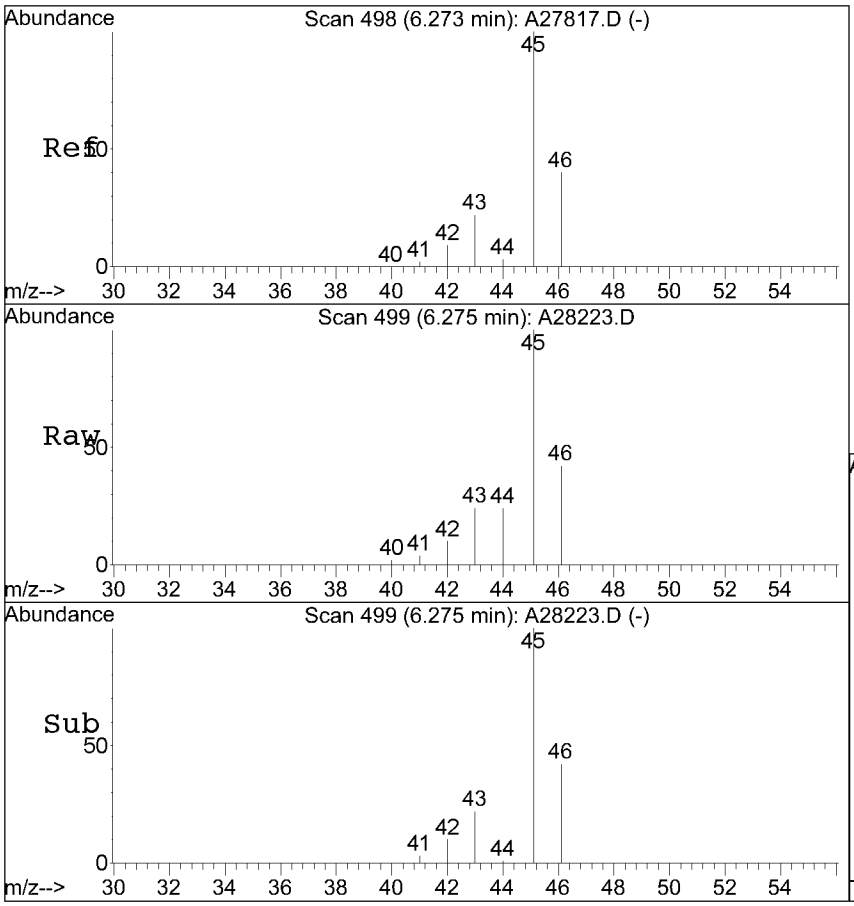


#10
ACETONE
Concen: 39.42 PPBv
RT: 6.78 min Scan# 690
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 58 Resp: 3005534

Ion	Ratio	Lower	Upper
58	100		
43	263.6	300.2	450.4#

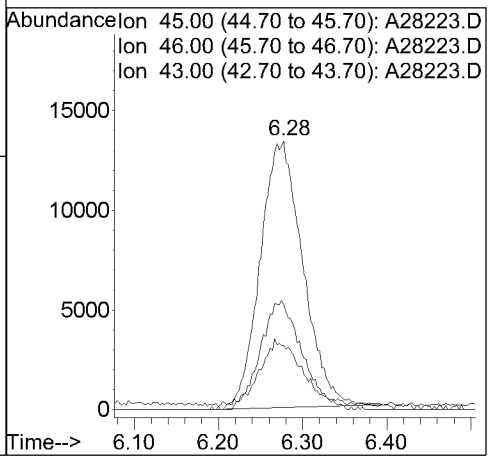


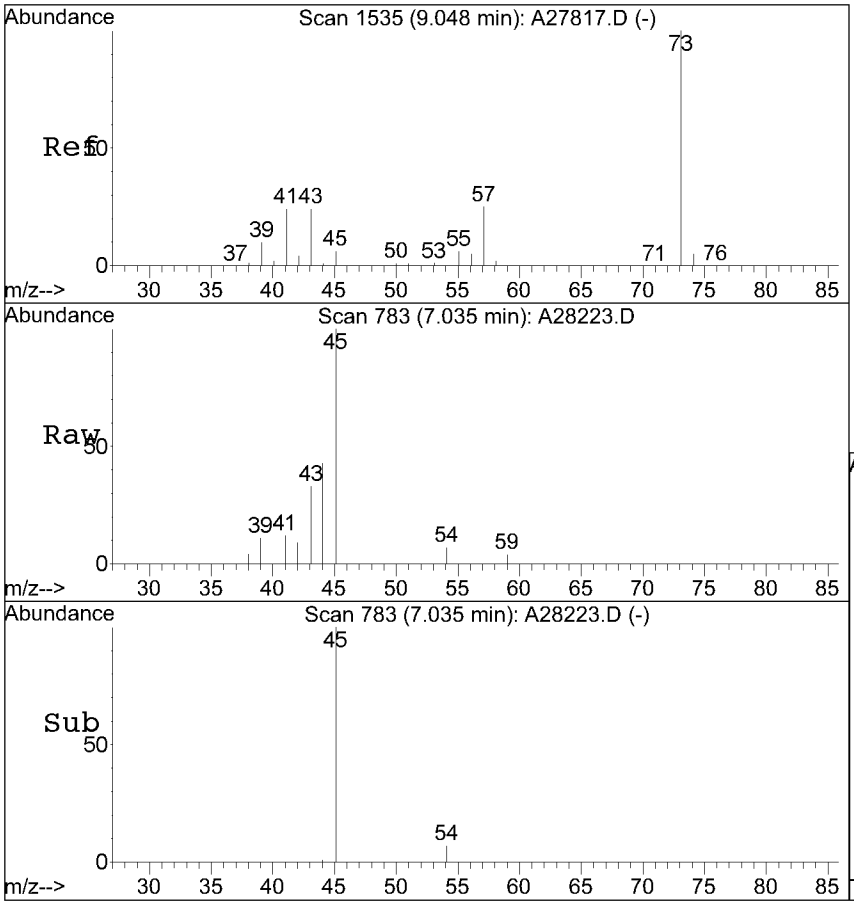


#12
ETHANOL
Concen: 8.60 PPBv
RT: 6.27 min Scan# 499
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 45 Resp: 471029

Ion	Ratio	Lower	Upper
45	100		
46	40.0	30.6	46.0
43	23.1	18.0	27.0

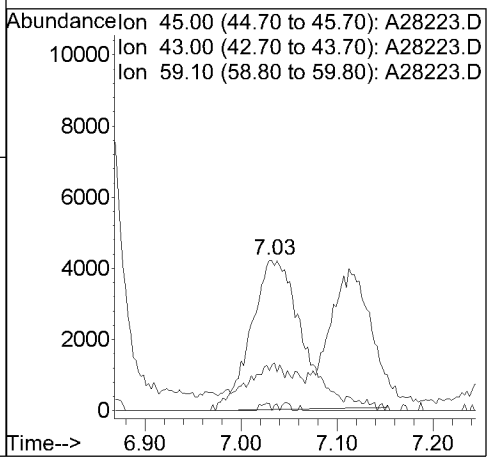


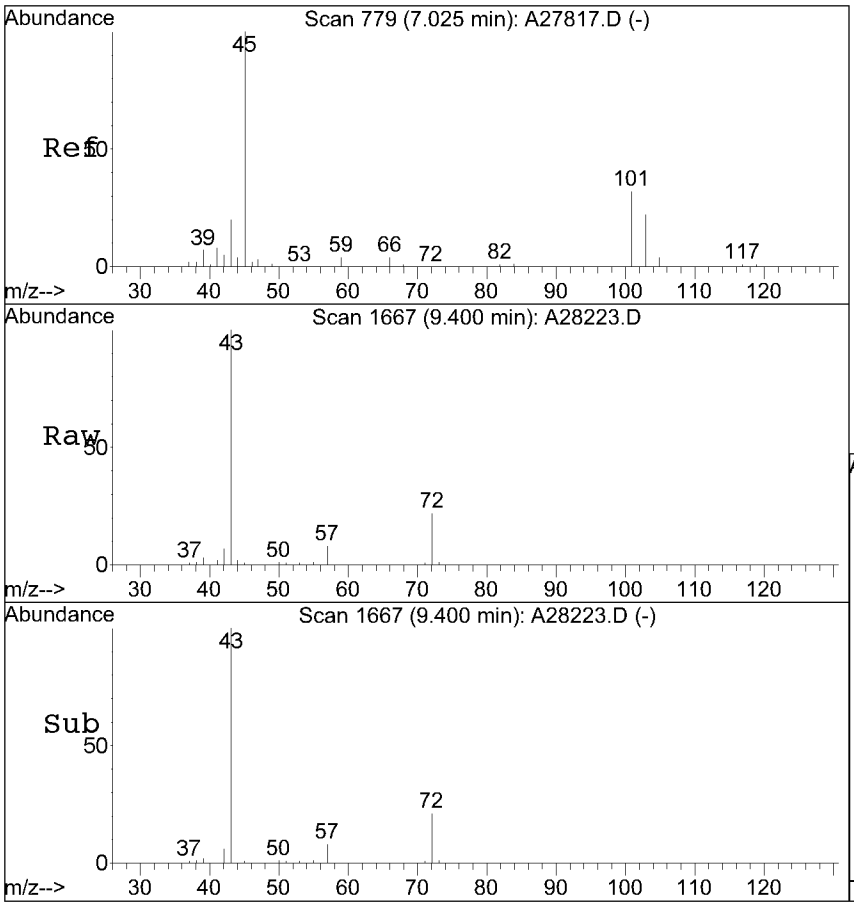


#21
IPA
Concen: 0.48 PPBv
RT: 7.03 min Scan# 783
Delta R.T. 0.01 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 45 Resp: 155364

Ion	Ratio	Lower	Upper
45	100		
43	0.0	16.2	24.2#
59	0.0	3.0	4.4#

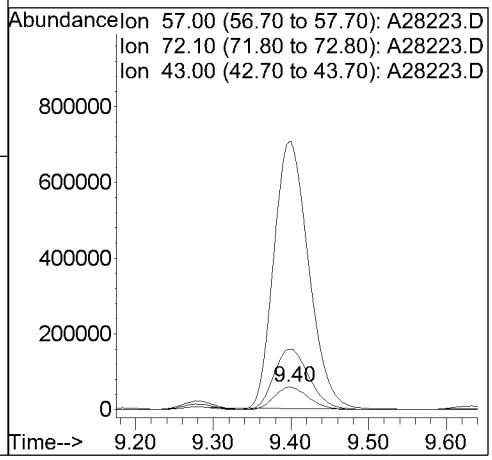


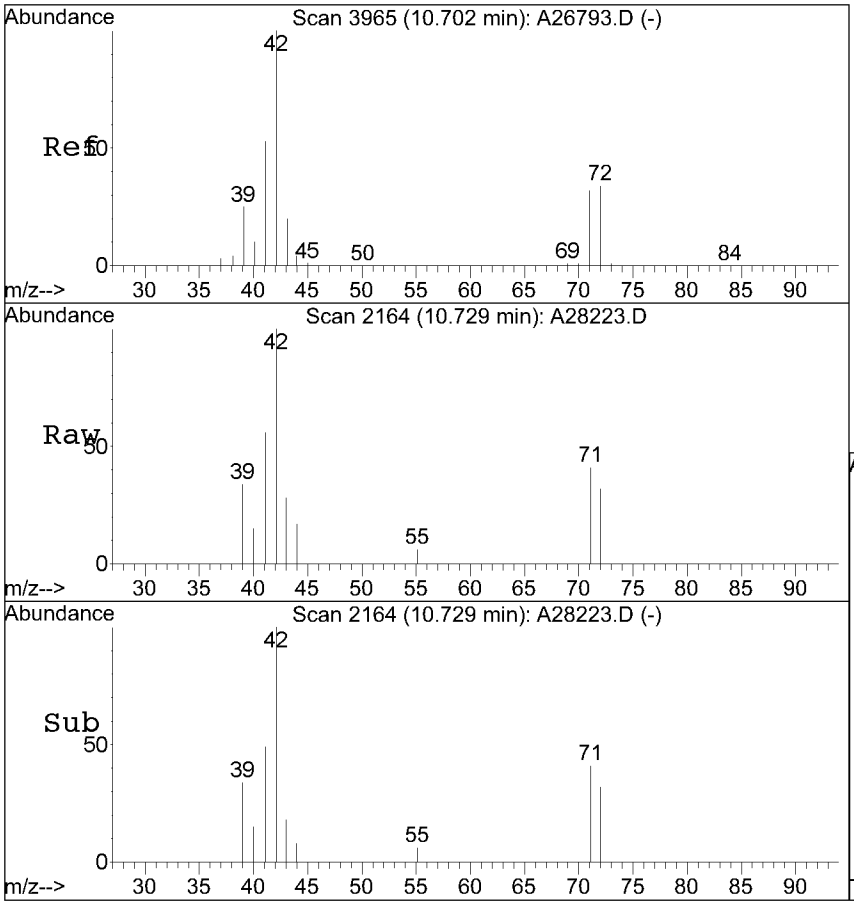


#22
2-BUTANONE(MEK)
Concen: 41.75 PPBv
RT: 9.40 min Scan# 1667
Delta R.T. -0.01 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 57 Resp: 1550306

Ion	Ratio	Lower	Upper
57	100		
72	283.8	222.2	333.4
43	1363.8	987.4	1481.0

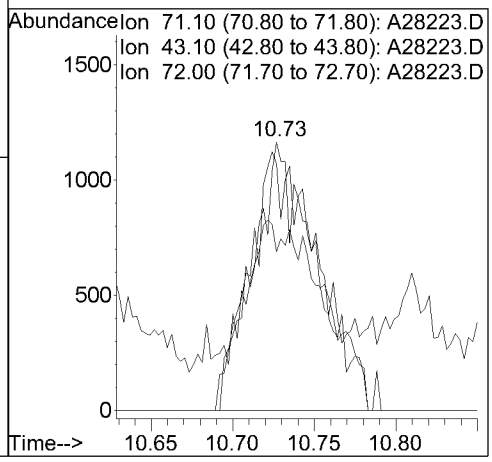


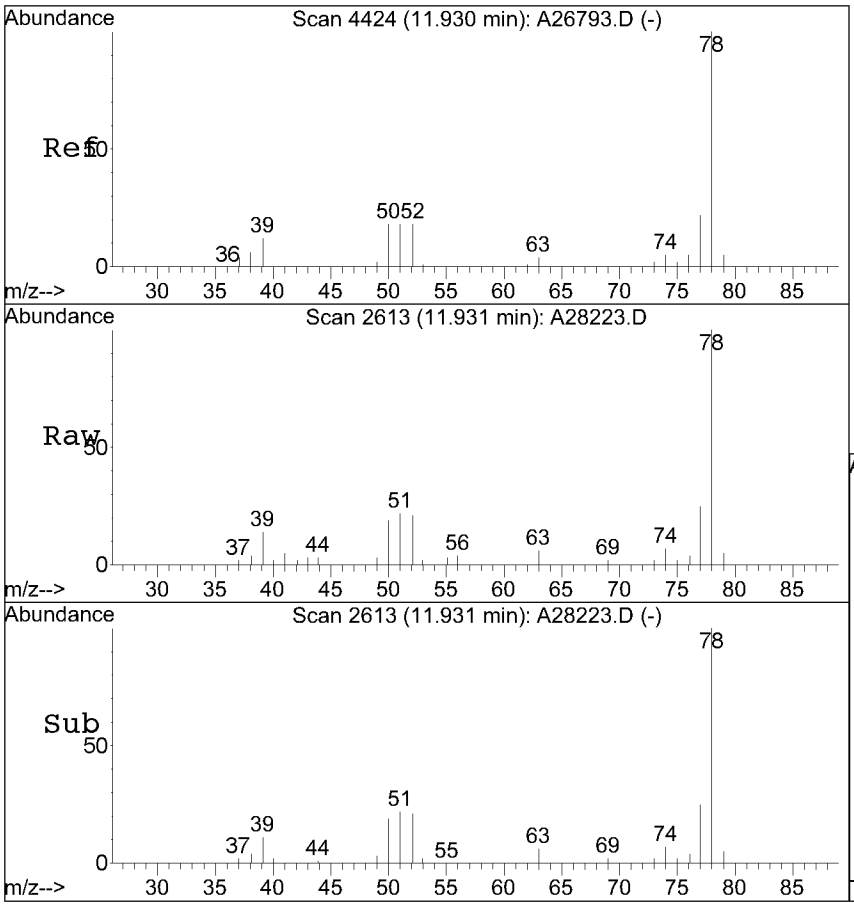


#27
TETRAHYDROFURAN
Concen: 0.36 PPBv
RT: 10.73 min Scan# 2164
Delta R.T. 0.02 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 71 Resp: 32084

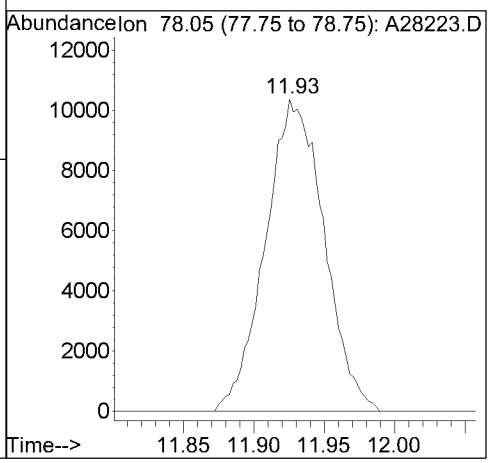
Ion	Ratio	Lower	Upper
71	100		
43	0.0	51.8	77.6#
72	101.0	85.9	128.9

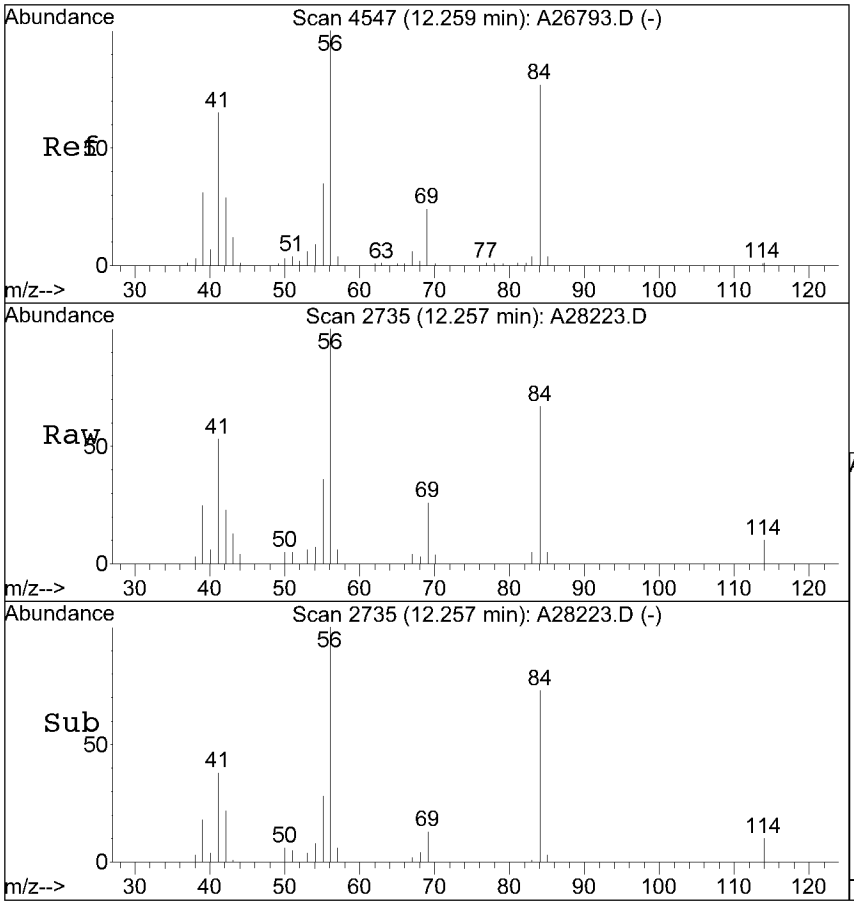




#30
BENZENE
Concen: 0.50 PPBv
RT: 11.93 min Scan# 2613
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 78 Resp: 300622

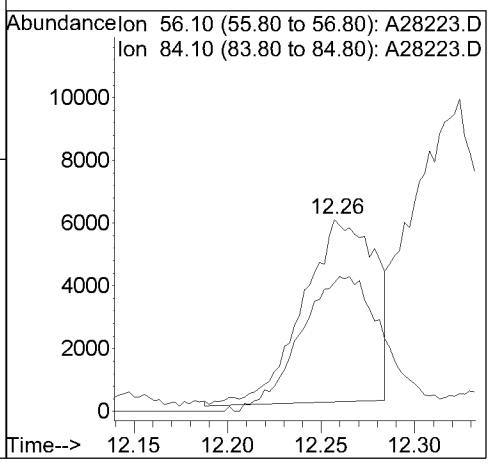


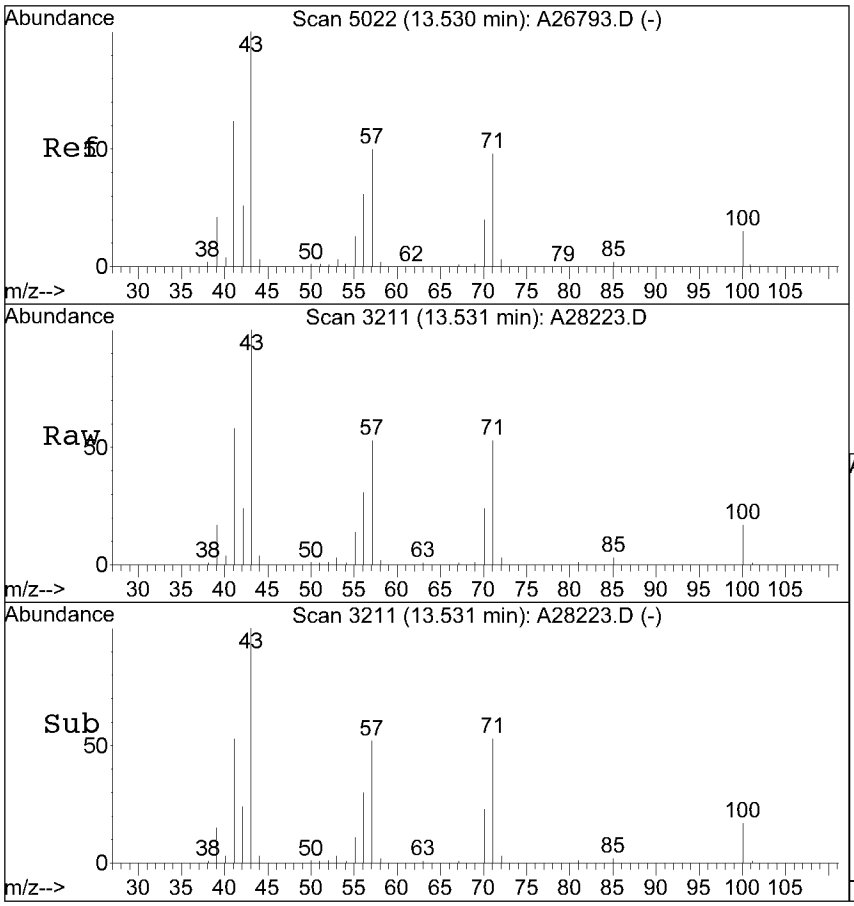


#32
CYCLOHEXANE
Concen: 0.44 PPBv m
RT: 12.26 min Scan# 2735
Delta R.T. -0.01 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 56 Resp: 157994

Ion	Ratio	Lower	Upper
56	100		
84	72.8	53.2	79.8

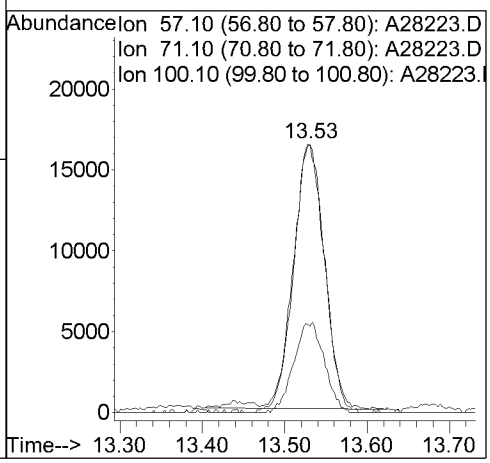


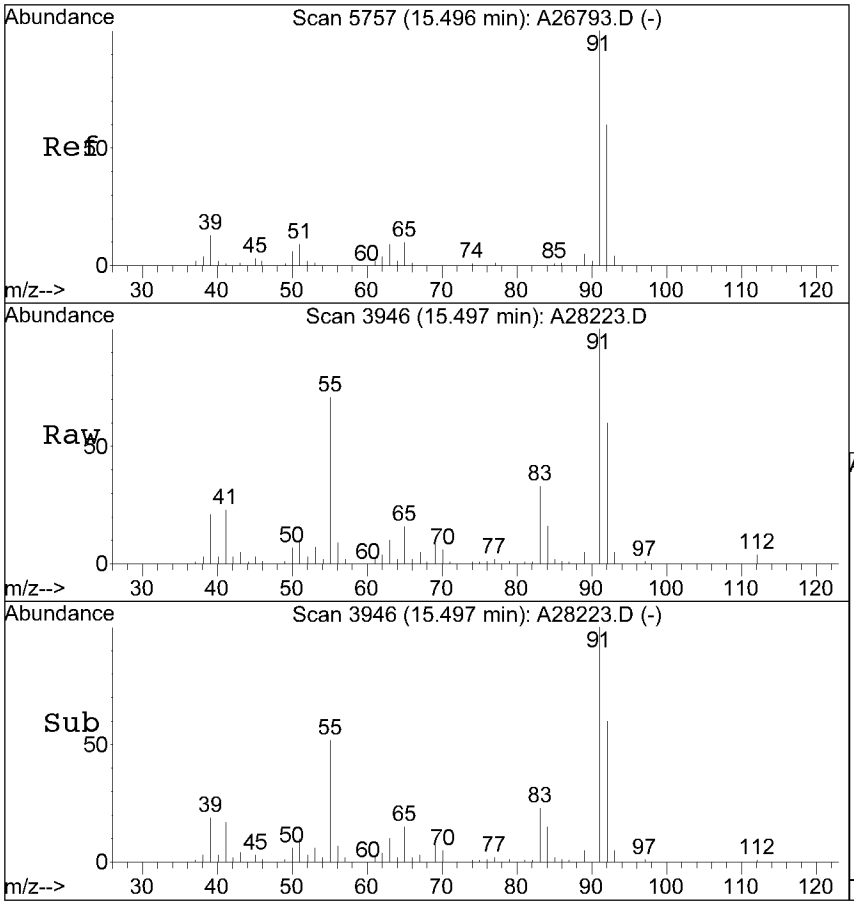


#38
HEPTANE
Concen: 2.09 PPBv
RT: 13.53 min Scan# 3211
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 57 Resp: 438417

Ion	Ratio	Lower	Upper
57	100		
71	98.9	79.0	118.4
100	32.9	25.8	38.8

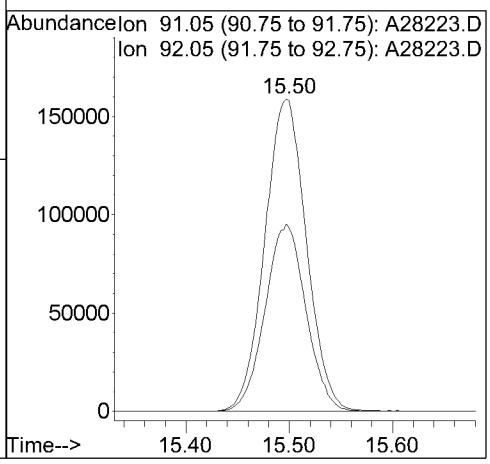


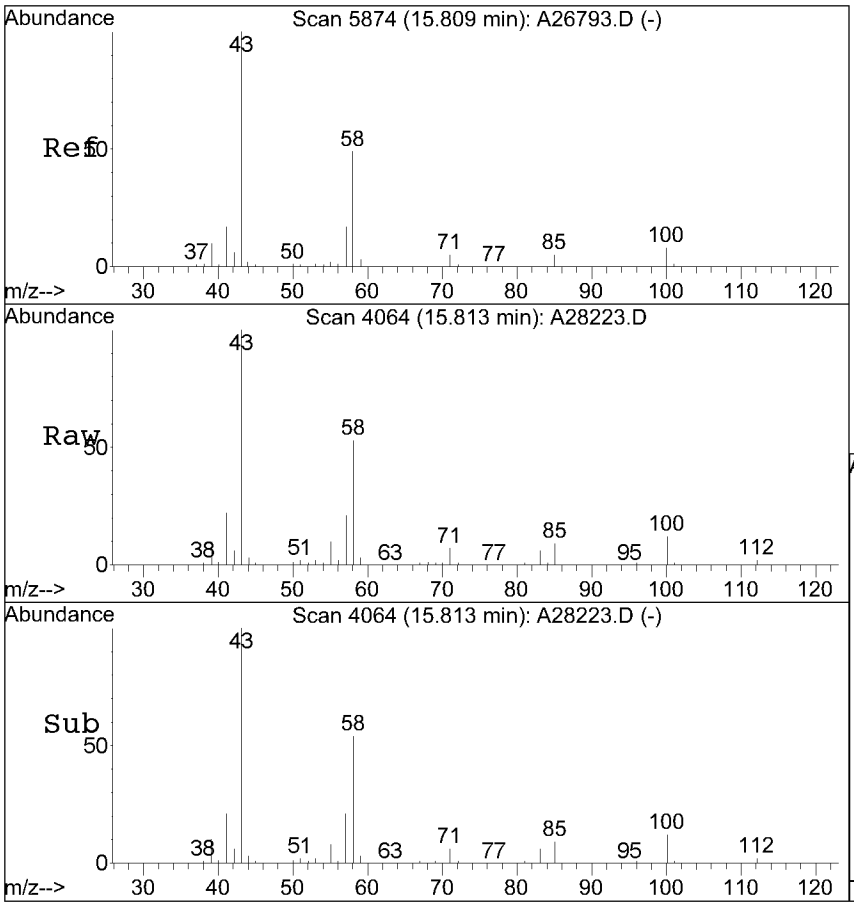


#43
TOLUENE
Concen: 6.36 PPBv
RT: 15.50 min Scan# 3946
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 91 Resp: 4437830

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.1	72.1

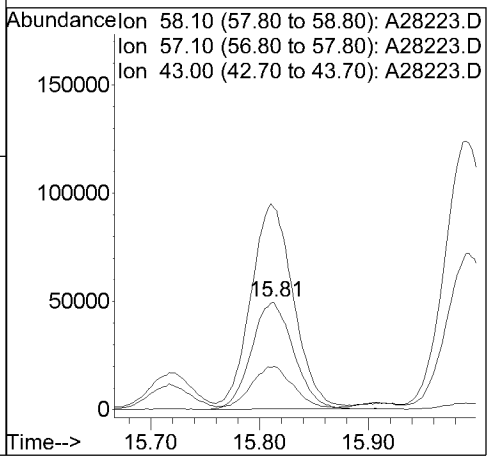


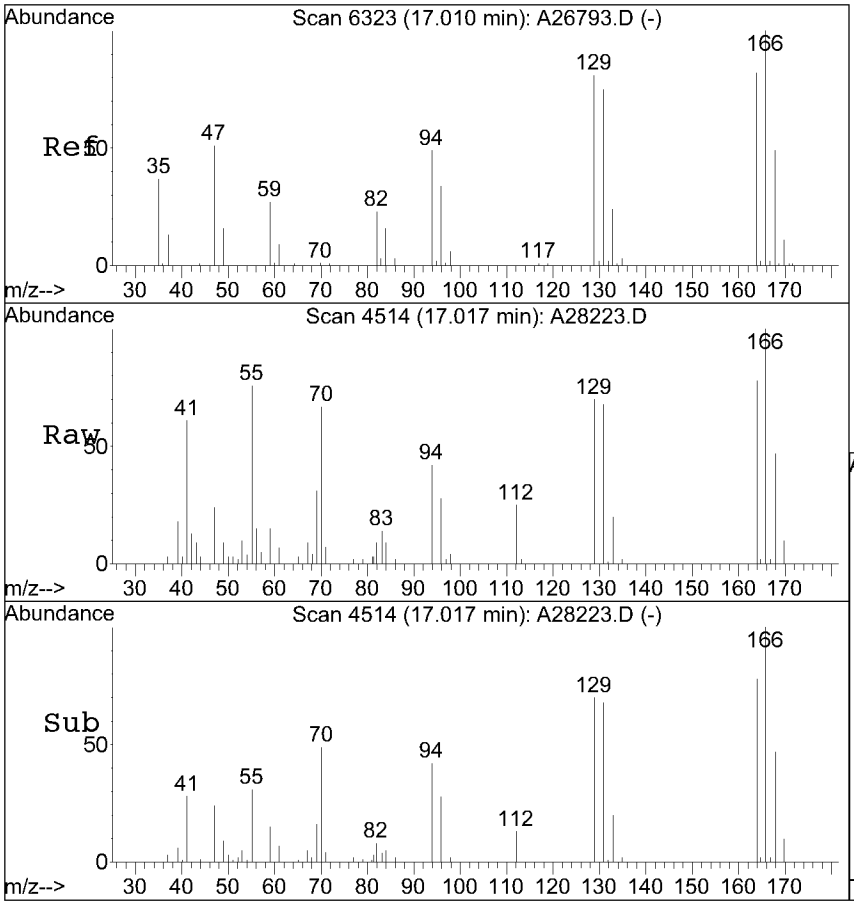


#44
2-HEXANONE(MBK)
Concen: 5.66 PPBv
RT: 15.81 min Scan# 4064
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 58 Resp: 1325718

Ion	Ratio	Lower	Upper
58	100		
57	36.8	31.0	46.4
43	186.0	151.5	227.3

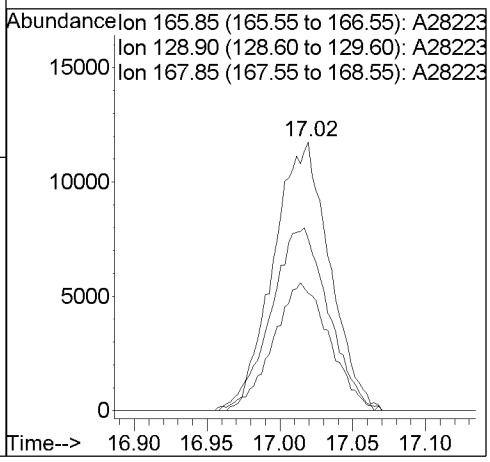


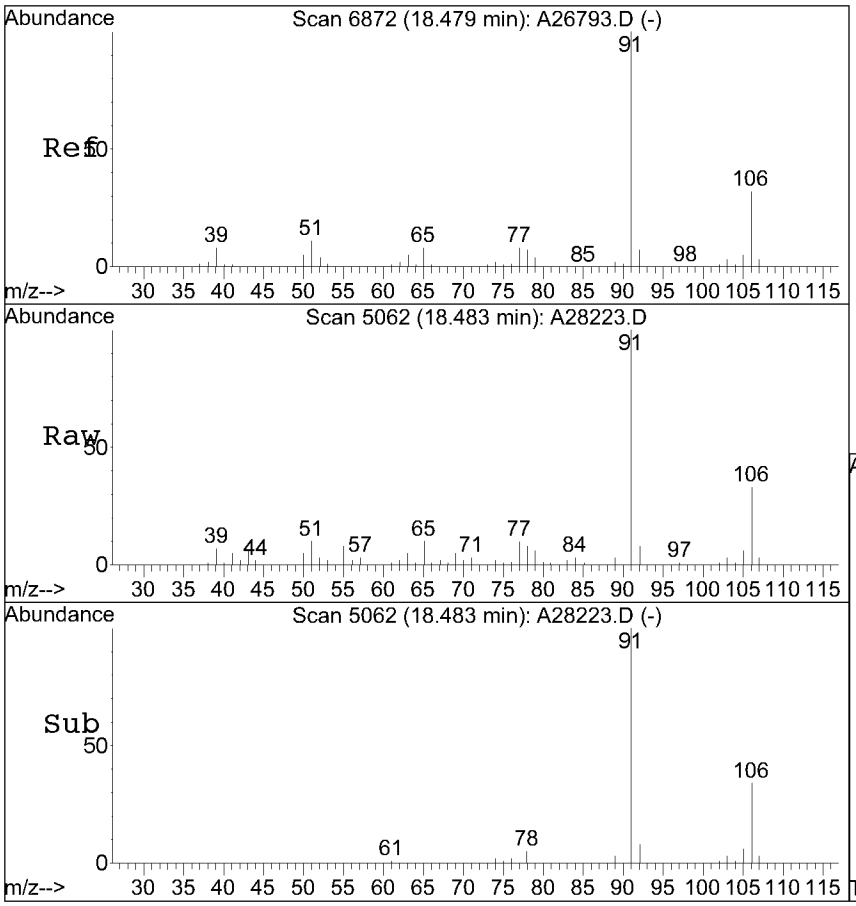


#47
TETRACHLOROETHENE
Concen: 0.93 PPBv
RT: 17.02 min Scan# 4514
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion:166 Resp: 317635

Ion	Ratio	Lower	Upper
166	100		
129	68.7	56.6	84.8
168	47.4	38.0	57.0

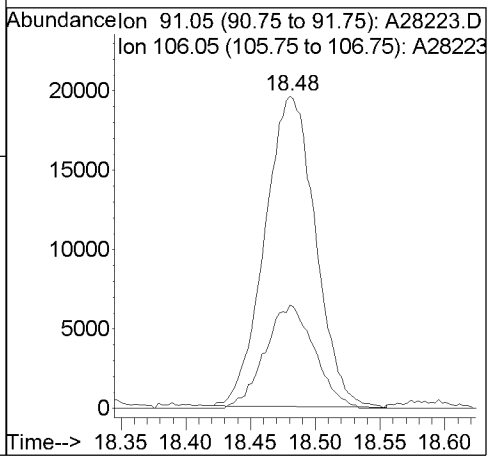


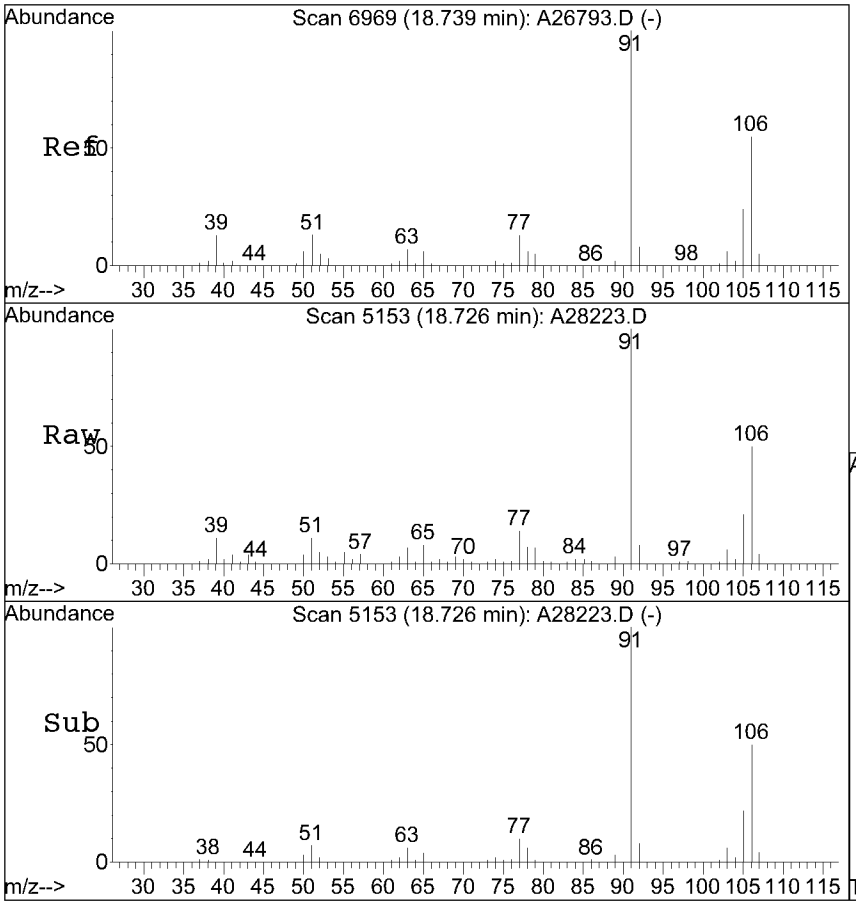


#51
ETHYLBENZENE
Concen: 0.56 PPBv
RT: 18.48 min Scan# 5062
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion: 91 Resp: 532118

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.8	38.8

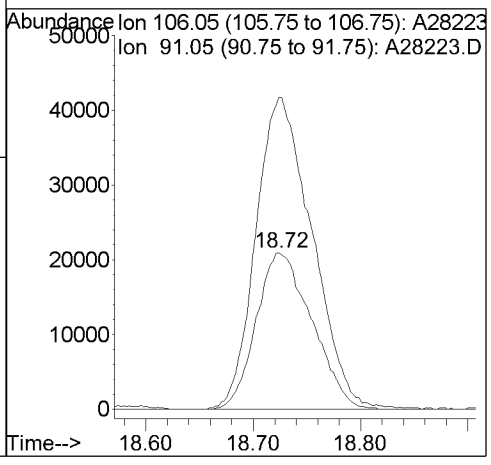


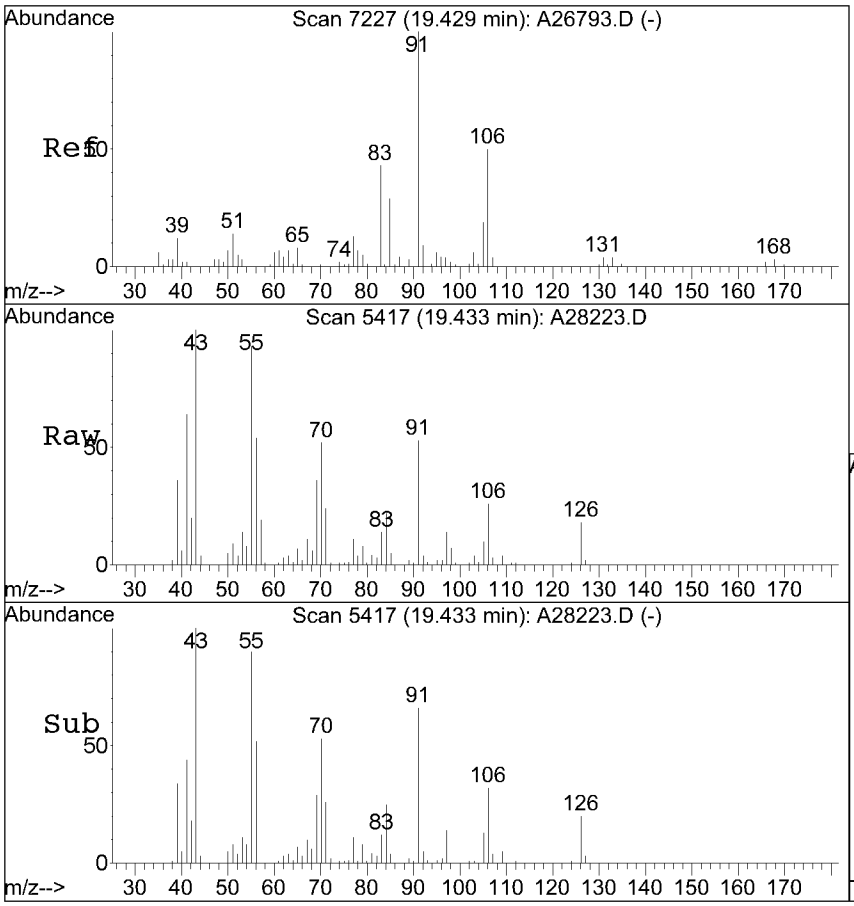


#52
M/P-XYLENE
Concen: 2.06 PPBv
RT: 18.73 min Scan# 5153
Delta R.T. -0.01 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion:106 Resp: 753979

Ion	Ratio	Lower	Upper
106	100		
91	200.1	155.7	233.5

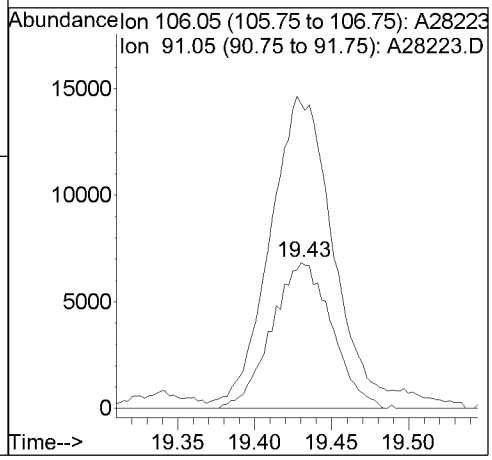


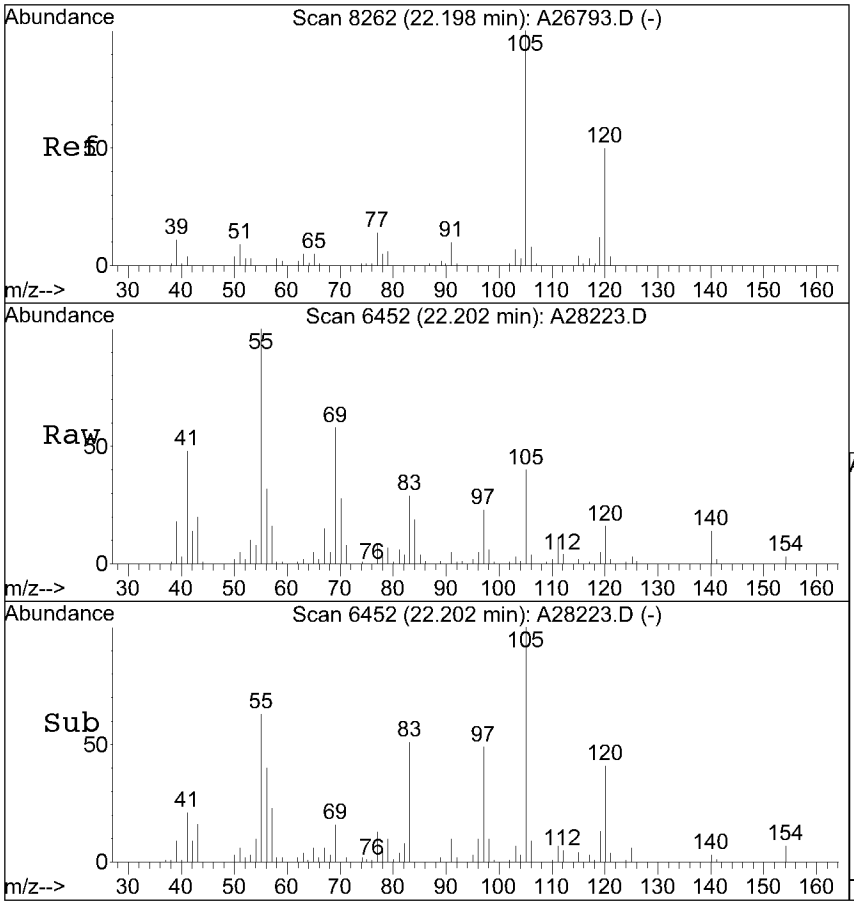


#55
O-XYLENE
Concen: 0.54 PPBv
RT: 19.43 min Scan# 5417
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion:106 Resp: 185398

Ion	Ratio	Lower	Upper
106	100		
91	232.0	169.3	253.9

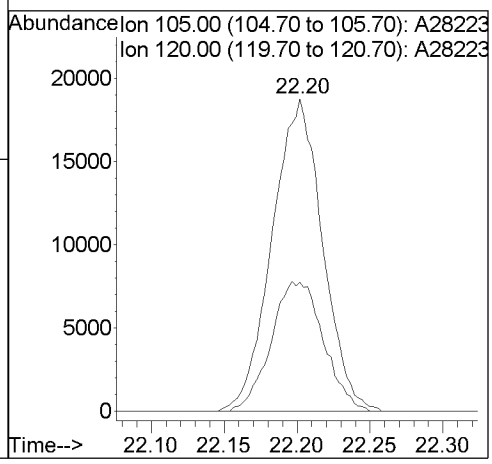




#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.51 PPBv
RT: 22.20 min Scan# 6452
Delta R.T. -0.00 min
Lab File: A28223.D
Acq: 29 Apr 2008 7:17 pm

Tgt Ion:105 Resp: 451656

Ion	Ratio	Lower	Upper
105	100		
120	43.1	35.0	52.4



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28224.D Vial: 10
Acq On : 29 Apr 2008 7:58 pm Operator: WB
Sample : sa77688-11 @ sv5-8 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:36 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

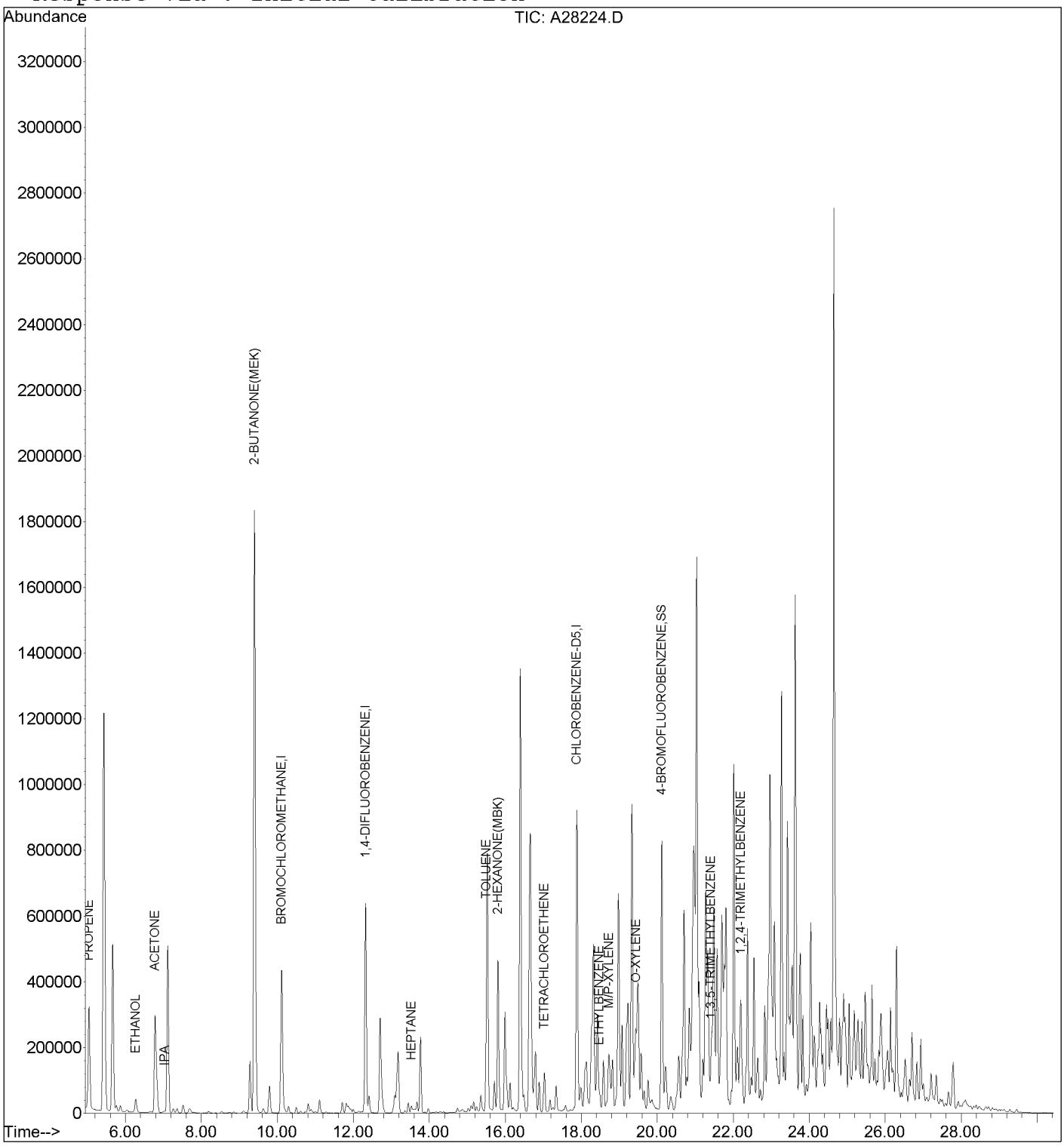
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1385533	10.00	PPBv		0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7248289	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	17.89	82	3736667	10.00	PPBv		0.00
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.12	95	4734713	9.86	PPBv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.60%				
Target Compounds							Qvalue
2) PROPENE	5.04	42	2135835	16.67	PPBv		97
10) ACETONE	6.79	58	2978700	40.24	PPBv	#	24
12) ETHANOL	6.27	45	782916	14.73	PPBv		98
21) IPA	7.03	45	104318	0.33	PPBv	#	61
22) 2-BUTANONE(MEK)	9.40	57	2781624	77.15	PPBv		89
38) HEPTANE	13.53	57	69062	0.34	PPBv	#	83
43) TOLUENE	15.50	91	1470735	2.18	PPBv		99
44) 2-HEXANONE(MBK)	15.81	58	2521539	11.14	PPBv		97
47) TETRACHLOROETHENE	17.01	166	239828	0.72	PPBv		99
51) ETHYLBENZENE	18.48	91	574949	0.63	PPBv		99
52) M/P-XYLENE	18.73	106	998603	2.83	PPBv		96
55) O-XYLENE	19.43	106	255551	0.77	PPBv		86
59) 1,3,5-TRIMETHYLBENZENE	21.40	105	368763	0.35	PPBv		99
61) 1,2,4-TRIMETHYLBENZENE	22.20	105	844983	0.99	PPBv		100

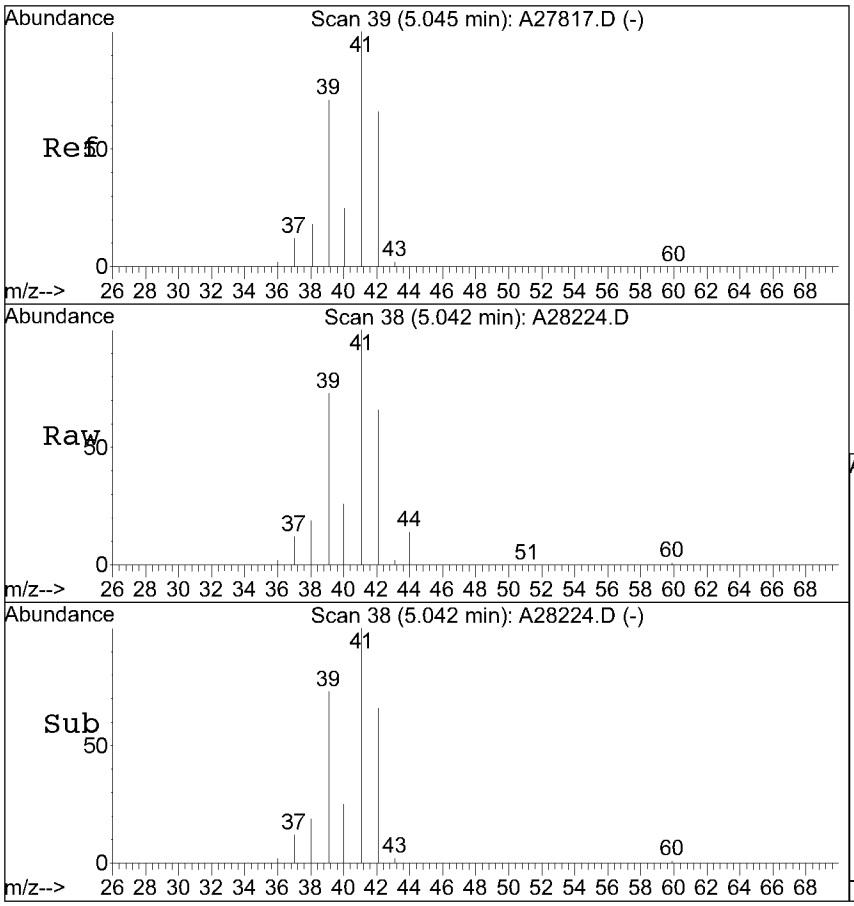
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28224.D Vial: 10
Acq On : 29 Apr 2008 7:58 pm Operator: WB
Sample : sa77688-11 @ sv5-8 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:36 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

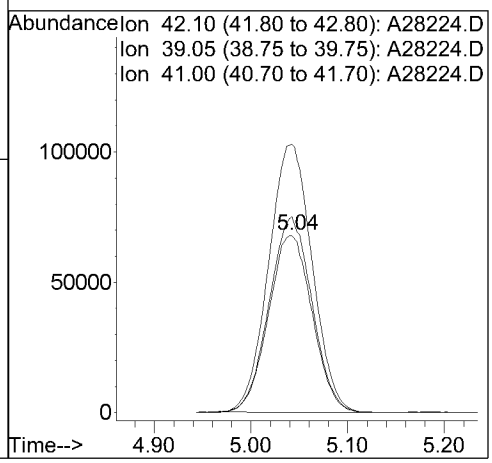


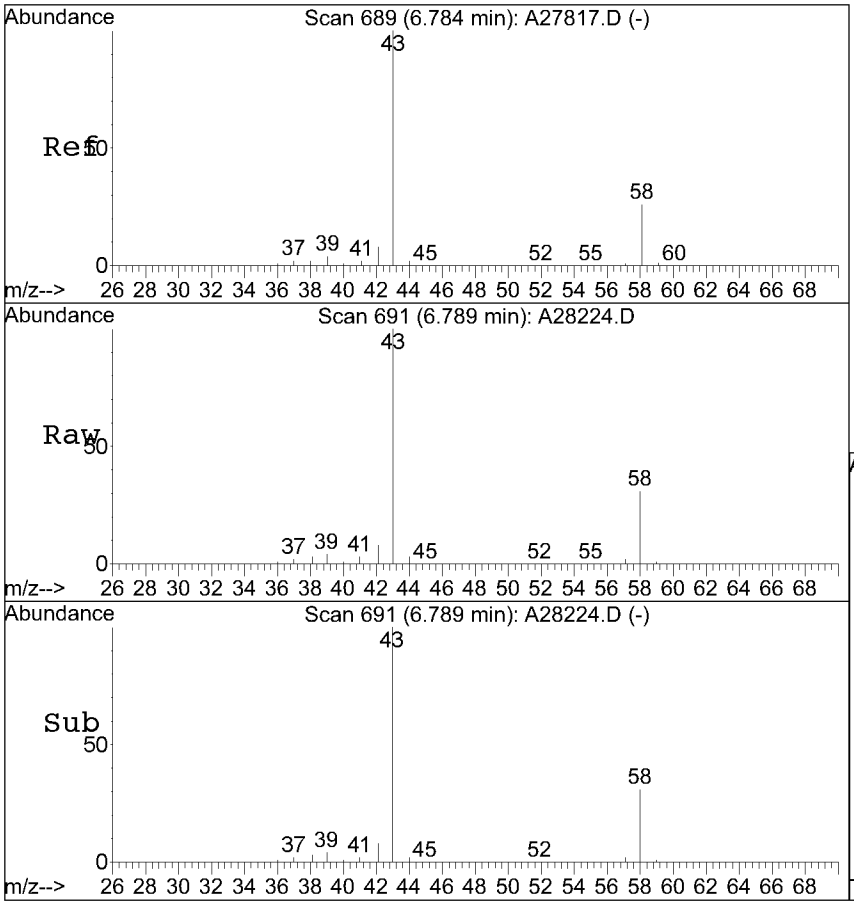


#2
PROPENE
Concen: 16.67 PPBv
RT: 5.04 min Scan# 38
Delta R.T. -0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion: 42 Resp: 2135835

Ion	Ratio	Lower	Upper
42	100		
39	108.8	83.8	125.6
41	151.5	118.4	177.6

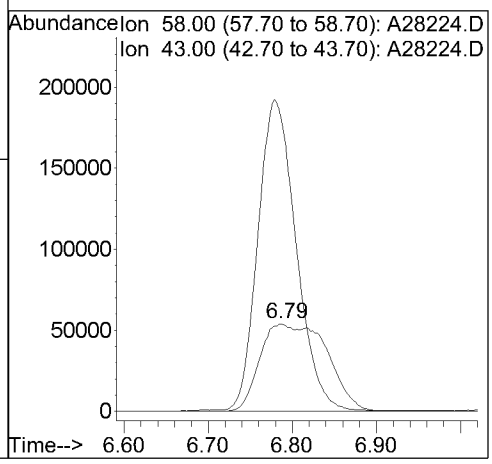


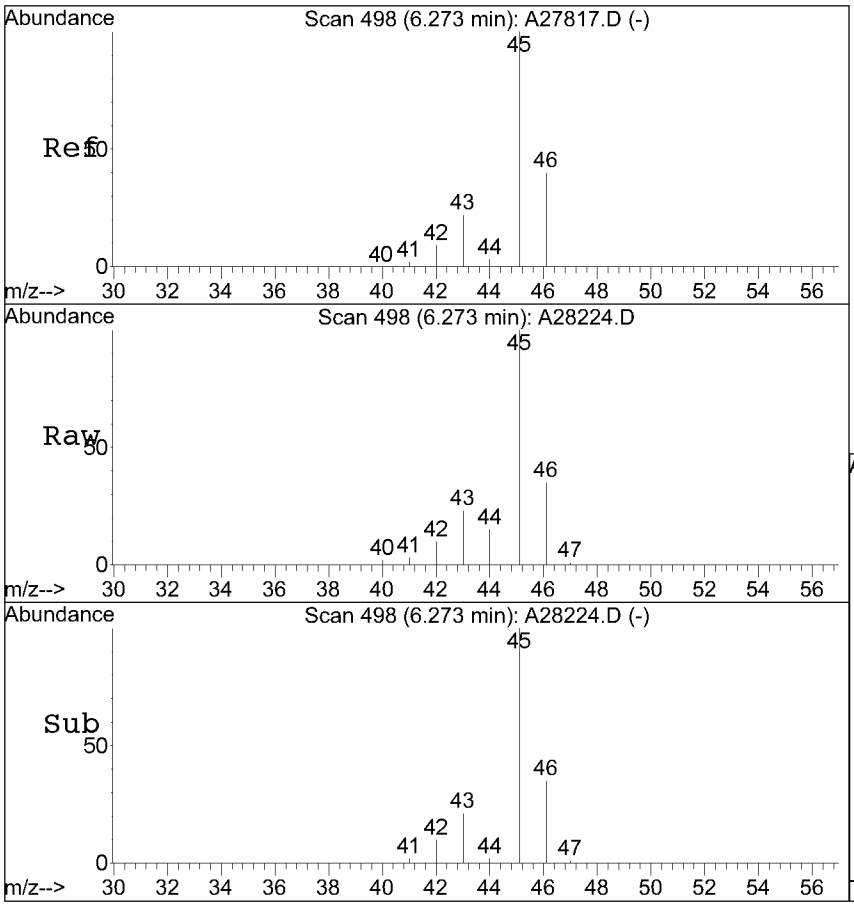


#10
ACETONE
Concen: 40.24 PPBv
RT: 6.79 min Scan# 691
Delta R.T. 0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion: 58 Resp: 2978700

Ion	Ratio	Lower	Upper
58	100		
43	202.2	300.2	450.4#

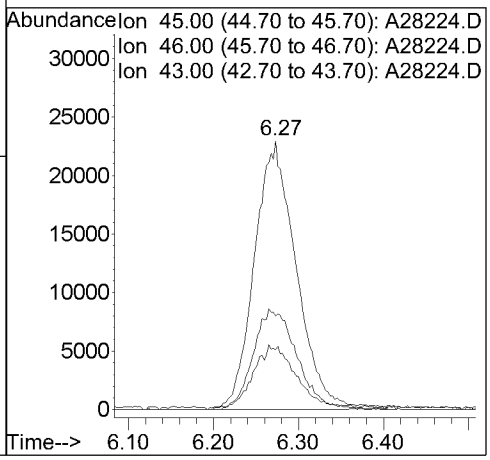


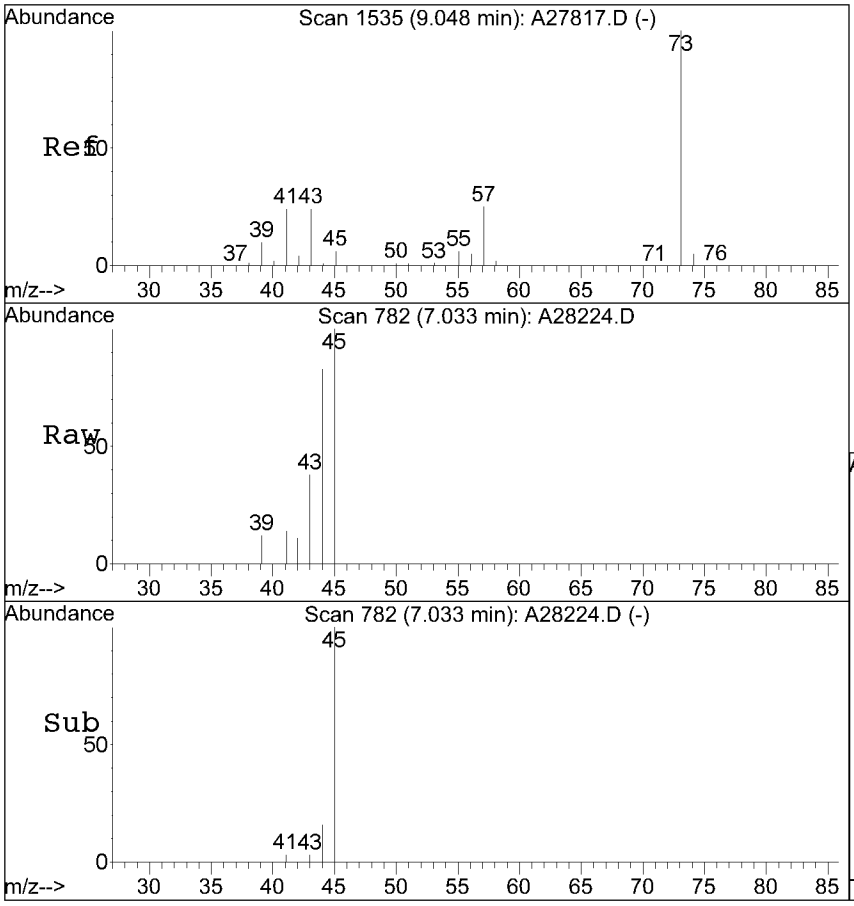


#12
ETHANOL
Concen: 14.73 PPBv
RT: 6.27 min Scan# 498
Delta R.T. -0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion: 45 Resp: 782916

Ion	Ratio	Lower	Upper
45	100		
46	39.2	30.6	46.0
43	23.9	18.0	27.0

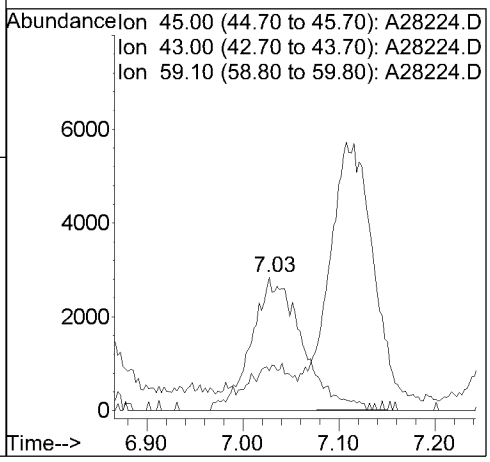


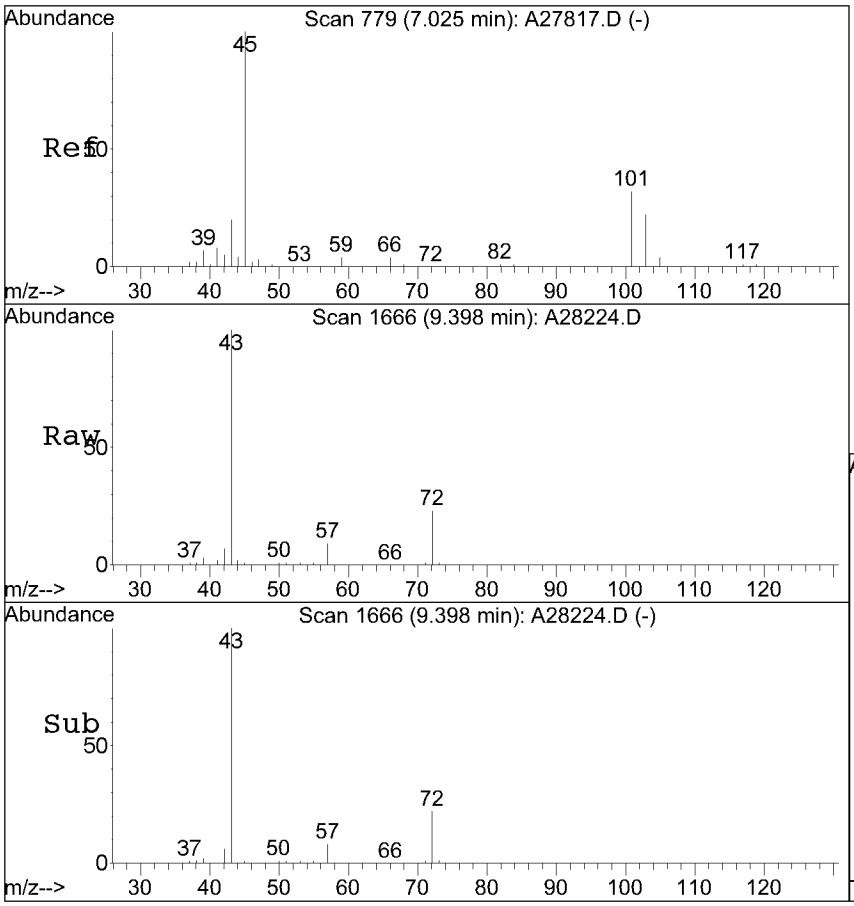


#21
IPA
Concen: 0.33 PPBv
RT: 7.03 min Scan# 782
Delta R.T. 0.01 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion: 45 Resp: 104318

Ion	Ratio	Lower	Upper
45	100		
43	0.0	16.2	24.2#
59	0.0	3.0	4.4#

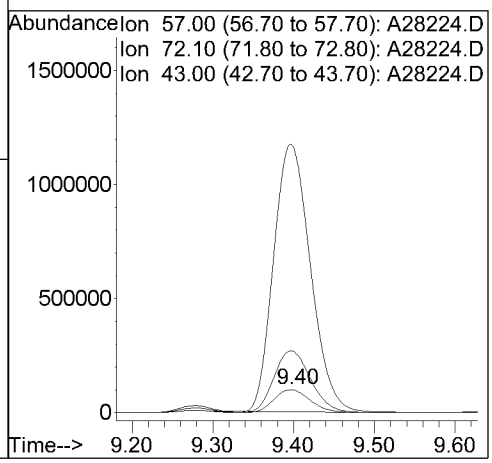


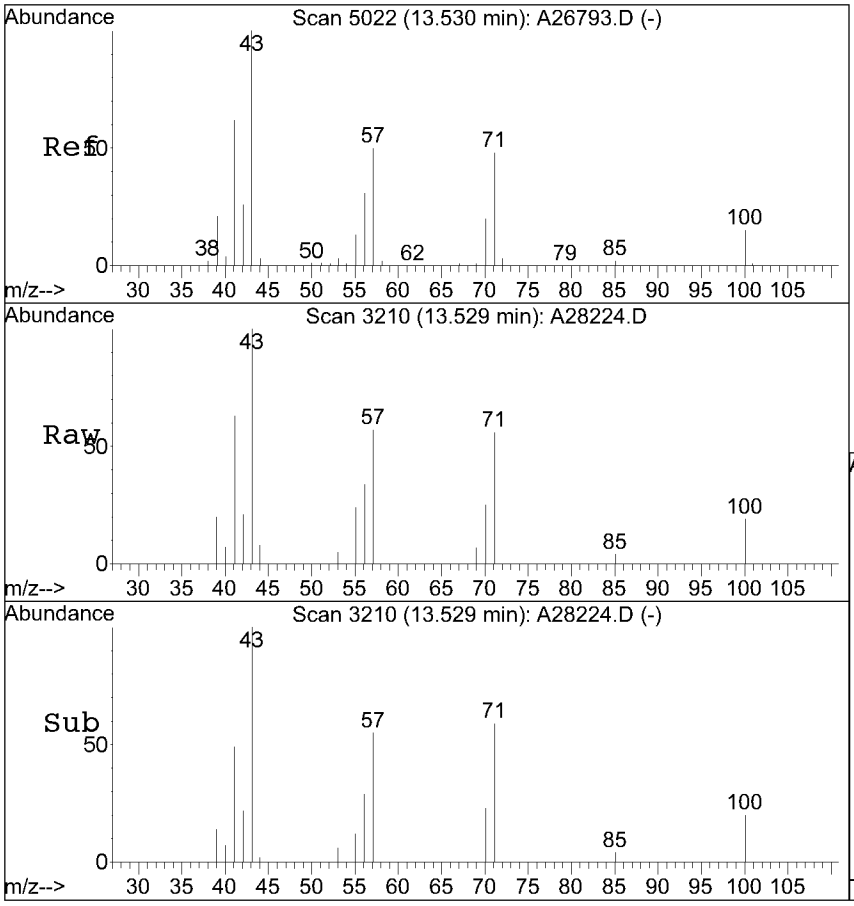


#22
2-BUTANONE(MEK)
Concen: 77.15 PPBv
RT: 9.40 min Scan# 1666
Delta R.T. -0.01 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion: 57 Resp: 2781624

Ion	Ratio	Lower	Upper
57	100		
72	278.4	222.2	333.4
43	1305.0	987.4	1481.0

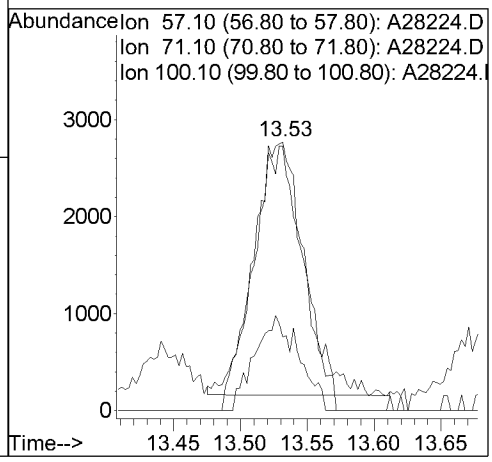


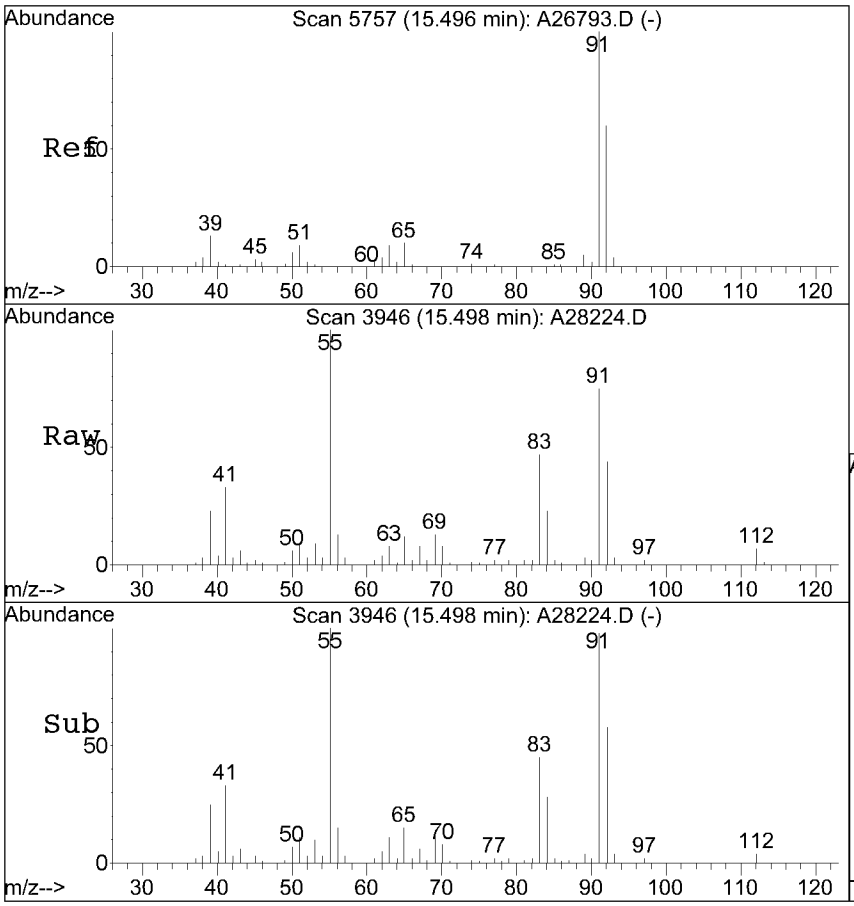


#38
HEPTANE
Concen: 0.34 PPBv
RT: 13.53 min Scan# 3210
Delta R.T. -0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion: 57 Resp: 69062

Ion	Ratio	Lower	Upper
57	100		
71	102.2	79.0	118.4
100	0.0	25.8	38.8#

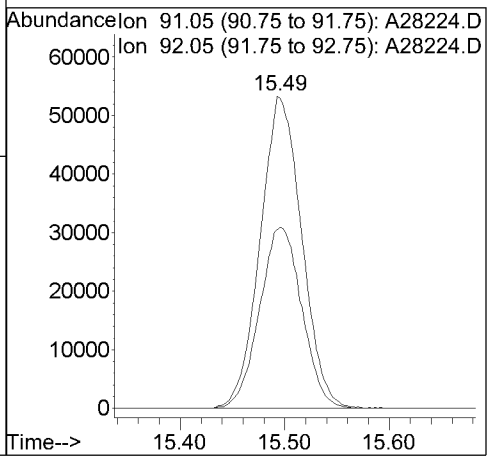


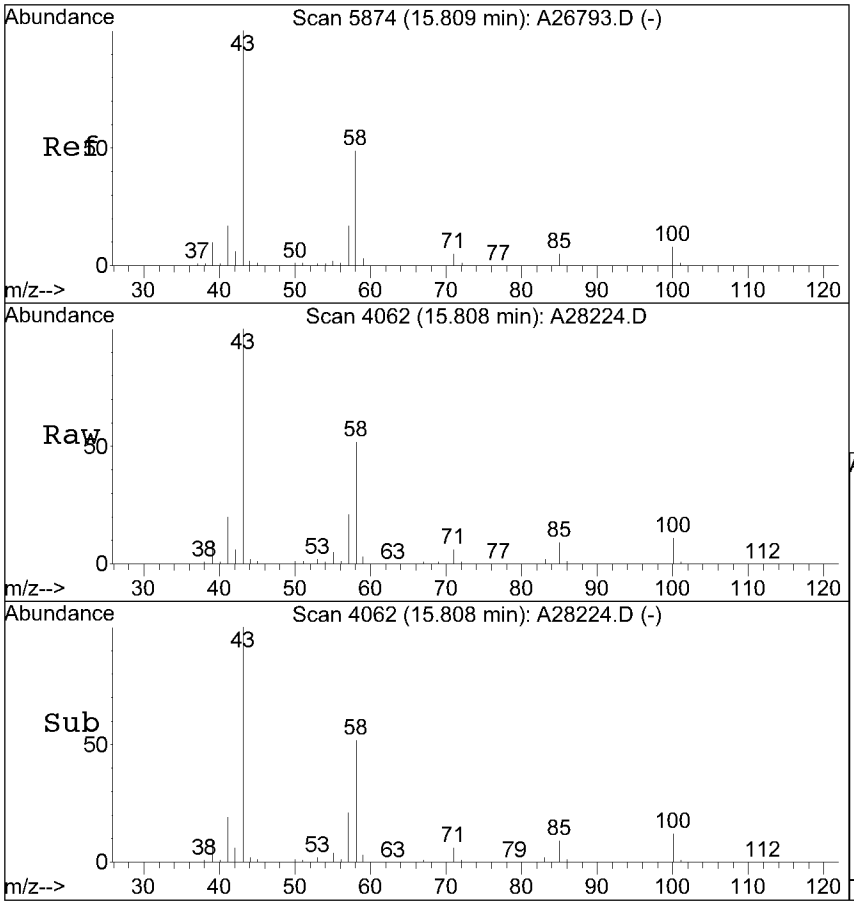


#43
TOLUENE
Concen: 2.18 PPBv
RT: 15.50 min Scan# 3946
Delta R.T. -0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion: 91 Resp: 1470735

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.1	72.1

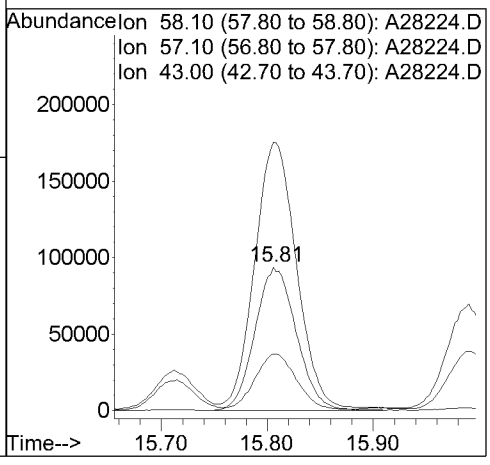


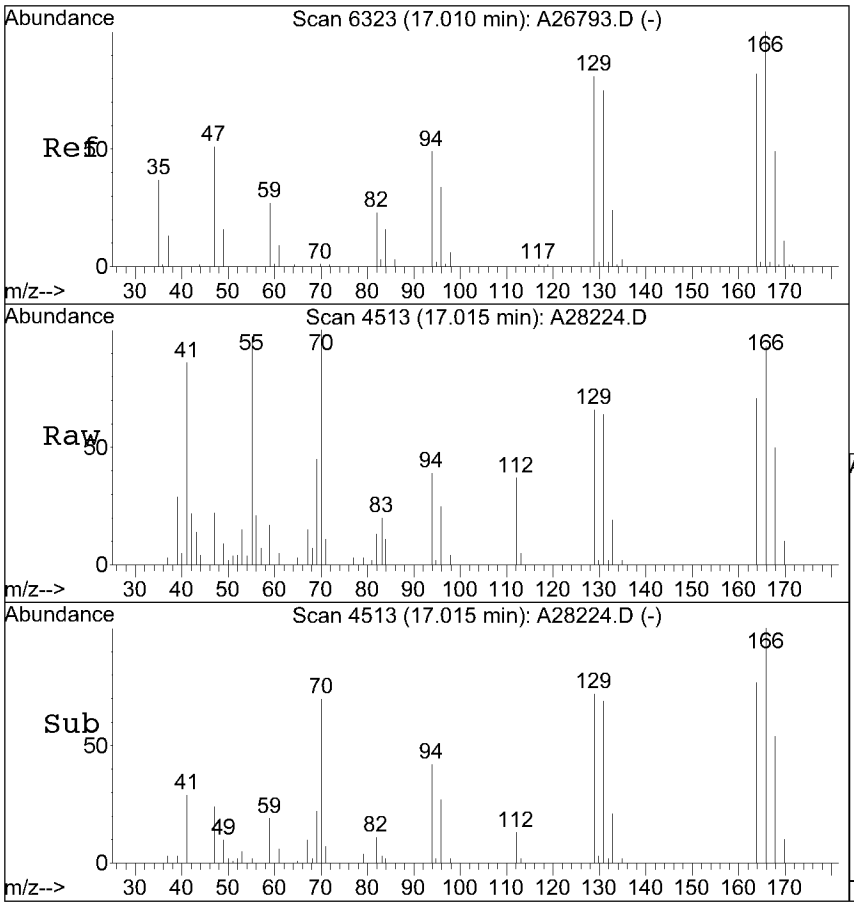


#44
2-HEXANONE(MBK)
Concen: 11.14 PPBv
RT: 15.81 min Scan# 4062
Delta R.T. -0.01 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion: 58 Resp: 2521539

Ion	Ratio	Lower	Upper
58	100		
57	37.0	31.0	46.4
43	184.2	151.5	227.3

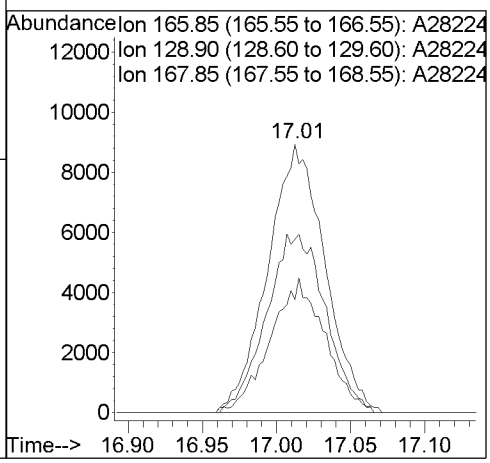


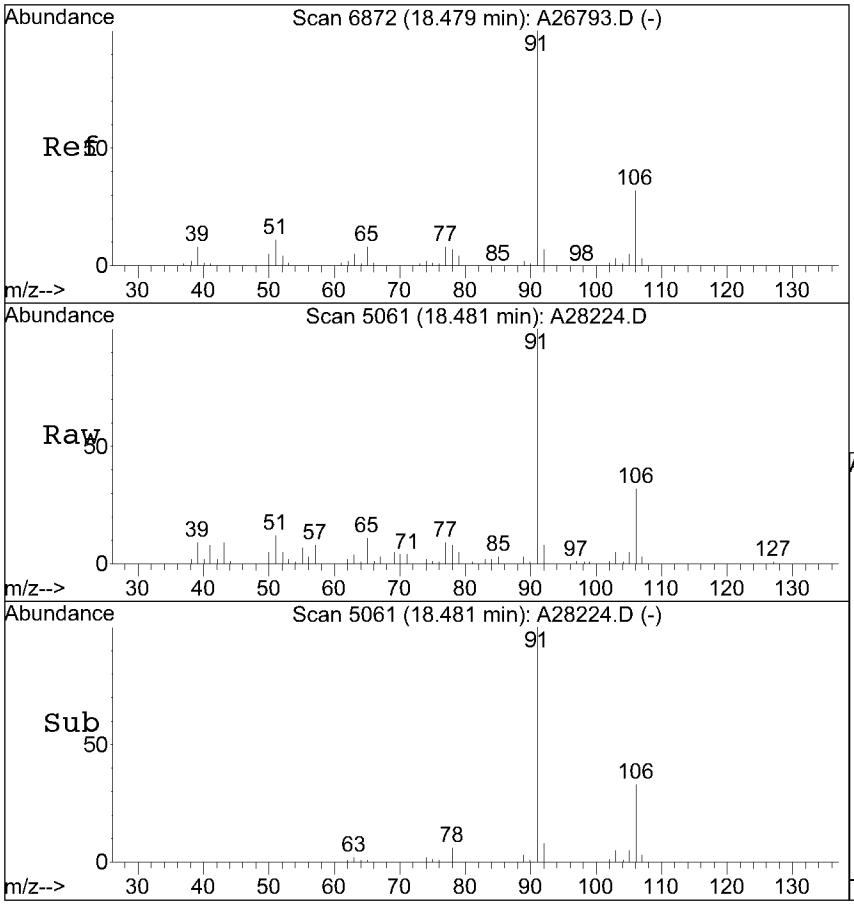


#47
TETRACHLOROETHENE
Concen: 0.72 PPBv
RT: 17.01 min Scan# 4513
Delta R.T. -0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion:166 Resp: 239828

Ion	Ratio	Lower	Upper
166	100		
129	68.8	56.6	84.8
168	47.7	38.0	57.0

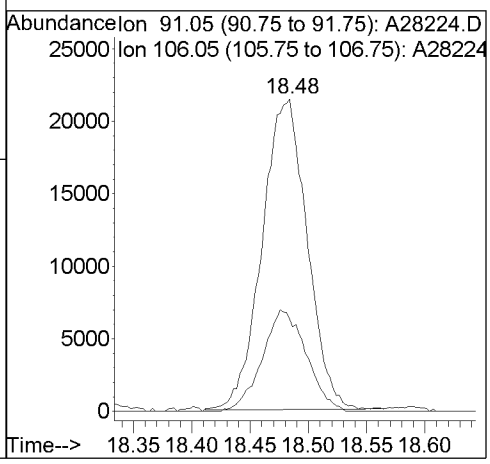


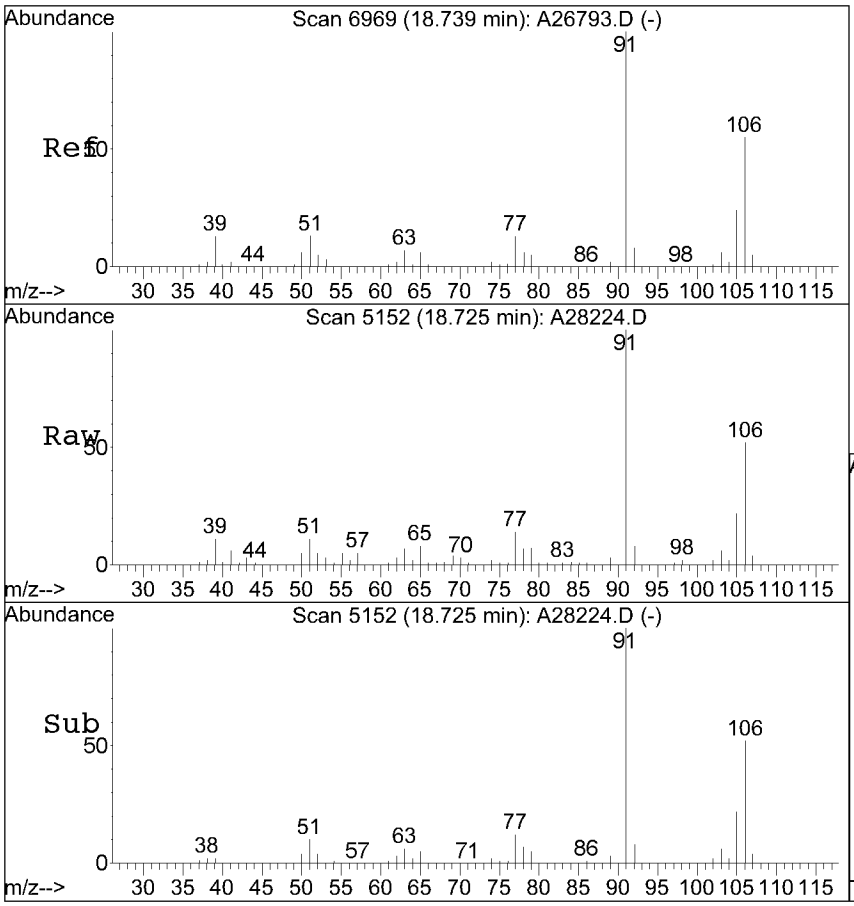


#51
ETHYLBENZENE
Concen: 0.63 PPBv
RT: 18.48 min Scan# 5061
Delta R.T. -0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion: 91 Resp: 574949

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.8	38.8

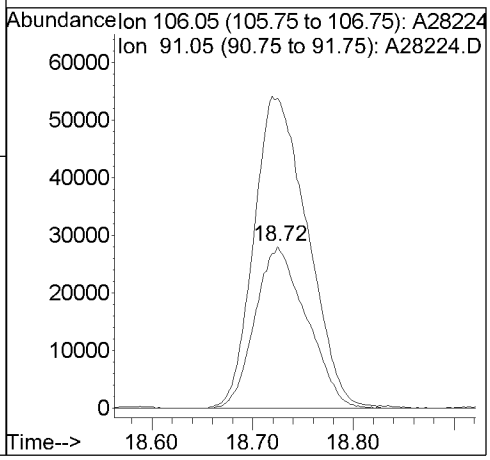


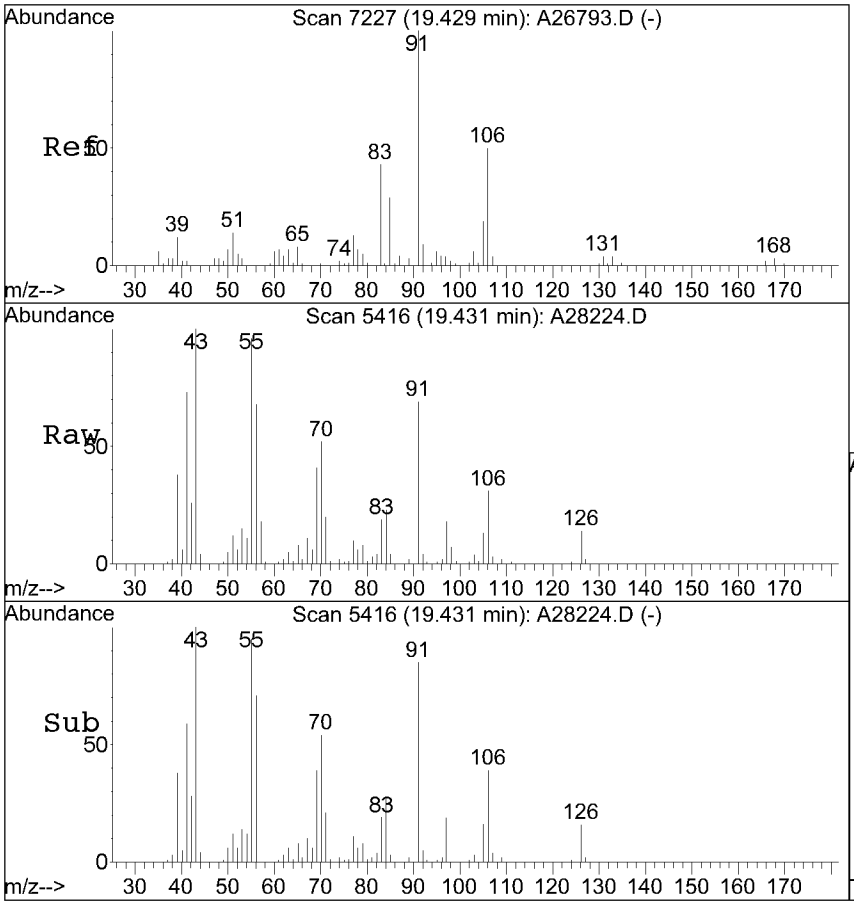


#52
M/P-XYLENE
Concen: 2.83 PPBv
RT: 18.73 min Scan# 5152
Delta R.T. -0.01 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion:106 Resp: 998603

Ion	Ratio	Lower	Upper
106	100		
91	200.5	155.7	233.5

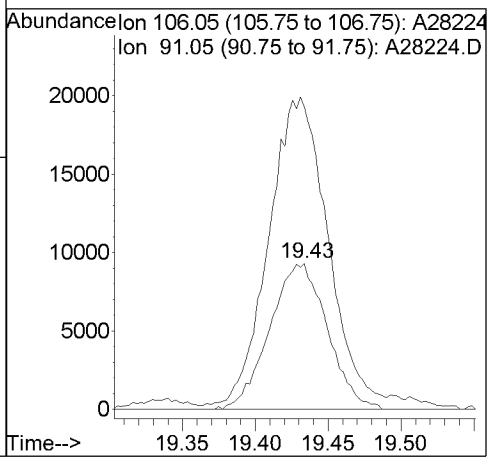


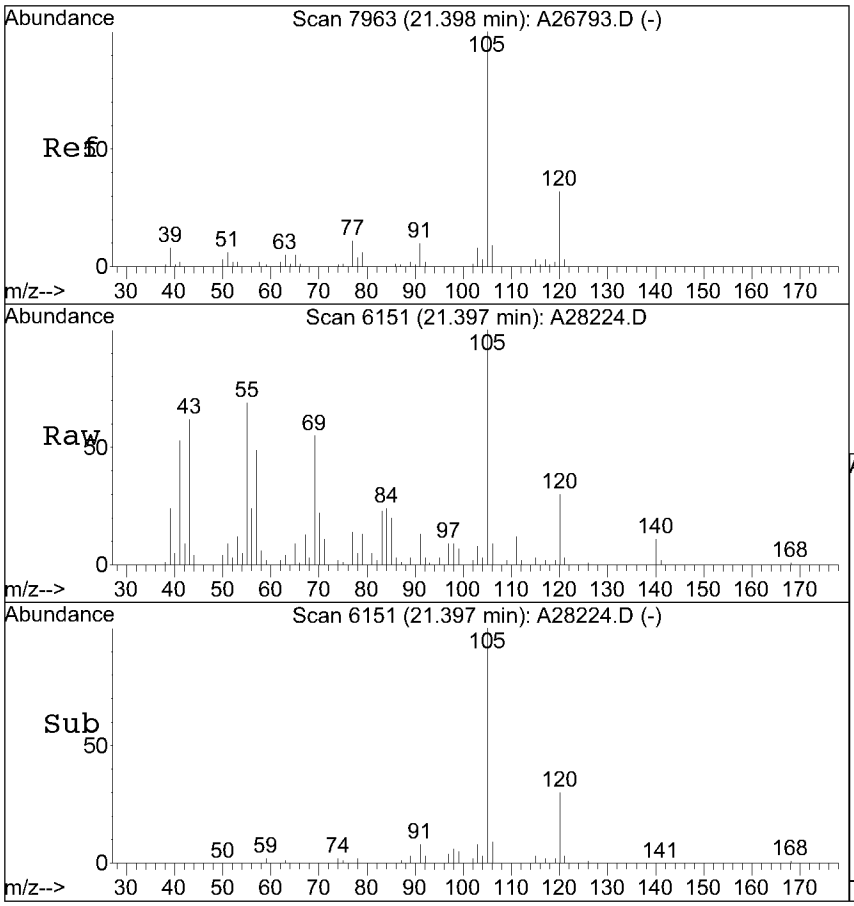


#55
O-XYLENE
Concen: 0.77 PPBv
RT: 19.43 min Scan# 5416
Delta R.T. -0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion:106 Resp: 255551

Ion	Ratio	Lower	Upper
106	100		
91	234.3	169.3	253.9

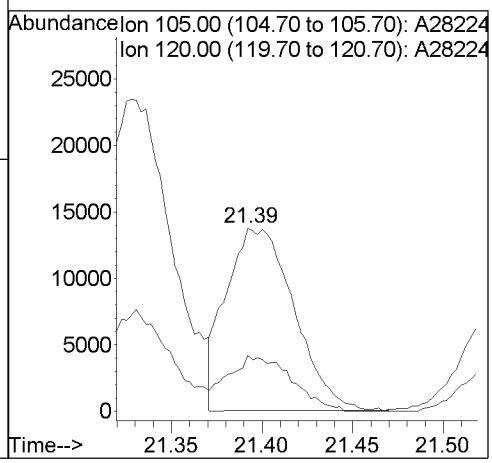


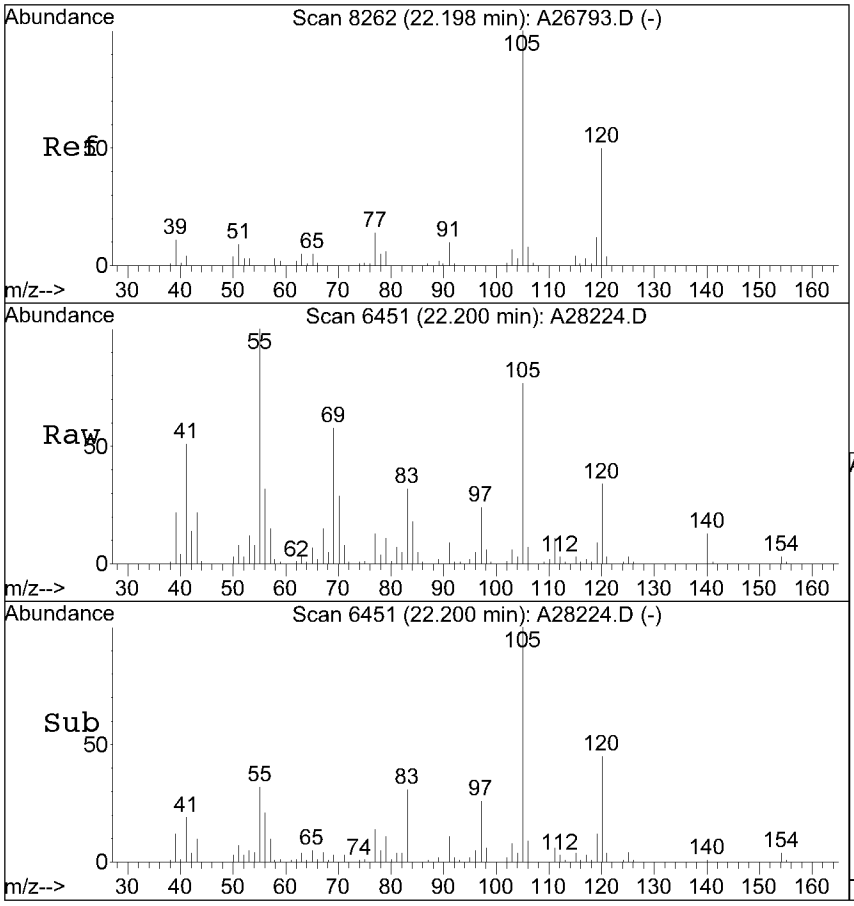


#59
1,3,5-TRIMETHYLBENZENE
Concen: 0.35 PPBv
RT: 21.40 min Scan# 6151
Delta R.T. -0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion:105 Resp: 368763

Ion	Ratio	Lower	Upper
105	100		
120	28.2	22.9	34.3

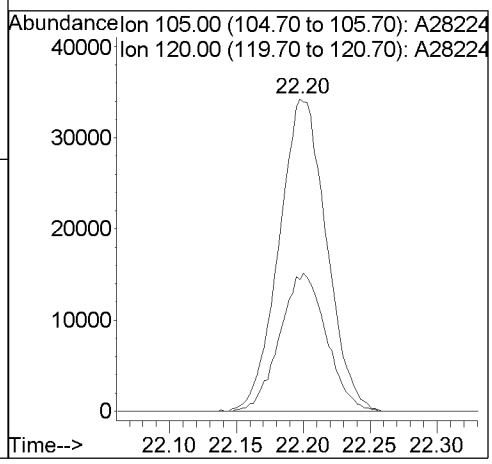




#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.99 PPBv
RT: 22.20 min Scan# 6451
Delta R.T. -0.00 min
Lab File: A28224.D
Acq: 29 Apr 2008 7:58 pm

Tgt Ion:105 Resp: 844983

Ion	Ratio	Lower	Upper
105	100		
120	43.5	35.0	52.4



Quantitation Report (QT Reviewed)

Data File : G:\APR2008\AIR1\042908\A28225.D Vial: 11
Acq On : 29 Apr 2008 8:39 pm Operator: WB
Sample : sa77688-12 @ sv5-55 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:42 2008 Quant Results File: T1040408.RES

Quant Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration
DataAcq Meth : AT153077

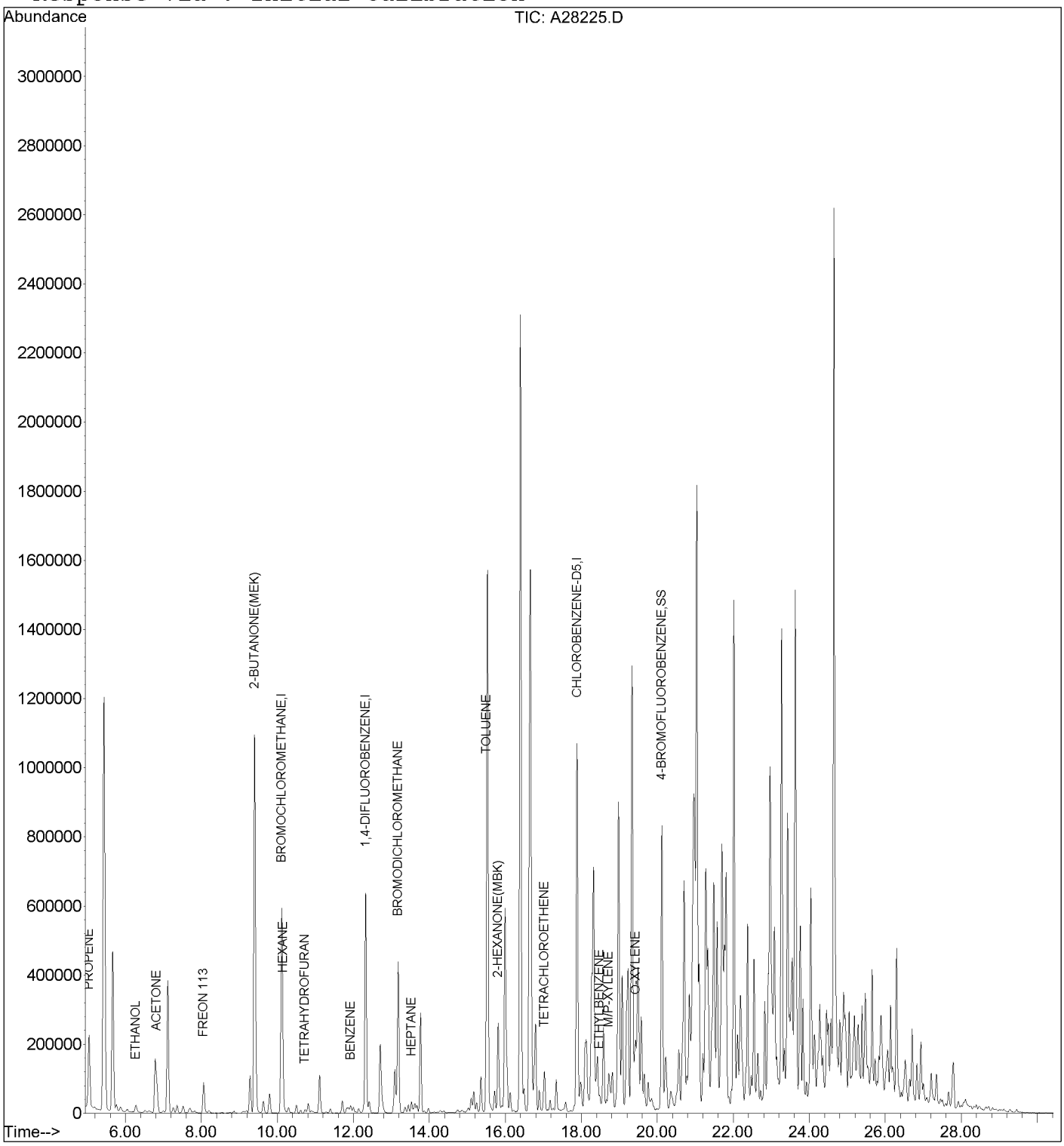
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.11	128	1391678	10.00	PPBv		0.00
33) 1,4-DIFLUOROBENZENE	12.32	114	7319803	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	17.89	82	3814931	10.00	PPBv		0.00
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.12	95	4792588	9.77	PPBv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.70%				
Target Compounds							Qvalue
2) PROPENE	5.04	42	1412296	10.98	PPBv		96
10) ACETONE	6.83	58	1898517	25.53	PPBv	#	1
12) ETHANOL	6.28	45	384889	7.21	PPBv		95
16) FREON 113	8.06	101	561432	1.49	PPBv		98
22) 2-BUTANONE(MEK)	9.40	57	1569755	43.35	PPBv		82
24) HEXANE	10.15	57	303724	0.93	PPBv		75
27) TETRAHYDROFURAN	10.73	71	42087	0.49	PPBv	#	67
30) BENZENE	11.93	78	264720	0.45	PPBv		100
35) BROMODICHLOROMETHANE	13.18	83	123114	0.31	PPBv	#	24
38) HEPTANE	13.53	57	105446	0.51	PPBv		96
43) TOLUENE	15.50	91	1585493	2.33	PPBv		98
44) 2-HEXANONE(MBK)	15.81	58	1276777	5.59	PPBv		96
47) TETRACHLOROETHENE	17.02	166	285880	0.85	PPBv		98
51) ETHYLBENZENE	18.48	91	425529	0.46	PPBv		100
52) M/P-XYLENE	18.72	106	638111	1.77	PPBv		95
55) O-XYLENE	19.43	106	149394	0.44	PPBv		87

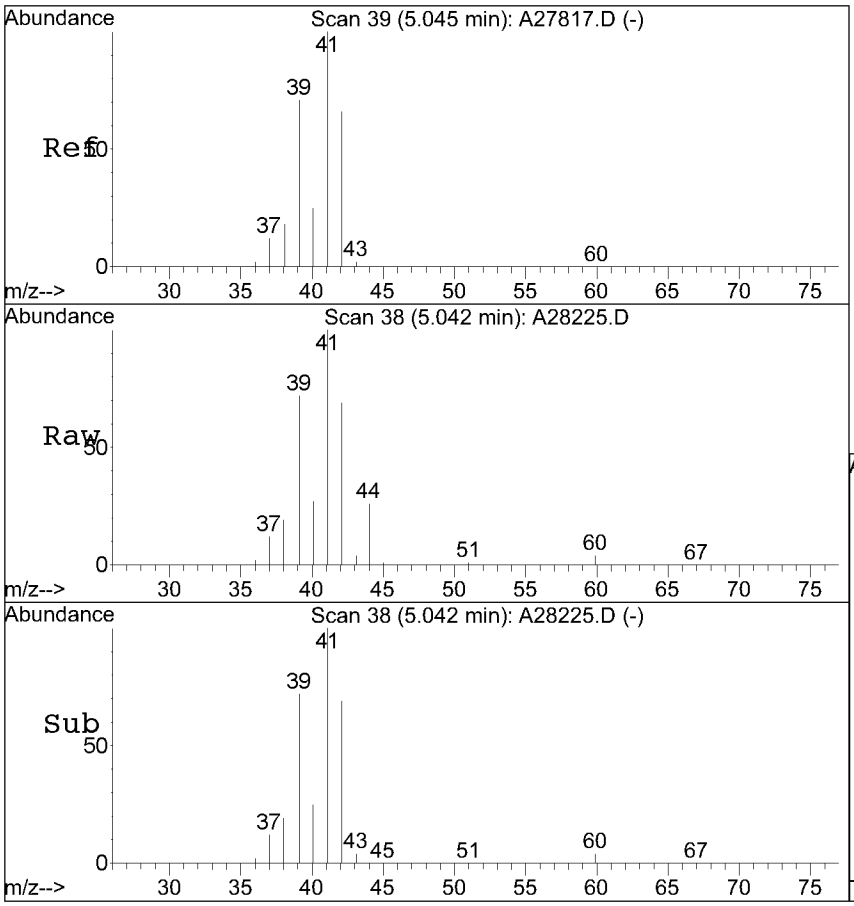
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\APR2008\AIR1\042908\A28225.D Vial: 11
Acq On : 29 Apr 2008 8:39 pm Operator: WB
Sample : sa77688-12 @ sv5-55 5x to-15 Inst : GCMS Air
Misc : 5 Multiplr: 1.00
MS Integration Params: events.e
Quant Time: May 1 9:42 2008 Quant Results File: T1040408.RES

Method : C:\HPCHEM\1\METHODS\T1040408.M (Chemstation Integrator)
Title :
Last Update : Mon Apr 07 08:27:56 2008
Response via : Initial Calibration

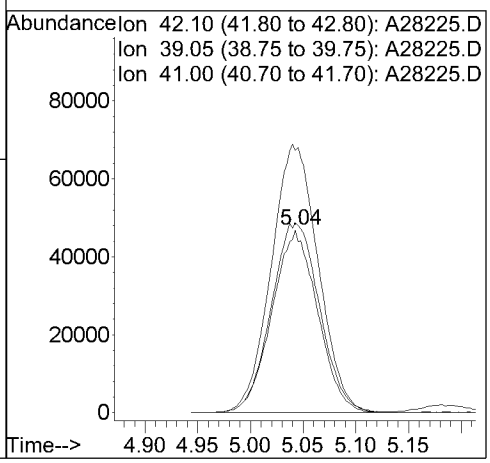


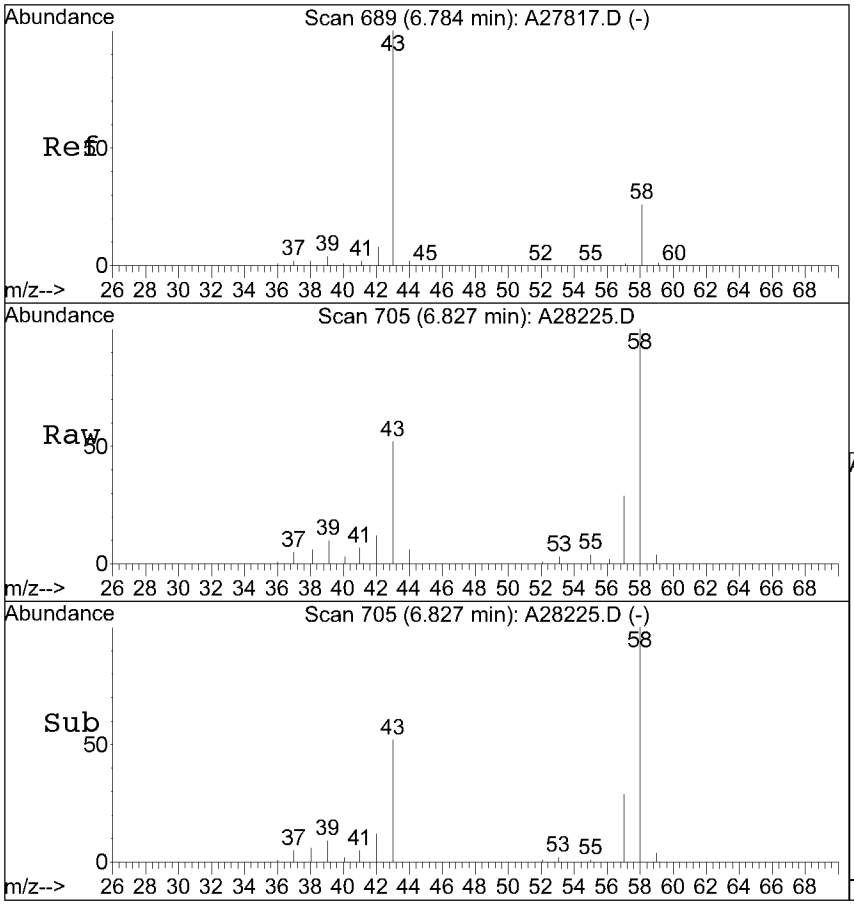


#2
PROPENE
Concen: 10.98 PPBv
RT: 5.04 min Scan# 38
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 42 Resp: 1412296

Ion	Ratio	Lower	Upper
42	100		
39	110.3	83.8	125.6
41	151.8	118.4	177.6

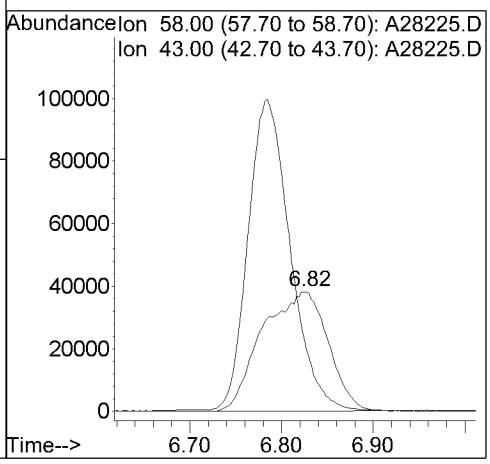


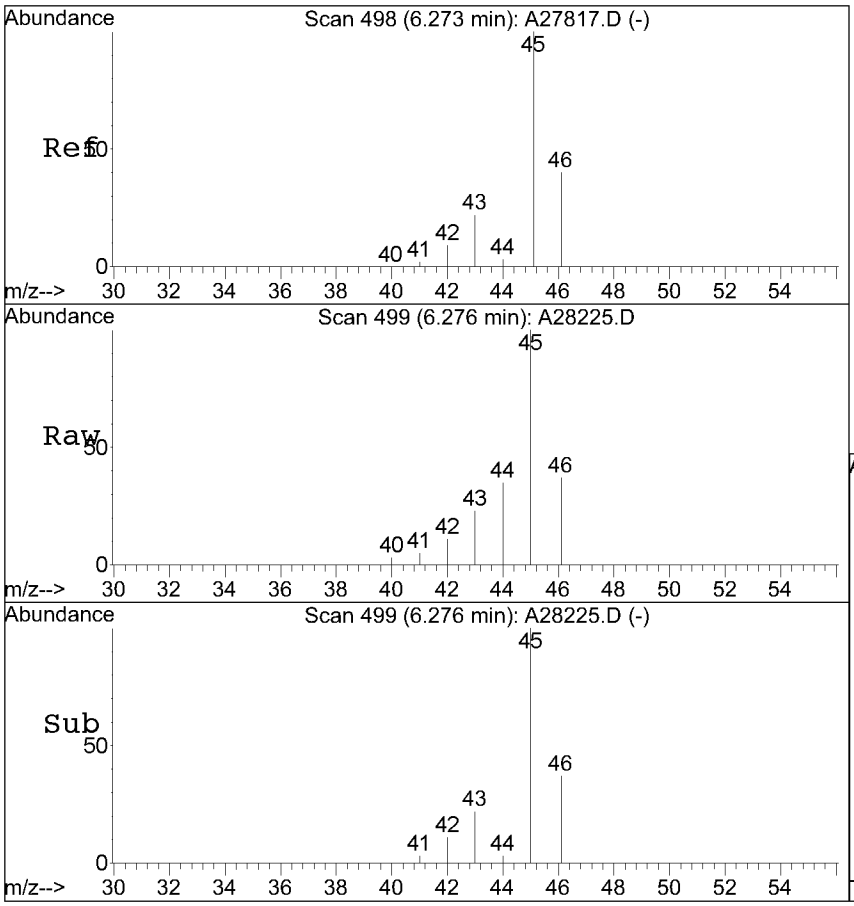


#10
ACETONE
Concen: 25.53 PPBv
RT: 6.83 min Scan# 705
Delta R.T. 0.04 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 58 Resp: 1898517

Ion	Ratio	Lower	Upper
58	100		
43	0.0	300.2	450.4#

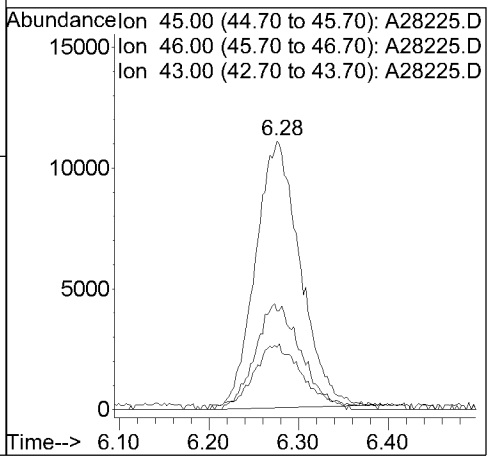


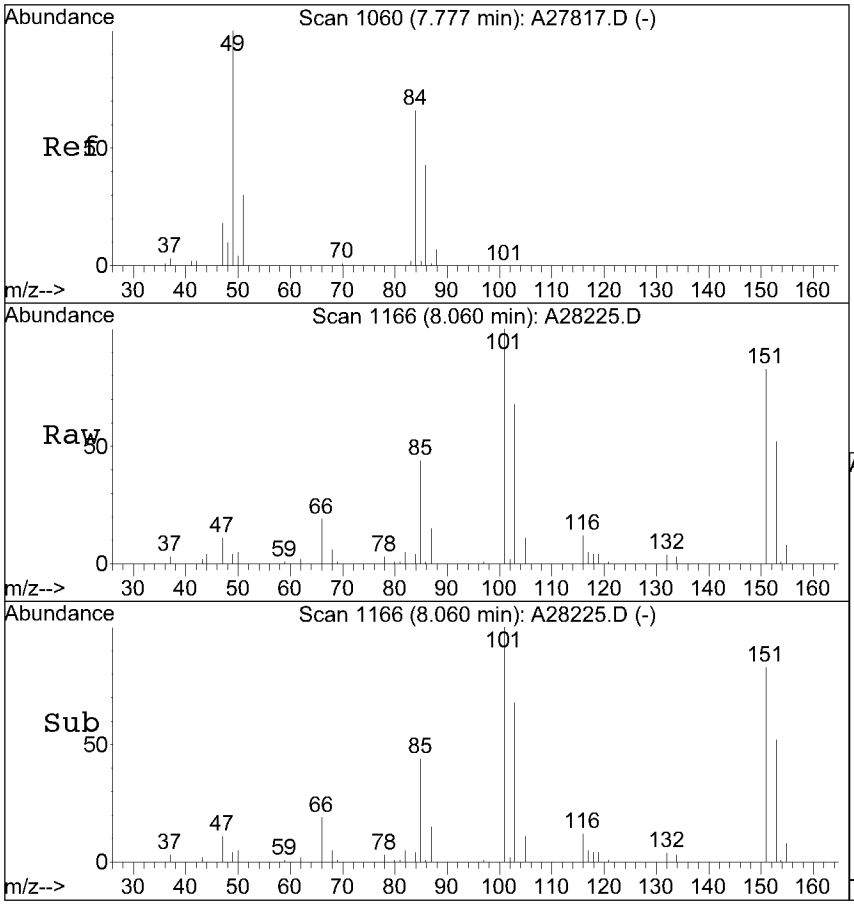


#12
ETHANOL
Concen: 7.21 PPBv
RT: 6.28 min Scan# 499
Delta R.T. 0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 45 Resp: 384889

Ion	Ratio	Lower	Upper
45	100		
46	40.4	30.6	46.0
43	25.5	18.0	27.0

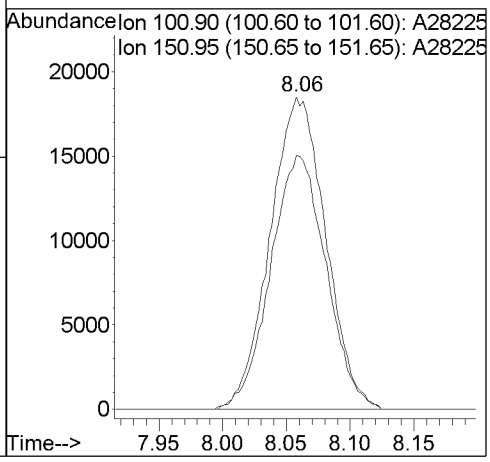


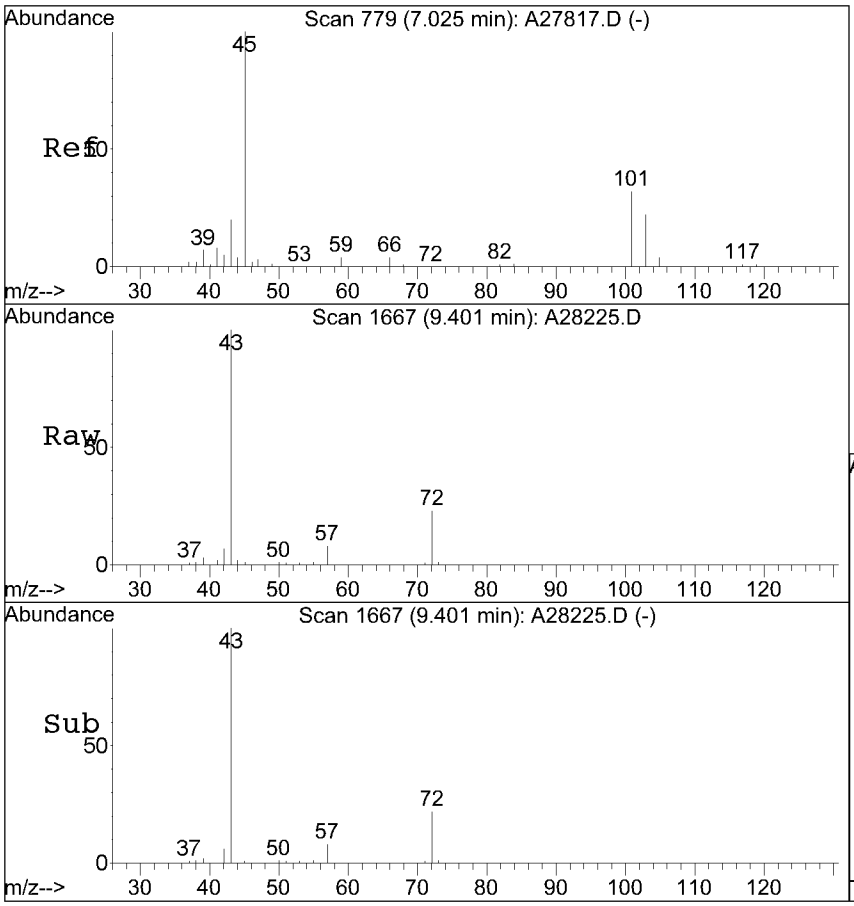


#16
FREON 113
Concen: 1.49 PPBv
RT: 8.06 min Scan# 1166
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion:101 Resp: 561432

Ion	Ratio	Lower	Upper
101	100		
151	81.1	63.4	95.0

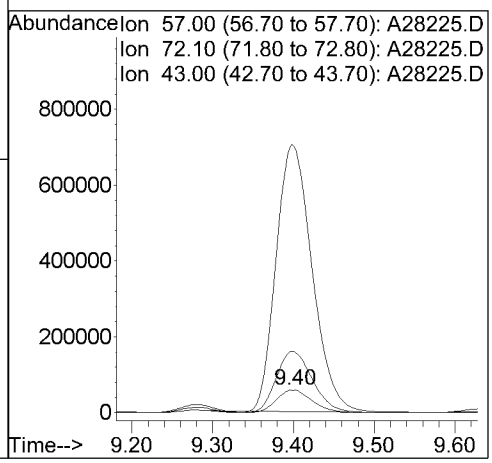


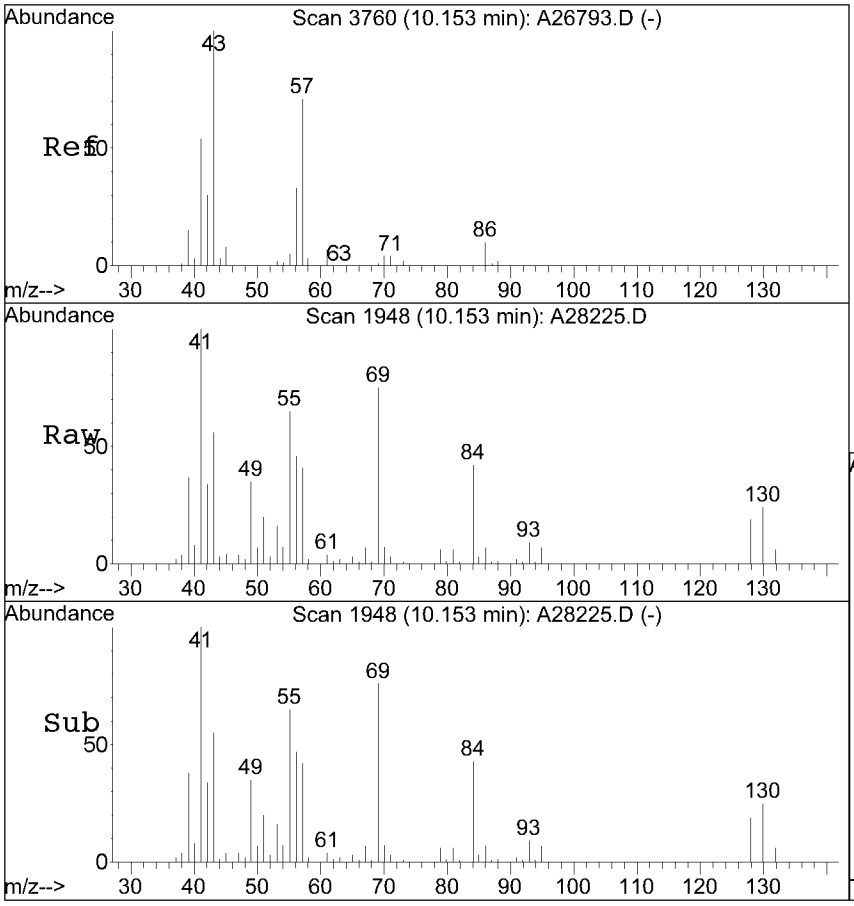


#22
2-BUTANONE(MEK)
Concen: 43.35 PPBv
RT: 9.40 min Scan# 1667
Delta R.T. -0.01 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 57 Resp: 1569755

Ion	Ratio	Lower	Upper
57	100		
72	284.1	222.2	333.4
43	1342.2	987.4	1481.0

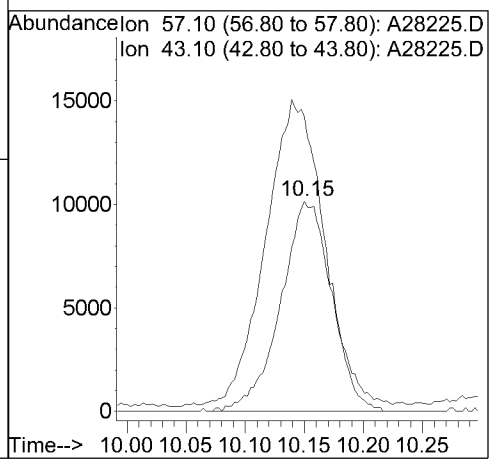


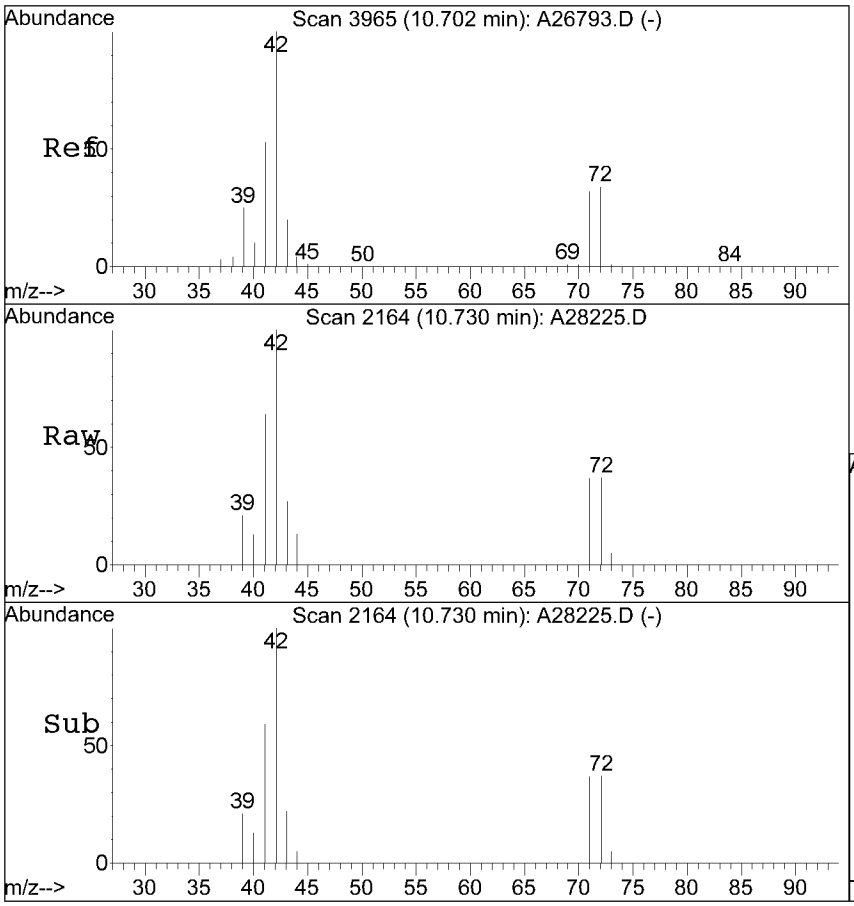


#24
HEXANE
Concen: 0.93 PPBv
RT: 10.15 min Scan# 1948
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 57 Resp: 303724

Ion	Ratio	Lower	Upper
57	100		
43	166.9	163.9	245.9

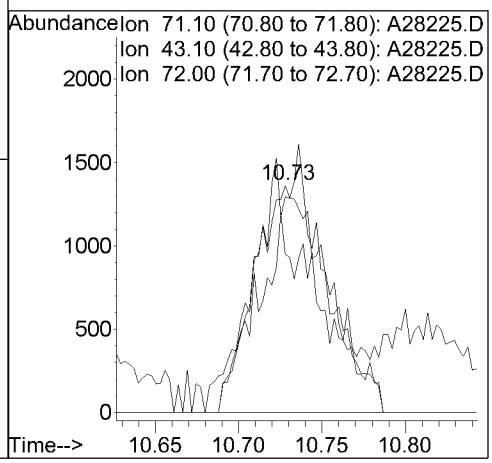


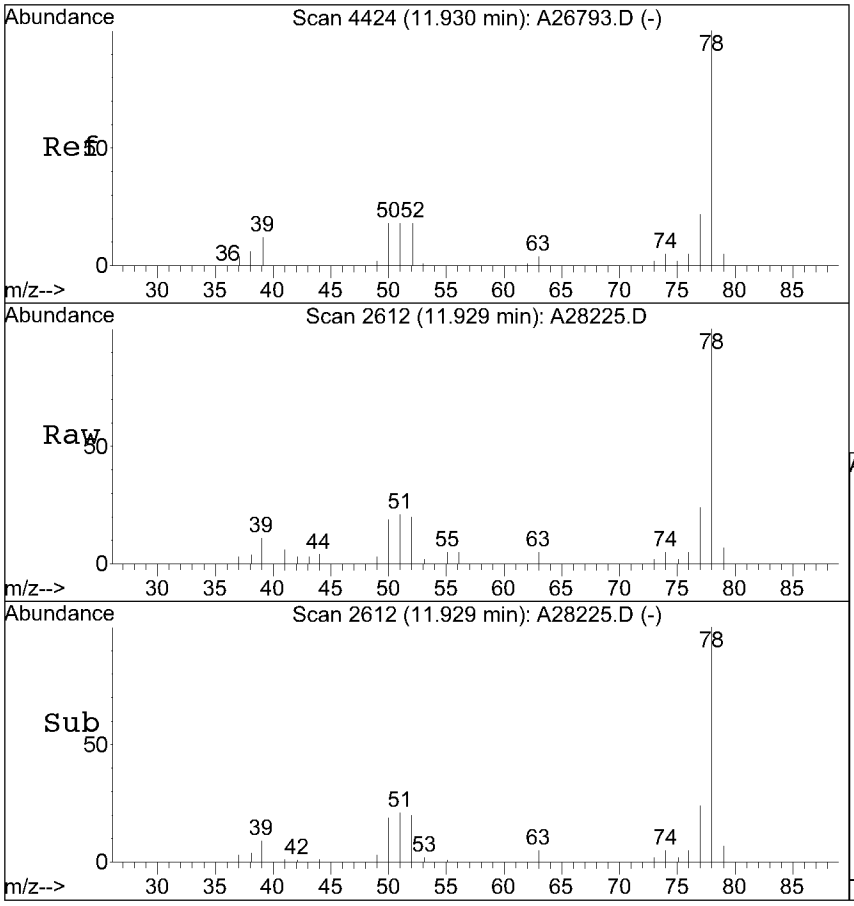


#27
TETRAHYDROFURAN
Concen: 0.49 PPBv
RT: 10.73 min Scan# 2164
Delta R.T. 0.02 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 71 Resp: 42087

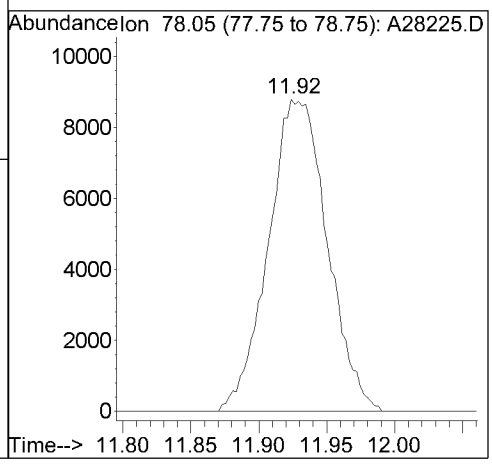
Ion	Ratio	Lower	Upper
71	100		
43	0.0	51.8	77.6#
72	104.4	85.9	128.9

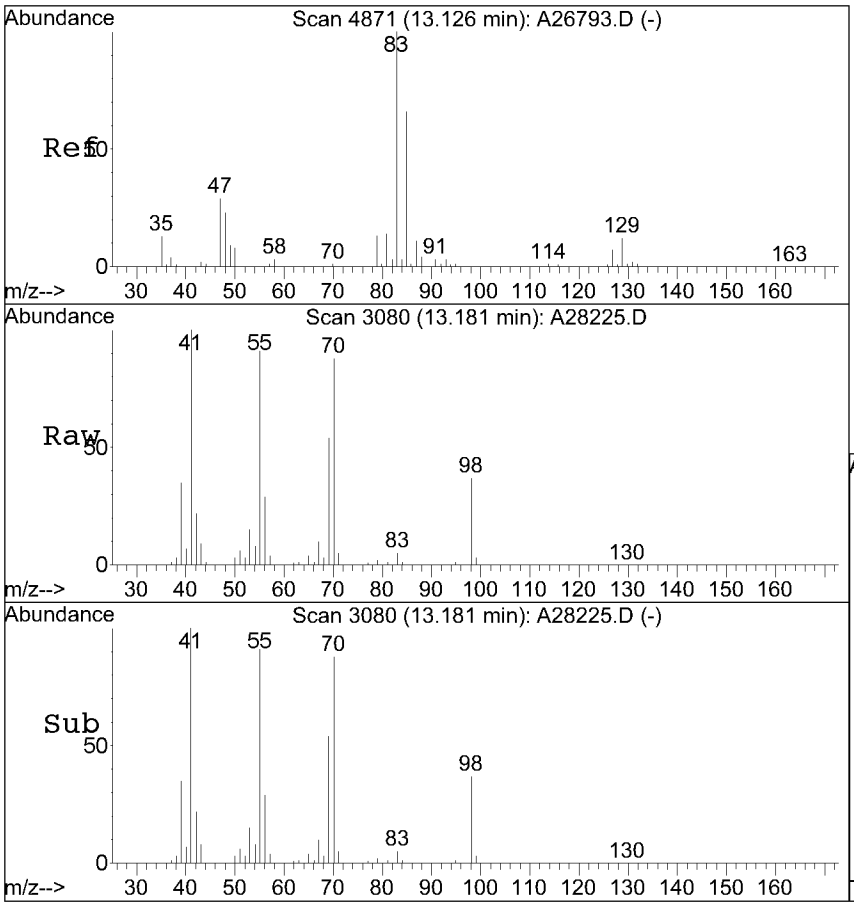




#30
BENZENE
Concen: 0.45 PPBv
RT: 11.93 min Scan# 2612
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 78 Resp: 264720

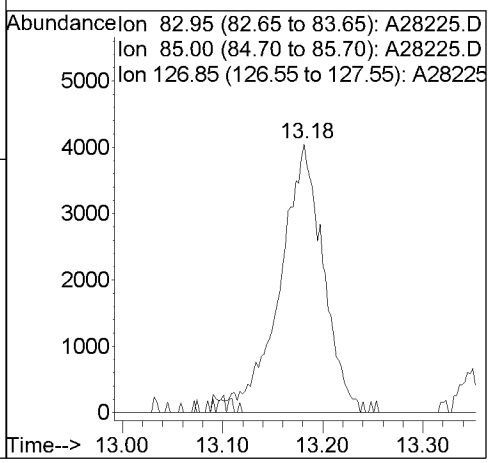


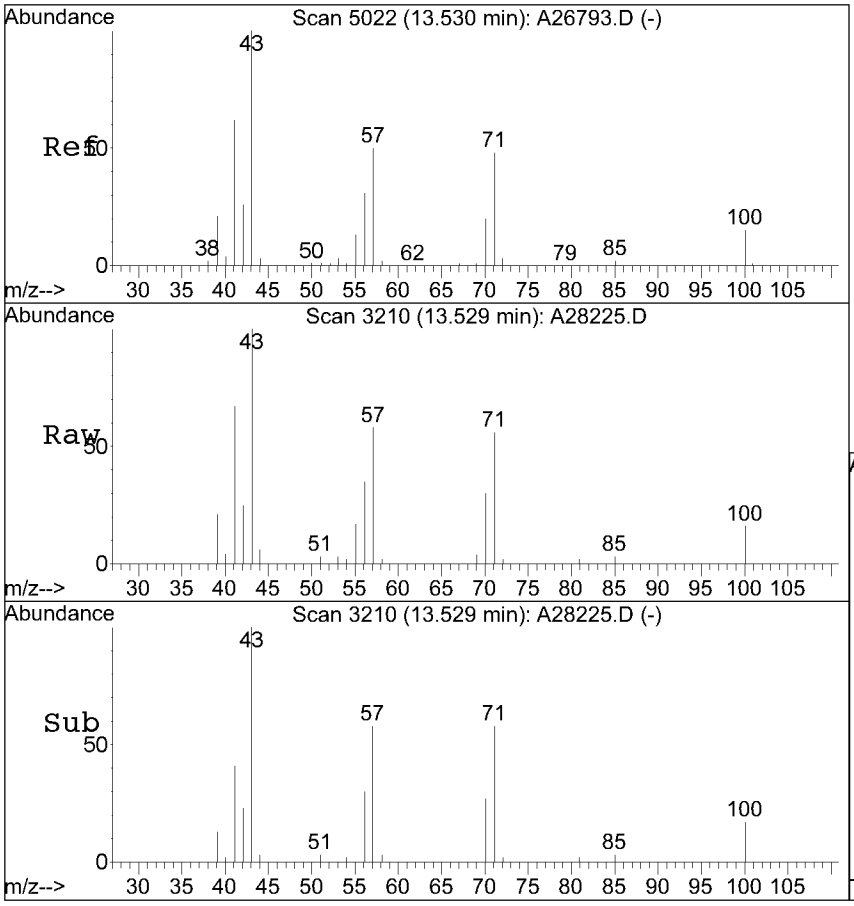


#35
BROMODICHLOROMETHANE
Concen: 0.31 PPBv
RT: 13.18 min Scan# 3080
Delta R.T. 0.05 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 83 Resp: 123114

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.6	77.4#
127	0.0	6.5	9.7#

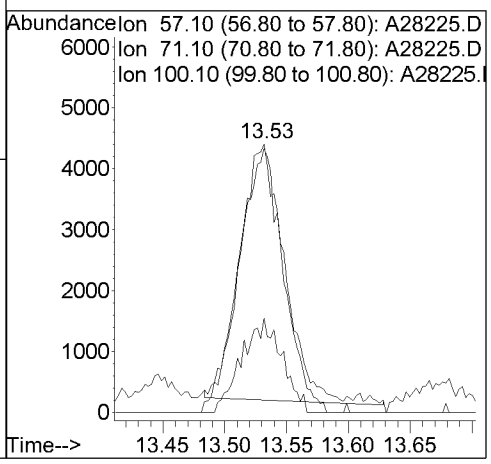


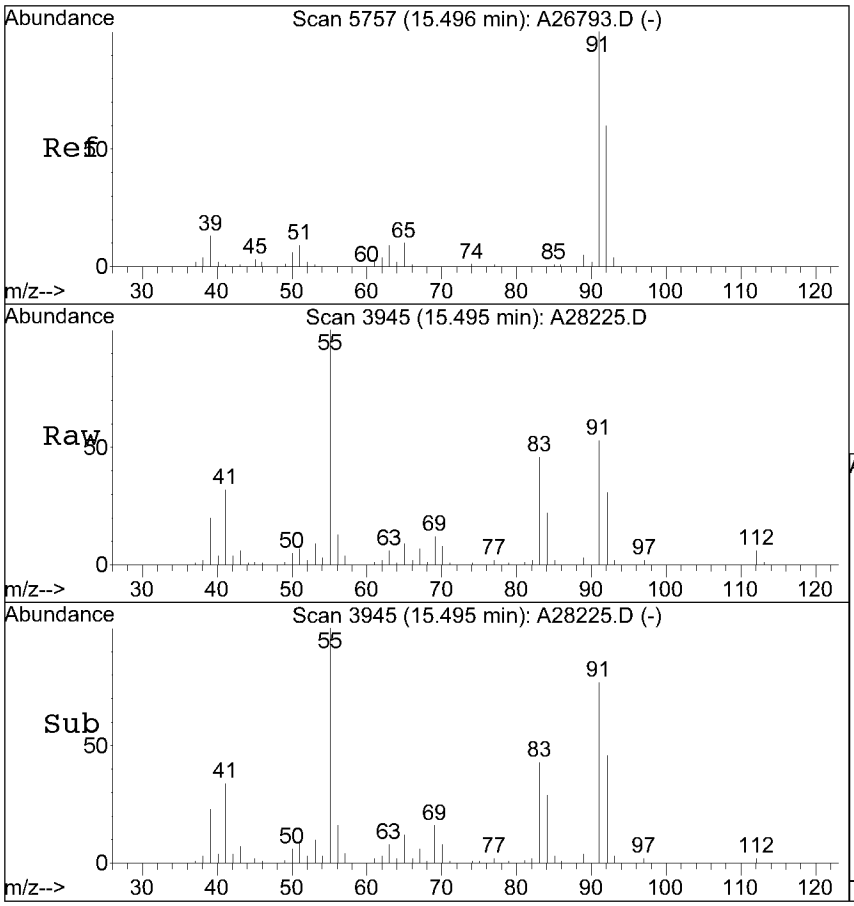


#38
HEPTANE
Concen: 0.51 PPBv
RT: 13.53 min Scan# 3210
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 57 Resp: 105446

Ion	Ratio	Lower	Upper
57	100		
71	103.5	79.0	118.4
100	33.0	25.8	38.8

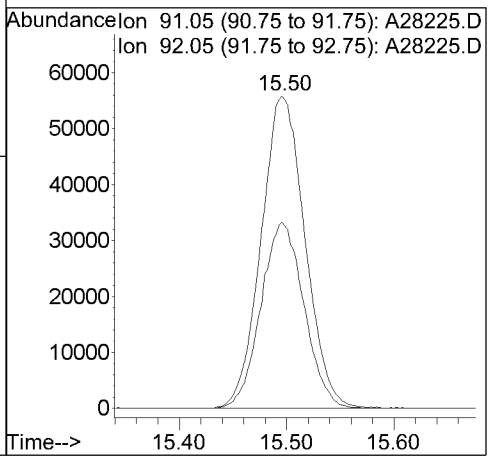


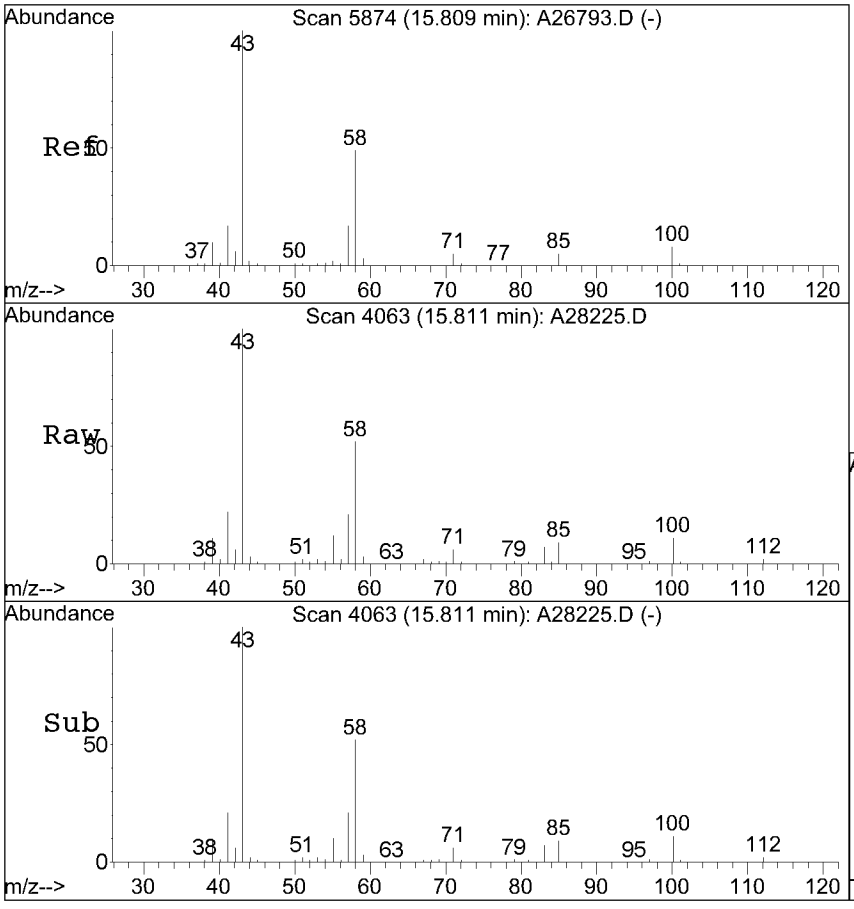


#43
TOLUENE
Concen: 2.33 PPBv
RT: 15.50 min Scan# 3945
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 91 Resp: 1585493

Ion	Ratio	Lower	Upper
91	100		
92	58.4	48.1	72.1

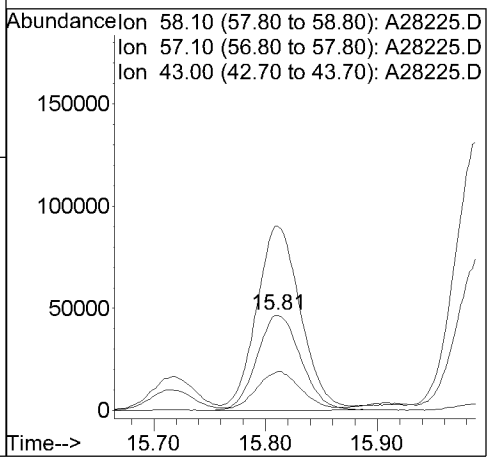


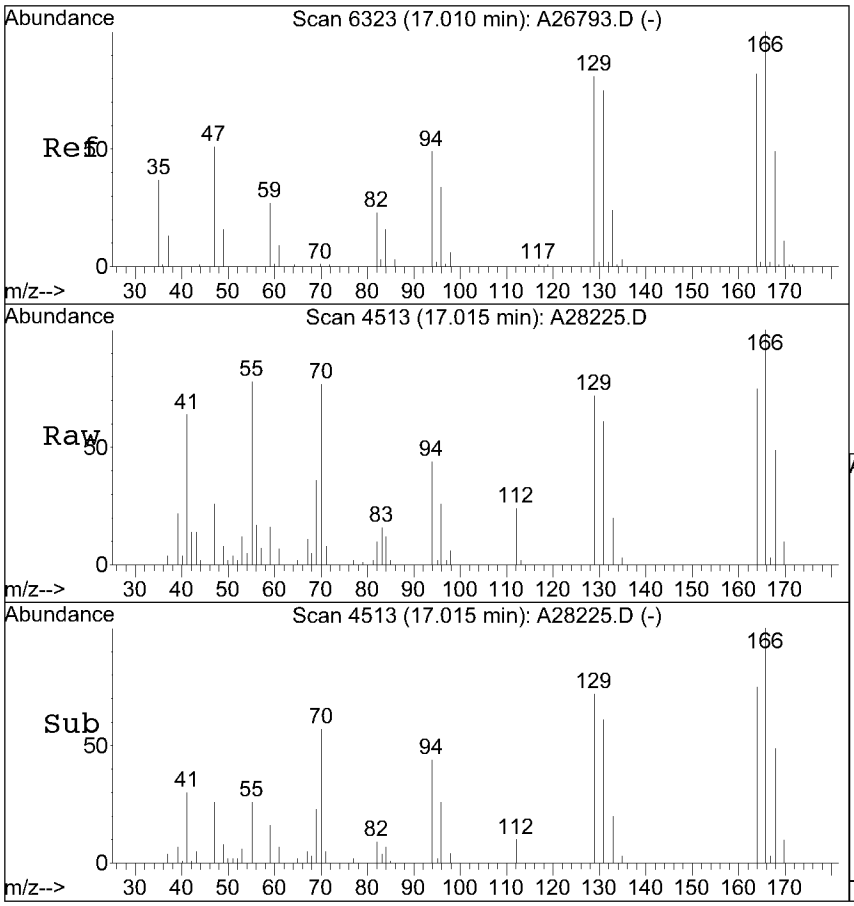


#44
2-HEXANONE(MBK)
Concen: 5.59 PPBv
RT: 15.81 min Scan# 4063
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 58 Resp: 1276777

Ion	Ratio	Lower	Upper
58	100		
57	35.7	31.0	46.4
43	183.1	151.5	227.3

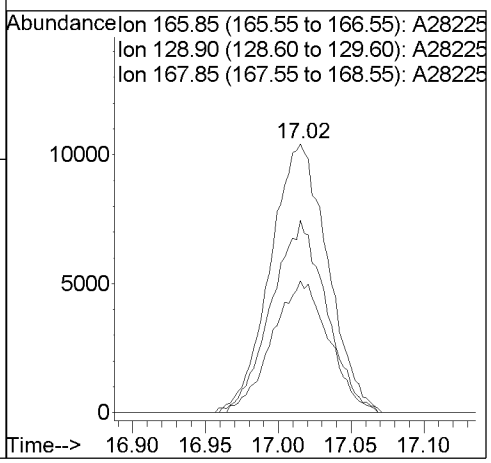


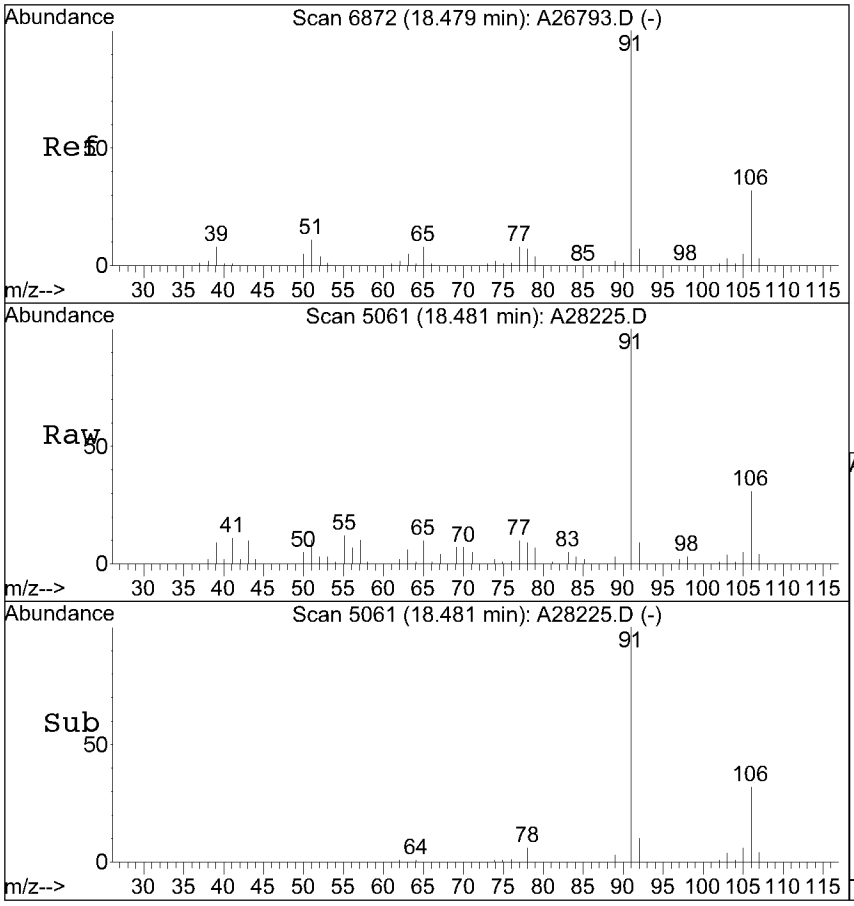


#47
TETRACHLOROETHENE
Concen: 0.85 PPBv
RT: 17.02 min Scan# 4513
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion:166 Resp: 285880

Ion	Ratio	Lower	Upper
166	100		
129	68.6	56.6	84.8
168	48.4	38.0	57.0

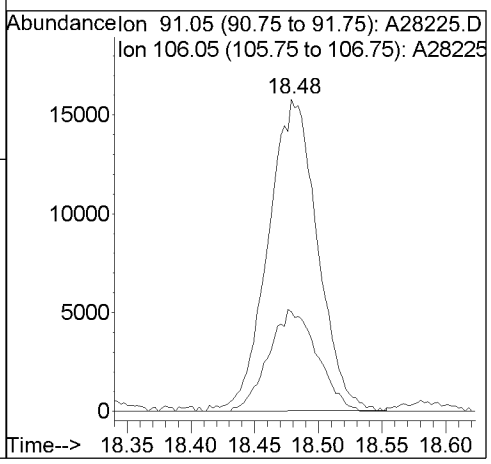


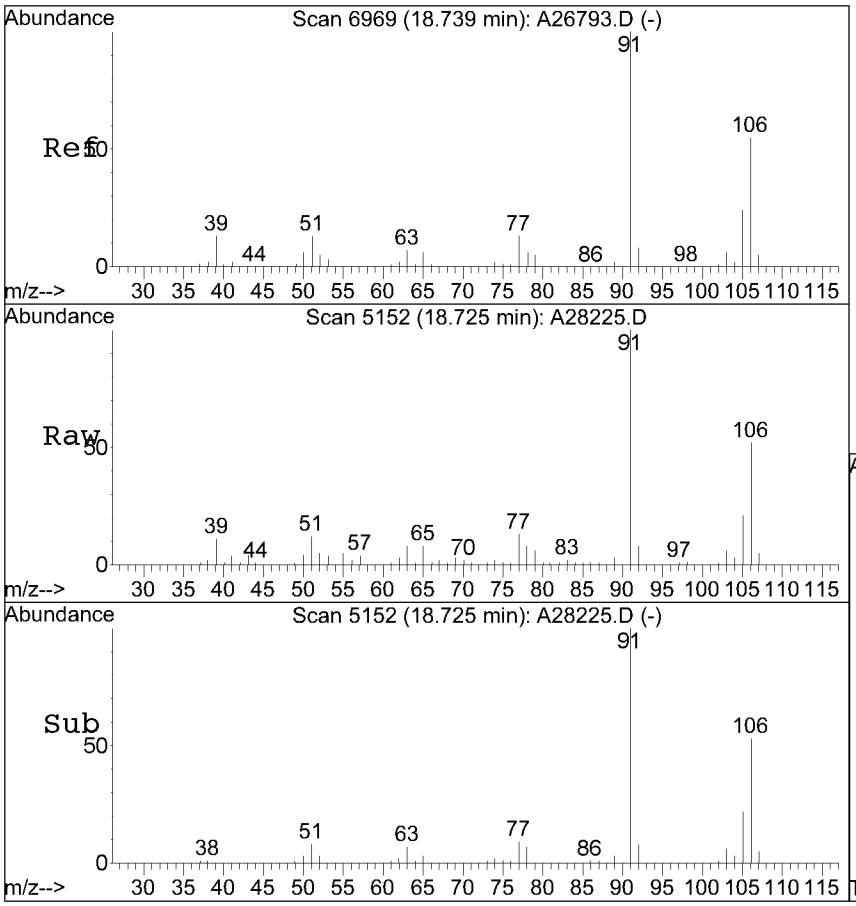


#51
ETHYLBENZENE
Concen: 0.46 PPBv
RT: 18.48 min Scan# 5061
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion: 91 Resp: 425529

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.8	38.8

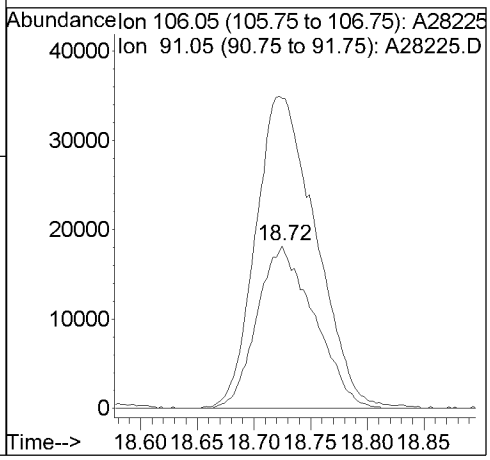


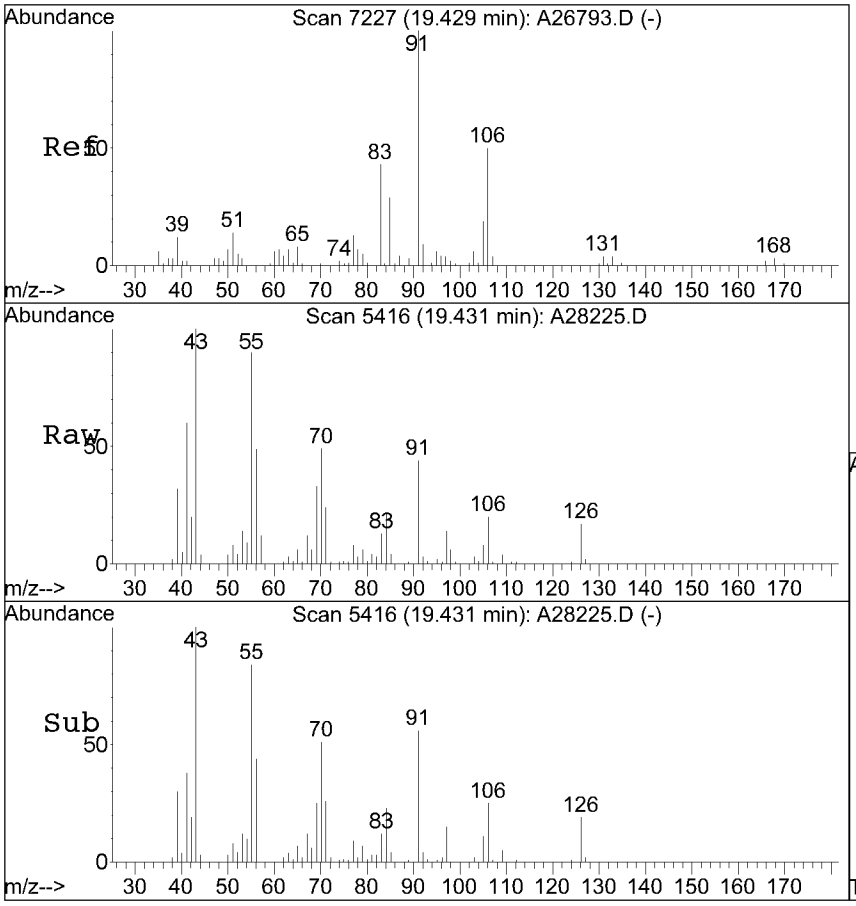


#52
M/P-XYLENE
Concen: 1.77 PPBv
RT: 18.72 min Scan# 5152
Delta R.T. -0.02 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion:106 Resp: 638111

Ion	Ratio	Lower	Upper
106	100		
91	202.5	155.7	233.5

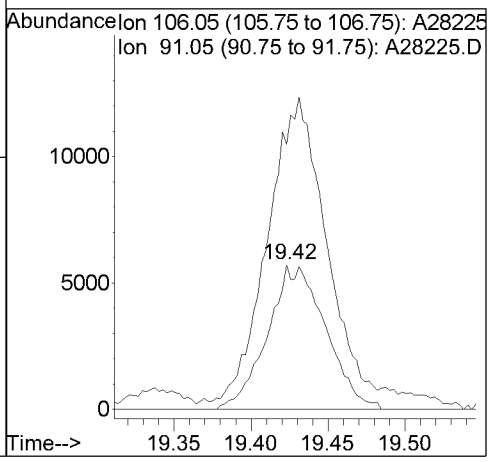




#55
O-XYLENE
Concen: 0.44 PPBv
RT: 19.43 min Scan# 5416
Delta R.T. -0.00 min
Lab File: A28225.D
Acq: 29 Apr 2008 8:39 pm

Tgt Ion:106 Resp: 149394

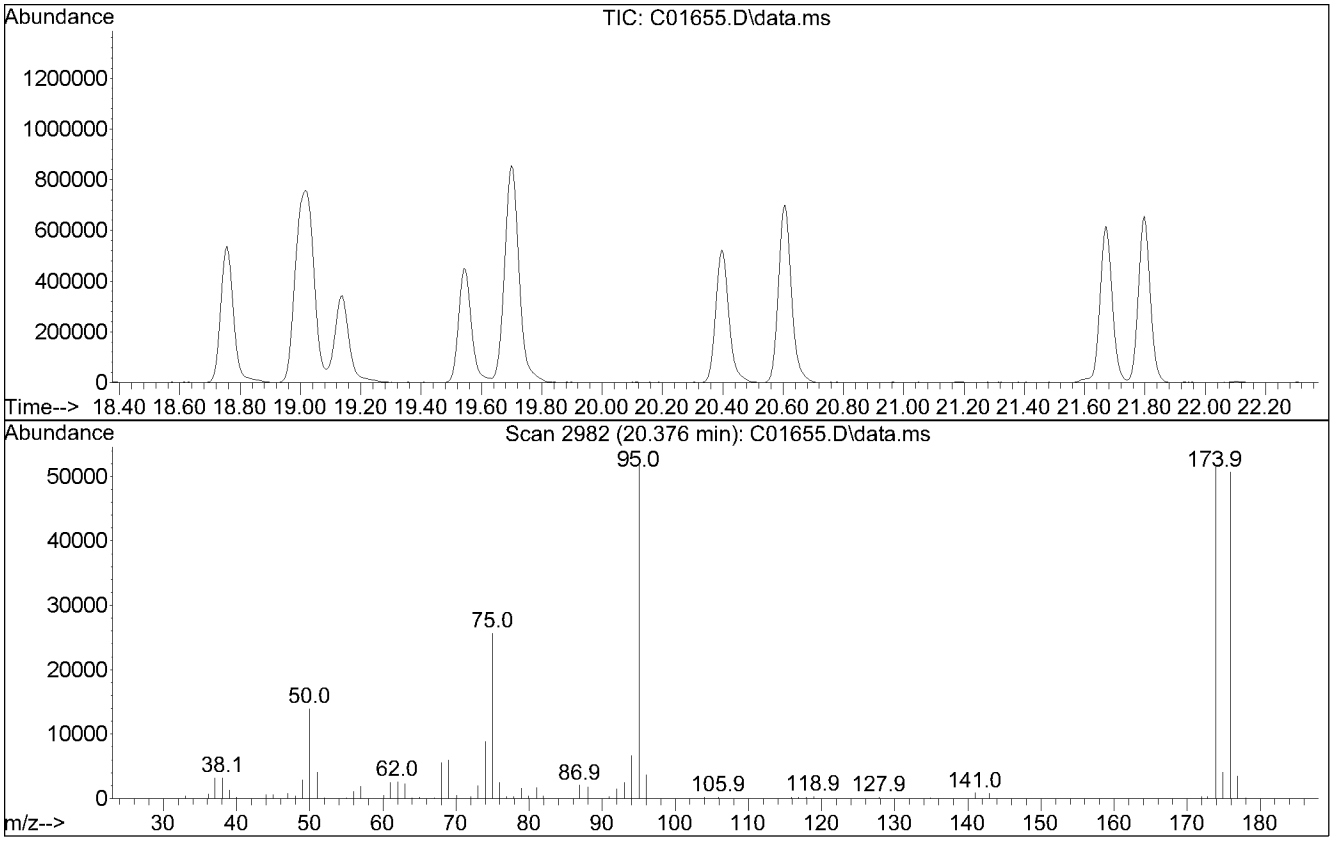
Ion	Ratio	Lower	Upper
106	100		
91	231.8	169.3	253.9



Data Path : G:\May2008\Air4\050208\
Data File : C01655.D
Acq On : 2 May 2008 8:09 am
Operator : krl
Sample : 10ppbv to-15ccc
Misc : 1
ALS Vial : 4 Sample Multiplier: 1

Integration File: EVENTS.E

Method : G:\AirMethods\2008\T4050108L.M
Title :
Last Update : Fri May 02 09:28:56 2008



Spectrum Information: Scan 2982

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.9	13992	PASS
75	95	30	60	49.3	25680	PASS
95	95	100	100	100.0	52048	PASS
96	95	5	9	7.1	3686	PASS
173	174	0.00	2	0.6	330	PASS
174	95	50	100	99.1	51592	PASS
175	174	5	9	8.0	4131	PASS
176	174	95	101	98.2	50672	PASS
177	176	5	9	6.9	3475	PASS

Evaluate Continuing Calibration Report

Data Path : G:\May2008\Air4\050208\
Data File : C01655.D
Acq On : 2 May 2008 8:09 am
Operator : krl
Sample : 10ppbv to-15ccc
Misc : 1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 02 09:27:32 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:27:19 2008
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	10.000	10.000	0.0	131	0.00
2		PROPENE	2.000	2.030	-1.5	137	0.00
3		DICHLORODIFLUOROMETHANE	2.000	2.305	-15.3	162	0.00
4		CHLOROMETHANE	2.000	2.169	-8.5	160	0.00
5		FREON 114	2.000	2.123	-6.2	156	0.00
6		VINYL CHLORIDE	2.000	2.404	-20.2	167	0.00
7		1,3-BUTADIENE	2.000	2.517	-25.8	172	0.00
8		BROMOMETHANE	2.000	2.375	-18.8	167	0.00
9		CHLOROETHANE	2.000	2.485	-24.2	171	0.00
10		ACETONE	2.000	1.827	8.7	142	0.00
11		TRICHLOROFLUOROMETHANE	2.000	2.010	-0.5	165	0.00
12		ETHANOL	2.000	1.463	26.8	109	-0.01
13		ACRYLONITRILE	2.000	2.036	-1.8	140	0.00
14		1,1-DICHLOROETHENE	2.000	1.953	2.3	142	0.00
15		METHYLENE CHLORIDE	2.000	1.980	1.0	143	0.00
16		FREON 113	2.000	1.803	9.9	131	0.00
17		CARBON DISULFIDE	2.000	2.065	-3.2	139	0.00
18		TRANS-1,2-DICHLOROETHENE	2.000	1.988	0.6	134	0.00
19		1,1-DICHLOROETHANE	2.000	1.906	4.7	132	0.00
20		MTBE	2.000	2.464	-23.2	153	-0.01
21		IPA	2.000	1.869	6.6	132	-0.02
22		2-BUTANONE(MEK)	2.000	2.379	-18.9	140	-0.01
23		CIS-1,2-DICHLOROETHENE	2.000	2.144	-7.2	138	0.00
24		HEXANE	2.000	2.297	-14.9	146	0.00
25		ETHYL ACETATE	2.000	2.152	-7.6	141	0.00
26		CHLOROFORM	2.000	2.005	-0.2	142	0.00
27		TETRAHYDROFURAN	2.000	2.205	-10.3	128	-0.01
28		1,2-DICHLOROETHANE	2.000	2.110	-5.5	144	0.00
29		1,1,1-TRICHLOROETHANE	2.000	2.039	-2.0	142	0.00
30		BENZENE	2.000	2.107	-5.4	138	0.00
31		CARBON TETRACHLORIDE	2.000	2.124	-6.2	146	0.00
32		CYCLOHEXANE	2.000	1.987	0.6	114	0.00
33	I	1,4-DIFLUOROBENZENE	10.000	10.000	0.0	129	0.00
34		1,2-DICHLOROPROPANE	2.000	2.121	-6.0	142	0.00
35		BROMODICHLOROMETHANE	2.000	2.115	-5.8	144	0.00
36		TRICHLOROETHENE	2.000	2.274	-13.7	139	0.00
37		1,4-DIOXANE	2.000	2.112	-5.6	160	-0.03
38		HEPTANE	2.000	2.245	-12.3	143	0.00

Evaluate Continuing Calibration Report

Data Path : G:\May2008\Air4\050208\
Data File : C01655.D
Acq On : 2 May 2008 8:09 am
Operator : krl
Sample : 10ppbv to-15ccc
Misc : 1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 02 09:27:32 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:27:19 2008
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
39		MIBK	2.000	2.295	-14.7	144	-0.02
40		CIS-1,3DICHLOROPROPENE	2.000	2.361	-18.1	141	0.00
41		TRANS-1,3-DICHLOROPROPENE	2.000	2.283	-14.1	136	0.00
42		1,1,2-TRICHLOROETHANE	2.000	1.907	4.6	133	0.00
43		TOLUENE	2.000	2.295	-14.7	140	0.00
44		2-HEXANONE(MBK)	2.000	2.320	-16.0	139	-0.02
45		DIBROMOCHLOROMETHANE	2.000	2.134	-6.7	141	0.00
46		1,2-DIBROMOETHANE	2.000	2.045	-2.2	137	0.00
47		TETRACHLOROETHENE	2.000	2.487	-24.4	156	0.00
48	I	CHLOROBENZENE-D5	10.000	10.000	0.0	130	0.00
49		1,1,1,2-TETRACHLOROETHANE	2.000	1.995	0.2	137	0.00
50		CHLOROBENZENE	2.000	2.015	-0.8	137	0.00
51		ETHYLBENZENE	2.000	2.374	-18.7	139	0.00
52		M/P-XYLENE	4.000	4.615	-15.4	142	0.00
53		BROMOFORM	2.000	2.270	-13.5	147	0.00
54		STYRENE	2.000	2.524	-26.2	141	0.00
55		0-XYLENE	2.000	2.252	-12.6	139	0.00
56		1,1,2,2-TETRACHLOROETHANE	2.000	1.804	9.8	125	0.00
57	SS	4-BROMOFLUOROBENZENE	10.000	10.045	-0.4	128	0.00
58		ISOPROPYLBENZENE	2.000	2.478	-23.9	154	0.00
59		1,3,5-TRIMETHYLBENZENE	2.000	2.126	-6.3	123	0.00
60		4-ETHYLTOLUENE	2.000	2.116	-5.8	131	0.00
61		1,2,4-TRIMETHYLBENZENE	2.000	2.219	-10.9	128	0.00
62		1,3-DICHLOROBENZENE	2.000	1.894	5.3	127	0.00
63		BENZYL CHLORIDE	2.000	2.592	-29.6	155	0.00
64		1,4-DICHLOROBENZENE	2.000	1.907	4.6	125	0.00
65		SEC-BUTYLBENZENE	2.000	2.743	-37.1#	172	0.00
66		4-ISOPROPYLTOLUNE	2.000	3.036	-51.8#	187	0.00
67		1,2-DICHLOROBENZENE	2.000	1.846	7.7	120	0.00
68		N-BUTYLBENZENE	2.000	2.707	-35.3#	160	0.00
69		1,2,4-TRICHLOROBENZENE	2.000	1.834	8.3	110	0.00
70		HEXACHLOROBUTADIENE	2.000	1.676	16.2	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050208\C01655.D Vial: 4
Acq On : 2 May 2008 8:09 am Operator: krl
Sample : 10ppbv to-15ccc Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 09:27:32 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:27:19 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	10.386	128	903506	10.00	PPBv		0.00
33) 1,4-DIFLUOROBENZENE	12.599	114	5083441	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	18.170	82	2375040	10.00	PPBv		0.00
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.399	95	2810304	10.04	PPBv		0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 100.40%#				
Target Compounds							Qvalue
2) PROPENE	5.261	42	859953	2.03	PPBv		98
3) DICHLORODIFLUOROMETHANE	5.343	85	3898866	2.31	PPBv		100
4) CHLOROMETHANE	5.528	50	1547744	2.17	PPBv		99
5) FREON 114	5.640	85	3638849	2.12	PPBv		91
6) VINYL CHLORIDE	5.780	62	1597746	2.40	PPBv		97
7) 1,3-BUTADIENE	5.933	54	1379815	2.52	PPBv		98
8) BROMOMETHANE	6.235	94	1253939	2.38	PPBv		99
9) CHLOROETHANE	6.419	64	820483	2.48	PPBv		89
10) ACETONE	7.058	58	753397	1.83	PPBv		96
11) TRICHLOROFLUOROMETHANE	7.246	101	4958032	2.01	PPBv		99
12) ETHANOL	6.526	45	414295	1.46	PPBv	#	98
13) ACRYLONITRILE	7.531	53	1275222	2.04	PPBv		98
14) 1,1-DICHLOROETHENE	7.923	96	1241100	1.95	PPBv		99
15) METHYLENE CHLORIDE	8.039	84	1090433	1.98	PPBv		89
16) FREON 113	8.321	101	2509130	1.80	PPBv		90
17) CARBON DISULFIDE	8.399	76	3208301	2.07	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	9.055	96	1103503	1.99	PPBv		95
19) 1,1-DICHLOROETHANE	9.276	63	2260032	1.91	PPBv		99
20) MTBE	9.351	73	3190010	2.46	PPBv		94
21) IPA	7.313	45	2377709	1.87	PPBv	#	90
22) 2-BUTANONE(MEK)	9.704	57	252487	2.38	PPBv		93
23) CIS-1,2-DICHLOROETHENE	10.197	96	1209660	2.14	PPBv		96
24) HEXANE	10.426	57	2485405	2.30	PPBv		96
25) ETHYL ACETATE	10.424	61	493420	2.15	PPBv		94
26) CHLOROFORM	10.524	83	2682762	2.00	PPBv		99
27) TETRAHYDROFURAN	11.005	71	510310	2.20	PPBv		95
28) 1,2-DICHLOROETHANE	11.371	62	1851825	2.11	PPBv		99
29) 1,1,1-TRICHLOROETHANE	11.673	97	2583310	2.04	PPBv		100
30) BENZENE	12.211	78	3848976	2.11	PPBv		100
31) CARBON TETRACHLORIDE	12.391	119	2826655	2.12	PPBv		100
32) CYCLOHEXANE	12.543	56	2029361	1.99	PPBv		87
34) 1,2-DICHLOROPROPANE	13.176	63	1602772	2.12	PPBv		98
35) BROMODICHLOROMETHANE	13.409	83	2851664	2.12	PPBv		99
36) TRICHLOROETHENE	13.463	95	1750280	2.27	PPBv		86
37) 1,4-DIOXANE	13.492	88	590971	2.11	PPBv	#	92

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050208\C01655.D Vial: 4
Acq On : 2 May 2008 8:09 am Operator: krl
Sample : 10ppbv to-15ccc Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 09:27:32 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:27:19 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M

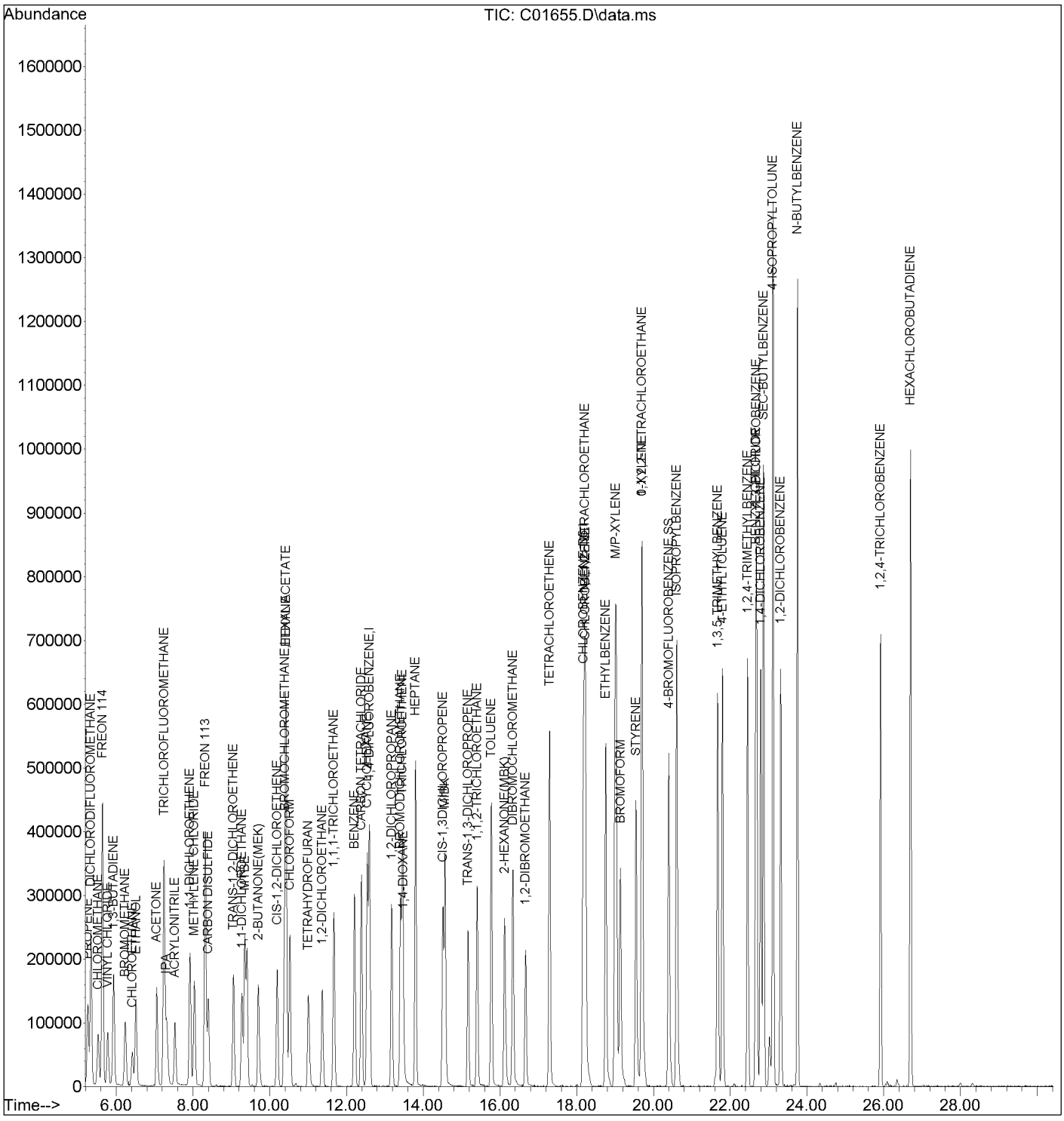
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) HEPTANE	13.800	57	1621604	2.25	PPBv		92
39) MIBK	14.567	43	4381632	2.29	PPBv		98
40) CIS-1,3DICHLOROPROPENE	14.513	75	2256688	2.36	PPBv		93
41) TRANS-1,3-DICHLOROPROPENE	15.169	75	1921074	2.28	PPBv		93
42) 1,1,2-TRICHLOROETHANE	15.406	83	1328462	1.91	PPBv		93
43) TOLUENE	15.777	91	5179205	2.29	PPBv		99
44) 2-HEXANONE(MBK)	16.122	58	1687406	2.32	PPBv		94
45) DIBROMOCHLOROMETHANE	16.337	129	2902420	2.13	PPBv		99
46) 1,2-DIBROMOETHANE	16.670	107	2414707	2.05	PPBv		100
47) TETRACHLOROETHENE	17.295	166	2996704	2.49	PPBv	#	85
49) 1,1,1,2-TETRACHLOROETHANE	18.203	135	656569	1.99	PPBv		94
50) CHLOROBENZENE	18.232	112	4247369	2.01	PPBv		90
51) ETHYLBENZENE	18.758	91	6838923	2.37	PPBv		98
52) M/P-XYLENE	19.020	106	5598337	4.61	PPBv		94
53) BROMOFORM	19.139	173	3488349	2.27	PPBv		99
54) STYRENE	19.547	104	3919720	2.52	PPBv		95
55) 0-XYLENE	19.709	106	2608688	2.25	PPBv		97
56) 1,1,2,2-TETRACHLOROETHANE	19.693	83	3530945	1.80	PPBv		99
58) ISOPROPYLBENZENE	20.608	105	8505410	2.48	PPBv		98
59) 1,3,5-TRIMETHYLBENZENE	21.673	105	6929841	2.13	PPBv		99
60) 4-ETHYLTOLUENE	21.799	105	6001342	2.12	PPBv		98
61) 1,2,4-TRIMETHYLBENZENE	22.454	105	5951880	2.22	PPBv		98
62) 1,3-DICHLOROBENZENE	22.691	146	4593459	1.89	PPBv		95
63) BENZYL CHLORIDE	22.663	91	5305029	2.59	PPBv		95
64) 1,4-DICHLOROBENZENE	22.796	146	4503476	1.91	PPBv		95
65) SEC-BUTYLBENZENE	22.870	105	10203245	2.74	PPBv		97
66) 4-ISOPROPYLTOLUNE	23.116	119	11456997	3.04	PPBv		96
67) 1,2-DICHLOROBENZENE	23.318	146	4254249	1.85	PPBv		95
68) N-BUTYLBENZENE	23.755	91	9606759	2.71	PPBv		98
69) 1,2,4-TRICHLOROBENZENE	25.919	180	3747367	1.83	PPBv	#	96
70) HEXACHLOROBUTADIENE	26.700	225	3731203	1.68	PPBv		100

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

Quantitation Report (QT Reviewed)

Data File : G:\May2008\Air4\050208\C01655.D Vial: 4
Acq On : 2 May 2008 8:09 am Operator: krl
Sample : 10ppbv to-15ccc Inst : Air4
Misc : 1 Multiplr: 1.00
Quant Time: May 02 09:27:32 2008
Quant Results File: T4050108L.RES

Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:27:19 2008
Response via : Initial Calibration
DataAcq Meth:HP415122207.M



Quantitation Report (QT Reviewed)

Data Path : G:\May2008\Air4\050208\
Data File : C01656.D
Acq On : 2 May 2008 9:47 am
Operator : krl
Sample : 10ppbv to-15qc
Misc : 1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 10:29:33 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:28:56 2008
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	10.386	128	888822	10.00	PPBv		0.00
33) 1,4-DIFLUOROBENZENE	12.599	114	4972289	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	18.169	82	2311099	10.00	PPBv		0.00
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.398	95	2801107	10.29	PPBv		0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 102.90%#				
Target Compounds							Qvalue
2) PROPENE	5.260	42	781664	1.88	PPBv		97
3) DICHLORODIFLUOROMETHANE	5.341	85	3726653	2.24	PPBv		99
4) CHLOROMETHANE	5.530	50	1361143	1.94	PPBv		99
5) FREON 114	5.640	85	3071754	1.82	PPBv		91
6) VINYL CHLORIDE	5.780	62	1436957	2.20	PPBv		96
7) 1,3-BUTADIENE	5.932	54	1221705	2.27	PPBv		98
8) BROMOMETHANE	6.235	94	1212799	2.34	PPBv		100
9) CHLOROETHANE	6.419	64	710434	2.19	PPBv		89
10) ACETONE	7.058	58	616833	1.52	PPBv		85
11) TRICHLOROFLUOROMETHANE	7.242	101	4806620	1.98	PPBv		100
12) ETHANOL	6.525	45	465139	1.67	PPBv	#	98
13) ACRYLONITRILE	7.529	53	874476	1.42	PPBv		99
14) 1,1-DICHLOROETHENE	7.918	96	980736	1.57	PPBv		99
15) METHYLENE CHLORIDE	8.036	84	916192	1.69	PPBv		89
16) FREON 113	8.316	101	2026356	1.48	PPBv		90
17) CARBON DISULFIDE	8.395	76	2717413	1.78	PPBv		100
18) TRANS-1,2-DICHLOROETHENE	9.053	96	871028	1.59	PPBv		96
19) 1,1-DICHLOROETHANE	9.274	63	1825081	1.56	PPBv		99
20) MTBE	9.353	73	2832448	2.22	PPBv		94
21) IPA	7.316	45	1795694	1.44	PPBv	#	94
22) 2-BUTANONE(MEK)	9.705	57	213198	2.04	PPBv		93
23) CIS-1,2-DICHLOROETHENE	10.195	96	990103	1.78	PPBv		97
24) HEXANE	10.423	57	2196830	2.06	PPBv		93
25) ETHYL ACETATE	10.429	61	429017	1.90	PPBv		94
26) CHLOROFORM	10.524	83	2251070	1.71	PPBv		100
27) TETRAHYDROFURAN	11.010	71	440452	1.93	PPBv		95
28) 1,2-DICHLOROETHANE	11.370	62	1527848	1.77	PPBv		98
29) 1,1,1-TRICHLOROETHANE	11.672	97	2115505	1.70	PPBv		100
30) BENZENE	12.210	78	3388452	1.89	PPBv		100
31) CARBON TETRACHLORIDE	12.389	119	2362396	1.80	PPBv		99
32) CYCLOHEXANE	12.542	56	1787469	1.78	PPBv		85
34) 1,2-DICHLOROPROPANE	13.178	63	1344322	1.82	PPBv		98
35) BROMODICHLOROMETHANE	13.409	83	2394165	1.82	PPBv		99

Quantitation Report (QT Reviewed)

Data Path : G:\May2008\Air4\050208\
Data File : C01656.D
Acq On : 2 May 2008 9:47 am
Operator : krl
Sample : 10ppbv to-15qc
Misc : 1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 10:29:33 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:28:56 2008
Response via : Initial Calibration

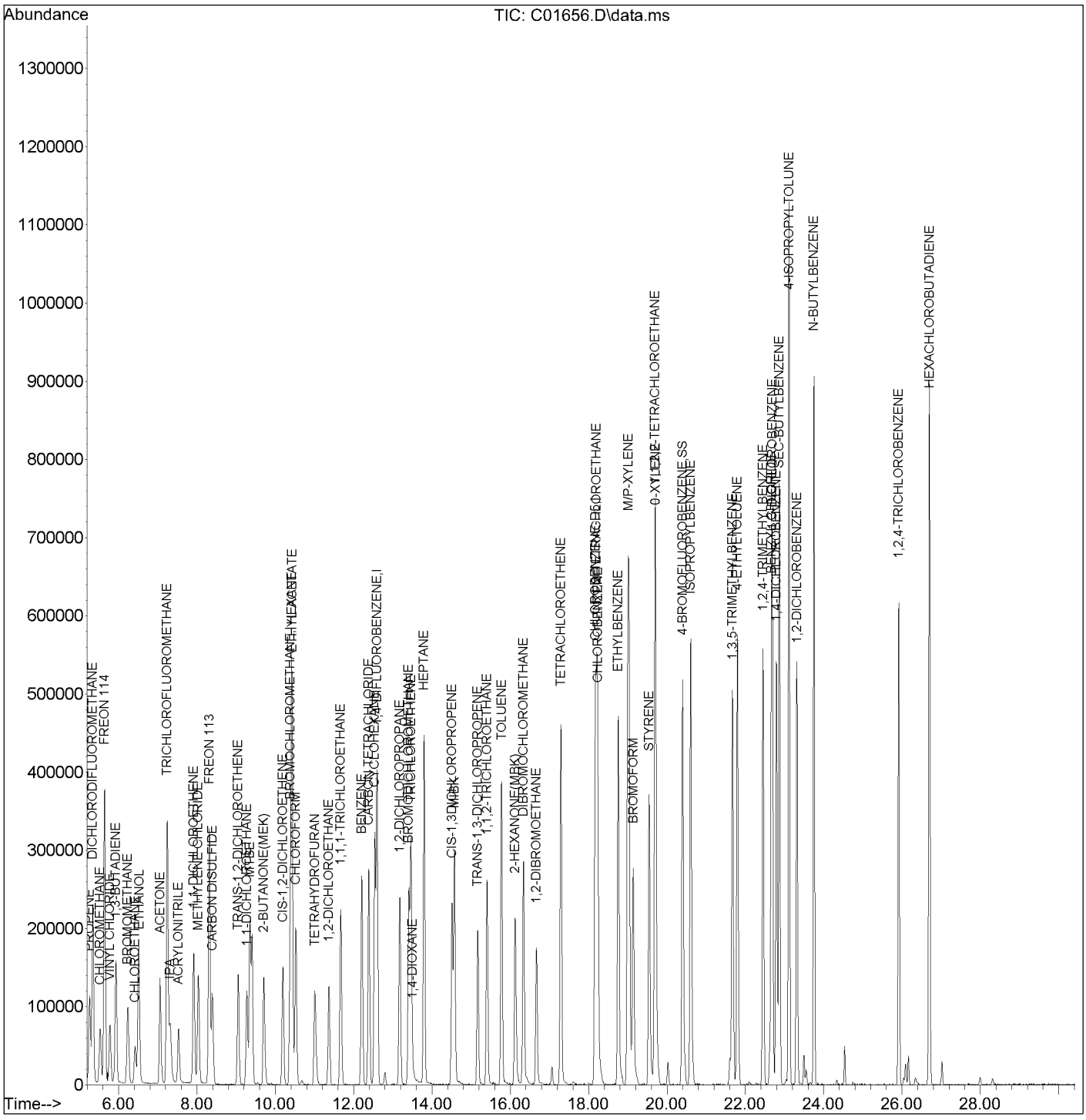
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) TRICHLOROETHENE	13.462	95	1453966	1.93	PPBv		85
37) 1,4-DIOXANE	13.505	88	381263	1.39	PPBv	#	74
38) HEPTANE	13.800	57	1424070	2.02	PPBv		91
39) MIBK	14.572	43	3655819	1.96	PPBv		98
40) CIS-1,3DICHLOROPROPENE	14.513	75	1853704	1.98	PPBv		94
41) TRANS-1,3-DICHLOROPROPENE	15.170	75	1549322	1.88	PPBv		93
42) 1,1,2-TRICHLOROETHANE	15.407	83	1121285	1.65	PPBv		95
43) TOLUENE	15.776	91	4472403	2.03	PPBv		100
44) 2-HEXANONE(MBK)	16.125	58	1343523	1.89	PPBv		93
45) DIBROMOCHLOROMETHANE	16.338	129	2386998	1.79	PPBv		100
46) 1,2-DIBROMOETHANE	16.669	107	1986378	1.72	PPBv		100
47) TETRACHLOROETHENE	17.295	166	2433045	2.06	PPBv	#	86
49) 1,1,1,2-TETRACHLOROETHANE	18.203	135	473319	1.48	PPBv		96
50) CHLOROBENZENE	18.231	112	3507054	1.71	PPBv		91
51) ETHYLBENZENE	18.757	91	5923704	2.11	PPBv		97
52) M/P-XYLENE	19.019	106	4929549	4.18	PPBv		94
53) BROMOFORM	19.139	173	2815484	1.88	PPBv		99
54) STYRENE	19.546	104	3307368	2.19	PPBv		95
55) 0-XYLENE	19.709	106	2316812	2.06	PPBv		97
56) 1,1,2,2-TETRACHLOROETHANE	19.694	83	2976722	1.56	PPBv		99
58) ISOPROPYLBENZENE	20.607	105	6872621	2.06	PPBv		99
59) 1,3,5-TRIMETHYLBENZENE	21.673	105	5884785	1.86	PPBv		97
60) 4-ETHYLTOLUENE	21.799	105	5301717	1.92	PPBv		98
61) 1,2,4-TRIMETHYLBENZENE	22.454	105	4942499	1.89	PPBv		98
62) 1,3-DICHLOROBENZENE	22.691	146	3816114	1.62	PPBv		95
63) BENZYL CHLORIDE	22.663	91	4472622	2.25	PPBv		95
64) 1,4-DICHLOROBENZENE	22.796	146	3721385	1.62	PPBv		94
65) SEC-BUTYLBENZENE	22.870	105	7989799	2.21	PPBv		97
66) 4-ISOPROPYLTOLUNE	23.117	119	9194146	2.50	PPBv		96
67) 1,2-DICHLOROBENZENE	23.318	146	3499767	1.56	PPBv		95
68) N-BUTYLBENZENE	23.754	91	6924170	2.00	PPBv		98
69) 1,2,4-TRICHLOROBENZENE	25.919	180	3224462	1.62	PPBv	#	96
70) HEXACHLOROBUTADIENE	26.700	225	3290687	1.52	PPBv		100

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

Quantitation Report (QT Reviewed)

Data Path : G:\May2008\Air4\050208\
Data File : C01656.D
Acq On : 2 May 2008 9:47 am
Operator : krl
Sample : 10ppbv to-15qc
Misc : 1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 10:29:33 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:28:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : G:\May2008\Air4\050208\
Data File : C01659.D
Acq On : 2 May 2008 2:18 pm
Operator : krl
Sample : mb
Misc : 1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 15:01:12 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:28:56 2008
Response via : Initial Calibration

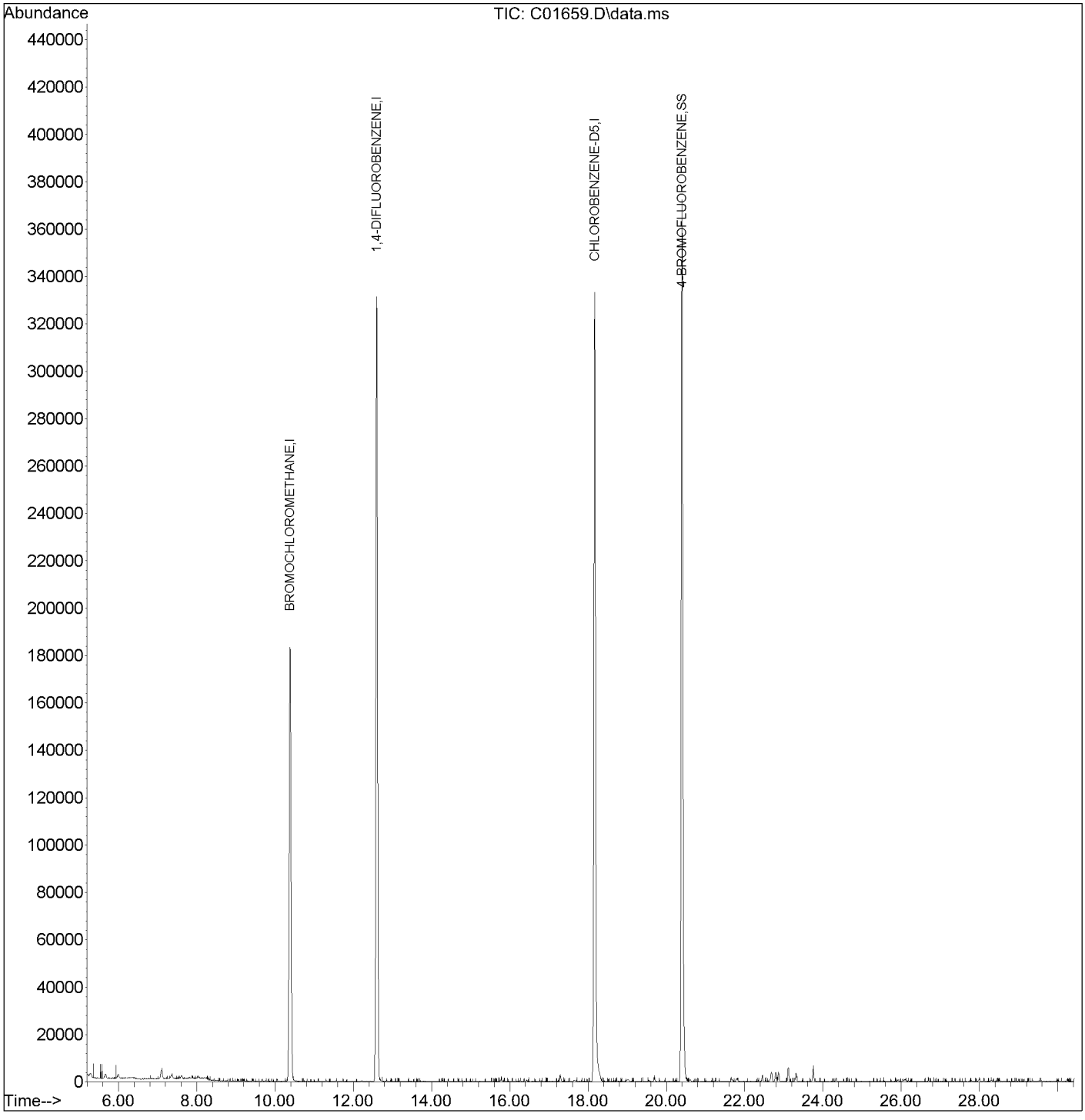
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	10.386	128	742193	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.599	114	4037718	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	18.169	82	1754654	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.398	95	2010523	9.73	PPBv	0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 97.30%#			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : G:\May2008\Air4\050208\
Data File : C01659.D
Acq On : 2 May 2008 2:18 pm
Operator : krl
Sample : mb
Misc : 1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 15:01:12 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:28:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : G:\May2008\Air4\050208\
Data File : C01660.D
Acq On : 2 May 2008 3:44 pm
Operator : krl
Sample : sa77688-06 @ 130173-aa 1x (1000) to-15sim
Misc : 1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 05 09:30:12 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:28:56 2008
Response via : Initial Calibration

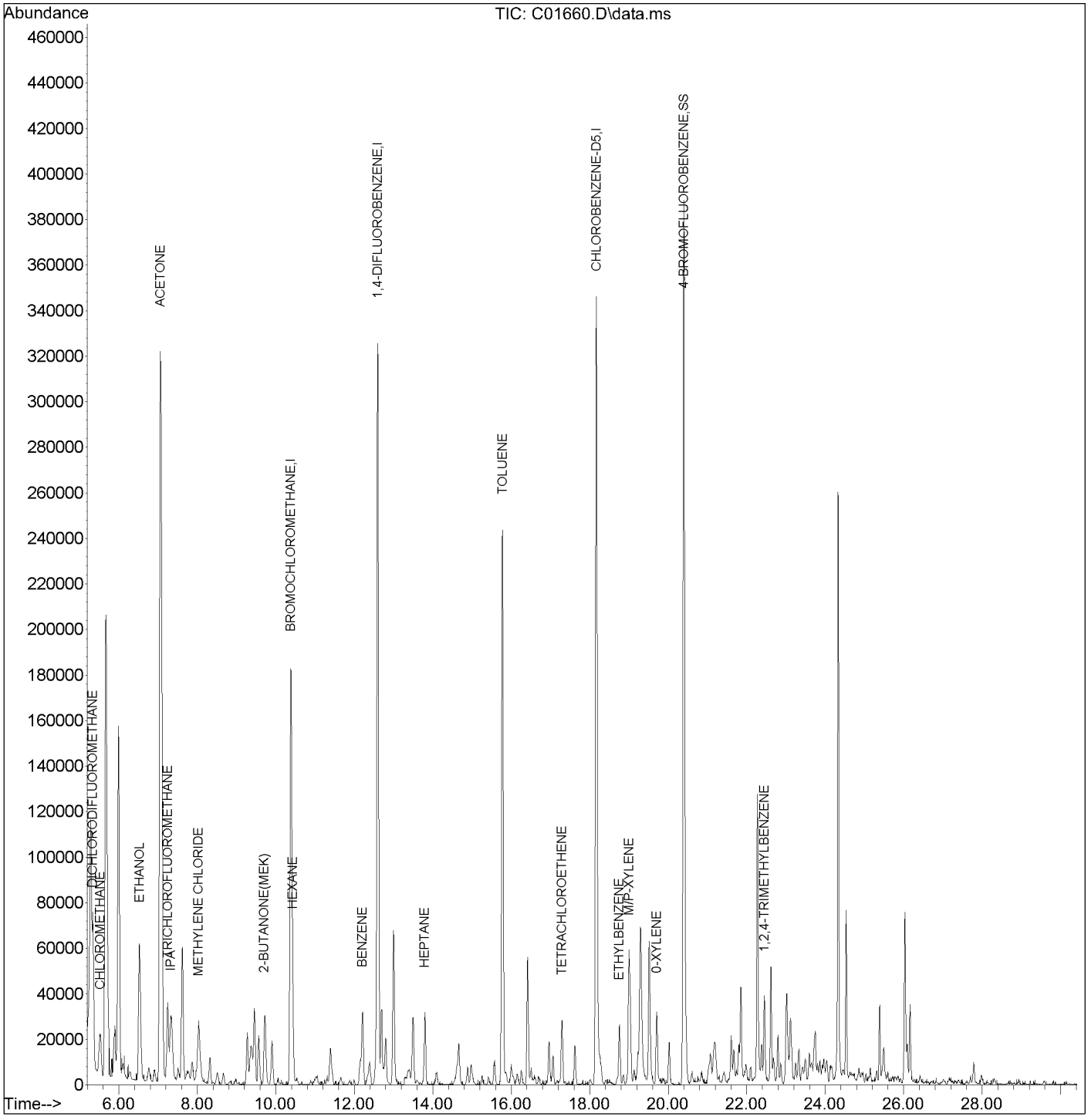
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	10.386	128	716209	10.00	PPBv		0.00
33) 1,4-DIFLUOROBENZENE	12.599	114	4003838	10.00	PPBv		0.00
48) CHLOROBENZENE-D5	18.168	82	1854960	10.00	PPBv		0.00
System Monitoring Compounds							
57) 4-BROMOFLUOROBENZENE	20.397	95	2126810	9.73	PPBv		0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 97.30%#				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.341	85	925911	0.69	PPBv		99
4) CHLOROMETHANE	5.530	50	335159	0.59	PPBv		97
10) ACETONE	7.056	58	1715399	5.25	PPBv		86
11) TRICHLOROFLUOROMETHANE	7.245	101	437191	0.22	PPBv		99
12) ETHANOL	6.524	45	1214797	5.41	PPBv	#	98
15) METHYLENE CHLORIDE	8.037	84	102788	0.24	PPBv	#	78
21) IPA	7.327	45	654465	0.65	PPBv	#	95
22) 2-BUTANONE(MEK)	9.710	57	51299m	0.61	PPBv		
24) HEXANE	10.428	57	198091	0.23	PPBv	#	47
30) BENZENE	12.213	78	410286	0.28	PPBv		100
38) HEPTANE	13.799	57	87456	0.15	PPBv		90
43) TOLUENE	15.777	91	2707536	1.52	PPBv		98
47) TETRACHLOROETHENE	17.295	166	138581	0.15	PPBv	#	87
51) ETHYLBENZENE	18.758	91	305262	0.14	PPBv		100
52) M/P-XYLENE	19.004	106	346223	0.37	PPBv		93
55) 0-XYLENE	19.713	106	121992	0.13	PPBv		99
61) 1,2,4-TRIMETHYLBENZENE	22.454	105	275947	0.13	PPBv		98

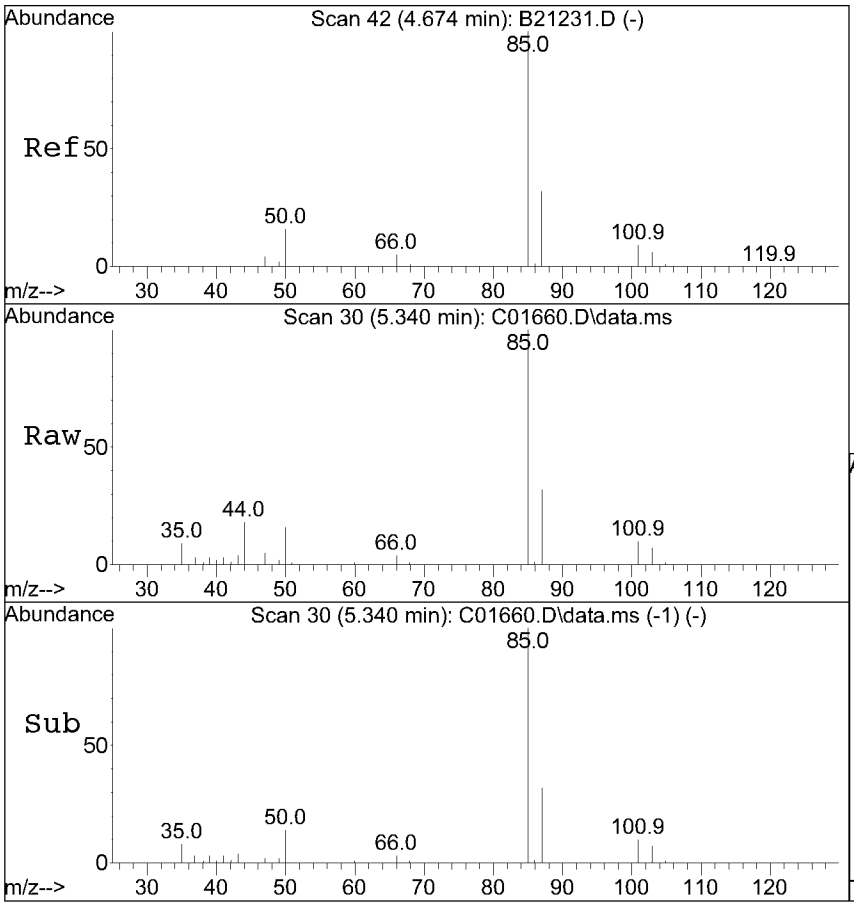
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\May2008\Air4\050208\
Data File : C01660.D
Acq On : 2 May 2008 3:44 pm
Operator : krl
Sample : sa77688-06 @ 130173-aa 1x (1000) to-15sim
Misc : 1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 05 09:30:12 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:28:56 2008
Response via : Initial Calibration

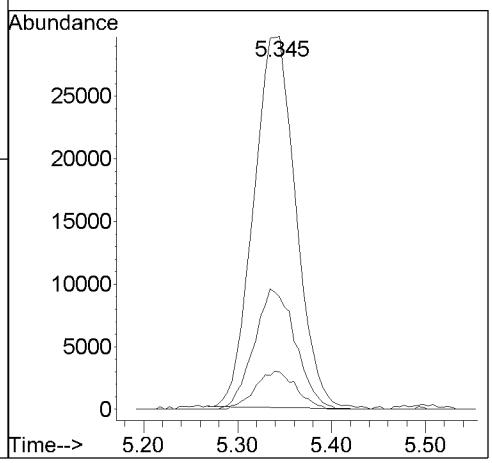


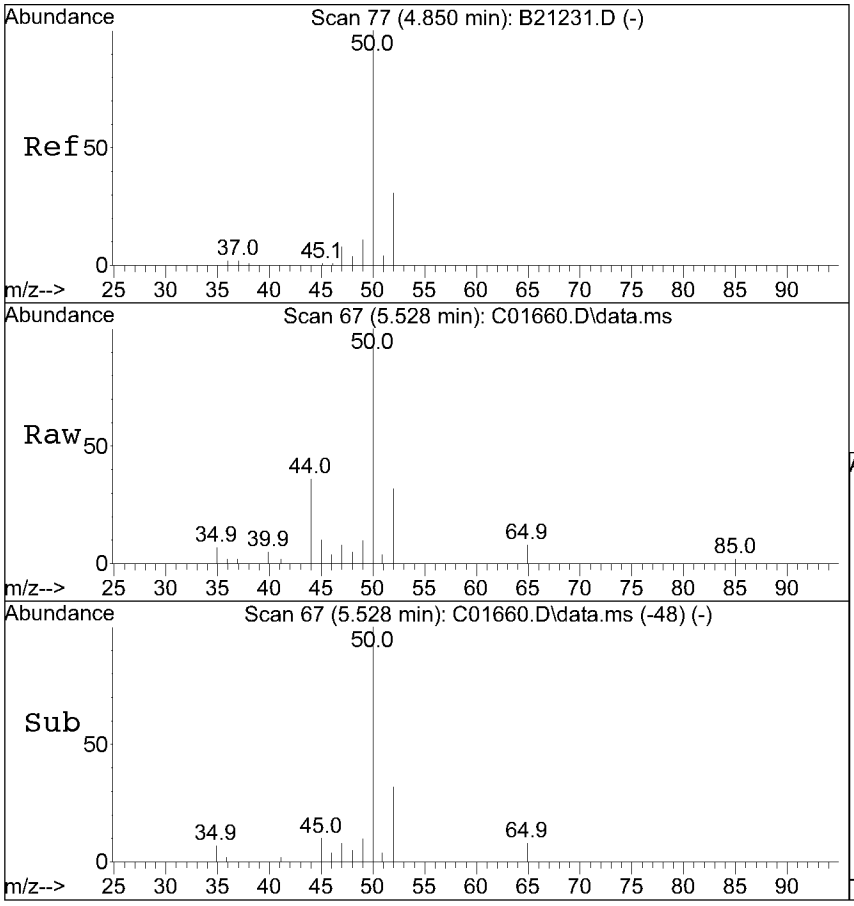


#3
DICHLORODIFLUOROMETHANE
Concen: 0.69 PPBv
RT: 5.341 min Scan# 30
Delta R.T. -0.004 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 85 Resp: 925911

Ion	Ratio	Lower	Upper
85	100		
87	31.9	25.4	38.2
101	10.0	7.2	10.8

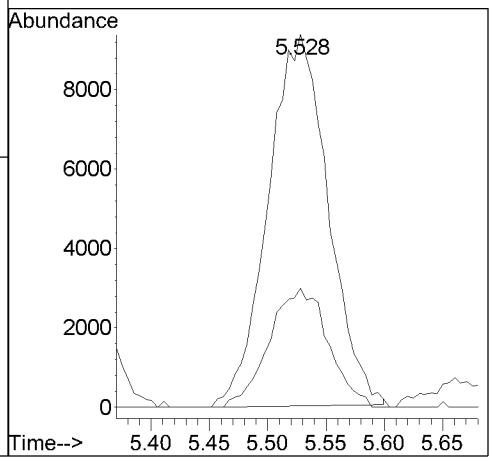


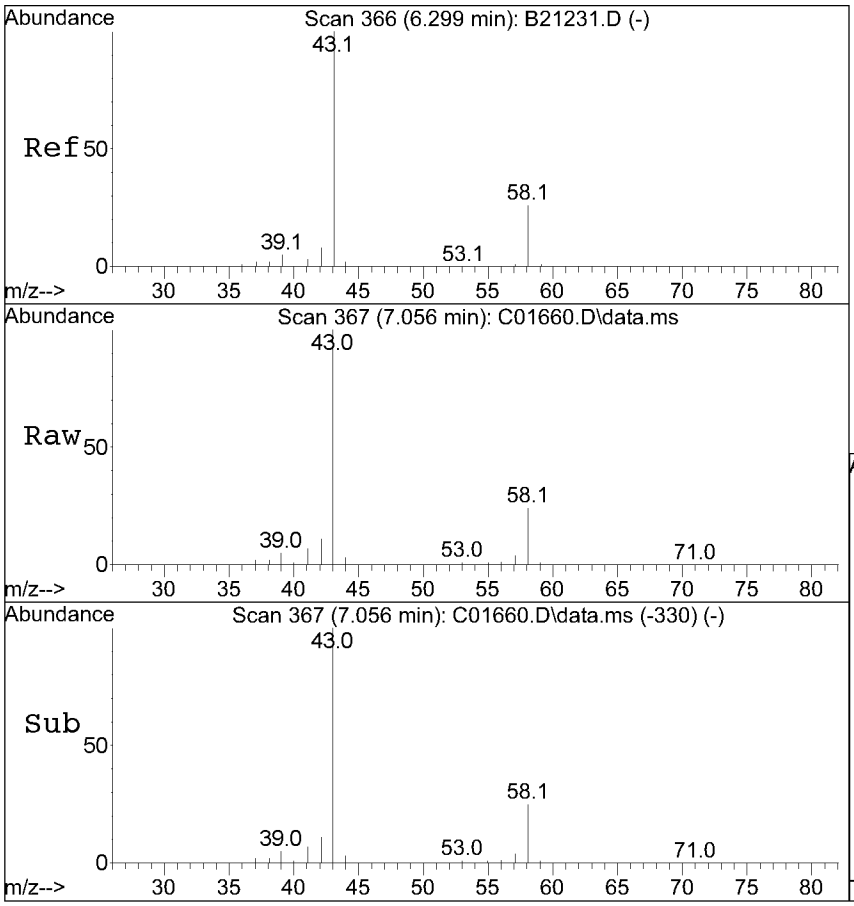


#4
CHLOROMETHANE
Concen: 0.59 PPBv
RT: 5.530 min Scan# 67
Delta R.T. -0.004 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 50 Resp: 335159

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.5	39.7

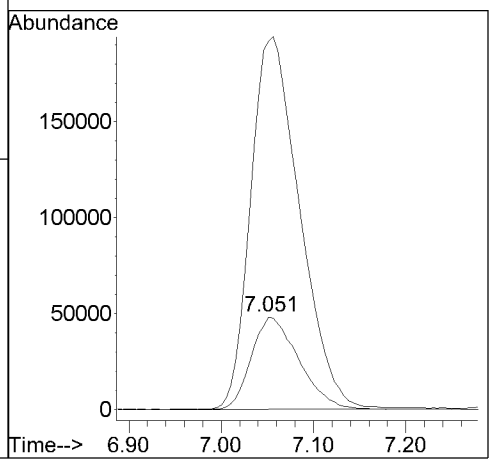


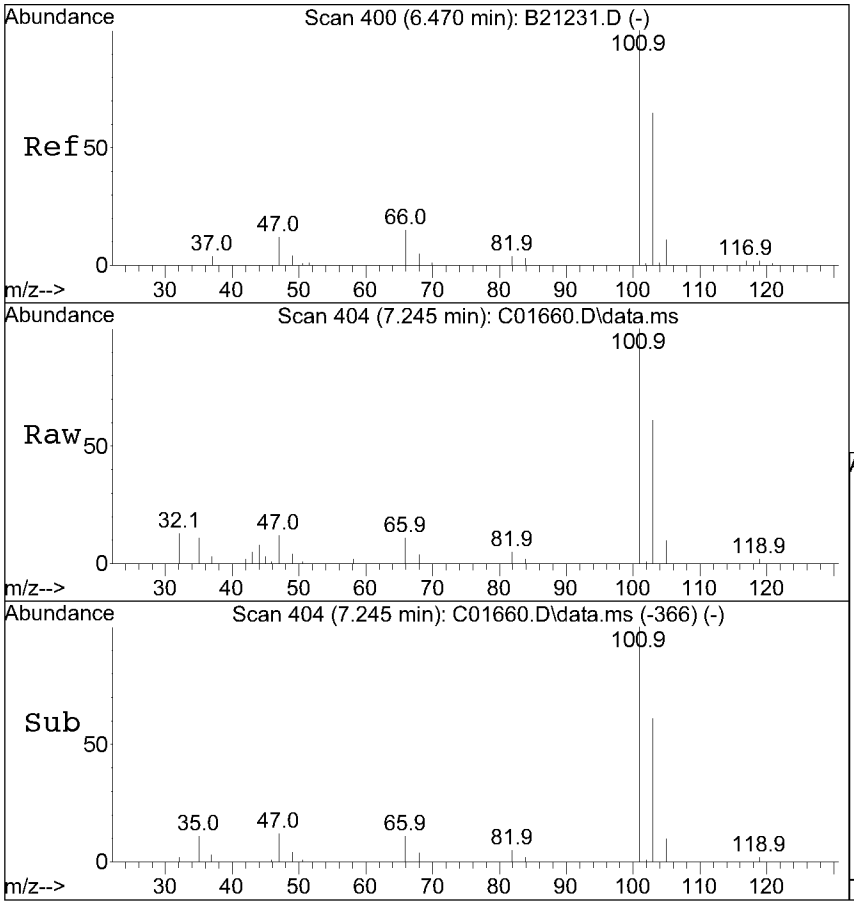


#10
ACETONE
Concen: 5.25 PPBv
RT: 7.056 min Scan# 367
Delta R.T. -0.011 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 58 Resp: 1715399

Ion	Ratio	Lower	Upper
58	100		
43	415.4	306.6	459.8

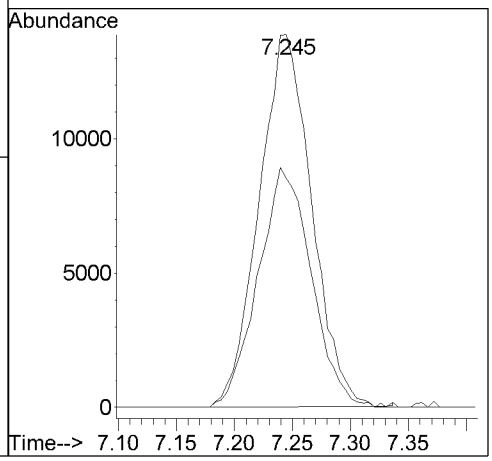


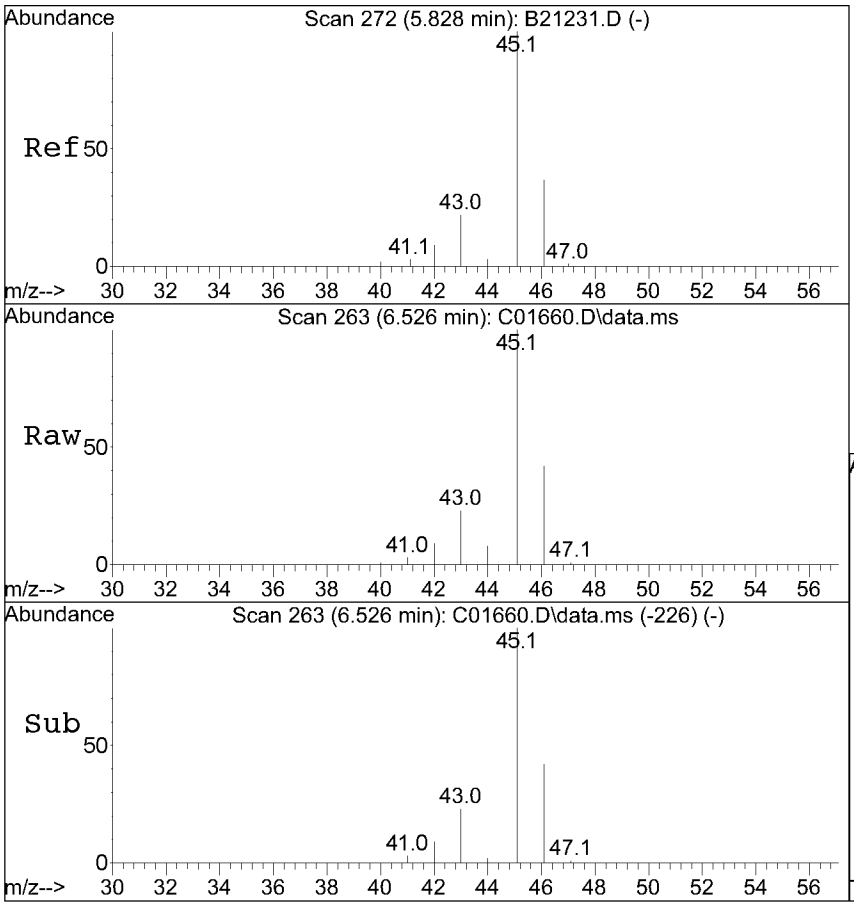


#11
TRICHLOROFLUOROMETHANE
Concen: 0.22 PPBv
RT: 7.245 min Scan# 404
Delta R.T. -0.005 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion:101 Resp: 437191

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

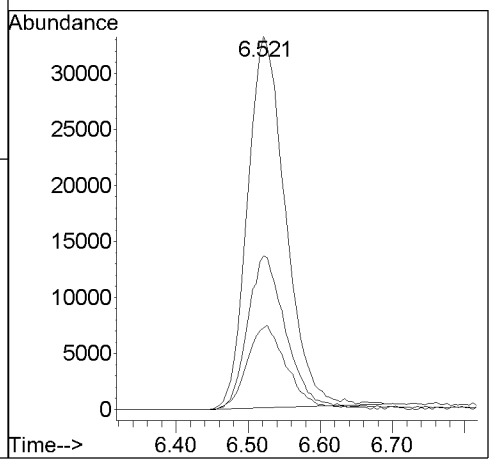


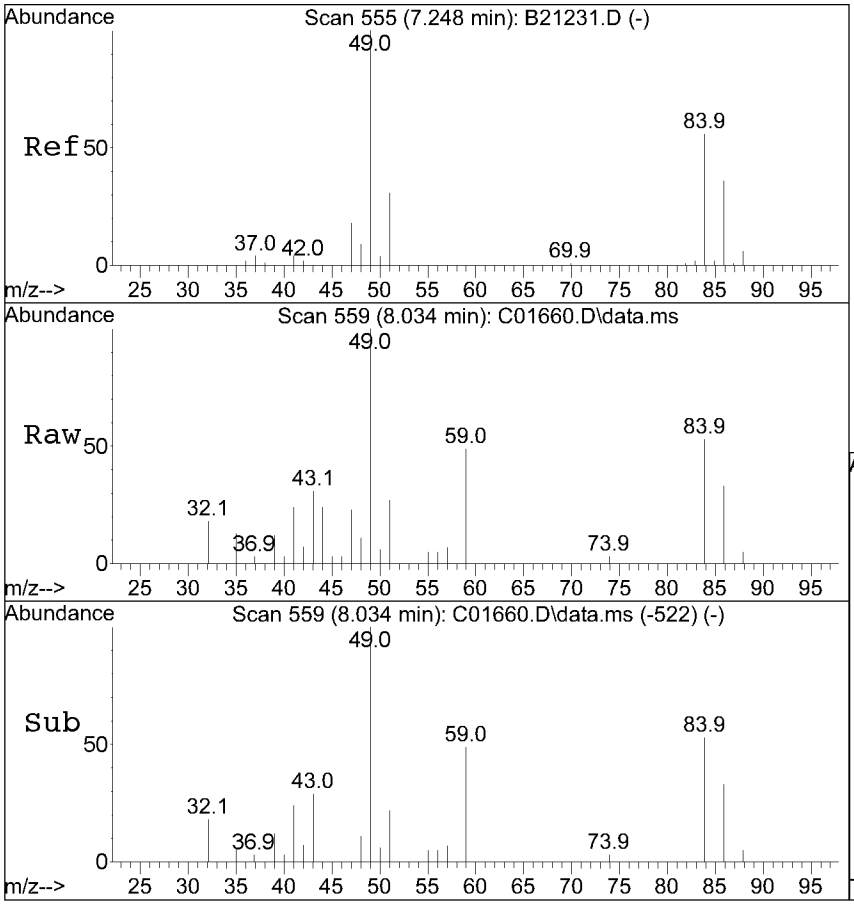


#12
ETHANOL
Concen: 5.41 PPBv
RT: 6.524 min Scan# 263
Delta R.T. -0.014 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 45 Resp: 1214797

Ion	Ratio	Lower	Upper
45	100		
46	40.6	31.4	47.0
43	23.8	25.2	25.2#

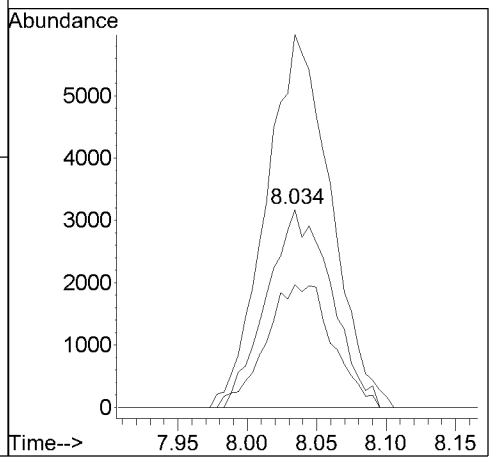


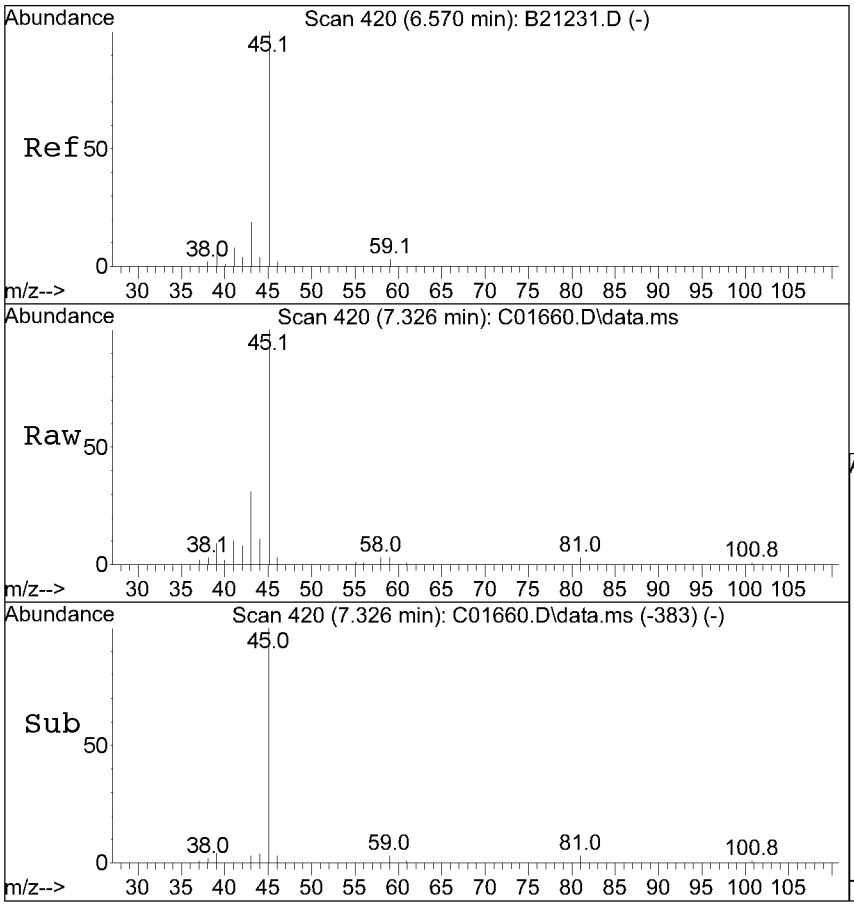


#15
METHYLENE CHLORIDE
Concen: 0.24 PPBv
RT: 8.037 min Scan# 559
Delta R.T. -0.007 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 84 Resp: 102788

Ion	Ratio	Lower	Upper
84	100		
49	188.6	119.0	178.4#
86	63.4	51.2	76.8

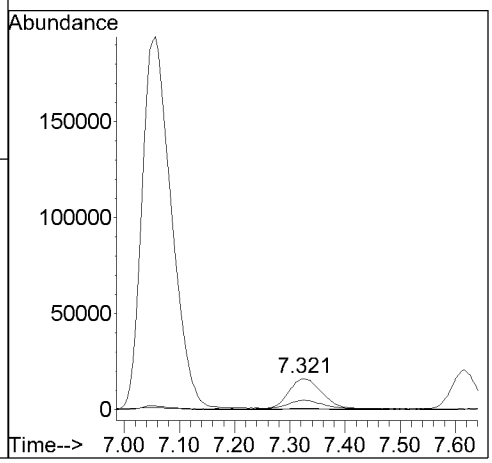


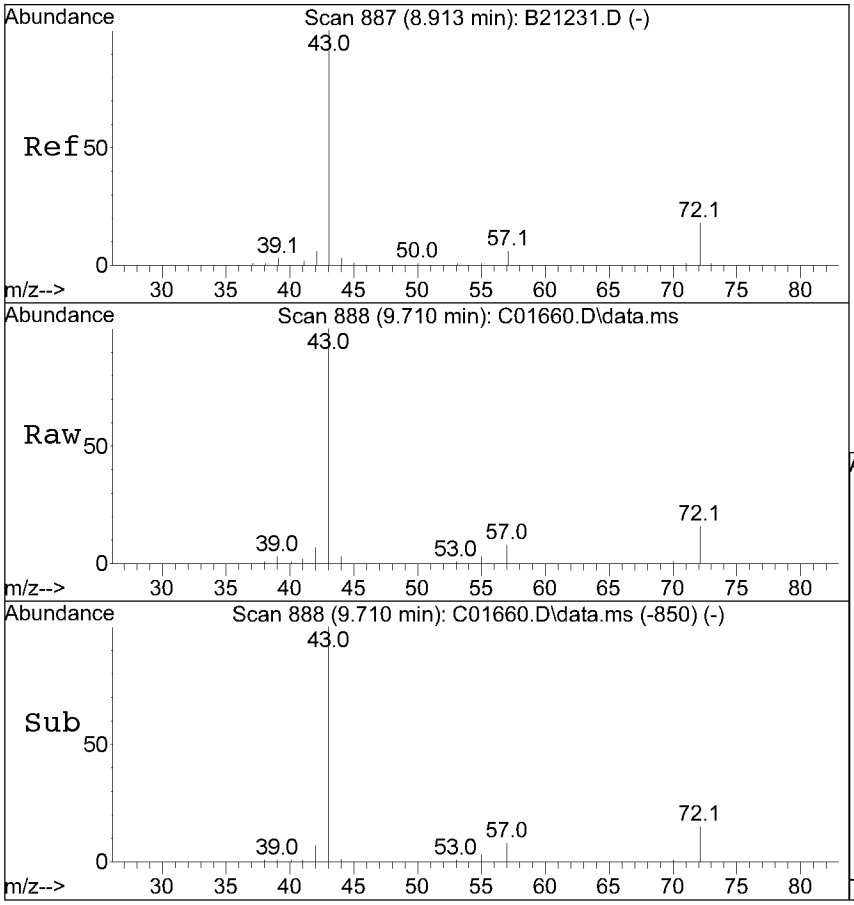


#21
IPA
Concen: 0.65 PPBv
RT: 7.327 min Scan# 420
Delta R.T. -0.010 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 45 Resp: 654465

Ion	Ratio	Lower	Upper
45	100		
43	25.2	22.4	33.6
59	0.0	0.0	0.0

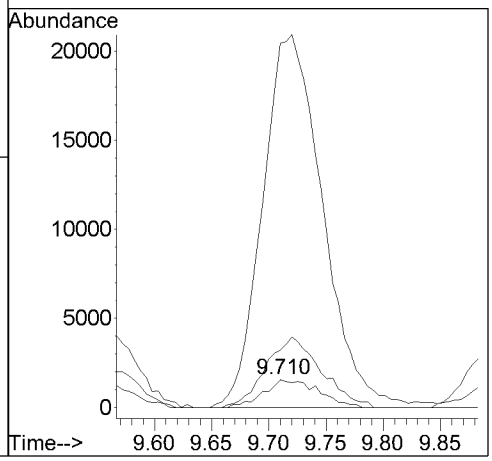


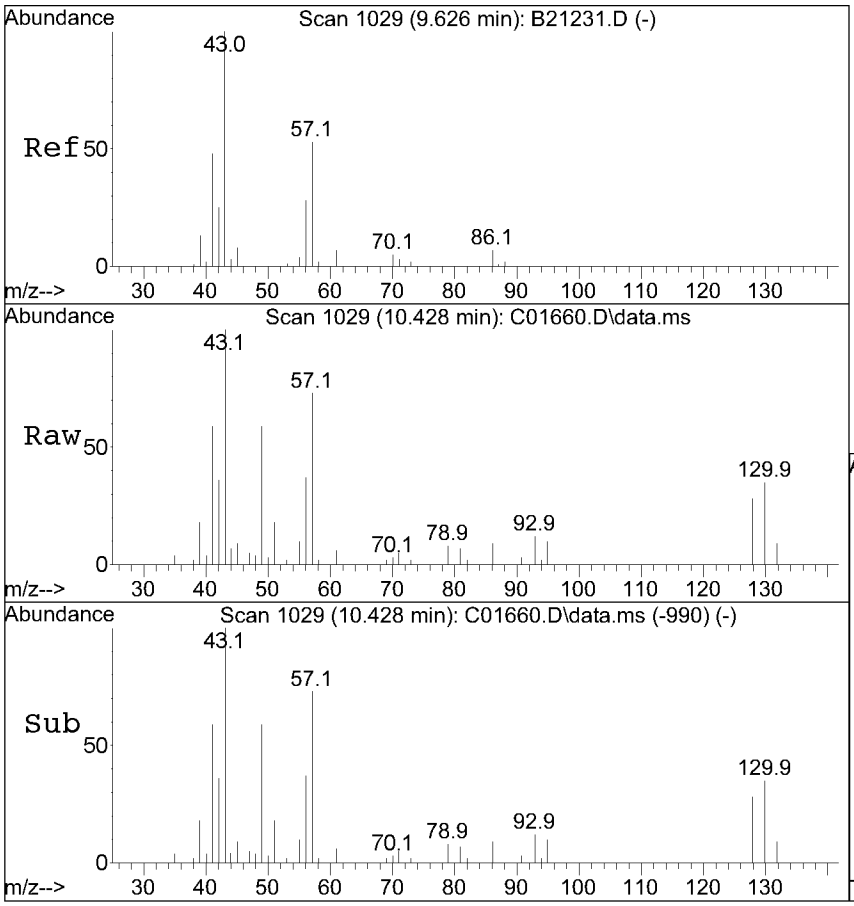


#22
2-BUTANONE(MEK)
Concen: 0.61 PPBv m
RT: 9.710 min Scan# 888
Delta R.T. -0.004 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 57 Resp: 51299

Ion	Ratio	Lower	Upper
57	100		
72	0.0	229.5	344.3#
43	0.0	1164.2	1746.4#

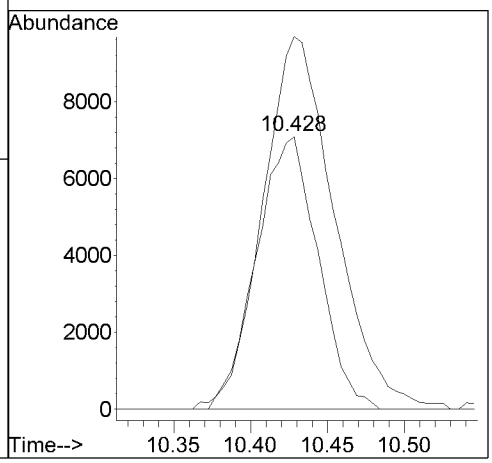


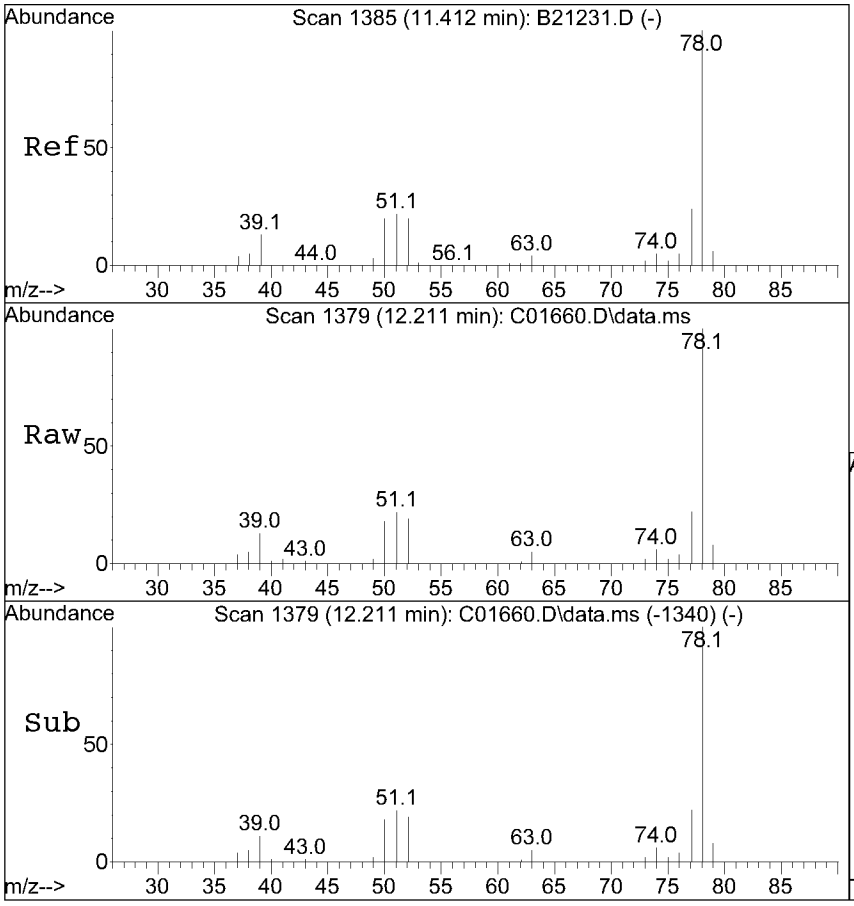


#24
HEXANE
Concen: 0.23 PPBv
RT: 10.428 min Scan# 1029
Delta R.T. -0.001 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 57 Resp: 198091

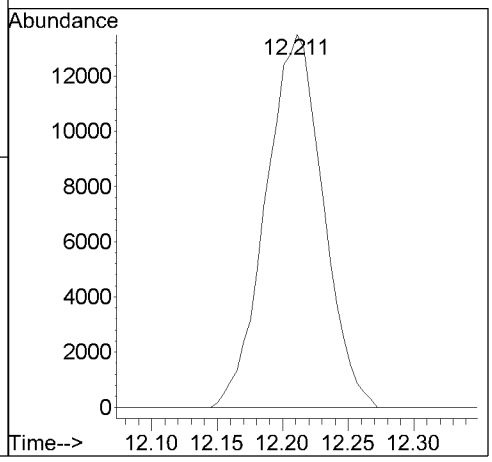
Ion	Ratio	Lower	Upper
57	100		
43	159.3	201.0	301.6#

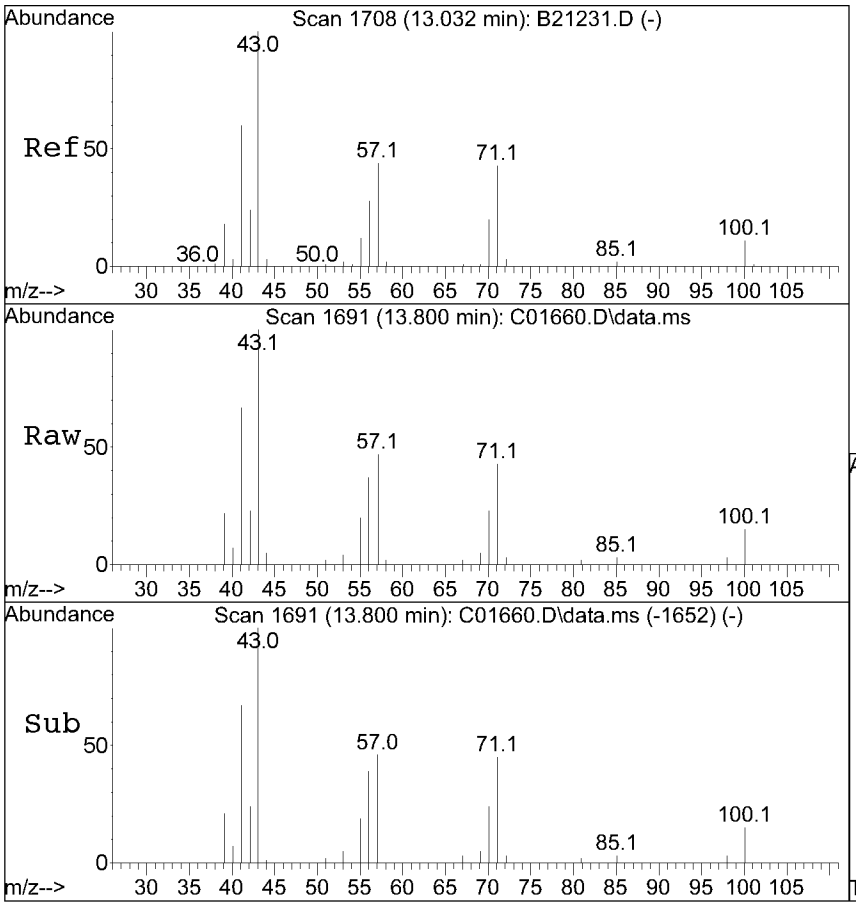




#30
BENZENE
Concen: 0.28 PPBv
RT: 12.213 min Scan# 1379
Delta R.T. -0.001 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 78 Resp: 410286

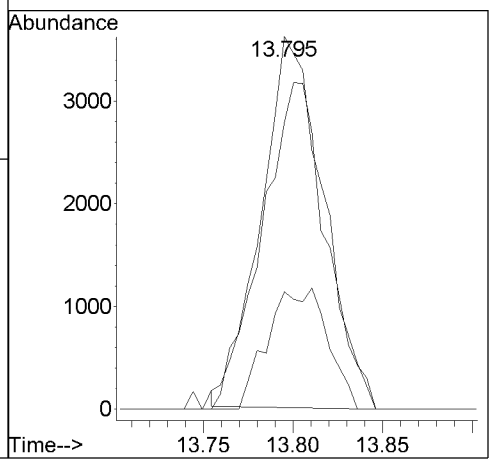


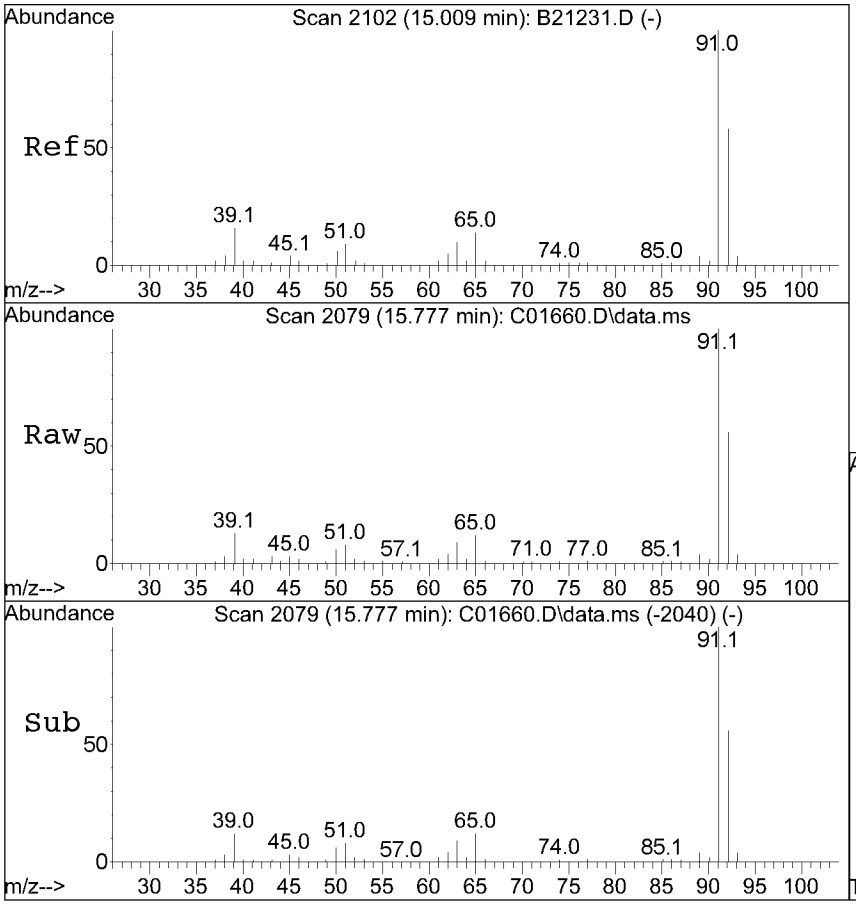


#38
HEPTANE
Concen: 0.15 PPBv
RT: 13.799 min Scan# 1691
Delta R.T. -0.004 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 57 Resp: 87456

Ion	Ratio	Lower	Upper
57	100		
71	90.7	83.2	124.8
100	31.2	25.1	37.7

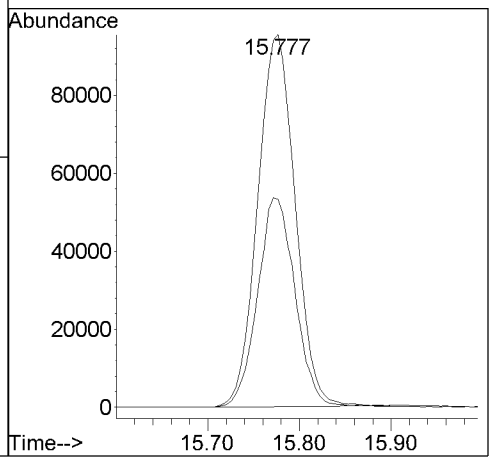


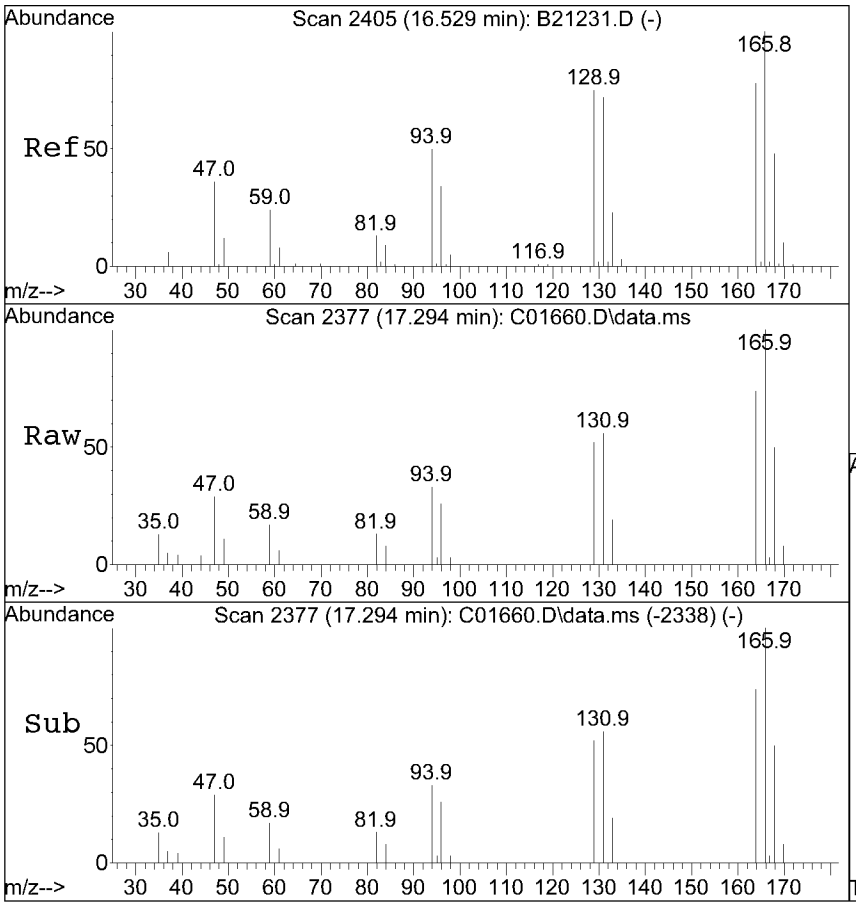


#43
TOLUENE
Concen: 1.52 PPBv
RT: 15.777 min Scan# 2079
Delta R.T. -0.002 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 91 Resp: 2707536

Ion	Ratio	Lower	Upper
91	100		
92	56.3	46.2	69.4

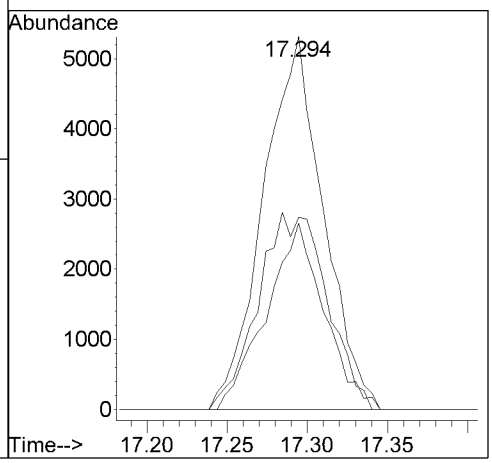


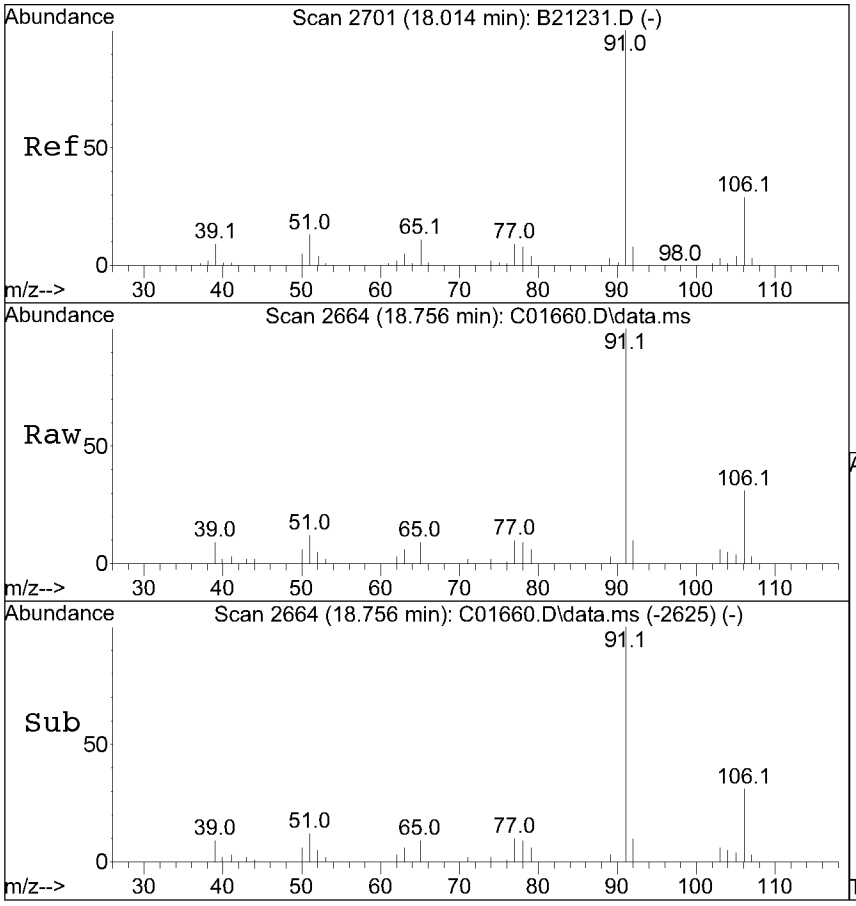


#47
TETRACHLOROETHENE
Concen: 0.15 PPBv
RT: 17.295 min Scan# 2377
Delta R.T. -0.001 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion:166 Resp: 138581

Ion	Ratio	Lower	Upper
166	100		
129	60.5	62.7	94.1#
168	48.0	38.7	58.1

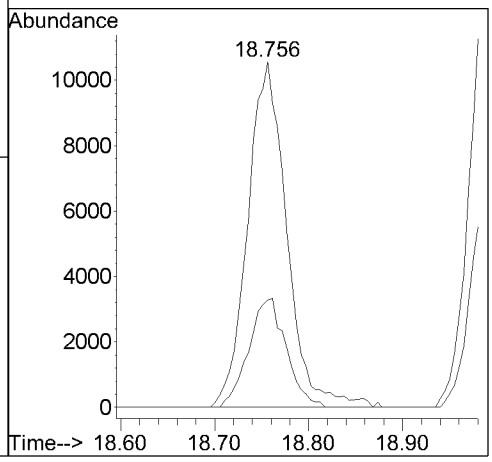


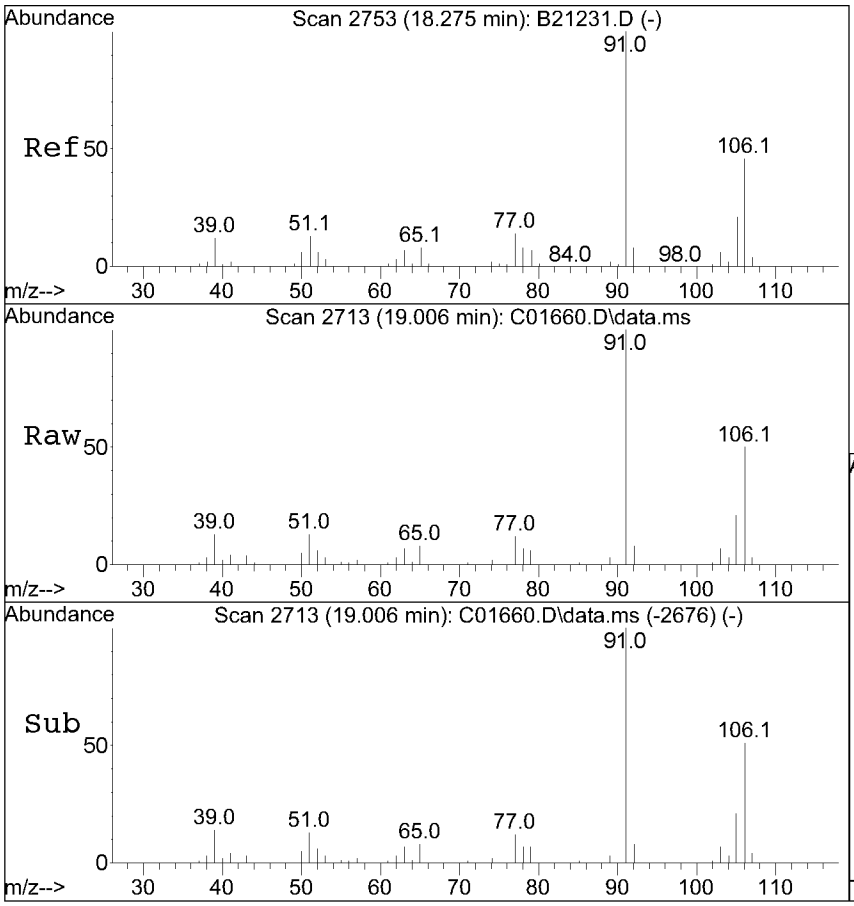


#51
ETHYLBENZENE
Concen: 0.14 PPBv
RT: 18.758 min Scan# 2664
Delta R.T. -0.001 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion: 91 Resp: 305262

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4

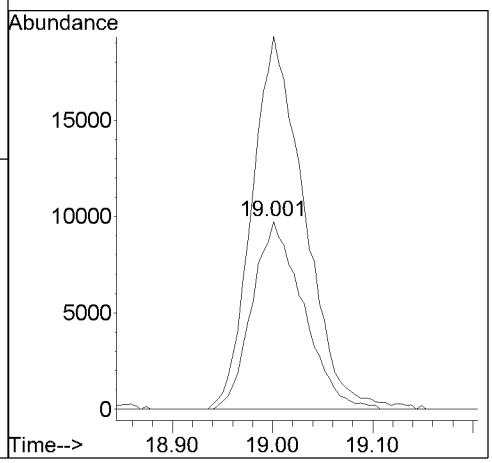


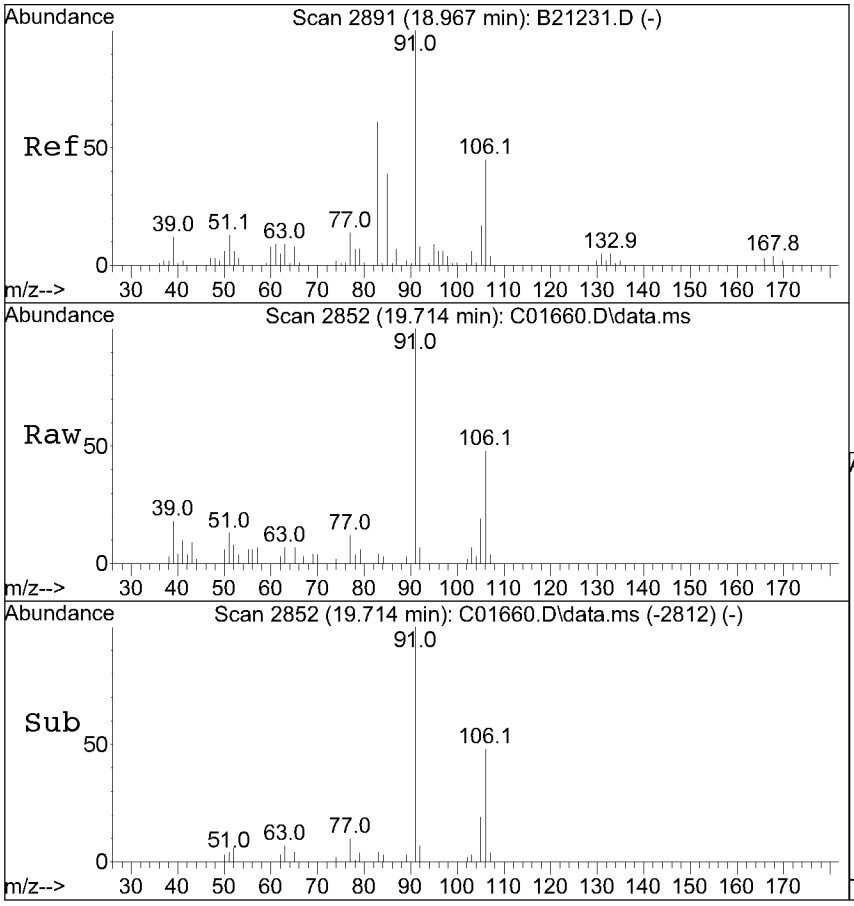


#52
M/P-XYLENE
Concen: 0.37 PPBv
RT: 19.004 min Scan# 2713
Delta R.T. -0.013 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion:106 Resp: 346223

Ion	Ratio	Lower	Upper
106	100		
91	204.9	155.4	233.2

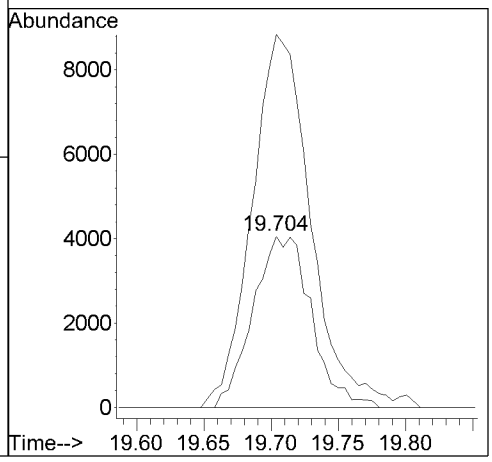


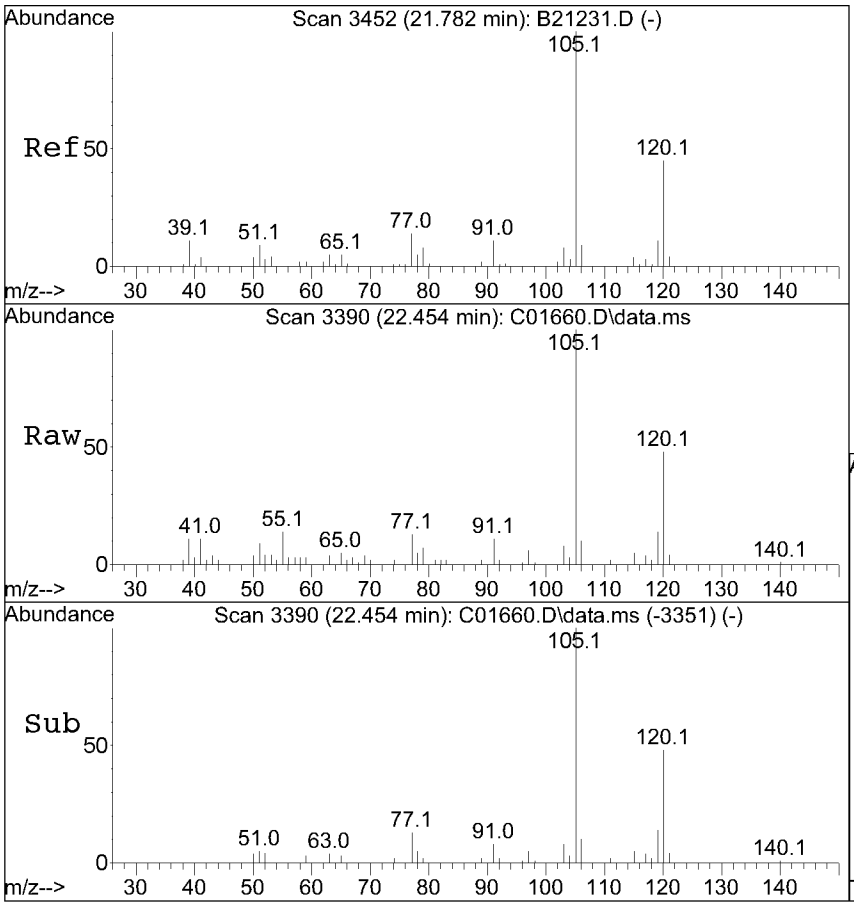


#55
O-XYLENE
Concen: 0.13 PPBv
RT: 19.713 min Scan# 2852
Delta R.T. 0.004 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion:106 Resp: 121992

Ion	Ratio	Lower	Upper
106	100		
91	221.0	175.2	262.8

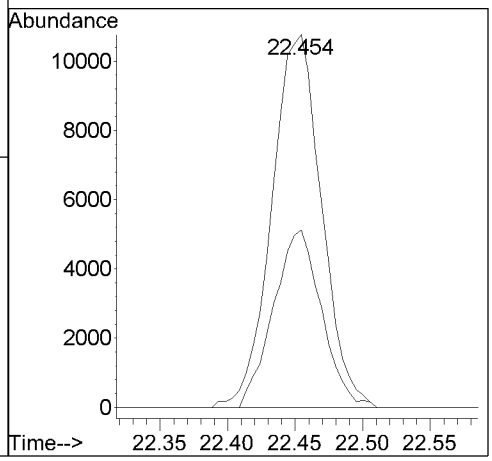




#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.13 PPBv
RT: 22.454 min Scan# 3390
Delta R.T. 0.001 min
Lab File: C01660.D
Acq: 2 May 2008 3:44 pm

Tgt Ion:105 Resp: 275947

Ion	Ratio	Lower	Upper
105	100		
120	46.1	35.7	53.5



Quantitation Report (QT Reviewed)

Data Path : G:\May2008\Air4\050208\
Data File : C01661.D
Acq On : 2 May 2008 4:35 pm
Operator : krl
Sample : sa77688-13 @ tb 1x (1000) to-15sim
Misc : 1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 05 07:36:29 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:28:56 2008
Response via : Initial Calibration

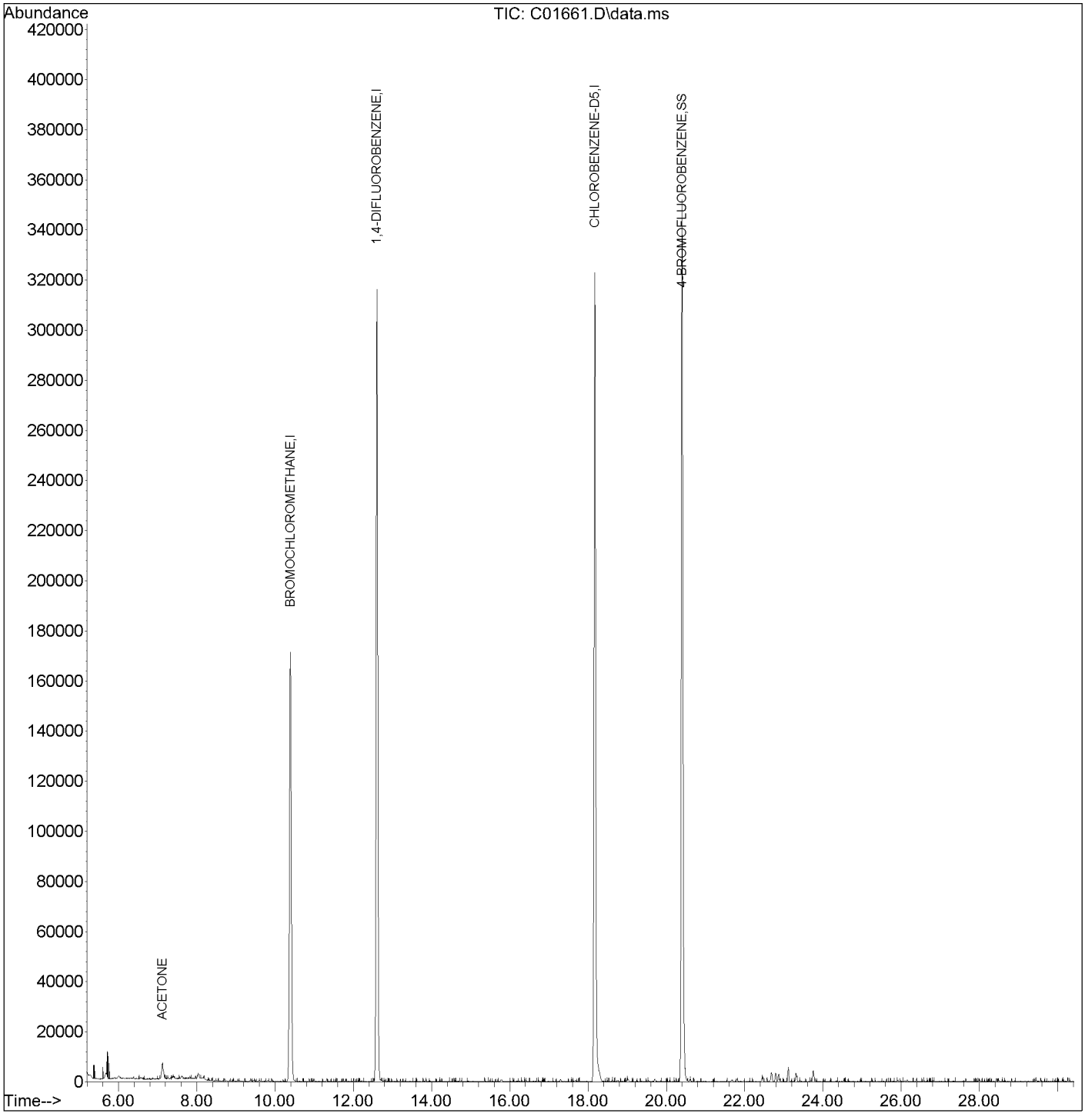
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	10.390	128	698148	10.00	PPBv	0.00
33) 1,4-DIFLUOROBENZENE	12.605	114	3818162	10.00	PPBv	0.00
48) CHLOROBENZENE-D5	18.172	82	1637956	10.00	PPBv	0.00
System Monitoring Compounds						
57) 4-BROMOFLUOROBENZENE	20.402	95	1881472	9.75	PPBv	0.00
Spiked Amount 10.000	Range 9 - 15		Recovery = 97.50%#			
Target Compounds						Qvalue
10) ACETONE	7.123	58	29868	0.09	PPBv	89

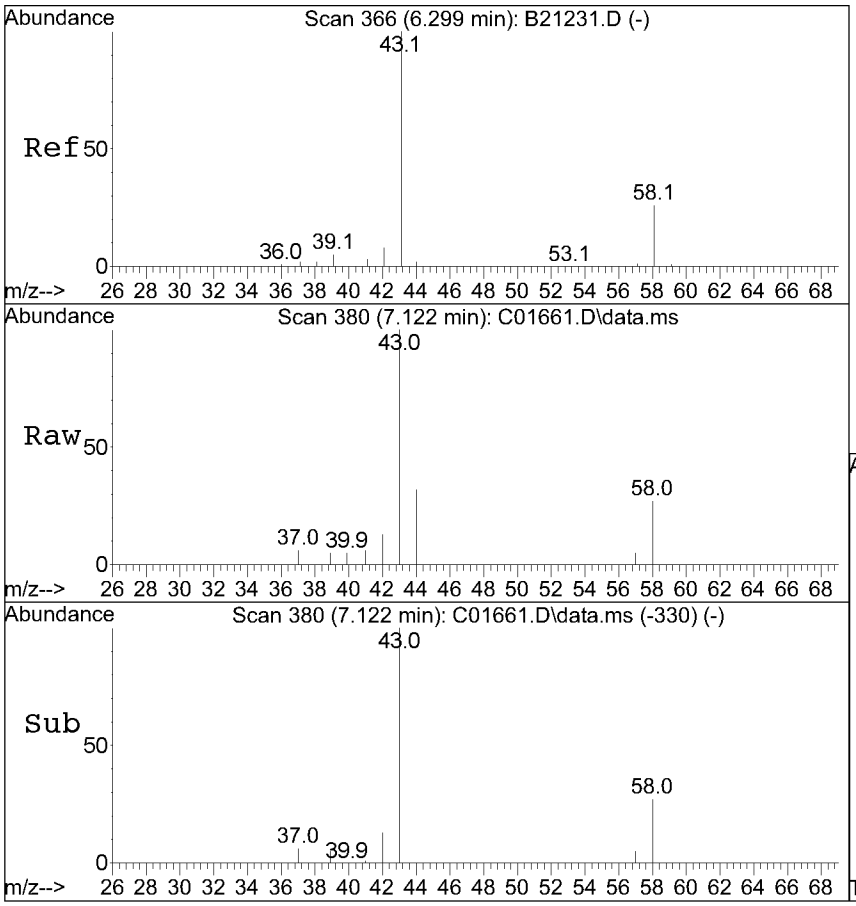
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\May2008\Air4\050208\
Data File : C01661.D
Acq On : 2 May 2008 4:35 pm
Operator : krl
Sample : sa77688-13 @ tb 1x (1000) to-15sim
Misc : 1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 05 07:36:29 2008
Quant Method : G:\AirMethods\2008\T4050108L.M
Quant Title :
QLast Update : Fri May 02 09:28:56 2008
Response via : Initial Calibration

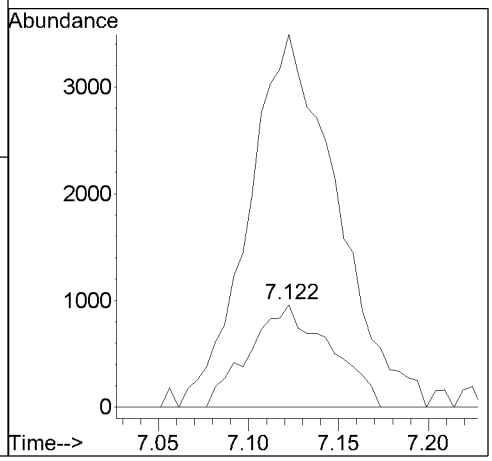




#10
ACETONE
Concen: 0.09 PPBv
RT: 7.123 min Scan# 380
Delta R.T. 0.056 min
Lab File: C01661.D
Acq: 2 May 2008 4:35 pm

Tgt Ion: 58 Resp: 29868

Ion	Ratio	Lower	Upper
58	100		
43	407.4	306.6	459.8



Spectrum Analytical, Inc.

Method Detection Limit Study

Date:	12/28/2007	**Sample Weight or Volume:**	200ml
Method:	TO-14/TO-15 020707	**Spike Conc. and Amount:**	0.2ppbv
Analyst:	Wes Bryon	**Instrument I.D.:**	HP4
Sample Prep. Method:	N/A	**Analytical Column:**	RTX1, 60m, 0.32ID, F=1um
Sample Prep. Technician:	N/A	**Detector:**	5973 MSD
Matrix:	Air		

Contaminant	Test Conc.	Units*	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	X	SD	Calc. MDL	Reporting Limit**
2) PROPENE	0.2	PPBv	0.22	0.19	0.21	0.24	0.23	0.23	0.24	0.222857	0.017995	0.056395	0.1
3) DICHLORODIFLUOROMETHANE	0.2	PPBv	0.23	0.2	0.25	0.27	0.24	0.25	0.26	0.242857	0.022887	0.071727	0.1
4) CHLOROMETHANE	0.2	PPBv	0.26	0.21	0.27	0.28	0.26	0.27	0.27	0.26	0.023094	0.072377	0.1
5) FREON 114	0.2	PPBv	0.25	0.22	0.25	0.27	0.26	0.26	0.27	0.254286	0.017182	0.05385	0.1
6) VINYL CHLORIDE	0.2	PPBv	0.24	0.21	0.24	0.27	0.25	0.25	0.27	0.247143	0.020587	0.064519	0.1
7) 1,3-BUTADIENE	0.2	PPBv	0.25	0.22	0.25	0.25	0.24	0.25	0.27	0.247143	0.01496	0.046885	0.1
8) BROMOMETHANE	0.2	PPBv	0.26	0.23	0.27	0.28	0.26	0.27	0.29	0.265714	0.019024	0.059621	0.1
9) CHLOROETHANE	0.2	PPBv	0.26	0.24	0.27	0.28	0.25	0.26	0.27	0.261429	0.013452	0.042158	0.1
10) ACETONE	0.2	PPBv	0.27	0.25	0.3	0.23	0.26	0.25	0.26	0.26	0.021602	0.067702	0.1
11) TRICHLOROFLUOROMETHANE	0.2	PPBv	0.29	0.24	0.29	0.3	0.28	0.29	0.31	0.285714	0.022254	0.069744	0.1
12) ETHANOL	0.2	PPBv	0.27	0.23	0.22	0.26	0.23	0.3	0.3	0.258571	0.033381	0.104616	0.5
13) 1,1-DICHLOROETHENE	0.2	PPBv	0.22	0.22	0.22	0.22	0.23	0.22	0.24	0.224286	0.007868	0.024658	0.1
14) METHYLENE CHLORIDE	0.2	PPBv	0.23	0.23	0.24	0.25	0.23	0.24	0.25	0.238571	0.008997	0.028198	0.1
15) FREON 113	0.2	PPBv	0.23	0.22	0.25	0.26	0.23	0.23	0.24	0.237143	0.013801	0.043253	0.1
16) CARBON DISULFIDE	0.2	PPBv	0.22	0.21	0.22	0.22	0.22	0.23	0.24	0.222857	0.009512	0.02981	0.1
17) TRANS-1,2-DICHLOROETHENE	0.2	PPBv	0.21	0.22	0.21	0.22	0.21	0.22	0.22	0.215714	0.005345	0.016752	0.1
18) 1,1-DICHLOROETHANE	0.2	PPBv	0.22	0.22	0.22	0.22	0.22	0.22	0.24	0.222857	0.007559	0.023691	0.1
19) MTBE	0.2	PPBv	0.16	0.17	0.16	0.13	0.16	0.16	0.17	0.158571	0.013452	0.042158	0.1
20) IPA	0.2	PPBv	0.33	0.31	0.37	0.28	0.32	0.32	0.31	0.32	0.02708	0.084869	0.1
21) 2-BUTANONE(MEK)	0.2	PPBv	0.18	0.2	0.19	0.15	0.18	0.19	0.19	0.182857	0.016036	0.050256	0.1
22) CIS-1,2-DICHLOROETHENE	0.2	PPBv	0.2	0.2	0.19	0.19	0.2	0.2	0.21	0.198571	0.006901	0.021627	0.1
23) VINYL ACETATE	0.2	PPBv	0.16	0.17	0.17	0.14	0.16	0.18	0.18	0.165714	0.013973	0.043791	0.1
24) HEXANE	0.2	PPBv	0.19	0.2	0.19	0.2	0.2	0.19	0.2	0.195714	0.005345	0.016752	0.1
25) ETHYL ACETATE	0.2	PPBv	0.18	0.2	0.2	0.16	0.19	0.19	0.2	0.188571	0.014639	0.045877	0.1
26) CHLOROFORM	0.2	PPBv	0.22	0.21	0.23	0.22	0.22	0.22	0.24	0.222857	0.009512	0.02981	0.1
27) TETRAHYDROFURAN	0.2	PPBv	0.14	0.17	0.15	0.12	0.16	0.16	0.17	0.152857	0.017995	0.056395	0.1
28) 1,2-DICHLOROETHANE	0.2	PPBv	0.2	0.2	0.21	0.2	0.2	0.2	0.21	0.202857	0.00488	0.015292	0.1
29) 1,1,1-TRICHLOROETHANE	0.2	PPBv	0.22	0.21	0.23	0.22	0.21	0.22	0.23	0.22	0.008165	0.025589	0.1
30) BENZENE	0.2	PPBv	0.19	0.2	0.19	0.19	0.2	0.2	0.2	0.195714	0.005345	0.016752	0.1
31) CARBON TETRACHLORIDE	0.2	PPBv	0.21	0.2	0.22	0.23	0.21	0.21	0.23	0.215714	0.011339	0.035536	0.1
32) CYCLOHEXANE	0.2	PPBv	0.18	0.19	0.17	0.19	0.19	0.18	0.19	0.184286	0.007868	0.024658	0.1
34) 1,2-DICHLOROPROPANE	0.2	PPBv	0.22	0.23	0.22	0.19	0.22	0.22	0.22	0.217143	0.012536	0.039287	0.1
35) BROMODICHLOROMETHANE	0.2	PPBv	0.24	0.24	0.24	0.22	0.24	0.24	0.25	0.238571	0.008997	0.028198	0.1
36) TRICHLOROETHENE	0.2	PPBv	0.3	0.31	0.29	0.28	0.3	0.3	0.3	0.297143	0.009512	0.02981	0.1
37) HEPTANE	0.2	PPBv	0.22	0.23	0.23	0.19	0.22	0.22	0.22	0.218571	0.013452	0.042158	0.1
38) MIBK	0.2	PPBv	0.21	0.23	0.21	0.15	0.22	0.22	0.22	0.208571	0.026726	0.08376	0.1

Spectrum Analytical, Inc.

Method Detection Limit Study

Contaminant	Test Conc.	Units*	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	X	SD	Calc. MDL	Reporting Limit**
39) CIS-1,3DICHLOROPROPENE	0.2	PPBv	0.18	0.22	0.18	0.16	0.2	0.19	0.19	0.188571	0.018645	0.058432	0.1
40) TRANS-1,3-DICHLOROPROPENE	0.2	PPBv	0.17	0.2	0.18	0.15	0.19	0.19	0.19	0.181429	0.016762	0.052531	0.1
41) 1,1,2-TRICHLOROETHANE	0.2	PPBv	0.22	0.23	0.23	0.2	0.23	0.23	0.23	0.224286	0.011339	0.035536	0.1
42) TOLUENE	0.2	PPBv	0.18	0.21	0.18	0.15	0.19	0.19	0.19	0.184286	0.018127	0.056809	0.1
43) 2-HEXANONE(MBK)	0.2	PPBv	0.17	0.21	0.17	0.12	0.19	0.19	0.19	0.177143	0.028702	0.089952	0.1
44) DIBROMOCHLOROMETHANE	0.2	PPBv	0.23	0.23	0.23	0.21	0.22	0.22	0.22	0.222857	0.007559	0.023691	0.1
45) 1,2-DIBROMOETHANE	0.2	PPBv	0.21	0.23	0.21	0.18	0.22	0.21	0.22	0.211429	0.015736	0.049316	0.1
46) TETRACHLOROETHENE	0.2	PPBv	0.23	0.24	0.22	0.2	0.23	0.23	0.24	0.227143	0.013801	0.043253	0.1
48) CHLOROBENZENE	0.2	PPBv	0.23	0.24	0.24	0.2	0.24	0.24	0.24	0.232857	0.01496	0.046885	0.1
49) ETHYLBENZENE	0.2	PPBv	0.16	0.2	0.17	0.13	0.18	0.17	0.18	0.17	0.021602	0.067702	0.1
50) M/P-XYLENE	0.2	PPBv	0.19	0.21	0.19	0.14	0.19	0.19	0.19	0.185714	0.021492	0.067356	0.2
51) BROMOFORM	0.2	PPBv	0.22	0.22	0.22	0.19	0.22	0.22	0.22	0.215714	0.011339	0.035536	0.1
52) STYRENE	0.2	PPBv	0.15	0.18	0.15	0.11	0.16	0.15	0.17	0.152857	0.022147	0.069408	0.1
53) 0-XYLENE	0.2	PPBv	0.17	0.2	0.18	0.13	0.19	0.19	0.19	0.178571	0.023401	0.07334	0.1
54) 1,1,2,2-TETRACHLOROETHANE	0.2	PPBv	0.24	0.24	0.25	0.18	0.23	0.24	0.25	0.232857	0.0243	0.076155	0.1
56) 1,3,5-TRIMETHYLBENZENE	0.2	PPBv	0.15	0.19	0.15	0.1	0.16	0.16	0.17	0.154286	0.027603	0.086507	0.1
57) 4-ETHYLTOLUENE	0.2	PPBv	0.17	0.2	0.17	0.11	0.18	0.18	0.18	0.17	0.028284	0.088643	0.1
58) 1,2,4-TRIMETHYLBENZENE	0.2	PPBv	0.14	0.18	0.15	0.1	0.16	0.15	0.16	0.148571	0.024785	0.077676	0.1
59) 1,3-DICHLOROBENZENE	0.2	PPBv	0.22	0.23	0.23	0.17	0.23	0.23	0.23	0.22	0.022361	0.070078	0.1
60) BENZYL CHLORIDE	0.2	PPBv	0.18	0.2	0.19	0.13	0.19	0.2	0.2	0.184286	0.025071	0.078574	0.1
61) 1,4-DICHLOROBENZENE	0.2	PPBv	0.21	0.23	0.21	0.15	0.21	0.22	0.21	0.205714	0.025728	0.08063	0.1
62) 1,2-DICHLOROBENZENE	0.2	PPBv	0.2	0.22	0.21	0.15	0.21	0.22	0.22	0.204286	0.025071	0.078574	0.1
63) 1,2,4-TRICHLOROBENZENE	0.2	PPBv	0.19	0.22	0.19	0.13	0.21	0.21	0.21	0.194286	0.030472	0.095501	0.1
64) HEXACHLOROBUTADIENE	0.2	PPBv	0.21	0.23	0.22	0.16	0.23	0.21	0.22	0.211429	0.024103	0.075539	0.1

*Document correct units.

**Reporting Limit based on low-level calibration standard

Spectrum Analytical, Inc.

Method Detection Limit Study

Date:	4/10/2008	**Sample Weight or Volume:**	200 ml
Method:	TO-15/TO-14, & Sub-lists	**Spike Conc. and Amount:**	1 ppbv
Analyst:	Kevin LaPlante	**Instrument I.D.:**	HP1
Sample Prep. Method:	General Air Prep	**Analytical Column:**	RTX1 60m, 0.32 ID, F=1um
Sample Prep. Technician:	N/A	**Detector:**	5973 MSD
Matrix:	Air		

Contaminant	Test Conc.	Units*	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	X	SD	Calc. MDL	Reporting Limit**
PROPENE	1	ppbv	1.15	1.19	1.14	1.11	1.16	1.08	1.08	1.114	0.035777	0.112125	0.5
DICHLORODIFLUOROMETHANE	1	ppbv	1.22	1.26	1.21	1.21	1.22	1.15	1.17	1.192	0.030332	0.095059	0.5
CHLOROMETHANE	1	ppbv	1.09	1.09	1.05	1.13	1.14	1.03	1.02	1.074	0.056833	0.178115	0.5
FREON 114	1	ppbv	1.22	1.24	1.18	1.25	1.26	1.15	1.15	1.198	0.053572	0.167896	0.5
VINYL CHLORIDE	1	ppbv	1.17	1.17	1.12	1.2	1.21	1.04	1.06	1.126	0.077974	0.244372	0.5
1,3-BUTADIENE	1	ppbv	1.16	1.18	1.12	1.22	1.21	1.07	1.05	1.134	0.078294	0.245374	0.5
BROMOMETHANE	1	ppbv	1.2	1.19	1.11	1.26	1.28	1.09	1.08	1.164	0.097622	0.305946	0.5
CHLOROETHANE	1	ppbv	1.16	1.21	1.12	1.31	1.29	1.08	1.07	1.174	0.116748	0.365887	0.5
ACETONE	1	ppbv	1.17	1.16	1.08	1.24	1.32	1.04	1.02	1.14	0.132665	0.415772	0.5
TRICHLOROFLUOROMETHANE	1	ppbv	1.17	1.21	1.14	1.18	1.26	1.12	1.13	1.166	0.057271	0.179488	0.5
ETHANOL	1	ppbv	1.08	1.09	1	1.15	1.12	0.96	0.99	1.044	0.085029	0.266482	0.5
1,1-DICHLOROETHENE	1	ppbv	1.2	1.23	1.16	1.18	1.16	1.11	1.11	1.144	0.032094	0.100581	0.5
METHYLENE CHLORIDE	1	ppbv	1.21	1.23	1.19	1.19	1.19	1.16	1.13	1.172	0.026833	0.084094	0.5
FREON 113	1	ppbv	1.24	1.26	1.21	1.21	1.22	1.16	1.17	1.194	0.027019	0.084676	0.5
CARBON DISULFIDE	1	ppbv	1.13	1.17	1.11	1.11	1.12	1.06	1.06	1.092	0.029496	0.09244	0.5
TRANS-1,2-DICHLOROETHENE	1	ppbv	1.18	1.23	1.16	1.16	1.16	1.12	1.11	1.142	0.0249	0.078036	0.5
1,1-DICHLOROETHANE	1	ppbv	1.18	1.2	1.14	1.15	1.15	1.11	1.09	1.128	0.026833	0.084094	0.5
MTBE	1	ppbv	1.17	1.16	1.11	1.08	1.09	1.01	1.03	1.064	0.04219	0.132224	0.5
IPA	1	ppbv	1.18	1.16	1.12	1.14	1.14	1.07	1.06	1.106	0.038471	0.120567	0.5
2-BUTANONE(MEK)	1	ppbv	1.15	1.17	1.1	1.07	1.06	0.99	1	1.044	0.047223	0.147996	0.5
CIS-1,2-DICHLOROETHENE	1	ppbv	1.19	1.2	1.17	1.16	1.18	1.12	1.11	1.148	0.031145	0.097608	0.5
HEXANE	1	ppbv	1.2	1.23	1.17	1.16	1.17	1.11	1.12	1.146	0.02881	0.09029	0.5
ETHYL ACETATE	1	ppbv	1.23	1.23	1.15	1.19	1.17	1.08	1.08	1.134	0.051284	0.160723	0.5
CHLOROFORM	1	ppbv	1.17	1.2	1.14	1.13	1.15	1.1	1.1	1.124	0.023022	0.07215	0.5
TETRAHYDROFURAN	1	ppbv	1.18	1.16	1.11	1.06	1.08	1.02	1.02	1.058	0.038987	0.122186	0.5
1,2-DICHLOROETHANE	1	ppbv	1.13	1.16	1.12	1.1	1.11	1.06	1.07	1.092	0.025884	0.081122	0.5
1,1,1-TRICHLOROETHANE	1	ppbv	1.14	1.17	1.13	1.13	1.15	1.07	1.08	1.112	0.034928	0.109466	0.5
BENZENE	1	ppbv	1.19	1.22	1.16	1.17	1.17	1.11	1.11	1.144	0.031305	0.09811	0.5
CARBON TETRACHLORIDE	1	ppbv	1.07	1.11	1.07	1.08	1.1	1.04	1.05	1.068	0.023875	0.074823	0.5
CYCLOHEXANE	1	ppbv	1.59	1.62	1.57	1.56	1.57	1.52	1.51	1.546	0.02881	0.09029	0.5
1,2-DICHLOROPROPANE	1	ppbv	1.24	1.27	1.2	1.2	1.21	1.15	1.17	1.186	0.0251	0.078663	0.5
BROMODICHLOROMETHANE	1	ppbv	1.18	1.21	1.17	1.16	1.19	1.13	1.13	1.156	0.026077	0.081725	0.5
TRICHLOROETHENE	1	ppbv	1.28	1.3	1.24	1.24	1.25	1.18	1.2	1.222	0.030332	0.095059	0.5
HEPTANE	1	ppbv	1.24	1.27	1.2	1.21	1.22	1.13	1.15	1.182	0.039623	0.124179	0.5
MIBK	1	ppbv	1.26	1.25	1.2	1.17	1.18	1.12	1.13	1.16	0.033912	0.106279	0.5
CIS-1,3DICHLOROPROPENE	1	ppbv	1.16	1.21	1.14	1.14	1.15	1.07	1.09	1.118	0.035637	0.111687	0.5

Spectrum Analytical, Inc.

Method Detection Limit Study

Contaminant	Test Conc.	Units*	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	X	SD	Calc. MDL	Reporting Limit**
TRANS-1,3-DICHLOROPROPENE	1	ppbv	1.11	1.13	1.08	1.07	1.08	1.03	1.04	1.06	0.023452	0.073499	0.5
1,1,2-TRICHLOROETHANE	1	ppbv	1.24	1.29	1.23	1.23	1.24	1.18	1.18	1.212	0.029496	0.09244	0.5
TOLUENE	1	ppbv	1.24	1.27	1.22	1.21	1.22	1.15	1.16	1.192	0.034205	0.107199	0.5
2-HEXANONE(MBK)	1	ppbv	1.16	1.26	1.22	1.15	1.18	1.13	1.14	1.164	0.036469	0.114294	0.5
DIBROMOCHLOROMETHANE	1	ppbv	1.12	1.15	1.11	1.1	1.15	1.08	1.09	1.106	0.027019	0.084676	0.5
1,2-DIBROMOETHANE	1	ppbv	1.24	1.27	1.22	1.23	1.23	1.16	1.19	1.206	0.030496	0.095574	0.5
TETRACHLOROETHENE	1	ppbv	1.26	1.32	1.25	1.23	1.25	1.19	1.19	1.222	0.030332	0.095059	0.5
CHLOROBENZENE	1	ppbv	1.28	1.32	1.24	1.26	1.27	1.21	1.21	1.238	0.027749	0.086965	0.5
ETHYLBENZENE	1	ppbv	1.23	1.27	1.2	1.21	1.21	1.13	1.14	1.178	0.039623	0.124179	0.5
M/P-XYLENE	1	ppbv	2.53	2.6	2.46	2.47	2.5	2.32	2.36	2.422	0.077589	0.243163	0.5
BROMOFORM	1	ppbv	1.01	1.04	1.01	1.02	1.04	0.96	0.97	1	0.033912	0.106279	0.5
STYRENE	1	ppbv	1.19	1.23	1.16	1.16	1.17	1.09	1.11	1.138	0.035637	0.111687	0.5
0-XYLENE	1	ppbv	1.27	1.29	1.24	1.27	1.26	1.17	1.19	1.226	0.043932	0.137682	0.5
1,1,2,2-TETRACHLOROETHANE	1	ppbv	1.3	1.34	1.26	1.29	1.29	1.21	1.22	1.254	0.037815	0.118513	0.5
1,3,5-TRIMETHYLBENZENE	1	ppbv	1.22	1.25	1.19	1.19	1.2	1.11	1.14	1.166	0.039115	0.122587	0.5
4-ETHYLTOLUENE	1	ppbv	1.22	1.12	1.19	1.2	1.22	1.13	1.14	1.176	0.039115	0.122587	0.5
1,2,4-TRIMETHYLBENZENE	1	ppbv	1.23	1.24	1.21	1.2	1.2	1.13	1.13	1.174	0.040373	0.12653	0.5
1,3-DICHLOROBENZENE	1	ppbv	1.31	1.32	1.27	1.27	1.29	1.19	1.21	1.246	0.043359	0.135887	0.5
BENZYL CHLORIDE	1	ppbv	0.97	0.98	0.94	0.94	0.95	0.87	0.88	0.916	0.037815	0.118513	0.5
1,4-DICHLOROBENZENE	1	ppbv	1.25	1.3	1.23	1.23	1.24	1.14	1.18	1.204	0.042778	0.134068	0.5
1,2-DICHLOROBENZENE	1	ppbv	1.3	1.31	1.26	1.26	1.28	1.2	1.22	1.244	0.032863	0.102994	0.5
1,2,4-TRICHLOROBENZENE	1	ppbv	1.31	1.36	1.31	1.3	1.33	1.26	1.28	1.296	0.027019	0.084676	0.5
HEXACHLOROBUTADIENE	1	ppbv	1.47	1.52	1.48	1.45	1.45	1.42	1.44	1.448	0.021679	0.067944	0.5

*Document correct units.

**Reporting Limit based on low-level calibration standard

MITKEM LABORATORIES
A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

May 22, 2008

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

RE: Client Project: Shames Drive
Lab Work Order #: G0580

Dear Ms. Beattie:

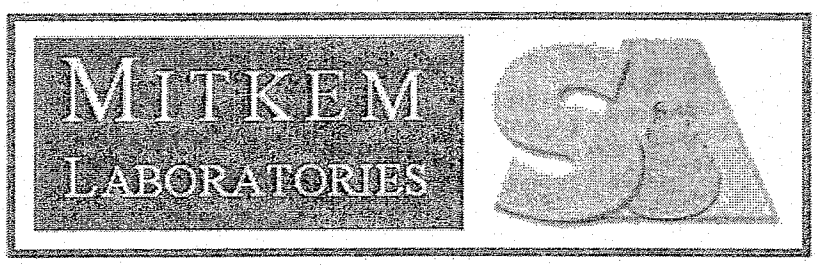
Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Shirley Ng
Project Manager

175 Metro Center Boulevard ◦ Warwick, Rhode Island 02886-1755 ◦ 401-732-3400 ◦ Fax 401-732-3499
www.mitkem.com



* Data Summary Pack *

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Shames Drive **SDG :** G0580

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
130173-MW-2-10-12	G0580-01	SW8260_LOW_S	SW8270_S		SW6010_S	
130173-MW-2-10-12	G0580-01				SW7471	

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive

SDG : G0580

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_LOW_S					
G0580-01B	SL	4/24/2008	4/25/2008	NA	4/29/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive

SDG : G0580

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
G0580-01A	SL	4/24/2008	4/25/2008	5/1/2008	5/13/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0580

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_LOW_S					
G0580-01B	SL	SW8260_LOW_S	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive

SDG : G0580

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
G0580-01A	SL	SW8270_S	BNA_S_PR	NA	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Shames Drive

SDG : G0580

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
G0580-01A	SL	SW6010_S	4/25/2008	5/5/2008
SW7471				
G0580-01A	SL	SW7471	4/25/2008	5/2/2008

Analytical Data Package for CDM

Client Project No.: Shames Drive

Mitkem Work Order ID: G0580

May 22, 2008

Prepared For:

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

0861

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to CDM's Shames Drive project. Under this deliverable, analysis results are presented for one soil sample that was received on April 25, 2008. Analyses were performed per specification in project contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

4. Metals Analysis:

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager
05/22/08

Mitkem Laboratories — *25/Apr/08 15:35* — WorkOrder: G0580

Client ID: CDM_NJ
Project: Shames Drive
Location:
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-B
EDD:
HC Due: 05/16/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0580-01A	130173-MW-2-10-12	04/24/2008 11:35	04/25/2008	Soil	PMoist		☐	☐	☐	A2
					SW6010_S	TAL	☐	☐	☑	A2
					SW7471	TAL	☐	☐	☐	A2
					SW8270_S		☐	☐	☐	A2
G0580-01B	130173-MW-2-10-12	04/24/2008 11:35	04/25/2008	Soil	SW8260_LOW_S		☐	☐	☐	VOA

Client Rep: Shirley S Ng

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-10-1
2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5884.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. 4.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	6.1	
74-88-4	Iodomethane	5.2	U
75-15-0	Carbon disulfide	5.2	U
75-09-2	Methylene chloride	1.1	BJ
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
108-05-4	Vinyl acetate	5.2	U
78-93-3	2-Butanone	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
594-20-7	2,2-Dichloropropane	5.2	U
74-97-5	Bromochloromethane	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
563-58-6	1,1-Dichloropropene	5.2	U
56-23-5	Carbon tetrachloride	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
71-43-2	Benzene	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
74-95-3	Dibromomethane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	5.2	U
108-88-3	Toluene	5.2	U
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
142-28-9	1,3-Dichloropropane	5.2	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

2005

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-10-1
2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5884.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. 4.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	5.2	U
591-78-6	2-Hexanone	5.2	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
630-20-6	1,1,1,2-Tetrachloroethane	5.2	U
100-41-4	Ethylbenzene	5.2	U
1330-20-7	m,p-Xylene	5.2	U
95-47-6	o-Xylene	5.2	U
1330-20-7	Xylene (Total)	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
108-86-1	Bromobenzene	5.2	U
96-18-4	1,2,3-Trichloropropane	5.2	U
103-65-1	n-Propylbenzene	5.2	U
95-49-8	2-Chlorotoluene	5.2	U
108-67-8	1,3,5-Trimethylbenzene	5.2	U
106-43-4	4-Chlorotoluene	5.2	U
98-06-6	tert-Butylbenzene	5.2	U
95-63-6	1,2,4-Trimethylbenzene	5.2	U
135-98-8	sec-Butylbenzene	5.2	U
99-87-6	4-Isopropyltoluene	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
104-51-8	n-Butylbenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U
87-68-3	Hexachlorobutadiene	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	U
91-20-3	Naphthalene	5.2	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5884.D

Level: (TRACE or LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. 4.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5873.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	59	
74-87-3	Chloromethane	50	
75-01-4	Vinyl chloride	49	
74-83-9	Bromomethane	47	
75-00-3	Chloroethane	48	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	50	
67-64-1	Acetone	53	
74-88-4	Iodomethane	48	
75-15-0	Carbon disulfide	48	
75-09-2	Methylene chloride	47	B
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl tert-butyl ether	47	
75-34-3	1,1-Dichloroethane	47	
108-05-4	Vinyl acetate	48	
78-93-3	2-Butanone	51	
156-59-2	cis-1,2-Dichloroethene	50	
594-20-7	2,2-Dichloropropane	52	
74-97-5	Bromochloromethane	48	
67-66-3	Chloroform	47	
71-55-6	1,1,1-Trichloroethane	49	
563-58-6	1,1-Dichloropropene	50	
56-23-5	Carbon tetrachloride	50	
107-06-2	1,2-Dichloroethane	43	
71-43-2	Benzene	49	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	47	
74-95-3	Dibromomethane	47	
75-27-4	Bromodichloromethane	46	
10061-01-5	cis-1,3-Dichloropropene	48	
108-10-1	4-Methyl-2-pentanone	45	
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	47	
79-00-5	1,1,2-Trichloroethane	46	
142-28-9	1,3-Dichloropropane	48	

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5873.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	50	
591-78-6	2-Hexanone	51	
124-48-1	Dibromochloromethane	49	
106-93-4	1,2-Dibromoethane	48	
108-90-7	Chlorobenzene	51	
630-20-6	1,1,1,2-Tetrachloroethane	51	
100-41-4	Ethylbenzene	53	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	52	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	52	
75-25-2	Bromoform	40	
98-82-8	Isopropylbenzene	54	
79-34-5	1,1,2,2-Tetrachloroethane	49	
108-86-1	Bromobenzene	51	
96-18-4	1,2,3-Trichloropropane	50	
103-65-1	n-Propylbenzene	54	
95-49-8	2-Chlorotoluene	52	
108-67-8	1,3,5-Trimethylbenzene	52	
106-43-4	4-Chlorotoluene	54	
98-06-6	tert-Butylbenzene	53	
95-63-6	1,2,4-Trimethylbenzene	51	
135-98-8	sec-Butylbenzene	53	
99-87-6	4-Isopropyltoluene	54	
541-73-1	1,3-Dichlorobenzene	53	
106-46-7	1,4-Dichlorobenzene	53	
104-51-8	n-Butylbenzene	55	
95-50-1	1,2-Dichlorobenzene	53	
96-12-8	1,2-Dibromo-3-chloropropane	50	
120-82-1	1,2,4-Trichlorobenzene	58	
87-68-3	Hexachlorobutadiene	58	
87-61-6	1,2,3-Trichlorobenzene	54	
91-20-3	Naphthalene	53	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6759.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 4.0 Decanted: (Y/N) N Date Received: 04/25/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/13/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	Bis(2-chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
111-91-1	Bis(2-chloroethoxy)methane	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	700	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	700	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	700	U
100-02-7	4-Nitrophenol	700	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U

SW846

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6759.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 4.0 Decanted: (Y/N) N Date Received: 04/25/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/13/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	700	U
534-52-1	4,6-Dinitro-2-methylphenol	700	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	700	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3´-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	Bis(2-ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

SW846

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6759.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 4.0 Decanted: (Y/N) N Date Received: 04/25/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/13/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	20.786	220	J
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6563.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	
111-44-4	Bis(2-chloroethyl)ether	1100	
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	1300	
106-46-7	1,4-Dichlorobenzene	1400	
95-50-1	1,2-Dichlorobenzene	1400	
95-48-7	2-Methylphenol	1300	
108-60-1	2,2'-oxybis(1-Chloropropane)	960	
106-44-5	4-Methylphenol	1300	
621-64-7	N-Nitroso-di-n-propylamine	1100	
67-72-1	Hexachloroethane	1400	
98-95-3	Nitrobenzene	1300	
78-59-1	Isophorone	1200	
88-75-5	2-Nitrophenol	1400	
105-67-9	2,4-Dimethylphenol	1400	
120-83-2	2,4-Dichlorophenol	1600	
120-82-1	1,2,4-Trichlorobenzene	1600	
91-20-3	Naphthalene	1500	
106-47-8	4-Chloroaniline	1000	
111-91-1	Bis(2-chloroethoxy)methane	1300	
87-68-3	Hexachlorobutadiene	1600	
59-50-7	4-Chloro-3-methylphenol	1400	
91-57-6	2-Methylnaphthalene	1400	
77-47-4	Hexachlorocyclopentadiene	2200	
88-06-2	2,4,6-Trichlorophenol	1600	
95-95-4	2,4,5-Trichlorophenol	1500	
91-58-7	2-Chloronaphthalene	1600	
88-74-4	2-Nitroaniline	1300	
131-11-3	Dimethylphthalate	1600	
208-96-8	Acenaphthylene	1500	
606-20-2	2,6-Dinitrotoluene	1600	
99-09-2	3-Nitroaniline	1100	
83-32-9	Acenaphthene	1500	
51-28-5	2,4-Dinitrophenol	690	
100-02-7	4-Nitrophenol	1700	
132-64-9	Dibenzofuran	1600	
121-14-2	2,4-Dinitrotoluene	1600	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6563.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1600	
86-73-7	Fluorene	1600	
100-01-6	4-Nitroaniline	900	
534-52-1	4,6-Dinitro-2-methylphenol	940	
86-30-6	N-Nitrosodiphenylamine	1400	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1500	
87-86-5	Pentachlorophenol	1000	
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	1400	
86-74-8	Carbazole	1600	
84-74-2	Di-n-butylphthalate	1400	
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	1500	
91-94-1	3,3´-Dichlorobenzidine	1500	
56-55-3	Benzo(a)anthracene	1500	
218-01-9	Chrysene	1500	
117-81-7	Bis(2-ethylhexyl)phthalate	1500	
117-84-0	Di-n-octylphthalate	1500	
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	1500	
191-24-2	Benzo(g,h,i)perylene	1500	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6564.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	
111-44-4	Bis(2-chloroethyl)ether	1100	
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	1200	
106-46-7	1,4-Dichlorobenzene	1300	
95-50-1	1,2-Dichlorobenzene	1300	
95-48-7	2-Methylphenol	1200	
108-60-1	2,2'-oxybis(1-Chloropropane)	930	
106-44-5	4-Methylphenol	1200	
621-64-7	N-Nitroso-di-n-propylamine	1000	
67-72-1	Hexachloroethane	1300	
98-95-3	Nitrobenzene	1200	
78-59-1	Isophorone	1100	
88-75-5	2-Nitrophenol	1300	
105-67-9	2,4-Dimethylphenol	1300	
120-83-2	2,4-Dichlorophenol	1400	
120-82-1	1,2,4-Trichlorobenzene	1400	
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	760	
111-91-1	Bis(2-chloroethoxy)methane	1100	
87-68-3	Hexachlorobutadiene	1500	
59-50-7	4-Chloro-3-methylphenol	1300	
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	2200	
88-06-2	2,4,6-Trichlorophenol	1500	
95-95-4	2,4,5-Trichlorophenol	1500	
91-58-7	2-Chloronaphthalene	1400	
88-74-4	2-Nitroaniline	1300	
131-11-3	Dimethylphthalate	1500	
208-96-8	Acenaphthylene	1500	
606-20-2	2,6-Dinitrotoluene	1500	
99-09-2	3-Nitroaniline	950	
83-32-9	Acenaphthene	1500	
51-28-5	2,4-Dinitrophenol	1400	
100-02-7	4-Nitrophenol	1600	
132-64-9	Dibenzofuran	1500	
121-14-2	2,4-Dinitrotoluene	1500	

SW846

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6564.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	1500	
7005-72-3	4-Chlorophenyl-phenylether	1600	
86-73-7	Fluorene	1500	
100-01-6	4-Nitroaniline	970	
534-52-1	4,6-Dinitro-2-methylphenol	1400	
86-30-6	N-Nitrosodiphenylamine	1500	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1500	
87-86-5	Pentachlorophenol	1200	
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	1400	
86-74-8	Carbazole	1700	
84-74-2	Di-n-butylphthalate	1500	
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	1400	
91-94-1	3,3´-Dichlorobenzidine	1400	
56-55-3	Benzo(a)anthracene	1400	
218-01-9	Chrysene	1400	
117-81-7	Bis(2-ethylhexyl)phthalate	1500	
117-84-0	Di-n-octylphthalate	1400	
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenzo(a,h)anthracene	1600	
191-24-2	Benzo(g,h,i)perylene	1600	

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-2-10-12

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Matrix (soil/water): SOIL Lab Sample ID: G0580-01

Level (low/med): MED Date Received: 04/25/2008

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	996			P
7440-36-0	Antimony	0.085	B		P
7440-38-2	Arsenic	1.0			P
7440-39-3	Barium	8.4			P
7440-41-7	Beryllium	0.072	B		P
7440-43-9	Cadmium	0.0040	U		P
7440-70-2	Calcium	82.5			P
7440-47-3	Chromium	5.9			P
7440-48-4	Cobalt	2.1			P
7440-50-8	Copper	2.3			P
7439-89-6	Iron	2590			P
7439-92-1	Lead	1.5			P
7439-95-4	Magnesium	202			P
7439-96-5	Manganese	55.8			P
7439-97-6	Mercury	0.0051	U		NR
7440-02-0	Nickel	2.0			P
7440-09-7	Potassium	147			P
7782-49-2	Selenium	0.085	B		P
7440-22-4	Silver	0.027	U		P
7440-23-5	Sodium	13.9	B		P
7440-28-0	Thallium	0.093	B		P
7440-62-2	Vanadium	2.1			P
7440-66-6	Zinc	4.2			P

Comments:

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-36141

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				455.0	449.9		364	546.0	98.9
Antimony				22.8	24.1		18.2	27.3	105.7
Arsenic				22.8	23.1		18.2	27.3	101.3
Barium				455.0	478.8		364	546.0	105.2
Beryllium				11.4	11.8		9.1	13.6	103.5
Cadmium				11.4	11.3		9.1	13.6	99.1
Calcium				1135.0	1142.5		908	1362.0	100.7
Chromium				45.5	46.1		36.4	54.6	101.3
Cobalt				113.5	116.2		90.8	136.2	102.4
Copper				56.5	59.3		45.2	67.8	105.0
Iron				227.5	228.5		182	273.0	100.4
Lead				22.8	23.5		18.2	27.3	103.1
Magnesium				1135.0	1148.2		908	1362.0	101.2
Manganese				113.5	120.2		90.8	136.2	105.9
Nickel				113.5	116.0		90.8	136.2	102.2
Potassium				1135.0	1166.1		908	1362.0	102.7
Selenium				22.8	22.0		18.2	27.3	96.5
Silver				56.5	59.6		42.4	67.8	105.5
Sodium				1135.0	1145.3		908	1362.0	100.9
Thallium				22.8	23.3		18.2	27.3	102.2
Vanadium				113.5	116.9		90.8	136.2	103.0
Zinc				113.5	116.7		90.8	136.2	102.8

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-36165

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury				0.8	0.8		0.6	0.9	100.0

2D - FORM II VOA-4

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	VBLK1J	98	97	109	94				0
02	V1JLCS	98	99	103	98				0
03	130173-MW-2-10-12	98	100	104	98				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(65-132)
VDMC2	(DCE) =1,2-Dichloroethane-d4	(65-128)
VDMC3	(TOL) =Toluene-d8	(85-115)
VDMC4	(BFB) =Bromofluorobenzene	(77-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SW846

2D - FORM II VOA-4

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	VBLK1J	98	97	109	94				0
02	V1JLCS	98	99	103	98				0
03	130173-MW-2-10-12	98	100	104	98				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(65-132)
VDMC2	(DCE) =1,2-Dichloroethane-d4	(65-128)
VDMC3	(TOL) =Toluene-d8	(85-115)
VDMC4	(BFB) =Bromofluorobenzene	(77-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SW846

0021

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	SBLK1U	76	86	80	73	73	82			0
02	S1ULCS	76	91	87	76	75	92			0
03	S1ULCSD	70	81	81	71	74	99			0
04	130173-MW-2-10-12	60	68	79	56	68	65			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(35-100)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH)	= Terphenyl-d14	(30-125)
SDMC4	(PHL)	= Phenol-d5	(40-100)
SDMC5	(2FP)	= 2-Fluorophenol	(35-105)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

0022

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36082 LCS Lot No.:

Date Extracted: 04/29/2008 Date Analyzed (1): 04/29/2008

Instrument ID (1): V1 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC #	QC LIMITS
Dichlorodifluoromethane	50.0000	59.4267	119	35-135
Chloromethane	50.0000	49.5738	99	50-130
Vinyl chloride	50.0000	49.2757	99	60-125
Bromomethane	50.0000	46.7696	94	30-160
Chloroethane	50.0000	47.8491	96	40-155
Trichlorofluoromethane	50.0000	47.3279	95	25-185
1,1-Dichloroethene	50.0000	50.1488	100	65-135
Acetone	50.0000	53.0913	106	20-160
Iodomethane	50.0000	47.7503	96	70-126
Carbon disulfide	50.0000	48.2861	97	45-160
Methylene chloride	50.0000	47.3192	95	55-140
trans-1,2-Dichloroethene	50.0000	49.8725	100	65-135
Methyl tert-butyl ether	50.0000	46.5662	93	75-126
1,1-Dichloroethane	50.0000	46.8858	94	75-125
Vinyl acetate	50.0000	48.2352	96	65-138
2-Butanone	50.0000	51.0561	102	30-160
cis-1,2-Dichloroethene	50.0000	49.633	99	65-125
2,2-Dichloropropane	50.0000	52.3049	105	65-135
Bromochloromethane	50.0000	48.2915	97	70-125
Chloroform	50.0000	47.2562	95	70-125
1,1,1-Trichloroethane	50.0000	49.4959	99	70-135
1,1-Dichloropropene	50.0000	50.2619	101	70-135
Carbon tetrachloride	50.0000	49.9136	100	65-135
1,2-Dichloroethane	50.0000	43.0842	86	70-135
Benzene	50.0000	48.5242	97	75-125
Trichloroethene	50.0000	51.2335	102	75-125
1,2-Dichloropropane	50.0000	47.3064	95	70-120
Dibromomethane	50.0000	46.8199	94	75-130
Bromodichloromethane	50.0000	45.7068	91	70-130

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36082 LCS Lot No.:

Date Extracted: 04/29/2008 Date Analyzed (1): 04/29/2008

cis-1,3-Dichloropropene	50.0000	47.5761	95	70-125
4-Methyl-2-pentanone	50.0000	44.7944	90	45-145
Toluene	50.0000	48.1956	96	70-125
trans-1,3-Dichloropropene	50.0000	46.7494	93	65-125
1,1,2-Trichloroethane	50.0000	45.6041	91	60-125
1,3-Dichloropropane	50.0000	48.1255	96	75-125
Tetrachloroethene	50.0000	49.8152	100	65-140
2-Hexanone	50.0000	51.0185	102	45-145
Dibromochloromethane	50.0000	49.0487	98	65-130
1,2-Dibromoethane	50.0000	48.2529	97	70-125
Chlorobenzene	50.0000	51.0986	102	75-125
1,1,1,2-Tetrachloroethane	50.0000	50.5773	101	75-125
Ethylbenzene	50.0000	52.5121	105	75-125
m,p-Xylene	100.0000	104.0794	104	80-125
o-Xylene	50.0000	52.0763	104	75-125
Xylene (Total)	150.0000	156.1558	104	83-125
Styrene	50.0000	52.0074	104	75-125
Bromoform	50.0000	39.6264	79	55-135
Isopropylbenzene	50.0000	54.2822	109	75-130
1,1,2,2-Tetrachloroethane	50.0000	49.4484	99	55-130
Bromobenzene	50.0000	51.2419	102	65-120
1,2,3-Trichloropropane	50.0000	50.4507	101	65-130
n-Propylbenzene	50.0000	54.4934	109	65-135
2-Chlorotoluene	50.0000	52.3372	105	70-130
1,3,5-Trimethylbenzene	50.0000	51.8424	104	65-135
4-Chlorotoluene	50.0000	53.71	107	75-125
tert-Butylbenzene	50.0000	53.0641	106	65-130
1,2,4-Trimethylbenzene	50.0000	50.6084	101	65-135
sec-Butylbenzene	50.0000	52.945	106	65-130
4-Isopropyltoluene	50.0000	54.3838	109	75-135
1,3-Dichlorobenzene	50.0000	53.0935	106	70-125
1,4-Dichlorobenzene	50.0000	52.7649	106	70-125
n-Butylbenzene	50.0000	54.6902	109	65-140

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36082 LCS Lot No.:

Date Extracted: 04/29/2008 Date Analyzed (1): 04/29/2008

1,2-Dichlorobenzene	50.0000	52.5828	105	75-120
1,2-Dibromo-3-chloropropane	50.0000	49.8178	100	40-135
1,2,4-Trichlorobenzene	50.0000	57.5442	115	65-130
Hexachlorobutadiene	50.0000	57.5105	115	55-140
1,2,3-Trichlorobenzene	50.0000	53.6237	107	60-135
Naphthalene	50.0000	52.6537	105	40-125

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

LCS Recovery: 0 out of 68 outside limits.

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Phenol	1667.0000	1188.2764	71		40-100
Bis(2-chloroethyl)ether	1667.0000	1096.3032	66		40-105
2-Chlorophenol	1667.0000	1344.5683	81		45-105
1,3-Dichlorobenzene	1667.0000	1346.7052	81		40-100
1,4-Dichlorobenzene	1667.0000	1355.4534	81		35-105
1,2-Dichlorobenzene	1667.0000	1405.6985	84		45-95
2-Methylphenol	1667.0000	1265.0045	76		40-105
2,2´-oxybis(1-Chloropropane)	1667.0000	964.996	58		20-115
4-Methylphenol	1667.0000	1258.1262	75		40-105
N-Nitroso-di-n-propylamine	1667.0000	1137.6062	68		40-115
Hexachloroethane	1667.0000	1398.5801	84		35-110
Nitrobenzene	1667.0000	1306.6016	78		40-115
Isophorone	1667.0000	1222.5084	73		45-110
2-Nitrophenol	1667.0000	1444.9961	87		40-110
2,4-Dimethylphenol	1667.0000	1360.6571	82		30-105
2,4-Dichlorophenol	1667.0000	1558.3887	93		45-110
1,2,4-Trichlorobenzene	1667.0000	1590.7579	95		45-110
Naphthalene	1667.0000	1491.6054	89		40-105
4-Chloroaniline	1667.0000	1018.8413	61		10-95
Bis(2-chloroethoxy)methane	1667.0000	1288.5631	77		45-110
Hexachlorobutadiene	1667.0000	1600.319	96		40-115
4-Chloro-3-methylphenol	1667.0000	1392.6165	84		45-115
2-Methylnaphthalene	1667.0000	1396.1999	84		45-105
Hexachlorocyclopentadiene	1667.0000	2248.9658	135		8-148
2,4,6-Trichlorophenol	1667.0000	1601.7051	96		45-110
2,4,5-Trichlorophenol	1667.0000	1525.2671	91		50-110
2-Chloronaphthalene	1667.0000	1584.1452	95		45-105
2-Nitroaniline	1667.0000	1257.8373	75		45-120
Dimethylphthalate	1667.0000	1584.3901	95		50-110

COMMENTS:

SW846

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Acenaphthylene	1667.0000	1492.6452	90	45-105
2,6-Dinitrotoluene	1667.0000	1578.7824	95	50-110
3-Nitroaniline	1667.0000	1144.8114	69	25-110
Acenaphthene	1667.0000	1493.689	90	45-110
2,4-Dinitrophenol	1667.0000	690.7387	41	15-130
4-Nitrophenol	1667.0000	1678.7564	101	15-140
Dibenzofuran	1667.0000	1569.0528	94	50-105
2,4-Dinitrotoluene	1667.0000	1607.5073	96	50-115
Diethylphthalate	1667.0000	1577.523	95	50-115
4-Chlorophenyl-phenylether	1667.0000	1581.9124	95	45-110
Fluorene	1667.0000	1550.0754	93	50-110
4-Nitroaniline	1667.0000	903.5279	54	35-115
4,6-Dinitro-2-methylphenol	1667.0000	938.2241	56	30-135
N-Nitrosodiphenylamine	1667.0000	1439.1281	86	50-115
4-Bromophenyl-phenylether	1667.0000	1496.4654	90	45-115
Hexachlorobenzene	1667.0000	1468.6091	88	45-120
Pentachlorophenol	1667.0000	1037.3853	62	25-120
Phenanthrene	1667.0000	1434.0564	86	50-110
Anthracene	1667.0000	1384.9115	83	55-105
Carbazole	1667.0000	1646.2808	99	45-115
Di-n-butylphthalate	1667.0000	1422.1322	85	55-110
Fluoranthene	1667.0000	1468.9706	88	55-115
Pyrene	1667.0000	1508.3216	90	45-125
Butylbenzylphthalate	1667.0000	1462.5397	88	50-125
3,3'-Dichlorobenzidine	1667.0000	1458.8078	88	10-130
Benzo(a)anthracene	1667.0000	1483.0245	89	50-110
Chrysene	1667.0000	1450.4177	87	55-110
Bis(2-ethylhexyl)phthalate	1667.0000	1529.0971	92	45-125
Di-n-octylphthalate	1667.0000	1515.74	91	40-130
Benzo(b)fluoranthene	1667.0000	1444.8213	87	45-115
Benzo(k)fluoranthene	1667.0000	1395.482	84	45-125
Benzo(a)pyrene	1667.0000	1413.0616	85	50-110
Indeno(1,2,3-cd)pyrene	1667.0000	1479.065	89	40-120

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Dibenzo(a,h)anthracene	1667.0000	1464.2382	88	40-125
Benzo(g,h,i)perylene	1667.0000	1479.357	89	40-125

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

LCS Recovery: 0 out of 64 outside limits.

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCSD-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Phenol	1667.0000	1152.6883	69		40-100
Bis(2-chloroethyl)ether	1667.0000	1142.3765	69		40-105
2-Chlorophenol	1667.0000	1271.4515	76		45-105
1,3-Dichlorobenzene	1667.0000	1239.5099	74		40-100
1,4-Dichlorobenzene	1667.0000	1270.6794	76		35-105
1,2-Dichlorobenzene	1667.0000	1322.818	79		45-95
2-Methylphenol	1667.0000	1199.6949	72		40-105
2,2´-oxybis(1-Chloropropane)	1667.0000	931.6671	56		20-115
4-Methylphenol	1667.0000	1192.7321	72		40-105
N-Nitroso-di-n-propylamine	1667.0000	1043.2606	63		40-115
Hexachloroethane	1667.0000	1330.4526	80		35-110
Nitrobenzene	1667.0000	1157.5077	69		40-115
Isophorone	1667.0000	1111.0079	67		45-110
2-Nitrophenol	1667.0000	1311.0735	79		40-110
2,4-Dimethylphenol	1667.0000	1261.809	76		30-105
2,4-Dichlorophenol	1667.0000	1412.3811	85		45-110
1,2,4-Trichlorobenzene	1667.0000	1409.0188	85		45-110
Naphthalene	1667.0000	1250.2133	75		40-105
4-Chloroaniline	1667.0000	760.3259	46		10-95
Bis(2-chloroethoxy)methane	1667.0000	1133.9763	68		45-110
Hexachlorobutadiene	1667.0000	1483.668	89		40-115
4-Chloro-3-methylphenol	1667.0000	1289.9189	77		45-115
2-Methylnaphthalene	1667.0000	1280.4872	77		45-105
Hexachlorocyclopentadiene	1667.0000	2214.3429	133		8-148
2,4,6-Trichlorophenol	1667.0000	1538.3341	92		45-110
2,4,5-Trichlorophenol	1667.0000	1503.8124	90		50-110
2-Chloronaphthalene	1667.0000	1447.45	87		45-105
2-Nitroaniline	1667.0000	1263.0145	76		45-120
Dimethylphthalate	1667.0000	1515.9998	91		50-110

COMMENTS:

0023

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCSD-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Acenaphthylene	1667.0000	1461.5011	88	45-105
2,6-Dinitrotoluene	1667.0000	1498.4599	90	50-110
3-Nitroaniline	1667.0000	949.5656	57	25-110
Acenaphthene	1667.0000	1458.7319	88	45-110
2,4-Dinitrophenol	1667.0000	1418.1242	85	15-130
4-Nitrophenol	1667.0000	1632.2441	98	15-140
Dibenzofuran	1667.0000	1494.2603	90	50-105
2,4-Dinitrotoluene	1667.0000	1544.5522	93	50-115
Diethylphthalate	1667.0000	1488.3981	89	50-115
4-Chlorophenyl-phenylether	1667.0000	1575.4326	95	45-110
Fluorene	1667.0000	1451.6335	87	50-110
4-Nitroaniline	1667.0000	966.4113	58	35-115
4,6-Dinitro-2-methylphenol	1667.0000	1375.7764	83	30-135
N-Nitrosodiphenylamine	1667.0000	1482.2838	89	50-115
4-Bromophenyl-phenylether	1667.0000	1505.7106	90	45-115
Hexachlorobenzene	1667.0000	1482.5156	89	45-120
Pentachlorophenol	1667.0000	1244.9234	75	25-120
Phenanthrene	1667.0000	1468.6843	88	50-110
Anthracene	1667.0000	1441.9104	86	55-105
Carbazole	1667.0000	1712.2495	103	45-115
Di-n-butylphthalate	1667.0000	1500.011	90	55-110
Fluoranthene	1667.0000	1522.6632	91	55-115
Pyrene	1667.0000	1479.573	89	45-125
Butylbenzylphthalate	1667.0000	1433.7728	86	50-125
3,3´-Dichlorobenzidine	1667.0000	1381.3751	83	10-130
Benzo(a)anthracene	1667.0000	1423.0001	85	50-110
Chrysene	1667.0000	1406.9329	84	55-110
Bis(2-ethylhexyl)phthalate	1667.0000	1453.1665	87	45-125
Di-n-octylphthalate	1667.0000	1437.1611	86	40-130
Benzo(b)fluoranthene	1667.0000	1415.6619	85	45-115
Benzo(k)fluoranthene	1667.0000	1384.1905	83	45-125
Benzo(a)pyrene	1667.0000	1456.1263	87	50-110
Indeno(1,2,3-cd)pyrene	1667.0000	1555.8258	93	40-120

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCSD-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Dibenzo(a,h)anthracene	1667.0000	1566.11	94	40-125
Benzo(g,h,i)perylene	1667.0000	1608.5622	96	40-125

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

LCS Recovery: 0 out of 64 outside limits.

COMMENTS:

SW846

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLK1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: V1J5872.D Lab Sample ID: MB-36082

Instrument ID: V1

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 04/29/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 11:45

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1JLCS	LCS-36082	V1J5873.D	12:19
02	130173-MW-2-10-12	G0580-01B	V1J5884.D	17:55

COMMENTS:

SW846

0032

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5872.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	3.4	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5872.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5872.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1U

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: S1F6562.D Lab Sample ID: MB-36150

Instrument ID: S1 Date Extracted: 05/01/2008

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 05/02/2008

Level: (LOW/MED) LOW Time Analyzed: 15:30

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1ULCS	LCS-36150	S1F6563.D	05/02/2008
02	S1ULCSD	LCSD-36150	S1F6564.D	05/02/2008
03	130173-MW-2-10-12	G0580-01A	S1F6759.D	05/13/2008

COMMENTS:

SW846

0036

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1U

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6562.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1U

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6562.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1U

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6562.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: MB-36165

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

FIMS1_080502B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	-0.041	B	-0.036	B	-0.026	B	-0.021	B	-0.008	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): Method Blank ID:

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

FIMS1_080502B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			-0.018	B							

0044

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: MB-36141

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

OPTIMA2_080505C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	37.0	U	37.0	U					2.376	B	
Antimony	4.4	U	4.4	U					0.150	U	
Arsenic	2.5	U	2.5	U					0.140	U	
Barium	11.0	U	11.0	U					0.100	U	
Beryllium	0.1	U	0.1	U					0.001	U	
Cadmium	0.1	U	0.3	B					0.007	U	
Calcium	99.0	U	99.0	U					7.400	U	
Chromium	0.2	U	0.6	B					0.076	B	
Cobalt	0.6	B	0.3	B					0.021	B	
Copper	4.2	B	4.1	B					0.812	B	
Iron	89.0	U	89.0	U					1.200	U	
Lead	1.3	B	2.0	B					0.060	B	
Magnesium	8.3	B	62.8	B					6.941	B	
Manganese	1.8	U	1.8	U					0.170	U	
Nickel	0.8	B	0.8	B					0.061	B	
Selenium	5.2	U	11.6	B					0.150	U	
Silver	1.2	U	1.2	U					0.115	B	
Thallium	-4.9	B	2.8	B					0.110	U	
Vanadium	0.4	U	0.4	U					0.042	U	
Zinc	9.0	B	7.5	B					1.248	B	

0042

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: MB-36141

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

OPTIMA3_080505H

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	46.4	B	36.0	U	36.8	B	49.1	B	2.207	B	
Sodium	64.0	U	64.0	U	64.0	U	177.1	B	4.771	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA3_080505H

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium			51.8	B	44.8	B	57.1	B			
Sodium			256.0	B	149.7	B	107.6	B			

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA3_080505H

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium			50.5	B							
Sodium			84.6	B							

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 04/24/2008 04/24/2008

EPA Sample No.(VSTD#####): VSTD0501J Date Analyzed: 04/29/2008

Lab File ID (Standard): V1J5871.D Time Analyzed: 10:35

Instrument ID: V1 Heated Purge: (Y/N) Y

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	1409306		5.894		908602		9.509		402778		12.444	
	UPPER LIMIT	2818612		6.394		1817204		10.009		805556		12.944	
	LOWER LIMIT	704653		5.394		454301		9.009		201389		11.944	
	SAMPLE NO.												
01	VBLK1J	1315192		5.890		856464		9.505		377743		12.440	
02	V1JLCS	1294901		5.899		887236		9.504		389986		12.439	
03	130173-MW-2-10-12	1317771		5.889		882970		9.504		381831		12.439	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 04/22/2008 04/22/2008

EPA Sample No.(SSTD020##): SSTD0501U Date Analyzed: 05/02/2008

Lab File ID (Standard): S1F6561.D Time Analyzed: 14:40

Instrument ID: S1

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	163172		8.331		568276		10.427		294035		13.29	
	UPPER LIMIT	326344		8.831		1136552		10.927		588070		13.79	
	LOWER LIMIT	81586		7.831		284138		9.927		147018		12.79	
	SAMPLE NO.												
01	SBLK1U	167505		8.332		541011		10.417		276744		13.280	
02	S1ULCS	169810		8.332		574324		10.428		295977		13.291	
03	S1ULCSD	179439		8.331		626397		10.427		304594		13.290	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

6917

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 04/22/2008 04/22/2008

EPA Sample No.(SSTD020##): SSTD0501U Date Analyzed: 05/02/2008

Lab File ID (Standard): S1F6561.D Time Analyzed: 14:40

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	503410		15.71		498044		20.043		384077		22.192	
	UPPER LIMIT	1006820		16.21		996088		20.543		768154		22.692	
	LOWER LIMIT	251705		15.21		249022		19.543		192039		21.692	
	SAMPLE NO.												
01	SBLK1U	434299		15.700		374940		20.021		291274		22.182	
02	S1ULCS	505724		15.711		433375		20.033		348167		22.183	
03	S1ULCSD	487247		15.710		446728		20.032		366018		22.182	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/08/2008 05/08/2008

EPA Sample No.(SSTD020##): SSTD0501E Date Analyzed: 05/13/2008

Lab File ID (Standard): S1F6751.D Time Analyzed: 09:57

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	528842		7.713		1682854		9.82		983988		12.672	
	UPPER LIMIT	1057684		8.213		3365708		10.32		1967976		13.172	
	LOWER LIMIT	264421		7.213		841427		9.32		491994		12.172	
	SAMPLE NO.												
01	130173-MW-2-10-12	511123		7.714		1644686		9.810		932195		12.662	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8045

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/08/2008 05/08/2008

EPA Sample No.(SSTD020##): SSTD0501E Date Analyzed: 05/13/2008

Lab File ID (Standard): S1F6751.D Time Analyzed: 09:57

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1475809		15.07		1363494		19.348		937511		21.477	
	UPPER LIMIT	2951618		15.57		2726988		19.848		1875022		21.977	
	LOWER LIMIT	737905		14.57		681747		18.848		468756		20.977	
	SAMPLE NO.												
01	130173-MW-2-10-12	1478241		15.060		1074333		19.339		563465		21.467	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

0058

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Shames Drive **SDG :** G0580

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
130173-MW-2-10-12	G0580-01	SW8260_LOW_S	SW8270_S		SW6010_S	
130173-MW-2-10-12	G0580-01				SW7471	

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive

SDG : G0580

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_LOW_S					
G0580-01B	SL	4/24/2008	4/25/2008	NA	4/29/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0580

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
G0580-01A	SL	4/24/2008	4/25/2008	5/1/2008	5/13/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0580

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_LOW_S					
G0580-01B	SL	SW8260_LOW_S	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0580

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
G0580-01A	SL	SW8270_S	BNA_S_PR	NA	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Shames Drive **SDG :** G0580

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
G0580-01A	SL	SW6010_S	4/25/2008	5/5/2008
SW7471				
G0580-01A	SL	SW7471	4/25/2008	5/2/2008

Analytical Data Package for CDM

Client Project No.: Shames Drive

Mitkem Work Order ID: G0580

May 22, 2008

Prepared For:

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to CDM's Shames Drive project. Under this deliverable, analysis results are presented for one soil sample that was received on April 25, 2008. Analyses were performed per specification in project contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

4. Metals Analysis:

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager
05/22/08

Mitkem Laboratories

25/Apr/08 15:35

WorkOrder: G0580

Client ID: CDM_NJ
Project: Shames Drive
Location:
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-B
EDD:
HC Due: 05/16/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0580-01A	130173-MW-2-10-12	04/24/2008 11:35	04/25/2008	Soil	PMoist		☐	☐	☐	A2
					SW6010_S	TAL	☐	☐	☑	A2
					SW7471	TAL	☐	☐	☐	A2
					SW8270_S		☐	☐	☐	A2
G0580-01B	130173-MW-2-10-12	04/24/2008 11:35	04/25/2008	Soil	SW8260_LOW_S		☐	☐	☐	VOA

Client Rep: Shirley S Ng

Sample Transmittal Documentation

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Bellie
Raritan Plaza I Raritan Center
Edison, NJ 08818
732-225-7000
Project Mgr.: J. Bellie

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: Shames
Location: Westbury ~~NY~~ State: NY
Sampler(s): Nathan Parker

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8260 VOCs	8270 SVOCs	6010 metals
60580 01	130173-MW-2-10-12	4/24/08	1135	G	SO	—		1	1		X	X	X

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
- ☐ Standard ☐ No QC
- ☐ Other _____

State specific reporting standards: _____

☐ Fax results when available to (____) _____
☐ E-mail to _____
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C

Relinquished by:	Received by:	Date:	Time:
[signature] 4/24/08 1530	[signature]	4.25.08	9:40

MITKEM LABORATORIES

Sample Condition Form

Received By: CAN | Reviewed By: SN | Date: 4-25-08 | MITKEM Workorder #: 60580

Client Project: Shames Drive | Client: DM-US

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) NA

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 4.C
Coolant Condition Ice

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 865516391865

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 4-25-08

9) Time Received 9:06

Preservative Name/Lot No:

Lab Sample ID	Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
60580 01					US	

CAN 4/25/08 9:06

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

0007



* Volatiles *

2D - FORM II VOA-4

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	VBLK1J	98	97	109	94				0
02	V1JLCS	98	99	103	98				0
03	130173-MW-2-10-12	98	100	104	98				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(65-132)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(65-128)
VDMC3	(TOL) = Toluene-d8	(85-115)
VDMC4	(BFB) = Bromofluorobenzene	(77-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SW846

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36082 LCS Lot No.:

Date Extracted: 04/29/2008 Date Analyzed (1): 04/29/2008

Instrument ID (1): V1 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Dichlorodifluoromethane	50.0000	59.4267	119		35-135
Chloromethane	50.0000	49.5738	99		50-130
Vinyl chloride	50.0000	49.2757	99		60-125
Bromomethane	50.0000	46.7696	94		30-160
Chloroethane	50.0000	47.8491	96		40-155
Trichlorofluoromethane	50.0000	47.3279	95		25-185
1,1-Dichloroethene	50.0000	50.1488	100		65-135
Acetone	50.0000	53.0913	106		20-160
Iodomethane	50.0000	47.7503	96		70-126
Carbon disulfide	50.0000	48.2861	97		45-160
Methylene chloride	50.0000	47.3192	95		55-140
trans-1,2-Dichloroethene	50.0000	49.8725	100		65-135
Methyl tert-butyl ether	50.0000	46.5662	93		75-126
1,1-Dichloroethane	50.0000	46.8858	94		75-125
Vinyl acetate	50.0000	48.2352	96		65-138
2-Butanone	50.0000	51.0561	102		30-160
cis-1,2-Dichloroethene	50.0000	49.633	99		65-125
2,2-Dichloropropane	50.0000	52.3049	105		65-135
Bromochloromethane	50.0000	48.2915	97		70-125
Chloroform	50.0000	47.2562	95		70-125
1,1,1-Trichloroethane	50.0000	49.4959	99		70-135
1,1-Dichloropropene	50.0000	50.2619	101		70-135
Carbon tetrachloride	50.0000	49.9136	100		65-135
1,2-Dichloroethane	50.0000	43.0842	86		70-135
Benzene	50.0000	48.5242	97		75-125
Trichloroethene	50.0000	51.2335	102		75-125
1,2-Dichloropropane	50.0000	47.3064	95		70-120
Dibromomethane	50.0000	46.8199	94		75-130
Bromodichloromethane	50.0000	45.7068	91		70-130

COMMENTS:

SW846

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36082 LCS Lot No.:

Date Extracted: 04/29/2008 Date Analyzed (1): 04/29/2008

cis-1,3-Dichloropropene	50.0000	47.5761	95	70-125
4-Methyl-2-pentanone	50.0000	44.7944	90	45-145
Toluene	50.0000	48.1956	96	70-125
trans-1,3-Dichloropropene	50.0000	46.7494	93	65-125
1,1,2-Trichloroethane	50.0000	45.6041	91	60-125
1,3-Dichloropropane	50.0000	48.1255	96	75-125
Tetrachloroethene	50.0000	49.8152	100	65-140
2-Hexanone	50.0000	51.0185	102	45-145
Dibromochloromethane	50.0000	49.0487	98	65-130
1,2-Dibromoethane	50.0000	48.2529	97	70-125
Chlorobenzene	50.0000	51.0986	102	75-125
1,1,1,2-Tetrachloroethane	50.0000	50.5773	101	75-125
Ethylbenzene	50.0000	52.5121	105	75-125
m,p-Xylene	100.0000	104.0794	104	80-125
o-Xylene	50.0000	52.0763	104	75-125
Xylene (Total)	150.0000	156.1558	104	83-125
Styrene	50.0000	52.0074	104	75-125
Bromoform	50.0000	39.6264	79	55-135
Isopropylbenzene	50.0000	54.2822	109	75-130
1,1,2,2-Tetrachloroethane	50.0000	49.4484	99	55-130
Bromobenzene	50.0000	51.2419	102	65-120
1,2,3-Trichloropropane	50.0000	50.4507	101	65-130
n-Propylbenzene	50.0000	54.4934	109	65-135
2-Chlorotoluene	50.0000	52.3372	105	70-130
1,3,5-Trimethylbenzene	50.0000	51.8424	104	65-135
4-Chlorotoluene	50.0000	53.71	107	75-125
tert-Butylbenzene	50.0000	53.0641	106	65-130
1,2,4-Trimethylbenzene	50.0000	50.6084	101	65-135
sec-Butylbenzene	50.0000	52.945	106	65-130
4-Isopropyltoluene	50.0000	54.3838	109	75-135
1,3-Dichlorobenzene	50.0000	53.0935	106	70-125
1,4-Dichlorobenzene	50.0000	52.7649	106	70-125
n-Butylbenzene	50.0000	54.6902	109	65-140

COMMENTS:

SW846

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36082 LCS Lot No.:

Date Extracted: 04/29/2008 Date Analyzed (1): 04/29/2008

1,2-Dichlorobenzene	50.0000	52.5828	105	75-120
1,2-Dibromo-3-chloropropane	50.0000	49.8178	100	40-135
1,2,4-Trichlorobenzene	50.0000	57.5442	115	65-130
Hexachlorobutadiene	50.0000	57.5105	115	55-140
1,2,3-Trichlorobenzene	50.0000	53.6237	107	60-135
Naphthalene	50.0000	52.6537	105	40-125

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

LCS Recovery: 0 out of 68 outside limits.

COMMENTS:

SW846

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLK1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: V1J5872.D Lab Sample ID: MB-36082

Instrument ID: V1

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 04/29/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 11:45

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1JLCS	LCS-36082	V1J5873.D	12:19
02	130173-MW-2-10-12	G0580-01B	V1J5884.D	17:55

COMMENTS:

SW846

0812

5A - FORM V VOA

VOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.

BFB1B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: V1J5669.D BFB Injection Date: 04/24/2008

Instrument ID: V1 BFB Injection Time: 03:44

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.3
75	30.0 - 60.0% of mass 95	46.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	61.8
175	5.0 - 9.0% of mass 174	4.7 (7.6)1
176	95.0 - 101.0% of mass 174	60.1 (97.3)1
177	5.0 - 9.0% of mass 176	4.1 (6.9)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0501B	VSTD0501B	V1J5671.D	04/24/2008	04:45
02	VSTD0201B	VSTD0201B	V1J5672.D	04/24/2008	05:15
03	VSTD0051B	VSTD0051B	V1J5673.D	04/24/2008	05:46
04	VSTD2001B	VSTD2001B	V1J5675.D	04/24/2008	07:17
05	VSTD1001B	VSTD1001B	V1J5676.D	04/24/2008	07:47

SW846

0014

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.
BFB1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: V1J5870.D BFB Injection Date: 04/29/2008

Instrument ID: V1 BFB Injection Time: 10:04

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.2
75	30.0 - 60.0% of mass 95	46.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	54.2
175	5.0 - 9.0% of mass 174	4.3 (7.9)1
176	95.0 - 101.0% of mass 174	52.0 (95.9)1
177	5.0 - 9.0% of mass 176	3.7 (7.2)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0501J	VSTD0501J	V1J5871.D	04/29/2008	10:35
02	VBLK1J	MB-36082	V1J5872.D	04/29/2008	11:45
03	V1JLCS	LCS-36082	V1J5873.D	04/29/2008	12:19
04	130173-MW-2-10-12	G0580-01B	V1J5884.D	04/29/2008	17:55

SW846

0015

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 04/24/2008 04/24/2008

EPA Sample No.(VSTD#####): VSTD0501J Date Analyzed: 04/29/2008

Lab File ID (Standard): V1J5871.D Time Analyzed: 10:35

Instrument ID: V1 Heated Purge: (Y/N) Y

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	1409306		5.894		908602		9.509		402778		12.444	
	UPPER LIMIT	2818612		6.394		1817204		10.009		805556		12.944	
	LOWER LIMIT	704653		5.394		454301		9.009		201389		11.944	
	SAMPLE NO.												
01	VBLK1J	1315192		5.890		856464		9.505		377743		12.440	
02	V1JLCS	1294901		5.899		887236		9.504		389986		12.439	
03	130173-MW-2-10-12	1317771		5.889		882970		9.504		381831		12.439	

IS1 () = Fluorobenzene

IS2 () = Chlorobenzene-d5

IS3 () = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5884.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. 4.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	6.1	
74-88-4	Iodomethane	5.2	U
75-15-0	Carbon disulfide	5.2	U
75-09-2	Methylene chloride	1.1	BJ
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
108-05-4	Vinyl acetate	5.2	U
78-93-3	2-Butanone	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
594-20-7	2,2-Dichloropropane	5.2	U
74-97-5	Bromochloromethane	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
563-58-6	1,1-Dichloropropene	5.2	U
56-23-5	Carbon tetrachloride	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
71-43-2	Benzene	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
74-95-3	Dibromomethane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	5.2	U
108-88-3	Toluene	5.2	U
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
142-28-9	1,3-Dichloropropane	5.2	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5884.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. 4.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	5.2	U
591-78-6	2-Hexanone	5.2	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
630-20-6	1,1,1,2-Tetrachloroethane	5.2	U
100-41-4	Ethylbenzene	5.2	U
1330-20-7	m,p-Xylene	5.2	U
95-47-6	o-Xylene	5.2	U
1330-20-7	Xylene (Total)	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
108-86-1	Bromobenzene	5.2	U
96-18-4	1,2,3-Trichloropropane	5.2	U
103-65-1	n-Propylbenzene	5.2	U
95-49-8	2-Chlorotoluene	5.2	U
108-67-8	1,3,5-Trimethylbenzene	5.2	U
106-43-4	4-Chlorotoluene	5.2	U
98-06-6	tert-Butylbenzene	5.2	U
95-63-6	1,2,4-Trimethylbenzene	5.2	U
135-98-8	sec-Butylbenzene	5.2	U
99-87-6	4-Isopropyltoluene	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
104-51-8	n-Butylbenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U
87-68-3	Hexachlorobutadiene	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	U
91-20-3	Naphthalene	5.2	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5884.D

Level: (TRACE or LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. 4.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

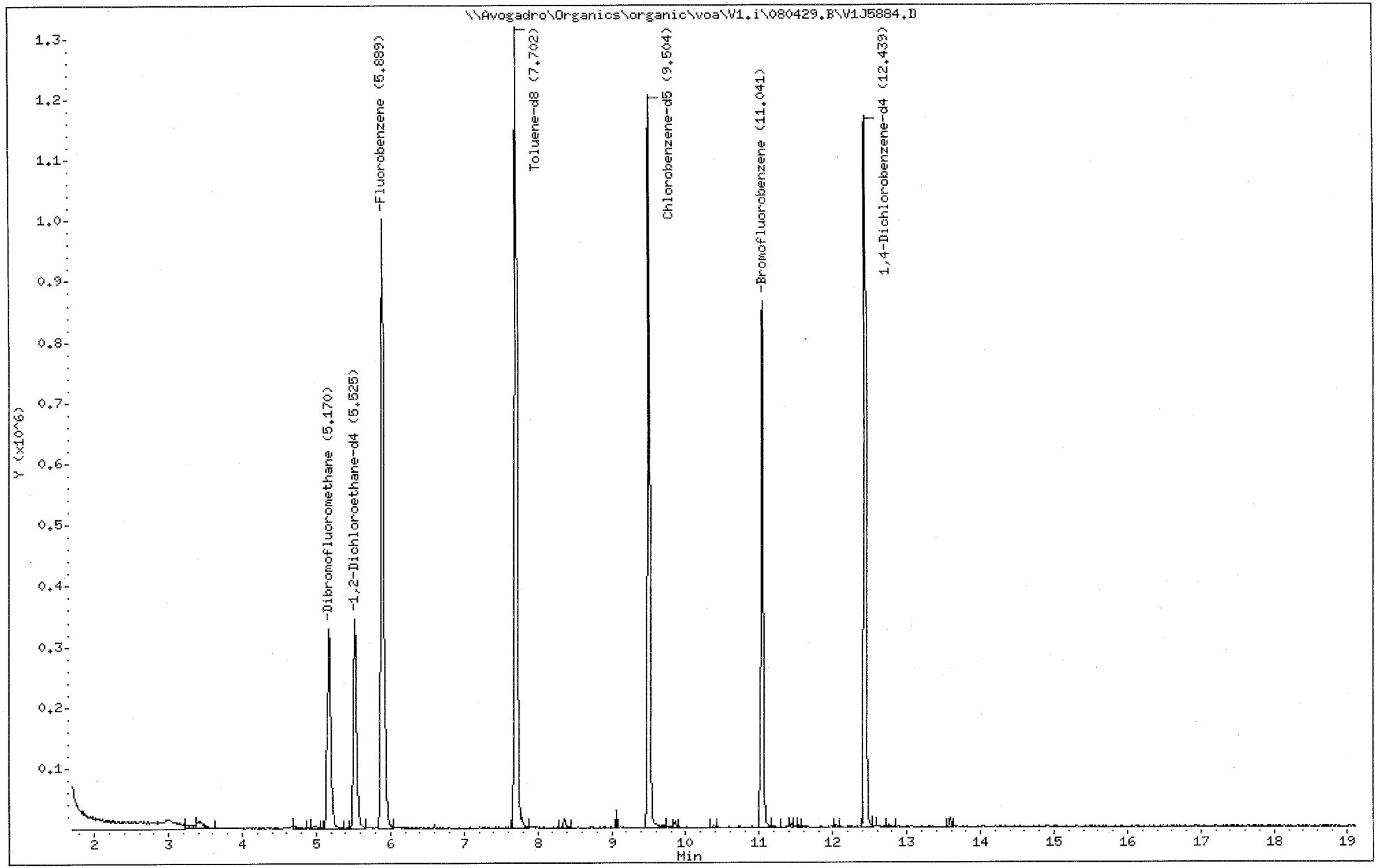
[1] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5884.D
Date : 29-APR-2008 17:55
Client ID: 130173-MW-2-10-12
Sample Info: 5G,G0580-01B,,36082

Instrument: V1.i

Operator: XD SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5884.D
Report Date: 08-May-2008 10:11

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5884.D
Lab Smp Id: G0580-01B Client Smp ID: 130173-MW-2-10-12
Inj Date : 29-APR-2008 17:55
Operator : XD SRC: LIMS Inst ID: V1.i
Smp Info : 5G,G0580-01B,,36082
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080429.B\v18260GH.m
Meth Date : 30-Apr-2008 14:24 im Quant Type: ISTD
Cal Date : 24-APR-2008 07:47 Cal File: V1J5676.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	4.000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
11 Acetone	58	2.993	2.988	(0.508)	5805	5.86627	6(Q)
16 Methylene Chloride	84	3.407	3.402	(0.579)	8296	1.06890	1(aQ)
$ 32 Dibromofluoromethane	113	5.170	5.175	(0.878)	342928	48.8194	51
$ 37 1,2-Dichloroethane-d4	102	5.524	5.520	(0.938)	92620	50.0597	52
* 41 Fluorobenzene	96	5.889	5.894	(1.000)	1317771	50.0000	
$ 51 Toluene-d8	98	7.701	7.706	(0.810)	1096275	51.8354	54
* 60 Chlorobenzene-d5	117	9.504	9.509	(1.000)	882970	50.0000	
$ 70 Bromofluorobenzene	95	11.030	11.045	(1.161)	400348	48.8493	51
* 84 1,4-Dichlorobenzene-d4	152	12.439	12.444	(1.000)	381831	50.0000	

lm 5/8/08

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5884.D
Report Date: 08-May-2008 10:11

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5884.D
Lab Smp Id: G0580-01B Client Smp ID: 130173-MW-2-10-12
Inj Date : 29-APR-2008 17:55
Operator : XD SRC: LIMS Inst ID: V1.i
Smp Info : 5G,G0580-01B,,36082
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080429.B\v18260GH.m
Meth Date : 30-Apr-2008 14:24 im Quant Type: ISTD
Cal Date : 24-APR-2008 07:47 Cal File: V1J5676.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5884.D

Date : 29-APR-2008 17:55

Client ID: 130173-MW-2-10-12

Instrument: V1.i

Sample Info: 5G,G0580-01B,,36082

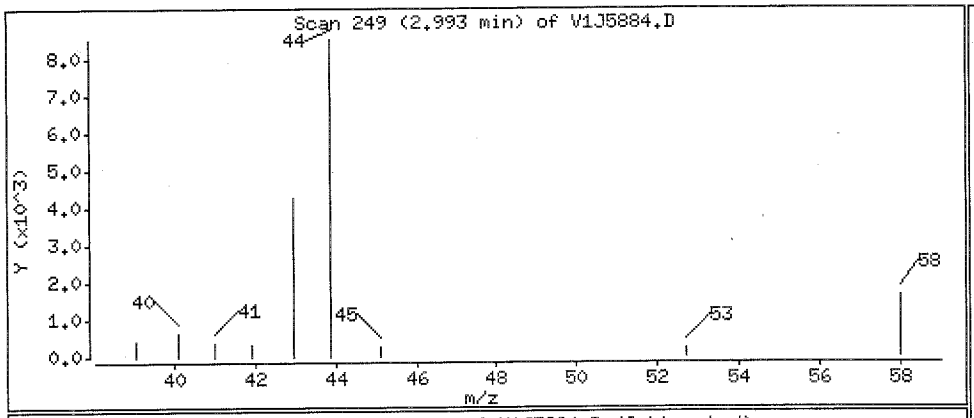
Operator: XD SRC: LIMS

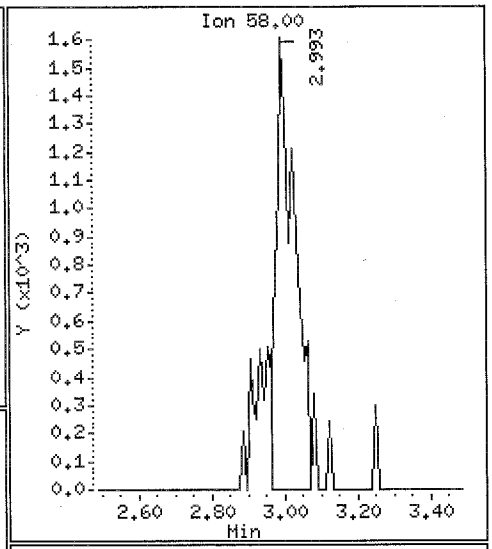
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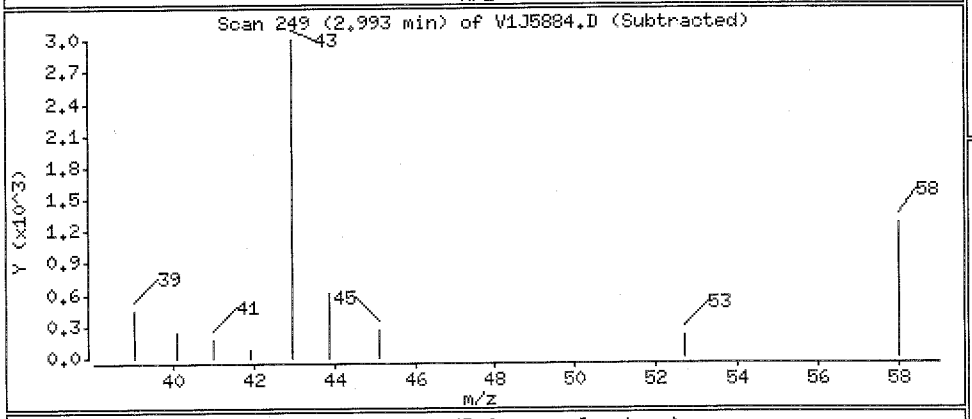
Column diameter: 0.25

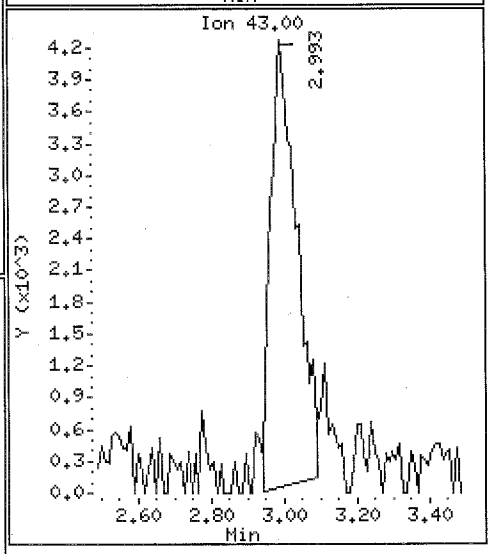
11 Acetone

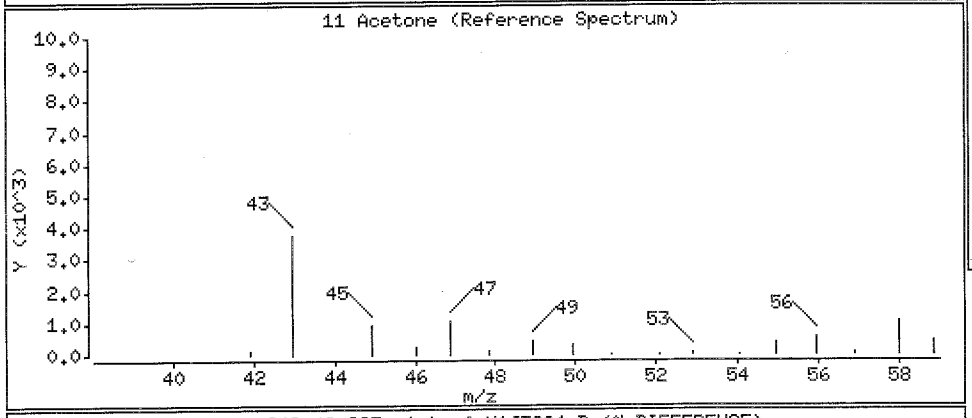
Concentration: 6 ug/Kg

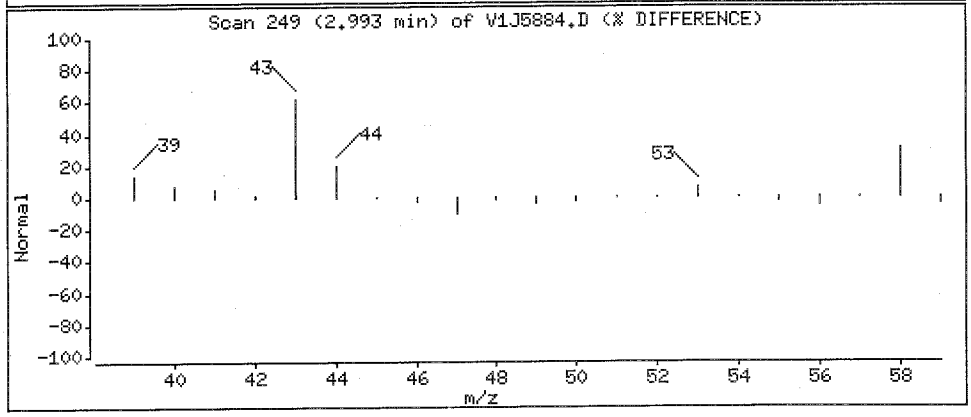












Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5884.D

Date : 29-APR-2008 17:55

Client ID: 130173-MW-2-10-12

Instrument: V1.i

Sample Info: 5G,G0580-01B,,36082

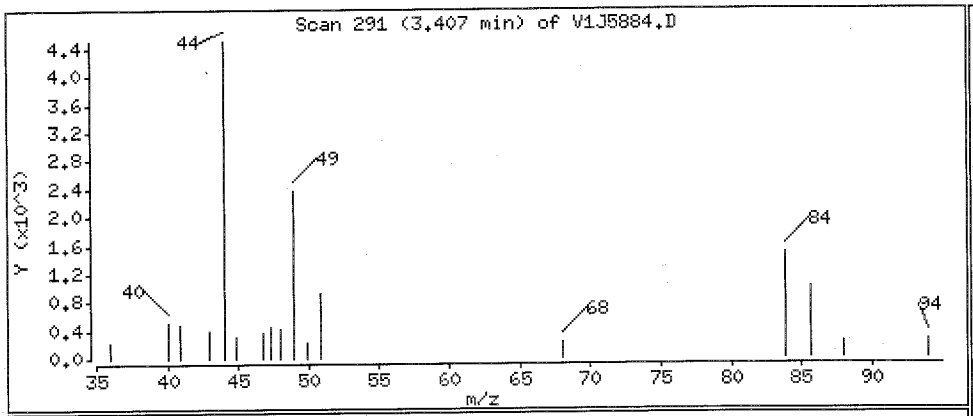
Operator: XD SRC: LIMS

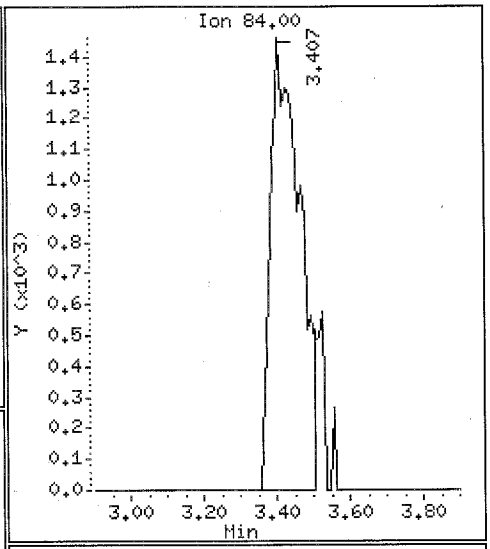
Column phase: DB-624

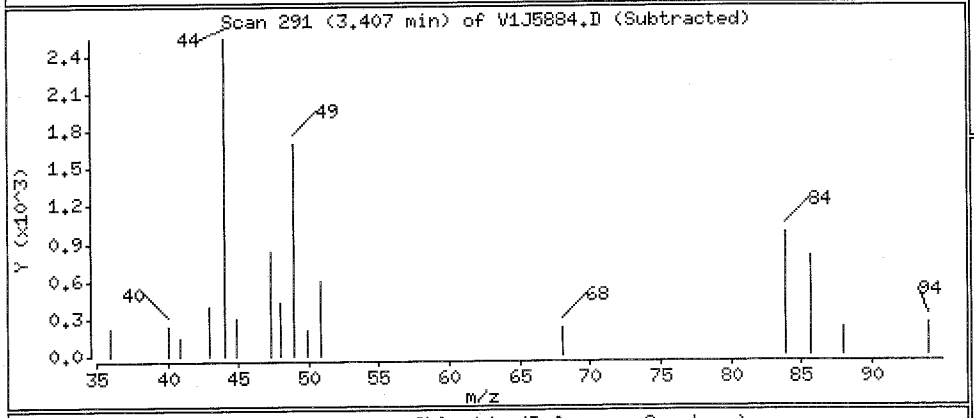
Column diameter: 0.25

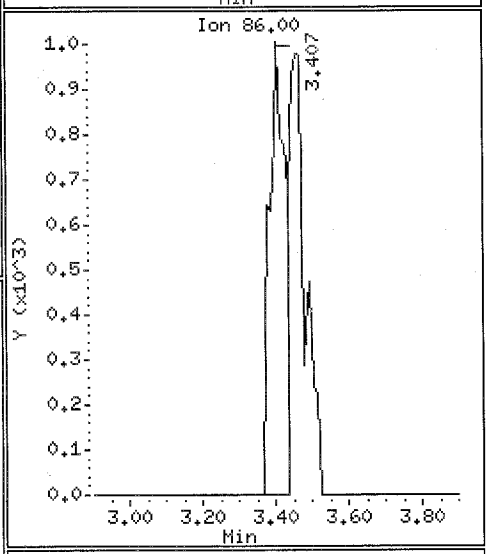
16 Methylene Chloride

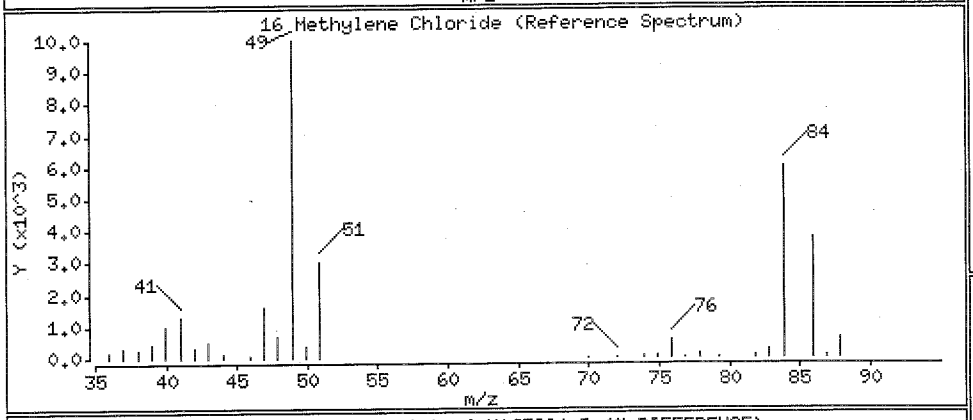
Concentration: 1 ug/Kg

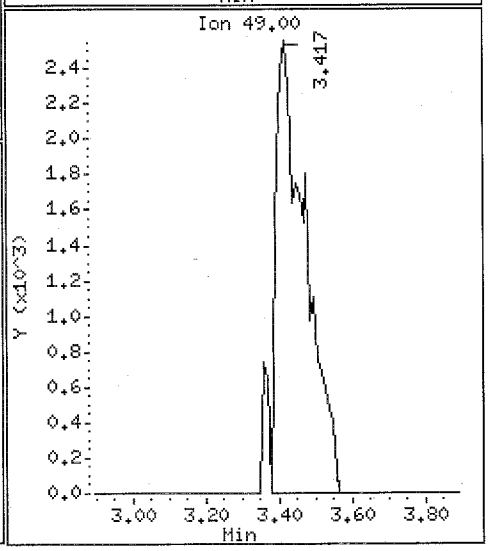


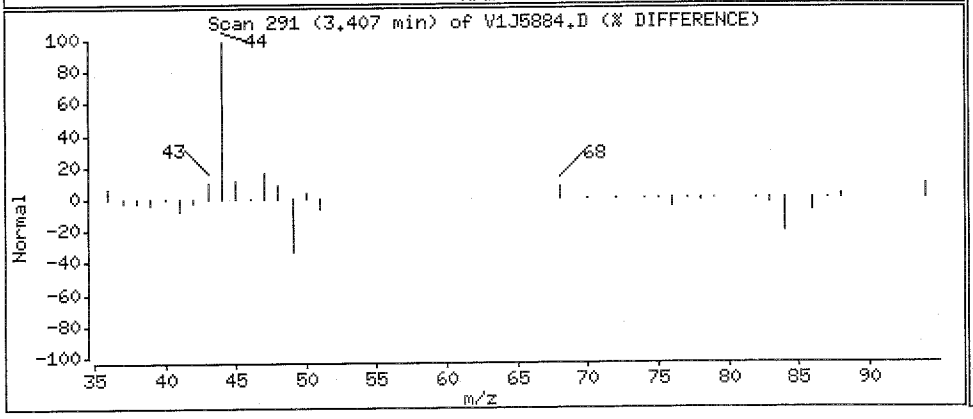












6A - FORM VI VOA-1

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: V1 Calibration Date(s): 04/24/2008 04/24/2008

Heated Purge: (Y/N) Y Calibration Time(s): 04:45 07:47

Purge Volume: 5.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

LAB FILE ID: RRF005 = V1J5673.D RRF020 = V1J5672.D

RRF050 = V1J5671.D RRF100 = V1J5676.D RRF200 = V1J5675.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.112	0.157	0.173	0.155	0.161	0.152	15.3
Chloromethane	0.260	0.286	0.288	0.254	0.264	0.270	5.7
Vinyl chloride	0.258	0.325	0.322	0.284	0.294	0.296	9.4
Bromomethane	0.176	0.179	0.171	0.149	0.128	0.160	13.5
Chloroethane	0.179	0.189	0.184	0.164	0.144	0.172	10.7
Trichlorofluoromethane	0.171	0.230	0.224	0.211	0.198	0.207	11.2
1,1-Dichloroethene	0.171	0.208	0.209	0.200	0.189	0.195	8.1
Acetone	0.052	0.032	0.037	0.035	0.032	0.038	21.9
Iodomethane	0.351	0.404	0.415	0.403	0.383	0.391	6.5
Carbon disulfide	0.782	0.934	0.933	0.893	0.855	0.880	7.2
Methylene chloride	0.311	0.308	0.294	0.286	0.274	0.294	5.2
trans-1,2-Dichloroethene	0.205	0.238	0.229	0.227	0.216	0.223	5.8
Methyl tert-butyl ether	0.765	0.764	0.786	0.815	0.768	0.780	2.8
1,1-Dichloroethane	0.499	0.549	0.542	0.522	0.506	0.524	4.2
Vinyl acetate	1.374	1.402	1.413	1.385	1.313	1.378	2.8
2-Butanone	0.045	0.040	0.040	0.041	0.040	0.041	5.2
cis-1,2-Dichloroethene	0.238	0.265	0.267	0.265	0.254	0.258	4.8
2,2-Dichloropropane	0.182	0.210	0.204	0.191	0.176	0.193	7.4
Bromochloromethane	0.110	0.141	0.138	0.140	0.133	0.132	9.8
Chloroform	0.384	0.422	0.427	0.418	0.405	0.411	4.1
1,1,1-Trichloroethane	0.231	0.260	0.262	0.253	0.245	0.250	5.1
1,1-Dichloropropene	0.100	0.098	0.106	0.101	0.099	0.101	3.0
Carbon tetrachloride	0.193	0.245	0.240	0.237	0.231	0.229	9.1
1,2-Dichloroethane	0.357	0.347	0.348	0.343	0.330	0.345	2.8
Benzene	0.972	1.052	1.054	1.034	0.989	1.021	3.7
Trichloroethene	0.202	0.231	0.235	0.233	0.229	0.226	6.0
1,2-Dichloropropane	0.297	0.319	0.328	0.320	0.306	0.314	3.9
Dibromomethane	0.144	0.161	0.161	0.163	0.160	0.158	5.0
Bromodichloromethane	0.323	0.340	0.349	0.351	0.343	0.341	3.2
cis-1,3-Dichloropropene	0.435	0.482	0.483	0.481	0.468	0.470	4.3
4-Methyl-2-pentanone	0.466	0.431	0.438	0.463	0.448	0.449	3.4
Toluene	0.938	0.954	0.944	0.915	0.887	0.927	2.9
trans-1,3-Dichloropropene	0.355	0.383	0.399	0.399	0.390	0.385	4.7
1,1,2-Trichloroethane	0.218	0.223	0.229	0.232	0.225	0.225	2.3
1,3-Dichloropropane	0.633	0.666	0.658	0.656	0.627	0.648	2.6
Tetrachloroethene	0.213	0.244	0.241	0.239	0.239	0.235	5.4
2-Hexanone	0.432	0.432	0.429	0.469	0.453	0.443	4.0
Dibromochloromethane	0.312	0.377	0.381	0.390	0.377	0.368	8.5
1,2-Dibromoethane	0.336	0.346	0.351	0.356	0.349	0.348	2.1

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

6B - FORM VI VOA-2

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: V1 Calibration Date(s): 04/24/2008 04/24/2008

Heated Purge: (Y/N) Y Calibration Time(s): 04:45 07:47

Purge Volume: 5.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

LAB FILE ID: RRF005 = V1J5673.D RRF020 = V1J5672.D

RRF050 = V1J5671.D RRF100 = V1J5676.D RRF200 = V1J5675.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	%RSD
Chlorobenzene	0.816	0.903	0.895	0.862	0.811	0.857	5.0
1,1,1,2-Tetrachloroethane	0.284	0.343	0.347	0.343	0.329	0.329	8.0
Ethylbenzene	0.392	0.434	0.446	0.430	0.413	0.423	5.0
m,p-Xylene	0.559	0.570	0.570	0.534	0.496	0.546	5.7
o-Xylene	0.530	0.562	0.560	0.532	0.504	0.537	4.5
Xylene (Total)	0.549	0.567	0.566	0.534	0.499	0.543	5.2
Styrene	0.877	0.958	0.977	0.931	0.883	0.925	4.8
Bromoform	0.207	0.217	0.232	0.239	0.229	0.225	5.6
Isopropylbenzene	1.035	1.193	1.217	1.172	1.118	1.147	6.3
1,1,2,2-Tetrachloroethane	1.096	1.118	1.081	1.082	1.064	1.088	1.9
Bromobenzene	0.736	0.800	0.798	0.758	0.758	0.770	3.6
1,2,3-Trichloropropane	1.342	1.290	1.286	1.308	1.287	1.303	1.8
n-Propylbenzene	0.758	0.814	0.808	0.775	0.766	0.784	3.2
2-Chlorotoluene	0.707	0.757	0.768	0.719	0.722	0.735	3.6
1,3,5-Trimethylbenzene	2.314	2.385	2.373	2.219	2.104	2.279	5.2
4-Chlorotoluene	0.663	0.754	0.753	0.690	0.681	0.708	6.0
tert-Butylbenzene	2.359	2.523	2.544	2.363	2.250	2.408	5.1
1,2,4-Trimethylbenzene	2.588	2.518	2.482	2.321	2.252	2.432	5.8
sec-Butylbenzene	2.933	3.242	3.268	3.084	2.964	3.098	5.0
4-Isopropyltoluene	2.241	2.456	2.502	2.356	2.298	2.370	4.6
1,3-Dichlorobenzene	1.344	1.396	1.430	1.353	1.352	1.375	2.7
1,4-Dichlorobenzene	1.433	1.420	1.464	1.400	1.359	1.415	2.8
n-Butylbenzene	2.261	2.301	2.393	2.188	2.102	2.249	4.9
1,2-Dichlorobenzene	1.303	1.373	1.385	1.321	1.276	1.332	3.5
1,2-Dibromo-3-chloropropane	0.157	0.150	0.158	0.161	0.162	0.158	3.1
1,2,4-Trichlorobenzene	0.663	0.625	0.706	0.647	0.653	0.659	4.5
Hexachlorobutadiene	0.292	0.334	0.378	0.372	0.351	0.345	10.0
1,2,3-Trichlorobenzene	0.664	0.618	0.656	0.645	0.618	0.640	3.3
Naphthalene	2.321	2.053	2.185	2.231	2.126	2.183	4.7

6C - FORM VI VOA-3

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: V1 Calibration Date(s): 04/24/2008 04/24/2008

Heated Purge: (Y/N) Y Calibration Time(s): 04:45 07:47

Purge Volume: 5.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

LAB FILE ID: RRF005 = V1J5673.D RRF020 = V1J5672.D

RRF050 = V1J5671.D RRF100 = V1J5676.D RRF200 = V1J5675.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	%RSD
Dibromofluoromethane	0.270	0.265	0.266	0.266	0.266	0.267	0.7
1,2-Dichloroethane-d4	0.071	0.069	0.070	0.076	0.065	0.070	5.5
Toluene-d8	1.191	1.210	1.186	1.184	1.217	1.198	1.3
Bromofluorobenzene	0.449	0.470	0.464	0.464	0.474	0.464	2.0

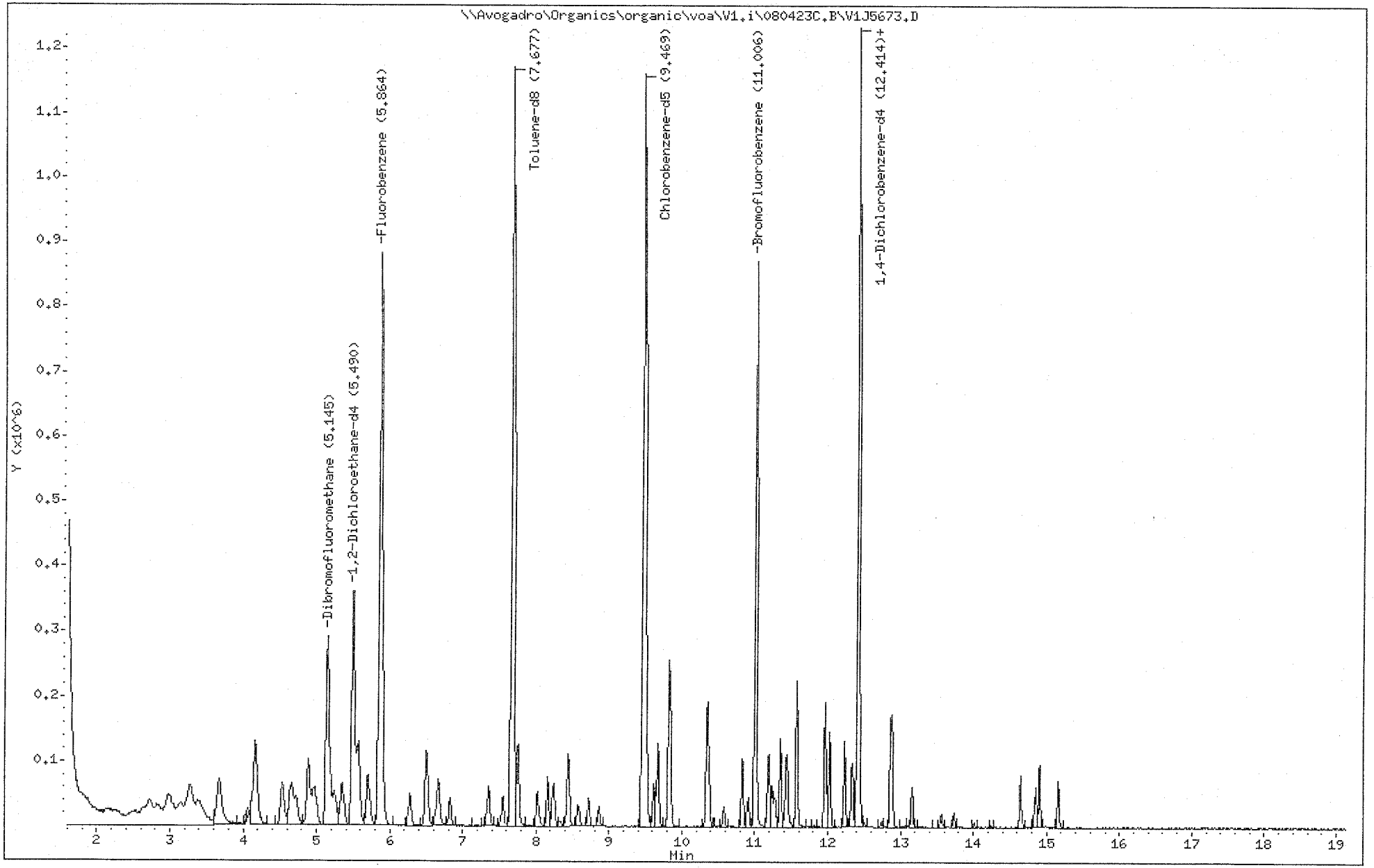
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only SW846

Data File: \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5673.D
Date : 24-APR-2008 05:46
Client ID: VSTD0051B
Sample Info: 5G,VSTD0051B,VSTD0051B

Instrument: V1.i

Operator: XD
Column diameter: 0.25

Column phase: DB-624



Data File: V1J5673.D
Report Date: 25-Apr-2008 13:35

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5673.D
Lab Smp Id: VSTD0051B Client Smp ID: VSTD0051B
Inj Date : 24-APR-2008 05:46
Operator : XD Inst ID: V1.i
Smp Info : 5G,VSTD0051B,VSTD0051B
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\v18260GH.m
Meth Date : 25-Apr-2008 12:02 hzhao Quant Type: ISTD
Cal Date : 24-APR-2008 05:46 Cal File: V1J5673.D
Als bottle: 39 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET108

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.717	1.701	(0.293)	12733	5.00000	4(a)
2	Chloromethane	50	1.707	1.711	(0.291)	29559	5.00000	5
3	Vinyl Chloride	62	1.806	1.829	(0.308)	29323	5.00000	4(a)
4	Bromomethane	94	2.170	2.145	(0.370)	20003	5.00000	5
5	Chloroethane	64	2.249	2.263	(0.384)	20387	5.00000	5
6	Trichlorofluoromethane	101	2.476	2.480	(0.422)	19519	5.00000	4(a)
127	Ethanol	46	2.643	2.657	(0.451)	32806	500.000	530
7	Ether	59	2.722	2.726	(0.464)	34654	5.00000	5
8	Acrolein	56	2.830	2.824	(0.483)	43937	25.0000	26
9	1,1-Dichloroethene	96	2.978	2.972	(0.508)	19426	5.00000	4(a)
10	1,1,2-Trichloro-1,2,2-trifluo	101	3.017	2.992	(0.515)	19159	5.00000	4(a)
11	Acetone	58	2.988	2.972	(0.510)	5883	5.00000	7
12	Iodomethane	142	3.126	3.120	(0.533)	39901	5.00000	4(a)
13	Carbon Disulfide	76	3.165	3.149	(0.540)	88961	5.00000	4(a)
14	Acetonitrile	40	3.244	3.238	(0.553)	42595	50.0000	48
15	Methyl Acetate	43	3.313	3.297	(0.565)	52415	5.00000	6
16	Methylene Chloride	84	3.392	3.386	(0.578)	35436	5.00000	5
17	tert-Butanol	59	3.539	3.524	(0.604)	13572	10.0000	10
18	Acrylonitrile	53	3.638	3.612	(0.620)	21105	5.00000	5
19	trans-1,2-Dichloroethene	96	3.667	3.662	(0.625)	23298	5.00000	4(a)

Data File: V1J5673.D
Report Date: 25-Apr-2008 13:35

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	20	Methyl tert-butyl ether	73	3.687	3.671	(0.629)	87057	5.00000	5
	21	1,1-Dichloroethane	63	4.071	4.065	(0.694)	56747	5.00000	5
	22	Vinyl acetate	43	4.160	4.144	(0.709)	156434	5.00000	5
	23	Diisopropyl Ether	45	4.160	4.164	(0.709)	157748	5.00000	5
	24	Ethyl tert-butyl ether	59	4.524	4.528	(0.772)	117609	5.00000	5
	25	cis-1,2-Dichloroethene	96	4.662	4.646	(0.795)	27095	5.00000	5
	26	2,2-Dichloropropane	77	4.652	4.646	(0.793)	20763	5.00000	5
	28	2-Butanone	72	4.672	4.676	(0.797)	5126	5.00000	5
	29	Bromochloromethane	128	4.899	4.893	(0.835)	12514	5.00000	4(a)
	30	Tetrahydrofuran	72	4.958	4.952	(0.845)	13900	10.0000	11
	31	Chloroform	83	4.987	4.981	(0.851)	43758	5.00000	5
$	32	Dibromofluoromethane	113	5.145	5.139	(0.877)	307097	50.0000	51
	33	1,1,1-Trichloroethane	97	5.174	5.168	(0.882)	26253	5.00000	5
M	27	1,2-dichloroethene, (Total)	100				50393	10.0000	9
	34	Cyclohexane	56	5.234	5.237	(0.893)	47610	5.00000	4(a)
	35	1,1-Dichloropropene	110	5.352	5.346	(0.913)	11375	5.00000	5
	36	Carbon Tetrachloride	117	5.342	5.356	(0.911)	22021	5.00000	4(a)
$	37	1,2-Dichloroethane-d4	102	5.499	5.494	(0.938)	80646	50.0000	50
	38	Benzene	78	5.568	5.562	(0.950)	110686	5.00000	5
	39	1,2-Dichloroethane	62	5.568	5.572	(0.950)	40612	5.00000	5
	40	tert-Amyl methyl ether	73	5.706	5.700	(0.973)	101336	5.00000	5
*	41	Fluorobenzene	96	5.864	5.858	(1.000)	1138299	50.0000	
	42	Trichloroethene	130	6.268	6.262	(1.069)	22989	5.00000	4(a)
	43	Methylcyclohexane	83	6.494	6.488	(1.107)	36186	5.00000	4(a)
	44	1,2-Dichloropropane	63	6.514	6.508	(1.111)	33760	5.00000	5
	46	Dibromomethane	93	6.642	6.636	(1.133)	16374	5.00000	4(a)
	47	1,4-Dioxane	88	6.672	6.666	(1.138)	9521	100.000	100
	48	Bromodichloromethane	83	6.819	6.823	(1.163)	36816	5.00000	5
	49	cis-1,3-Dichloropropene	75	7.351	7.345	(1.254)	49551	5.00000	5
	50	4-Methyl-2-pentanone	43	7.538	7.542	(1.286)	53069	5.00000	5
$	51	Toluene-d8	98	7.676	7.670	(0.811)	992294	50.0000	50
	45	2-Chloroethyl vinyl ether	63	7.755	7.749	(1.322)	9565	5.00000	5(T)
	52	Toluene	91	7.755	7.749	(1.322)	106717	5.00000	5
	53	trans-1,3-Dichloropropene	75	8.021	8.015	(1.368)	40445	5.00000	5
	54	1,1,2-Trichloroethane	97	8.238	8.232	(1.405)	24845	5.00000	5
	55	Tetrachloroethene	164	8.425	8.429	(0.890)	17717	5.00000	4(a)
	56	1,3-Dichloropropane	76	8.444	8.439	(0.892)	52727	5.00000	5
	57	2-Hexanone	43	8.573	8.567	(0.905)	36006	5.00000	5
	58	Dibromochloromethane	129	8.720	8.724	(0.921)	26015	5.00000	4(Ta)
	59	1,2-Dibromoethane	107	8.858	8.852	(0.936)	28018	5.00000	5
*	60	Chlorobenzene-d5	117	9.469	9.463	(1.000)	832945	50.0000	
	63	1-Chlorohexane	91	9.508	9.502	(1.004)	39817	5.00000	5
	61	Chlorobenzene	112	9.508	9.502	(1.004)	67940	5.00000	5
	62	1,1,1,2-Tetrachloroethane	131	9.617	9.621	(1.016)	23653	5.00000	4(a)
	64	Ethylbenzene	106	9.666	9.670	(1.021)	32621	5.00000	5
	65	m,p-Xylene	106	9.823	9.827	(1.037)	93189	10.0000	10
	66	o-Xylene	106	10.345	10.340	(1.093)	44108	5.00000	5
	67	Styrene	104	10.365	10.359	(1.095)	73089	5.00000	5
	68	Bromoform	173	10.572	10.576	(1.116)	17253	5.00000	5(T)
	69	Isopropylbenzene	105	10.828	10.832	(1.144)	86245	5.00000	4(a)
	126	trans-1,4-Dichloro-2-butene	75	10.907	10.901	(1.152)	13758	5.00000	5
$	70	Bromofluorobenzene	95	11.005	11.009	(1.162)	374103	50.0000	48
	72	Bromobenzene	156	11.183	11.187	(0.901)	26034	5.00000	5
	71	1,1,2,2-Tetrachloroethane	83	11.202	11.196	(0.902)	38766	5.00000	5

Data File: V1J5673.D
Report Date: 25-Apr-2008 13:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
73	1,2,3-Trichloropropane	75	11.242	11.236	(0.906)	47457	5.00000	6
74	n-Propylbenzene	120	11.350	11.354	(0.914)	26820	5.00000	5
75	2-Chlorotoluene	126	11.439	11.433	(0.921)	25016	5.00000	5
77	4-Chlorotoluene	126	11.567	11.571	(0.932)	23460	5.00000	5
76	1,3,5-Trimethylbenzene	105	11.577	11.581	(0.933)	81828	5.00000	5
78	tert-Butylbenzene	119	11.961	11.965	(0.964)	83448	5.00000	5
79	1,2,4-Trimethylbenzene	105	12.020	12.024	(0.968)	91551	5.00000	5
80	sec-Butylbenzene	105	12.227	12.231	(0.985)	103728	5.00000	5
82	1,3-Dichlorobenzene	146	12.335	12.329	(0.994)	47521	5.00000	5
83	4-Isopropyltoluene	119	12.404	12.408	(0.999)	79247	5.00000	5
* 84	1,4-Dichlorobenzene-d4	152	12.414	12.408	(1.000)	353685	50.0000	
85	1,4-Dichlorobenzene	146	12.443	12.437	(1.002)	50672	5.00000	5
M 81	Xylene (Total)	106				137297	15.0000	15
87	1,2-Dichlorobenzene	146	12.857	12.861	(1.036)	46093	5.00000	5
86	n-Butylbenzene	91	12.877	12.881	(1.037)	79959	5.00000	5
88	1,2-Dibromo-3-chloropropane	75	13.734	13.738	(1.106)	5552	5.00000	5
89	1,2,4-Trichlorobenzene	180	14.650	14.654	(1.180)	23441	5.00000	5
90	Hexachlorobutadiene	225	14.847	14.851	(1.196)	10321	5.00000	4(Ta)
91	Naphthalene	128	14.906	14.900	(1.201)	82099	5.00000	5
92	1,2,3-Trichlorobenzene	180	15.162	15.166	(1.221)	23478	5.00000	5

lm 4/25/08

QC Flag Legend

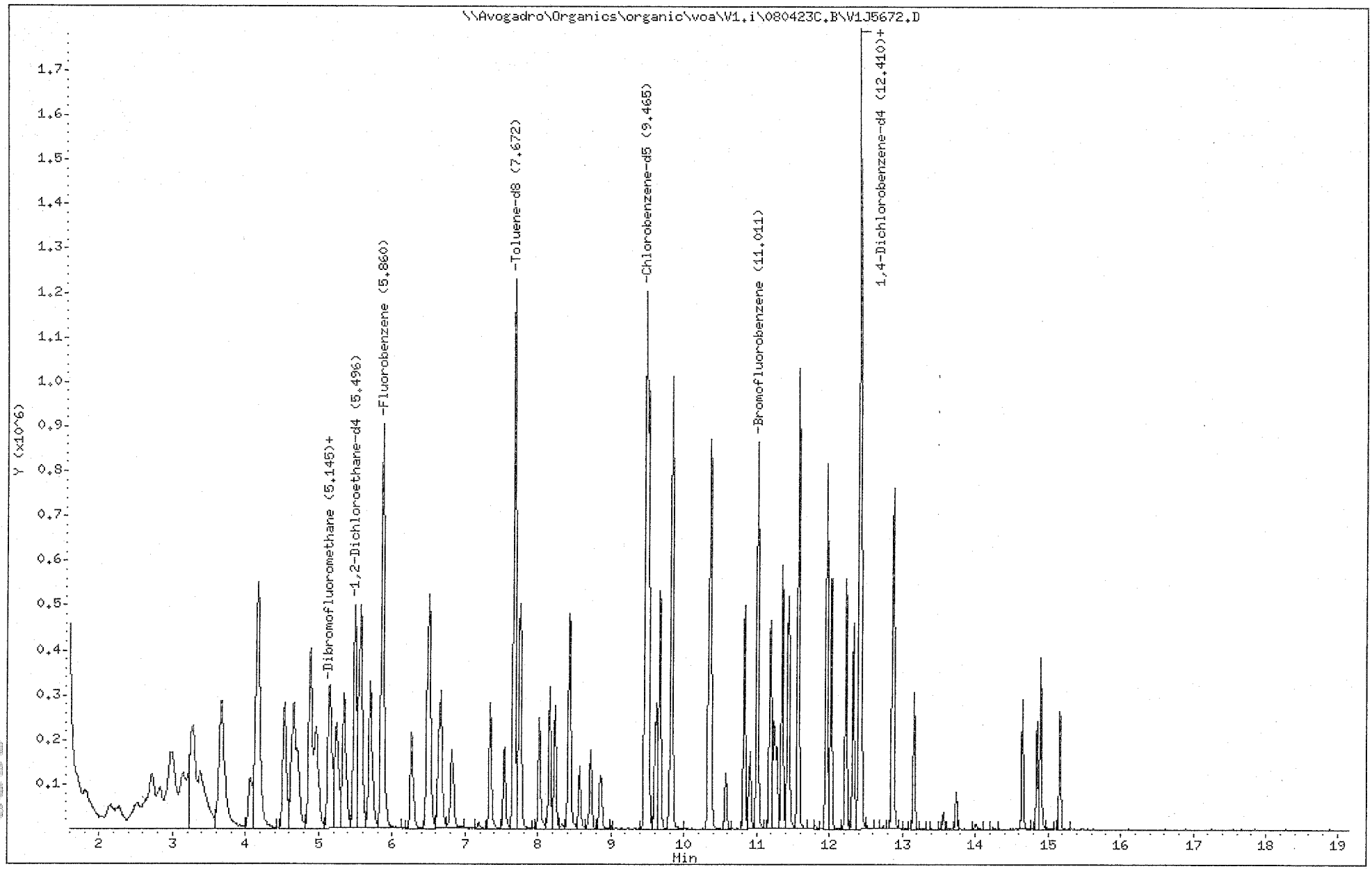
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

HZA

Data File: \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5672.D
Date : 24-APR-2008 05:15
Client ID: VSTD0201B
Sample Info: 5G,VSTD0201B,VSTD0201B

Instrument: V1.i

Operator: XD
Column phase: DB-624
Column diameter: 0.25



Data File: V1J5672.D
Report Date: 25-Apr-2008 13:35

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5672.D
Lab Smp Id: VSTD0201B Client Smp ID: VSTD0201B
Inj Date : 24-APR-2008 05:15
Operator : XD Inst ID: V1.i
Smp Info : 5G,VSTD0201B,VSTD0201B
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\v18260GH.m
Meth Date : 25-Apr-2008 12:02 hzhao Quant Type: ISTD
Cal Date : 24-APR-2008 05:15 Cal File: V1J5672.D
Als bottle: 38 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET108

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.713	1.701	(0.292)	73225	20.0000	21
2	Chloromethane	50	1.713	1.711	(0.292)	133248	20.0000	21
3	Vinyl Chloride	62	1.811	1.829	(0.309)	151492	20.0000	22
4	Bromomethane	94	2.136	2.145	(0.365)	83383	20.0000	22
5	Chloroethane	64	2.264	2.263	(0.386)	87987	20.0000	22
6	Trichlorofluoromethane	101	2.481	2.480	(0.423)	107240	20.0000	22
127	Ethanol	46	2.658	2.657	(0.454)	126651	2000.00	2000
7	Ether	59	2.727	2.726	(0.465)	134938	20.0000	20
8	Acrolein	56	2.826	2.824	(0.482)	170052	100.000	99
9	1,1-Dichloroethene	96	2.964	2.972	(0.506)	96949	20.0000	21
10	1,1,2-Trichloro-1,2,2-trifluo	101	2.993	2.992	(0.511)	106030	20.0000	22
11	Acetone	58	2.983	2.972	(0.509)	14883	20.0000	17
12	Iodomethane	142	3.131	3.120	(0.534)	188461	20.0000	21
13	Carbon Disulfide	76	3.151	3.149	(0.538)	435802	20.0000	21
14	Acetonitrile	40	3.259	3.238	(0.556)	177833	200.000	200
15	Methyl Acetate	43	3.308	3.297	(0.565)	176190	20.0000	19
16	Methylene Chloride	84	3.377	3.386	(0.576)	143515	20.0000	21
17	tert-Butanol	59	3.525	3.524	(0.602)	55189	40.0000	41
18	Acrylonitrile	53	3.614	3.612	(0.617)	80484	20.0000	20
19	trans-1,2-Dichloroethene	96	3.663	3.662	(0.625)	111086	20.0000	21

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	20 Methyl tert-butyl ether	73	3.673	3.671	(0.627)	356534	20.0000	20
	21 1,1-Dichloroethane	63	4.067	4.065	(0.694)	255949	20.0000	21
	22 Vinyl acetate	43	4.146	4.144	(0.708)	654347	20.0000	20
	23 Diisopropyl Ether	45	4.165	4.164	(0.711)	668900	20.0000	21
	24 Ethyl tert-butyl ether	59	4.530	4.528	(0.773)	530214	20.0000	21
	25 cis-1,2-Dichloroethene	96	4.648	4.646	(0.793)	123491	20.0000	20
	26 2,2-Dichloropropane	77	4.648	4.646	(0.793)	98158	20.0000	22
	28 2-Butanone	72	4.678	4.676	(0.798)	18737	20.0000	19
	29 Bromochloromethane	128	4.894	4.893	(0.835)	65767	20.0000	21
	30 Tetrahydrofuran	72	4.953	4.952	(0.845)	47225	40.0000	38
	31 Chloroform	83	4.983	4.981	(0.850)	196773	20.0000	20
$	32 Dibromofluoromethane	113	5.140	5.139	(0.877)	308757	50.0000	50
	33 1,1,1-Trichloroethane	97	5.180	5.168	(0.884)	121496	20.0000	21
M	27 1,2-dichloroethene, (Total)	100				234577	40.0000	42
	34 Cyclohexane	56	5.239	5.237	(0.894)	232517	20.0000	21
	35 1,1-Dichloropropene	110	5.347	5.346	(0.913)	45846	20.0000	19
	36 Carbon Tetrachloride	117	5.347	5.356	(0.913)	114489	20.0000	21
$	37 1,2-Dichloroethane-d4	102	5.495	5.494	(0.938)	80500	50.0000	49
	38 Benzene	78	5.564	5.562	(0.950)	490897	20.0000	21
	39 1,2-Dichloroethane	62	5.574	5.572	(0.951)	161677	20.0000	20
	40 tert-Amyl methyl ether	73	5.702	5.700	(0.973)	419846	20.0000	20
*	41 Fluorobenzene	96	5.859	5.858	(1.000)	1166452	50.0000	
	42 Trichloroethene	130	6.263	6.262	(1.069)	107703	20.0000	20
	43 Methylcyclohexane	83	6.490	6.488	(1.108)	185297	20.0000	21
	44 1,2-Dichloropropane	63	6.510	6.508	(1.111)	148654	20.0000	20
	46 Dibromomethane	93	6.628	6.636	(1.131)	74995	20.0000	20
	47 1,4-Dioxane	88	6.667	6.666	(1.138)	34616	400.000	370
	48 Bromodichloromethane	83	6.815	6.823	(1.163)	158856	20.0000	20
	49 cis-1,3-Dichloropropene	75	7.347	7.345	(1.254)	224940	20.0000	20
	50 4-Methyl-2-pentanone	43	7.544	7.542	(1.287)	201094	20.0000	19
$	51 Toluene-d8	98	7.672	7.670	(0.811)	1006735	50.0000	50
	45 2-Chloroethyl vinyl ether	63	7.751	7.749	(1.323)	37424	20.0000	20(T)
	52 Toluene	91	7.751	7.749	(1.323)	444950	20.0000	20
	53 trans-1,3-Dichloropropene	75	8.017	8.015	(1.368)	178870	20.0000	20
	54 1,1,2-Trichloroethane	97	8.233	8.232	(1.405)	104176	20.0000	20
	55 Tetrachloroethene	164	8.420	8.429	(0.890)	81062	20.0000	21
	56 1,3-Dichloropropane	76	8.440	8.439	(0.892)	221505	20.0000	20
	57 2-Hexanone	43	8.568	8.567	(0.905)	143611	20.0000	19
	58 Dibromochloromethane	129	8.726	8.724	(0.922)	125412	20.0000	20
	59 1,2-Dibromoethane	107	8.854	8.852	(0.935)	115072	20.0000	20
*	60 Chlorobenzene-d5	117	9.464	9.463	(1.000)	831687	50.0000	
	63 1-Chlorohexane	91	9.504	9.502	(1.004)	179991	20.0000	21
	61 Chlorobenzene	112	9.504	9.502	(1.004)	300405	20.0000	21
	62 1,1,1,2-Tetrachloroethane	131	9.612	9.621	(1.016)	114233	20.0000	21
	64 Ethylbenzene	106	9.661	9.670	(1.021)	144508	20.0000	20
	65 m,p-Xylene	106	9.829	9.827	(1.039)	378950	40.0000	42
	66 o-Xylene	106	10.341	10.340	(1.093)	186959	20.0000	21
	67 Styrene	104	10.361	10.359	(1.095)	318584	20.0000	21
	68 Bromoform	173	10.577	10.576	(1.118)	72355	20.0000	19
	69 Isopropylbenzene	105	10.834	10.832	(1.145)	396727	20.0000	21
	126 trans-1,4-Dichloro-2-butene	75	10.902	10.901	(1.152)	56389	20.0000	20
$	70 Bromofluorobenzene	95	11.011	11.009	(1.163)	391078	50.0000	51
	72 Bromobenzene	156	11.178	11.187	(0.901)	116409	20.0000	21
	71 1,1,2,2-Tetrachloroethane	83	11.198	11.196	(0.902)	162582	20.0000	20

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Report Date: 25-Apr-2008 13:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	73 1,2,3-Trichloropropane	75	11.237	11.236	(0.906)	187624	20.0000	24
	74 n-Propylbenzene	120	11.346	11.354	(0.914)	118452	20.0000	21
	75 2-Chlorotoluene	126	11.434	11.433	(0.921)	110101	20.0000	21
	77 4-Chlorotoluene	126	11.572	11.571	(0.933)	109652	20.0000	21
	76 1,3,5-Trimethylbenzene	105	11.572	11.581	(0.933)	346933	20.0000	21
	78 tert-Butylbenzene	119	11.966	11.965	(0.964)	367042	20.0000	21
	79 1,2,4-Trimethylbenzene	105	12.025	12.024	(0.969)	366394	20.0000	21
	80 sec-Butylbenzene	105	12.222	12.231	(0.985)	471601	20.0000	21
	82 1,3-Dichlorobenzene	146	12.331	12.329	(0.994)	203157	20.0000	20
	83 4-Isopropyltoluene	119	12.409	12.408	(1.000)	357327	20.0000	21
*	84 1,4-Dichlorobenzene-d4	152	12.409	12.408	(1.000)	363711	50.0000	
	85 1,4-Dichlorobenzene	146	12.439	12.437	(1.002)	206578	20.0000	20
M	81 Xylene (Total)	106				565909	60.0000	63
	87 1,2-Dichlorobenzene	146	12.863	12.861	(1.037)	199812	20.0000	21
	86 n-Butylbenzene	91	12.882	12.881	(1.038)	334687	20.0000	20
	88 1,2-Dibromo-3-chloropropane	75	13.729	13.738	(1.106)	21799	20.0000	19
	89 1,2,4-Trichlorobenzene	180	14.645	14.654	(1.180)	90953	20.0000	19
	90 Hexachlorobutadiene	225	14.852	14.851	(1.197)	48602	20.0000	19
	91 Naphthalene	128	14.901	14.900	(1.201)	298653	20.0000	19
	92 1,2,3-Trichlorobenzene	180	15.167	15.166	(1.222)	89908	20.0000	19

imm 125108

QC Flag Legend

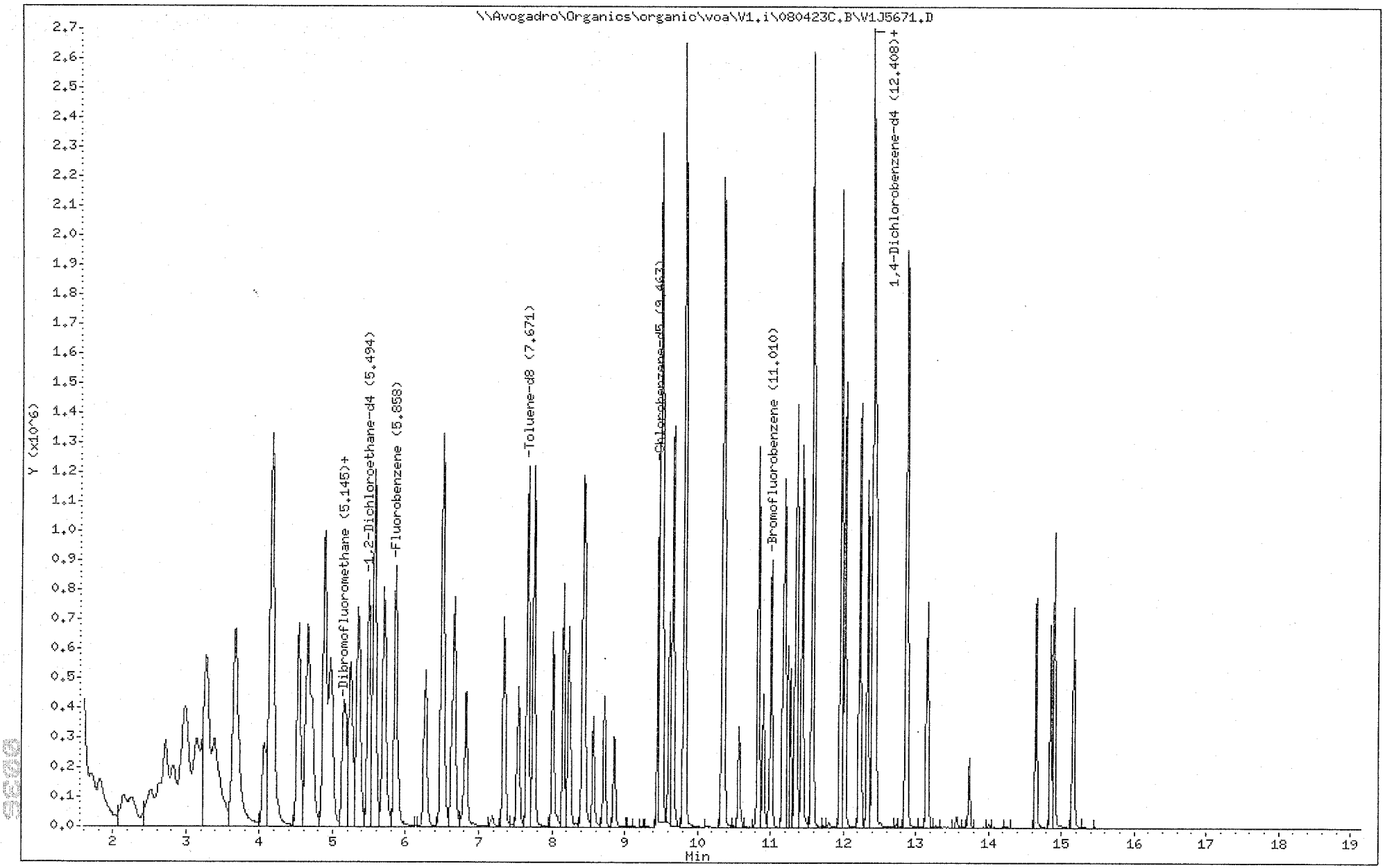
T - Target compound detected outside RT window.

HZA

Data File: \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5671.D
Date : 24-APR-2008 04:45
Client ID: VSTD0501B
Sample Info: 5C,VSTD0501B,VSTD0501B

Instrument: V1.i

Operator: XD
Column phase: DB-624
Column diameter: 0.25



Data File: V1J5671.D
Report Date: 25-Apr-2008 13:35

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5671.D
Lab Smp Id: VSTD0501B Client Smp ID: VSTD0501B
Inj Date : 24-APR-2008 04:45
Operator : XD Inst ID: V1.i
Smp Info : 5G,VSTD0501B,VSTD0501B
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\v18260GH.m
Meth Date : 25-Apr-2008 12:02 hzhao Quant Type: ISTD
Cal Date : 24-APR-2008 04:45 Cal File: V1J5671.D
Als bottle: 37 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET108

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.701	1.701	(0.291)	199585	50.0000	57
2 Chloromethane	50	1.711	1.711	(0.292)	332538	50.0000	53
3 Vinyl Chloride	62	1.829	1.829	(0.312)	372073	50.0000	54
4 Bromomethane	94	2.145	2.145	(0.366)	197657	50.0000	53
5 Chloroethane	64	2.263	2.263	(0.386)	213068	50.0000	54
6 Trichlorofluoromethane	101	2.480	2.480	(0.423)	259051	50.0000	54
127 Ethanol	46	2.657	2.657	(0.454)	315083	5000.00	5000
7 Ether	59	2.726	2.726	(0.465)	334444	50.0000	50
8 Acrolein	56	2.824	2.824	(0.482)	432037	250.000	250
9 1,1-Dichloroethene	96	2.972	2.972	(0.507)	241468	50.0000	53
10 1,1,2-Trichloro-1,2,2-trifluo	101	2.992	2.992	(0.511)	255737	50.0000	53
11 Acetone	58	2.972	2.972	(0.507)	42811	50.0000	49
12 Iodomethane	142	3.120	3.120	(0.533)	479880	50.0000	53
13 Carbon Disulfide	76	3.149	3.149	(0.538)	1078852	50.0000	53
14 Acetonitrile	40	3.238	3.238	(0.553)	455970	500.000	510
15 Methyl Acetate	43	3.297	3.297	(0.563)	462791	50.0000	50
16 Methylene Chloride	84	3.386	3.386	(0.578)	339541	50.0000	50
17 tert-Butanol	59	3.524	3.524	(0.602)	127836	100.000	97
18 Acrylonitrile	53	3.612	3.612	(0.617)	194302	50.0000	49
19 trans-1,2-Dichloroethene	96	3.662	3.662	(0.625)	264605	50.0000	51

Data File: V1J5671.D
Report Date: 25-Apr-2008 13:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	20 Methyl tert-butyl ether	73	3.671	3.671	(0.627)	908952	50.0000	50
	21 1,1-Dichloroethane	63	4.065	4.065	(0.694)	627031	50.0000	52
	22 Vinyl acetate	43	4.144	4.144	(0.707)	1633204	50.0000	51
	23 Diisopropyl Ether	45	4.164	4.164	(0.711)	1644842	50.0000	51
	24 Ethyl tert-butyl ether	59	4.528	4.528	(0.773)	1293052	50.0000	51
	25 cis-1,2-Dichloroethene	96	4.646	4.646	(0.793)	309148	50.0000	52
	26 2,2-Dichloropropane	77	4.646	4.646	(0.793)	235903	50.0000	53
	28 2-Butanone	72	4.676	4.676	(0.798)	46379	50.0000	48
	29 Bromochloromethane	128	4.893	4.893	(0.835)	159301	50.0000	52
	30 Tetrahydrofuran	72	4.952	4.952	(0.845)	116295	100.000	94
	31 Chloroform	83	4.981	4.981	(0.850)	493151	50.0000	52
$	32 Dibromofluoromethane	113	5.139	5.139	(0.877)	307685	50.0000	50
	33 1,1,1-Trichloroethane	97	5.168	5.168	(0.882)	303161	50.0000	52
M	27 1,2-dichloroethene, (Total)	100				573753	100.000	100
	34 Cyclohexane	56	5.237	5.237	(0.894)	572458	50.0000	52
	35 1,1-Dichloropropene	110	5.346	5.346	(0.913)	122406	50.0000	52
	36 Carbon Tetrachloride	117	5.356	5.356	(0.914)	277560	50.0000	52
$	37 1,2-Dichloroethane-d4	102	5.494	5.494	(0.938)	80808	50.0000	50
	38 Benzene	78	5.562	5.562	(0.950)	1218942	50.0000	52
	39 1,2-Dichloroethane	62	5.572	5.572	(0.951)	402110	50.0000	50
	40 tert-Amyl methyl ether	73	5.700	5.700	(0.973)	1037995	50.0000	50
*	41 Fluorobenzene	96	5.858	5.858	(1.000)	1156009	50.0000	
	42 Trichloroethene	130	6.262	6.262	(1.069)	272183	50.0000	52
	43 Methylcyclohexane	83	6.488	6.488	(1.108)	460320	50.0000	53
	44 1,2-Dichloropropane	63	6.508	6.508	(1.111)	378830	50.0000	52
	46 Dibromomethane	93	6.636	6.636	(1.133)	186138	50.0000	51
	47 1,4-Dioxane	88	6.666	6.666	(1.138)	88529	1000.00	960
	48 Bromodichloromethane	83	6.823	6.823	(1.165)	403885	50.0000	51
	49 cis-1,3-Dichloropropene	75	7.345	7.345	(1.254)	558197	50.0000	51
	50 4-Methyl-2-pentanone	43	7.542	7.542	(1.287)	506291	50.0000	49
$	51 Toluene-d8	98	7.670	7.670	(0.811)	996969	50.0000	49
	45 2-Chloroethyl vinyl ether	63	7.749	7.749	(1.323)	93162	50.0000	50(T)
	52 Toluene	91	7.749	7.749	(1.323)	1090981	50.0000	51
	53 trans-1,3-Dichloropropene	75	8.015	8.015	(1.368)	461503	50.0000	52
	54 1,1,2-Trichloroethane	97	8.232	8.232	(1.405)	264679	50.0000	51
	55 Tetrachloroethene	164	8.429	8.429	(0.891)	202522	50.0000	51
	56 1,3-Dichloropropane	76	8.439	8.439	(0.892)	553586	50.0000	51
	57 2-Hexanone	43	8.567	8.567	(0.905)	360544	50.0000	48
	58 Dibromochloromethane	129	8.724	8.724	(0.922)	320719	50.0000	52
	59 1,2-Dibromoethane	107	8.852	8.852	(0.935)	294898	50.0000	50
*	60 Chlorobenzene-d5	117	9.463	9.463	(1.000)	840939	50.0000	
	63 1-Chlorohexane	91	9.502	9.502	(1.004)	441514	50.0000	52
	61 Chlorobenzene	112	9.502	9.502	(1.004)	752532	50.0000	52
	62 1,1,1,2-Tetrachloroethane	131	9.621	9.621	(1.017)	291670	50.0000	53
	64 Ethylbenzene	106	9.670	9.670	(1.022)	374917	50.0000	53
	65 m,p-Xylene	106	9.827	9.827	(1.039)	958021	100.000	100
	66 o-Xylene	106	10.340	10.340	(1.093)	470947	50.0000	52
	67 Styrene	104	10.359	10.359	(1.095)	821293	50.0000	53
	68 Bromoform	173	10.576	10.576	(1.118)	195077	50.0000	52
	69 Isopropylbenzene	105	10.832	10.832	(1.145)	1023686	50.0000	53
	126 trans-1,4-Dichloro-2-butene	75	10.901	10.901	(1.152)	142098	50.0000	49
$	70 Bromofluorobenzene	95	11.009	11.009	(1.163)	390025	50.0000	50
	72 Bromobenzene	156	11.187	11.187	(0.902)	296899	50.0000	52
	71 1,1,2,2-Tetrachloroethane	83	11.196	11.196	(0.902)	401888	50.0000	50

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	73 1,2,3-Trichloropropane	75	11.236	11.236	(0.906)	478415	50.0000	56
	74 n-Propylbenzene	120	11.354	11.354	(0.915)	300410	50.0000	52
	75 2-Chlorotoluene	126	11.433	11.433	(0.921)	285642	50.0000	52
	77 4-Chlorotoluene	126	11.571	11.571	(0.933)	280052	50.0000	53
	76 1,3,5-Trimethylbenzene	105	11.581	11.581	(0.933)	882457	50.0000	52
	78 tert-Butylbenzene	119	11.965	11.965	(0.964)	946280	50.0000	53
	79 1,2,4-Trimethylbenzene	105	12.024	12.024	(0.969)	923209	50.0000	51
	80 sec-Butylbenzene	105	12.231	12.231	(0.986)	1215329	50.0000	53
	82 1,3-Dichlorobenzene	146	12.329	12.329	(0.994)	531895	50.0000	52
	83 4-Isopropyltoluene	119	12.408	12.408	(1.000)	930356	50.0000	53
*	84 1,4-Dichlorobenzene-d4	152	12.408	12.408	(1.000)	371902	50.0000	
	85 1,4-Dichlorobenzene	146	12.437	12.437	(1.002)	544599	50.0000	52
M	81 Xylene (Total)	106				1428968	150.000	160
	87 1,2-Dichlorobenzene	146	12.861	12.861	(1.037)	515116	50.0000	52
	86 n-Butylbenzene	91	12.881	12.881	(1.038)	890113	50.0000	53
	88 1,2-Dibromo-3-chloropropane	75	13.738	13.738	(1.107)	58637	50.0000	50
	89 1,2,4-Trichlorobenzene	180	14.654	14.654	(1.181)	262565	50.0000	54
	90 Hexachlorobutadiene	225	14.851	14.851	(1.197)	140616	50.0000	55
	91 Naphthalene	128	14.900	14.900	(1.201)	812673	50.0000	50
	92 1,2,3-Trichlorobenzene	180	15.166	15.166	(1.222)	243872	50.0000	51

lm 4/25/08

QC Flag Legend

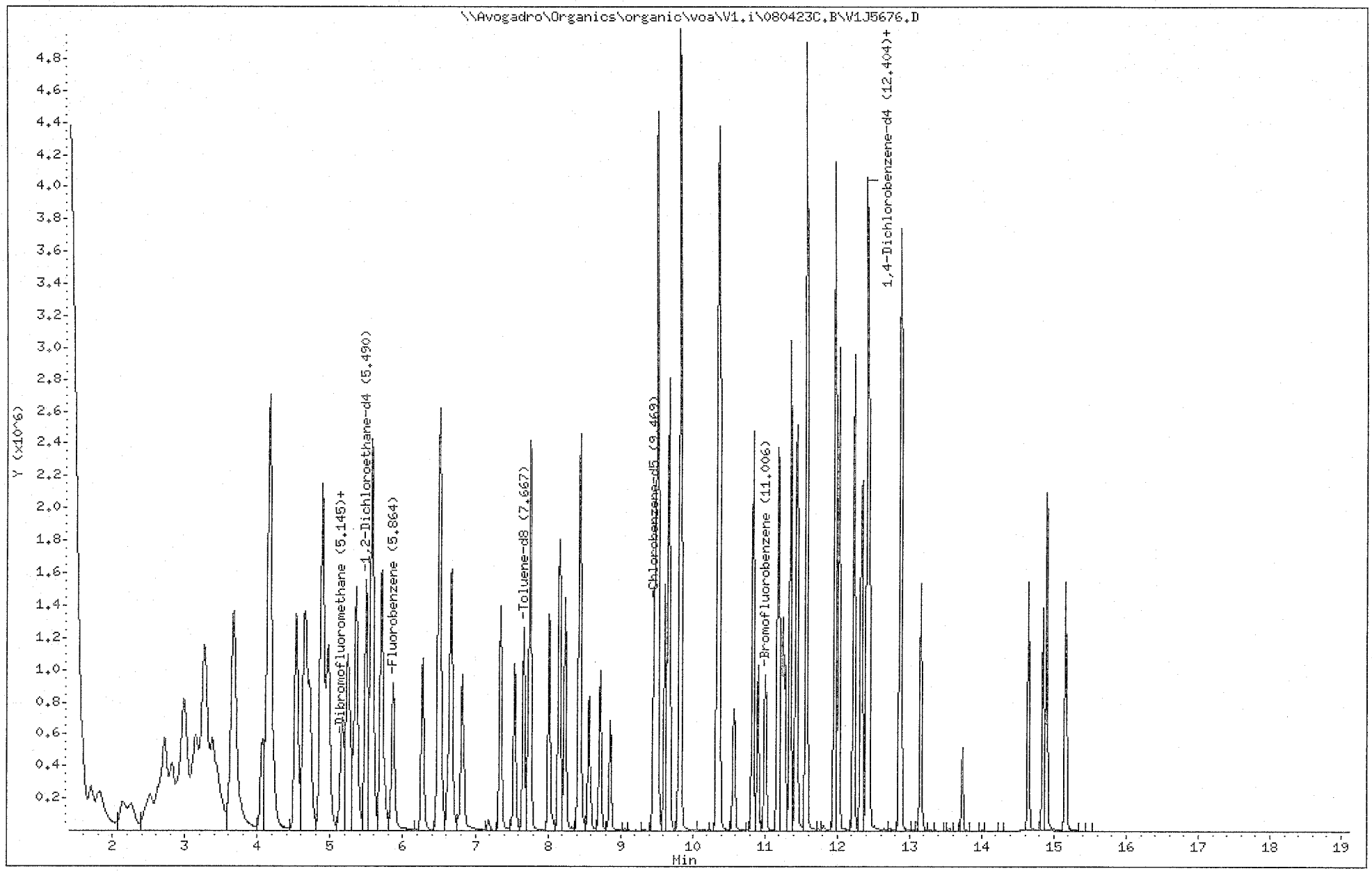
T - Target compound detected outside RT window.

HZA

Data File: \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5676.D
Date : 24-APR-2008 07:47
Client ID: VSTD1001B
Sample Info: 5G,VSTD1001B,VSTD1001B

Instrument: V1.i

Operator: XD
Column phase: DB-624
Column diameter: 0.25



Data File: V1J5676.D
Report Date: 25-Apr-2008 13:36

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5676.D
Lab Smp Id: VSTD1001B Client Smp ID: VSTD1001B
Inj Date : 24-APR-2008 07:47
Operator : XD Inst ID: V1.i
Smp Info : 5G,VSTD1001B,VSTD1001B
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\v18260GH.m
Meth Date : 25-Apr-2008 12:02 hzhao Quant Type: ISTD
Cal Date : 24-APR-2008 07:47 Cal File: V1J5676.D
Als bottle: 43 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET108

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.707	1.701	(0.291)	373870	100.000	100
2	Chloromethane	50	1.707	1.711	(0.291)	614274	100.000	94
3	Vinyl Chloride	62	1.835	1.829	(0.313)	686784	100.000	96
4	Bromomethane	94	2.131	2.145	(0.363)	360307	100.000	93
5	Chloroethane	64	2.259	2.263	(0.385)	395139	100.000	95
6	Trichlorofluoromethane	101	2.466	2.480	(0.421)	509012	100.000	100
127	Ethanol	46	2.643	2.657	(0.451)	669937	10000.0	10000
7	Ether	59	2.722	2.726	(0.464)	687290	100.000	100
8	Acrolein	56	2.830	2.824	(0.483)	891975	500.000	500
9	1,1-Dichloroethene	96	2.968	2.972	(0.506)	483703	100.000	100
10	1,1,2-Trichloro-1,2,2-trifluo	101	2.988	2.992	(0.510)	526155	100.000	100
11	Acetone	58	2.968	2.972	(0.506)	85214	100.000	94
12	Iodomethane	142	3.116	3.120	(0.531)	973808	100.000	100
13	Carbon Disulfide	76	3.155	3.149	(0.538)	2157066	100.000	100
14	Acetonitrile	40	3.244	3.238	(0.553)	987128	1000.00	1000
15	Methyl Acetate	43	3.293	3.297	(0.562)	927569	100.000	97
16	Methylene Chloride	84	3.391	3.386	(0.578)	689868	100.000	97
17	tert-Butanol	59	3.529	3.524	(0.602)	278690	200.000	200
18	Acrylonitrile	53	3.618	3.612	(0.617)	413967	100.000	100
19	trans-1,2-Dichloroethene	96	3.657	3.662	(0.624)	547189	100.000	100

Data File: V1J5676.D
Report Date: 25-Apr-2008 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	20 Methyl tert-butyl ether	73	3.677	3.671	(0.627)	1966959	100.000	100
	21 1,1-Dichloroethane	63	4.061	4.065	(0.693)	1260703	100.000	100
	22 Vinyl acetate	43	4.140	4.144	(0.706)	3345404	100.000	100
	23 Diisopropyl Ether	45	4.160	4.164	(0.709)	3353513	100.000	100
	24 Ethyl tert-butyl ether	59	4.524	4.528	(0.772)	2738185	100.000	100
	25 cis-1,2-Dichloroethene	96	4.642	4.646	(0.792)	640897	100.000	100
	26 2,2-Dichloropropane	77	4.652	4.646	(0.793)	460159	100.000	99
	28 2-Butanone	72	4.662	4.676	(0.795)	99214	100.000	100(T)
	29 Bromochloromethane	128	4.889	4.893	(0.834)	338629	100.000	100
	30 Tetrahydrofuran	72	4.948	4.952	(0.844)	257367	200.000	200
	31 Chloroform	83	4.977	4.981	(0.849)	1009467	100.000	100
$	32 Dibromofluoromethane	113	5.145	5.139	(0.877)	320822	50.0000	50
	33 1,1,1-Trichloroethane	97	5.174	5.168	(0.882)	611807	100.000	100
M	27 1,2-dichloroethene, (Total)	100				1188086	200.000	200
	34 Cyclohexane	56	5.233	5.237	(0.893)	1187479	100.000	100
	35 1,1-Dichloropropene	110	5.342	5.346	(0.911)	244952	100.000	100
	36 Carbon Tetrachloride	117	5.351	5.356	(0.913)	572662	100.000	100
$	37 1,2-Dichloroethane-d4	102	5.489	5.494	(0.936)	91789	50.0000	54
	38 Benzene	78	5.558	5.562	(0.948)	2497760	100.000	100
	39 1,2-Dichloroethane	62	5.568	5.572	(0.950)	828978	100.000	100
	40 tert-Amyl methyl ether	73	5.706	5.700	(0.973)	2269234	100.000	100
*	41 Fluorobenzene	96	5.864	5.858	(1.000)	1207356	50.0000	
	42 Trichloroethene	130	6.268	6.262	(1.069)	562281	100.000	100
	43 Methylcyclohexane	83	6.484	6.488	(1.106)	938121	100.000	100
	44 1,2-Dichloropropane	63	6.504	6.508	(1.109)	772467	100.000	100
	46 Dibromomethane	93	6.632	6.636	(1.131)	394316	100.000	100
	47 1,4-Dioxane	88	6.661	6.666	(1.136)	203342	2000.00	2100
	48 Bromodichloromethane	83	6.819	6.823	(1.163)	848416	100.000	100
	49 cis-1,3-Dichloropropene	75	7.341	7.345	(1.252)	1162320	100.000	100
	50 4-Methyl-2-pentanone	43	7.538	7.542	(1.286)	1119010	100.000	100
$	51 Toluene-d8	98	7.666	7.670	(0.810)	1039310	50.0000	49
	45 2-Chloroethyl vinyl ether	63	7.745	7.749	(1.321)	196178	100.000	100(T)
	52 Toluene	91	7.745	7.749	(1.321)	2209438	100.000	99
	53 trans-1,3-Dichloropropene	75	8.011	8.015	(1.366)	963173	100.000	100
	54 1,1,2-Trichloroethane	97	8.237	8.232	(1.405)	559418	100.000	100
	55 Tetrachloroethene	164	8.425	8.429	(0.890)	419781	100.000	100
	56 1,3-Dichloropropane	76	8.444	8.439	(0.892)	1152332	100.000	100
	57 2-Hexanone	43	8.572	8.567	(0.905)	823985	100.000	100
	58 Dibromochloromethane	129	8.720	8.724	(0.921)	684753	100.000	110
	59 1,2-Dibromoethane	107	8.858	8.852	(0.936)	624788	100.000	100
*	60 Chlorobenzene-d5	117	9.469	9.463	(1.000)	878040	50.0000	
	63 1-Chlorohexane	91	9.508	9.502	(1.004)	890762	100.000	100
	61 Chlorobenzene	112	9.508	9.502	(1.004)	1514280	100.000	100
	62 1,1,1,2-Tetrachloroethane	131	9.616	9.621	(1.016)	601882	100.000	100
	64 Ethylbenzene	106	9.666	9.670	(1.021)	754900	100.000	100
	65 m,p-Xylene	106	9.823	9.827	(1.037)	1876779	200.000	200
	66 o-Xylene	106	10.345	10.340	(1.093)	934383	100.000	99
	67 Styrene	104	10.365	10.359	(1.095)	1634359	100.000	100
	68 Bromoform	173	10.572	10.576	(1.116)	418854	100.000	110(T)
	69 Isopropylbenzene	105	10.828	10.832	(1.144)	2058383	100.000	100
	126 trans-1,4-Dichloro-2-butene	75	10.907	10.901	(1.152)	312960	100.000	100
$	70 Bromofluorobenzene	95	11.005	11.009	(1.162)	407137	50.0000	50
	72 Bromobenzene	156	11.182	11.187	(0.901)	596901	100.000	98
	71 1,1,2,2-Tetrachloroethane	83	11.202	11.196	(0.902)	852166	100.000	99

Data File: V1J5676.D
Report Date: 25-Apr-2008 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	73 1,2,3-Trichloropropane	75	11.242	11.236	(0.906)	1030139	100.000	100
	74 n-Propylbenzene	120	11.350	11.354	(0.914)	610373	100.000	99
	75 2-Chlorotoluene	126	11.439	11.433	(0.921)	566615	100.000	98
	77 4-Chlorotoluene	126	11.567	11.571	(0.932)	543240	100.000	97
	76 1,3,5-Trimethylbenzene	105	11.576	11.581	(0.933)	1747556	100.000	97
	78 tert-Butylbenzene	119	11.961	11.965	(0.964)	1861332	100.000	98
	79 1,2,4-Trimethylbenzene	105	12.020	12.024	(0.968)	1828045	100.000	95
	80 sec-Butylbenzene	105	12.227	12.231	(0.985)	2428942	100.000	100
	82 1,3-Dichlorobenzene	146	12.335	12.329	(0.994)	1065601	100.000	98
	83 4-Isopropyltoluene	119	12.404	12.408	(0.999)	1855854	100.000	99
*	84 1,4-Dichlorobenzene-d4	152	12.414	12.408	(1.000)	393832	50.0000	
	85 1,4-Dichlorobenzene	146	12.433	12.437	(1.002)	1102989	100.000	99
M	81 Xylene (Total)	106				2811162	300.000	290
	87 1,2-Dichlorobenzene	146	12.857	12.861	(1.036)	1040779	100.000	99
	86 n-Butylbenzene	91	12.877	12.881	(1.037)	1723695	100.000	97
	88 1,2-Dibromo-3-chloropropane	75	13.734	13.738	(1.106)	126929	100.000	100
	89 1,2,4-Trichlorobenzene	180	14.650	14.654	(1.180)	509233	100.000	98
	90 Hexachlorobutadiene	225	14.847	14.851	(1.196)	292754	100.000	110
	91 Naphthalene	128	14.896	14.900	(1.200)	1757441	100.000	100
	92 1,2,3-Trichlorobenzene	180	15.162	15.166	(1.221)	507936	100.000	100

IM 4/27/08

QC Flag Legend

T - Target compound detected outside RT window.

HZA

Data File: \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5675.D

Date : 24-APR-2008 07:17

Client ID: VSTD2001B

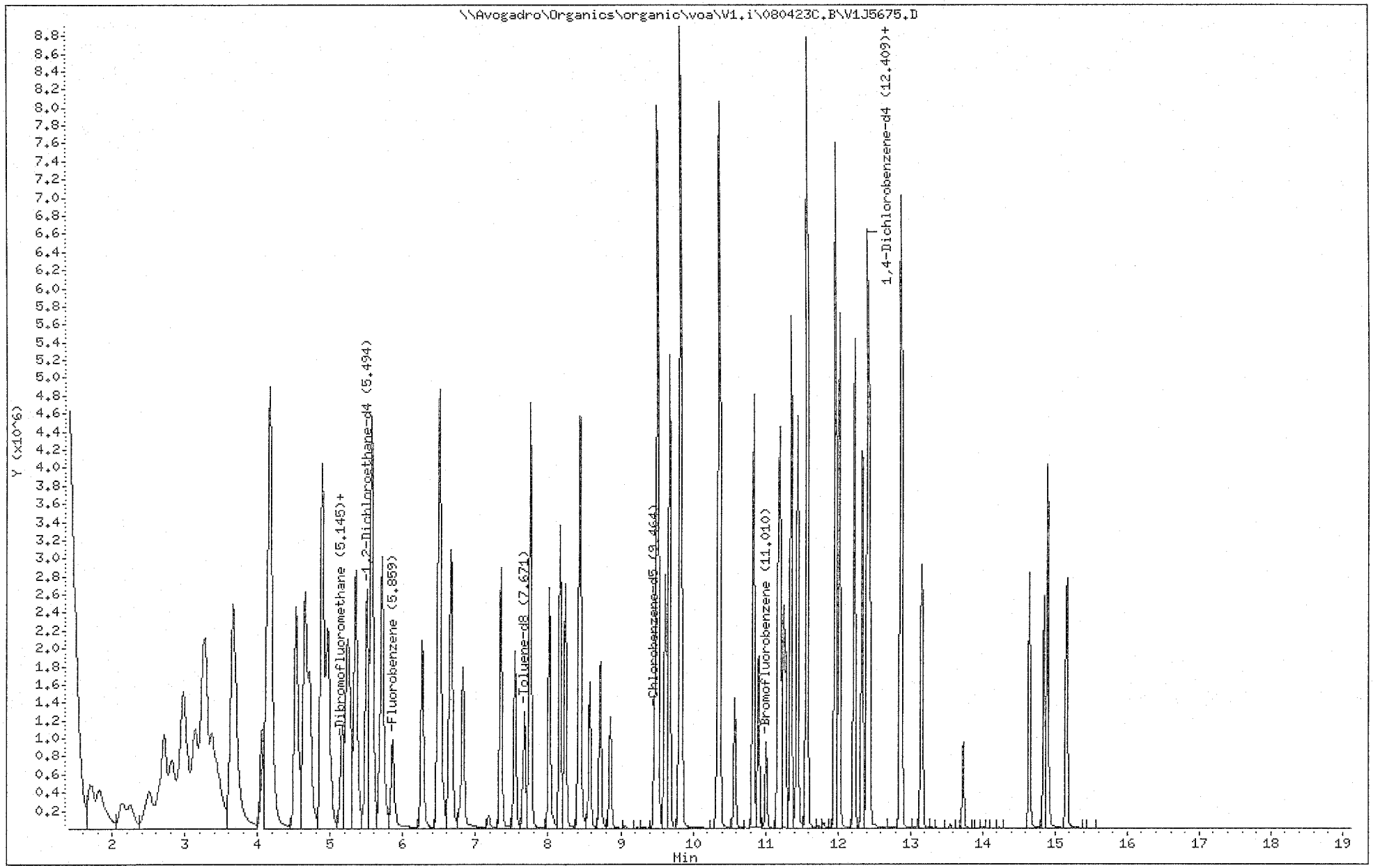
Instrument: V1.i

Sample Info: 5G,VSTD2001B,VSTD2001B

Operator: XD

Column phase: DB-624

Column diameter: 0.25



Data File: V1J5675.D
Report Date: 25-Apr-2008 13:36

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5675.D
Lab Smp Id: VSTD2001B Client Smp ID: VSTD2001B
Inj Date : 24-APR-2008 07:17
Operator : XD Inst ID: V1.i
Smp Info : 5G,VSTD2001B,VSTD2001B
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080423C.B\v18260GH.m
Meth Date : 25-Apr-2008 12:02 hzhao Quant Type: ISTD
Cal Date : 24-APR-2008 07:17 Cal File: V1J5675.D
Als bottle: 42 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET108

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.702	1.701	(0.291)	773083	200.000	210(A)
2 Chloromethane	50	1.702	1.711	(0.291)	1266172	200.000	200
3 Vinyl Chloride	62	1.839	1.829	(0.314)	1407091	200.000	200
4 Bromomethane	94	2.135	2.145	(0.364)	610708	200.000	160
5 Chloroethane	64	2.253	2.263	(0.385)	687624	200.000	170
6 Trichlorofluoromethane	101	2.460	2.480	(0.420)	950281	200.000	190
127 Ethanol	46	2.657	2.657	(0.454)	1177957	20000.0	18000
7 Ether	59	2.716	2.726	(0.464)	1257490	200.000	180
8 Acrolein	56	2.824	2.824	(0.482)	1664580	1000.00	940
9 1,1-Dichloroethene	96	2.962	2.972	(0.506)	905003	200.000	190
10 1,1,2-Trichloro-1,2,2-trifluo	101	2.992	2.992	(0.511)	998426	200.000	200
11 Acetone	58	2.972	2.972	(0.507)	152440	200.000	170
12 Iodomethane	142	3.120	3.120	(0.533)	1835380	200.000	200
13 Carbon Disulfide	76	3.149	3.149	(0.538)	4096707	200.000	190
14 Acetonitrile	40	3.238	3.238	(0.553)	1804410	2000.00	1900
15 Methyl Acetate	43	3.297	3.297	(0.563)	1722818	200.000	180
16 Methylene Chloride	84	3.376	3.386	(0.576)	1312770	200.000	190
17 tert-Butanol	59	3.534	3.524	(0.603)	512505	400.000	380
18 Acrylonitrile	53	3.612	3.612	(0.617)	783748	200.000	190
19 trans-1,2-Dichloroethene	96	3.652	3.662	(0.623)	1035321	200.000	190

Data File: V1J5675.D
Report Date: 25-Apr-2008 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	20 Methyl tert-butyl ether	73	3.671	3.671	(0.627)	3680487	200.000	200
	21 1,1-Dichloroethane	63	4.056	4.065	(0.692)	2425041	200.000	190
	22 Vinyl acetate	43	4.134	4.144	(0.706)	6289385	200.000	190
	23 Diisopropyl Ether	45	4.164	4.164	(0.711)	6279269	200.000	190
	24 Ethyl tert-butyl ether	59	4.528	4.528	(0.773)	5100117	200.000	190
	25 cis-1,2-Dichloroethene	96	4.647	4.646	(0.793)	1216012	200.000	200
	26 2,2-Dichloropropane	77	4.647	4.646	(0.793)	845240	200.000	180
	28 2-Butanone	72	4.666	4.676	(0.797)	191844	200.000	190 (T)
	29 Bromochloromethane	128	4.883	4.893	(0.834)	636439	200.000	200 (A)
	30 Tetrahydrofuran	72	4.942	4.952	(0.844)	487287	400.000	380
	31 Chloroform	83	4.972	4.981	(0.849)	1941875	200.000	200
$	32 Dibromofluoromethane	113	5.139	5.139	(0.877)	318805	50.0000	50
	33 1,1,1-Trichloroethane	97	5.169	5.168	(0.882)	1175668	200.000	200
M	27 1,2-dichloroethene, (Total)	100				2251333	400.000	390
	34 Cyclohexane	56	5.238	5.237	(0.894)	2290867	200.000	200 (A)
	35 1,1-Dichloropropene	110	5.346	5.346	(0.913)	473412	200.000	200
	36 Carbon Tetrachloride	117	5.346	5.356	(0.913)	1104456	200.000	200 (A)
$	37 1,2-Dichloroethane-d4	102	5.494	5.494	(0.938)	78089	50.0000	46
	38 Benzene	78	5.553	5.562	(0.948)	4738152	200.000	190
	39 1,2-Dichloroethane	62	5.572	5.572	(0.951)	1582187	200.000	190
	40 tert-Amyl methyl ether	73	5.701	5.700	(0.973)	4286384	200.000	200
*	41 Fluorobenzene	96	5.858	5.858	(1.000)	1197319	50.0000	
	42 Trichloroethene	130	6.262	6.262	(1.069)	1096292	200.000	200 (A)
	43 Methylcyclohexane	83	6.488	6.488	(1.108)	1792214	200.000	200
	44 1,2-Dichloropropane	63	6.508	6.508	(1.111)	1466256	200.000	200
	46 Dibromomethane	93	6.626	6.636	(1.131)	767236	200.000	200 (A)
	47 1,4-Dioxane	88	6.666	6.666	(1.138)	384705	4000.00	4000 (A)
	48 Bromodichloromethane	83	6.823	6.823	(1.165)	1640642	200.000	200 (A)
	49 cis-1,3-Dichloropropene	75	7.345	7.345	(1.254)	2239802	200.000	200
	50 4-Methyl-2-pentanone	43	7.542	7.542	(1.287)	2146071	200.000	200
$	51 Toluene-d8	98	7.670	7.670	(0.811)	1050671	50.0000	51
	45 2-Chloroethyl vinyl ether	63	7.749	7.749	(1.323)	373738	200.000	190 (T)
	52 Toluene	91	7.749	7.749	(1.323)	4248451	200.000	190
	53 trans-1,3-Dichloropropene	75	8.015	8.015	(1.368)	1868831	200.000	200 (A)
	54 1,1,2-Trichloroethane	97	8.232	8.232	(1.405)	1076109	200.000	200
	55 Tetrachloroethene	164	8.429	8.429	(0.891)	825018	200.000	200 (A)
	56 1,3-Dichloropropane	76	8.439	8.439	(0.892)	2166132	200.000	190
	57 2-Hexanone	43	8.567	8.567	(0.905)	1565819	200.000	200 (A)
	58 Dibromochloromethane	129	8.724	8.724	(0.922)	1301629	200.000	200 (A)
	59 1,2-Dibromoethane	107	8.852	8.852	(0.935)	1204502	200.000	200 (A)
*	60 Chlorobenzene-d5	117	9.463	9.463	(1.000)	863276	50.0000	
	63 1-Chlorohexane	91	9.512	9.502	(1.005)	1651168	200.000	190
	61 Chlorobenzene	112	9.502	9.502	(1.004)	2799812	200.000	190
	62 1,1,1,2-Tetrachloroethane	131	9.621	9.621	(1.017)	1136126	200.000	200
	64 Ethylbenzene	106	9.670	9.670	(1.022)	1425755	200.000	200
	65 m,p-Xylene	106	9.827	9.827	(1.039)	3426082	400.000	360
	66 o-Xylene	106	10.350	10.340	(1.094)	1739170	200.000	190
	67 Styrene	104	10.369	10.359	(1.096)	3047718	200.000	190
	68 Bromoform	173	10.576	10.576	(1.118)	791184	200.000	200 (A)
	69 Isopropylbenzene	105	10.832	10.832	(1.145)	3862028	200.000	190
	126 trans-1,4-Dichloro-2-butene	75	10.911	10.901	(1.153)	614297	200.000	210 (A)
$	70 Bromofluorobenzene	95	11.009	11.009	(1.163)	408862	50.0000	51
	72 Bromobenzene	156	11.187	11.187	(0.902)	1155886	200.000	200
	71 1,1,2,2-Tetrachloroethane	83	11.206	11.196	(0.903)	1622158	200.000	200

Data File: V1J5675.D
Report Date: 25-Apr-2008 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	73 1,2,3-Trichloropropane	75	11.246	11.236	(0.906)	1963422	200.000	210(A)
	74 n-Propylbenzene	120	11.354	11.354	(0.915)	1168189	200.000	200
	75 2-Chlorotoluene	126	11.443	11.433	(0.922)	1101020	200.000	200
	77 4-Chlorotoluene	126	11.571	11.571	(0.933)	1039356	200.000	190
	76 1,3,5-Trimethylbenzene	105	11.581	11.581	(0.933)	3208635	200.000	180
	78 tert-Butylbenzene	119	11.965	11.965	(0.964)	3431794	200.000	190
	79 1,2,4-Trimethylbenzene	105	12.024	12.024	(0.969)	3434183	200.000	180
	80 sec-Butylbenzene	105	12.231	12.231	(0.986)	4519981	200.000	190
	82 1,3-Dichlorobenzene	146	12.339	12.329	(0.994)	2062019	200.000	200
	83 4-Isopropyltoluene	119	12.408	12.408	(1.000)	3504137	200.000	190
*	84 1,4-Dichlorobenzene-d4	152	12.408	12.408	(1.000)	381279	50.0000	
	85 1,4-Dichlorobenzene	146	12.438	12.437	(1.002)	2072107	200.000	190
M	81 Xylene (Total)	106				5165252	600.000	550
	87 1,2-Dichlorobenzene	146	12.861	12.861	(1.037)	1946557	200.000	190
	86 n-Butylbenzene	91	12.881	12.881	(1.038)	3206029	200.000	190
	88 1,2-Dibromo-3-chloropropane	75	13.738	13.738	(1.107)	247268	200.000	200(A)
	89 1,2,4-Trichlorobenzene	180	14.654	14.654	(1.181)	995913	200.000	200
	90 Hexachlorobutadiene	225	14.851	14.851	(1.197)	535028	200.000	200(A)
	91 Naphthalene	128	14.900	14.900	(1.201)	3242484	200.000	190
	92 1,2,3-Trichlorobenzene	180	15.166	15.166	(1.222)	942666	200.000	190

lm 4/25/08

QC Flag Legend

HZA

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.

7A - FORM VII VOA-1

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: V1 Calibration Date: 04/29/2008 Time: 10:35

Lab File ID: V1J5871.D Init. Calib. Date(s): 04/24/2008 04/24/2008

EPA Sample No.(VSTD#####): VSTD0501J Init. Calib. Time(s): 04:45 07:47

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 5.0 (mL)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.152	0.156	0.100	3.2	20.0
Chloromethane	0.270	0.243	0.010	-10.0	20.0
Vinyl chloride	0.296	0.260	0.010	-12.2	20.0
Bromomethane	0.160	0.145	0.010	-9.6	20.0
Chloroethane	0.172	0.155	0.010	-9.5	20.0
Trichlorofluoromethane	0.207	0.176	0.010	-14.9	20.0
1,1-Dichloroethene	0.195	0.180	0.100	-8.1	20.0
Acetone	0.038	0.040	0.010	5.9	20.0
Iodomethane	0.391	0.357	0.010	-8.6	20.0
Carbon disulfide	0.880	0.615	0.010	-30.1	20.0
Methylene chloride	0.294	0.261	0.010	-11.4	20.0
trans-1,2-Dichloroethene	0.223	0.210	0.010	-5.7	20.0
Methyl tert-butyl ether	0.780	0.717	0.010	-8.0	20.0
1,1-Dichloroethane	0.524	0.479	0.010	-8.5	20.0
Vinyl acetate	1.378	1.293	0.010	-6.2	20.0
2-Butanone	0.041	0.037	0.010	-9.3	20.0
cis-1,2-Dichloroethene	0.258	0.247	0.010	-4.1	20.0
2,2-Dichloropropane	0.193	0.191	0.010	-1.1	20.0
Bromochloromethane	0.132	0.126	0.010	-4.5	20.0
Chloroform	0.411	0.372	0.010	-9.5	20.0
1,1,1-Trichloroethane	0.250	0.224	0.010	-10.5	20.0
1,1-Dichloropropene	0.101	0.095	0.010	-6.3	20.0
Carbon tetrachloride	0.229	0.207	0.010	-9.9	20.0
1,2-Dichloroethane	0.345	0.287	0.010	-16.9	20.0
Benzene	1.021	0.958	0.010	-6.1	20.0
Trichloroethene	0.226	0.213	0.010	-5.8	20.0
1,2-Dichloropropane	0.314	0.282	0.010	-10.2	20.0
Dibromomethane	0.158	0.139	0.010	-12.0	20.0
Bromodichloromethane	0.341	0.297	0.010	-13.1	20.0
cis-1,3-Dichloropropene	0.470	0.431	0.010	-8.2	20.0
4-Methyl-2-pentanone	0.449	0.359	0.010	-20.1	20.0
Toluene	0.927	0.841	0.010	-9.3	20.0
trans-1,3-Dichloropropene	0.385	0.341	0.010	-11.5	20.0
1,1,2-Trichloroethane	0.225	0.194	0.010	-14.0	20.0
1,3-Dichloropropane	0.648	0.620	0.010	-4.4	20.0
Tetrachloroethene	0.235	0.224	0.010	-4.7	20.0
2-Hexanone	0.443	0.398	0.010	-10.2	20.0
Dibromochloromethane	0.368	0.354	0.010	-3.7	20.0
1,2-Dibromoethane	0.348	0.328	0.010	-5.7	20.0
Chlorobenzene	0.857	0.847	0.010	-1.2	20.0

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

7B - FORM VII VOA-2

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: V1 Calibration Date: 04/29/2008 Time: 10:35

Lab File ID: V1J5871.D Init. Calib. Date(s): 04/24/2008 04/24/2008

EPA Sample No.(VSTD#####): VSTD0501J Init. Calib. Time(s): 04:45 07:47

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 5.0 (mL)

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX %D
1,1,1,2-Tetrachloroethane	0.329	0.314	0.010	-4.7	20.0
Ethylbenzene	0.423	0.431	0.010	1.8	20.0
m,p-Xylene	0.546	0.538	0.010	-1.3	20.0
o-Xylene	0.537	0.524	0.010	-2.5	20.0
Xylene (Total)	0.543	0.534	0.010	-1.7	20.0
Styrene	0.925	0.917	0.010	-0.9	20.0
Bromoform	0.225	0.208	0.010	-7.5	20.0
Isopropylbenzene	1.147	1.129	0.300	-1.5	20.0
1,1,2,2-Tetrachloroethane	1.088	1.025	0.300	-5.8	20.0
Bromobenzene	0.770	0.727	0.010	-5.6	20.0
1,2,3-Trichloropropane	1.303	1.221	0.010	-6.3	20.0
n-Propylbenzene	0.784	0.762	0.010	-2.8	20.0
2-Chlorotoluene	0.735	0.725	0.010	-1.3	20.0
1,3,5-Trimethylbenzene	2.279	2.242	0.010	-1.6	20.0
4-Chlorotoluene	0.708	0.727	0.010	2.7	20.0
tert-Butylbenzene	2.408	2.385	0.010	-1.0	20.0
1,2,4-Trimethylbenzene	2.432	2.360	0.010	-3.0	20.0
sec-Butylbenzene	3.098	3.123	0.010	0.8	20.0
4-Isopropyltoluene	2.370	2.436	0.010	2.8	20.0
1,3-Dichlorobenzene	1.375	1.386	0.010	0.8	20.0
1,4-Dichlorobenzene	1.415	1.433	0.010	1.2	20.0
n-Butylbenzene	2.249	2.302	0.100	2.3	20.0
1,2-Dichlorobenzene	1.332	1.320	0.010	-0.9	20.0
1,2-Dibromo-3-chloropropane	0.158	0.146	0.010	-7.6	20.0
1,2,4-Trichlorobenzene	0.659	0.735	0.010	11.6	20.0
Hexachlorobutadiene	0.345	0.383	0.010	10.9	20.0
1,2,3-Trichlorobenzene	0.640	0.668	0.010	4.3	20.0
Naphthalene	2.183	2.153	0.010	-1.4	20.0

7C - FORM VII VOA-3

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: V1 Calibration Date: 04/29/2008 Time: 10:35

Lab File ID: V1J5871.D Init. Calib. Date(s): 04/24/2008 04/24/2008

EPA Sample No.(VSTD#####): VSTD0501J Init. Calib. Time(s): 04:45 07:47

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 5.0 (mL)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX %D
Dibromofluoromethane	0.267	0.260	0.010	-2.6	20.0
1,2-Dichloroethane-d4	0.070	0.070	0.010	-0.5	20.0
Toluene-d8	1.198	1.294	0.010	8.0	20.0
Bromofluorobenzene	0.464	0.452	0.010	-2.7	20.0

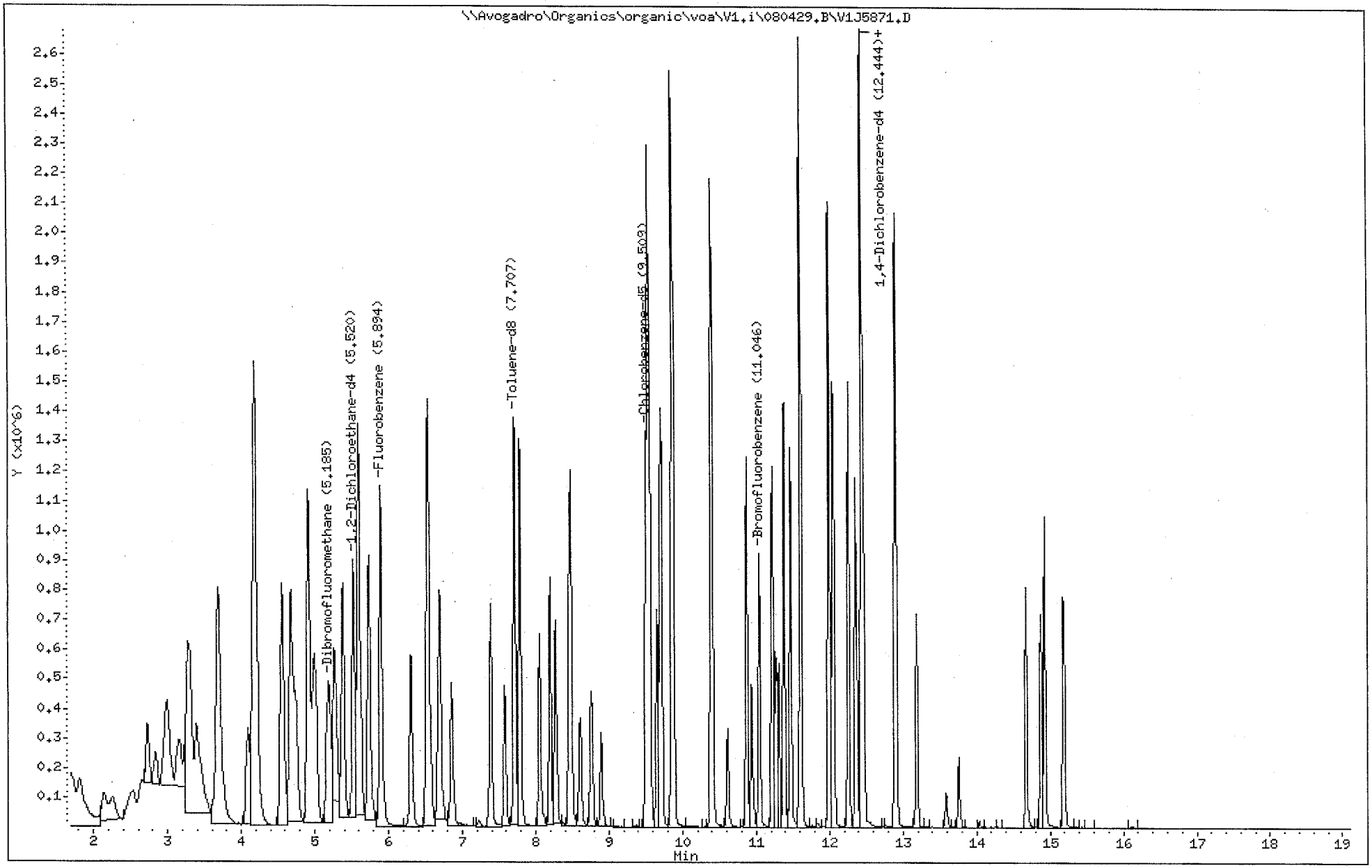
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only SW846

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5871.D
Date : 29-APR-2008 10:35
Client ID: VSTD0501J
Sample Info: 5ML,VSTD0501J,VSTD0501J

Column phase: DB-624

Instrument: V1.i

Operator: XD
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5871.D
Report Date: 07-May-2008 14:51

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5871.D
Lab Smp Id: VSTD0501J Client Smp ID: VSTD0501J
Inj Date : 29-APR-2008 10:35
Operator : XD Inst ID: V1.i
Smp Info : 5ML,VSTD0501J,VSTD0501J
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080429.B\v18260GH.m
Meth Date : 30-Apr-2008 14:24 im Quant Type: ISTD
Cal Date : 24-APR-2008 07:47 Cal File: V1J5676.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET104

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.728	1.728	(0.293)	220473	50.0000	52
2 Chloromethane	50	1.708	1.708	(0.290)	342735	50.0000	45
3 Vinyl Chloride	62	1.826	1.826	(0.310)	366911	50.0000	44
4 Bromomethane	94	2.131	2.131	(0.362)	204278	50.0000	45
5 Chloroethane	64	2.269	2.269	(0.385)	219138	50.0000	45
6 Trichlorofluoromethane	101	2.496	2.496	(0.424)	248094	50.0000	42
127 Ethanol	46	2.653	2.653	(0.450)	336545	5000.00	4400
7 Ether	59	2.732	2.732	(0.464)	373533	50.0000	46
8 Acrolein	56	2.831	2.831	(0.480)	527944	250.000	250
9 1,1-Dichloroethene	96	2.969	2.969	(0.504)	253085	50.0000	46
10 1,1,2-Trichloro-1,2,2-trifluo	101	3.008	3.008	(0.510)	244944	50.0000	42
11 Acetone	58	2.988	2.988	(0.507)	56020	50.0000	53(Q)
12 Iodomethane	142	3.136	3.136	(0.532)	503657	50.0000	46
13 Carbon Disulfide	76	3.166	3.166	(0.537)	866798	50.0000	35
14 Acetonitrile	40	3.254	3.254	(0.552)	453437	500.000	420(Q)
15 Methyl Acetate	43	3.313	3.313	(0.562)	453983	50.0000	41
16 Methylene Chloride	84	3.402	3.402	(0.577)	367720	50.0000	44
17 tert-Butanol	59	3.550	3.550	(0.602)	114994	100.000	72
18 Acrylonitrile	53	3.638	3.638	(0.617)	209016	50.0000	43
19 trans-1,2-Dichloroethene	96	3.678	3.678	(0.624)	296091	50.0000	47

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5871.D
Report Date: 07-May-2008 14:51

			QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)	
	20	Methyl tert-butyl ether	73	3.698	3.698	(0.627)	1010708	50.0000	46	
	21	1,1-Dichloroethane	63	4.091	4.091	(0.694)	675304	50.0000	46	
	22	Vinyl acetate	43	4.160	4.160	(0.706)	1821746	50.0000	47	
	23	Diisopropyl Ether	45	4.190	4.190	(0.711)	1815827	50.0000	46	
	24	Ethyl tert-butyl ether	59	4.554	4.554	(0.773)	1383077	50.0000	45	
	25	cis-1,2-Dichloroethene	96	4.673	4.673	(0.793)	348594	50.0000	48	
	26	2,2-Dichloropropane	77	4.682	4.682	(0.794)	268594	50.0000	49	
	28	2-Butanone	72	4.692	4.692	(0.796)	52768	50.0000	45	(Q)
	29	Bromochloromethane	128	4.919	4.919	(0.835)	178159	50.0000	48	
	30	Tetrahydrofuran	72	4.978	4.978	(0.845)	124165	100.000	83	
	31	Chloroform	83	5.008	5.008	(0.850)	524809	50.0000	45	
$	32	Dibromofluoromethane	113	5.175	5.175	(0.878)	365764	50.0000	49	
	33	1,1,1-Trichloroethane	97	5.205	5.205	(0.883)	315898	50.0000	45	
M	27	1,2-dichloroethene, (Total)	100				644685	100.000	95	
	34	Cyclohexane	56	5.273	5.273	(0.895)	596256	50.0000	44	
	35	1,1-Dichloropropene	110	5.382	5.382	(0.913)	133187	50.0000	47	
	36	Carbon Tetrachloride	117	5.382	5.382	(0.913)	291189	50.0000	45	
$	37	1,2-Dichloroethane-d4	102	5.520	5.520	(0.937)	98460	50.0000	50	
	38	Benzene	78	5.598	5.598	(0.950)	1350538	50.0000	47	
	39	1,2-Dichloroethane	62	5.608	5.608	(0.952)	403900	50.0000	42	
	40	tert-Amyl methyl ether	73	5.736	5.736	(0.973)	1150699	50.0000	45	
*	41	Fluorobenzene	96	5.894	5.894	(1.000)	1409306	50.0000		
	42	Trichloroethene	130	6.308	6.308	(1.070)	299927	50.0000	47	
	43	Methylcyclohexane	83	6.524	6.524	(1.107)	495324	50.0000	47	
	44	1,2-Dichloropropane	63	6.544	6.544	(1.110)	396916	50.0000	45	
	46	Dibromomethane	93	6.672	6.672	(1.132)	195805	50.0000	44	
	47	1,4-Dioxane	88	6.702	6.702	(1.137)	93719	1000.00	830	
	48	Bromodichloromethane	83	6.859	6.859	(1.164)	417973	50.0000	43	
	49	cis-1,3-Dichloropropene	75	7.381	7.381	(1.252)	607964	50.0000	46	
	50	4-Methyl-2-pentanone	43	7.578	7.578	(1.286)	505694	50.0000	40	
$	51	Toluene-d8	98	7.706	7.706	(0.810)	1175510	50.0000	54	
	45	2-Chloroethyl vinyl ether	63	7.785	7.785	(1.321)	96042	50.0000	42	(T)
	52	Toluene	91	7.785	7.785	(1.321)	1185709	50.0000	45	
	53	trans-1,3-Dichloropropene	75	8.051	8.051	(1.366)	480768	50.0000	44	
	54	1,1,2-Trichloroethane	97	8.278	8.278	(1.404)	273086	50.0000	43	
	55	Tetrachloroethene	164	8.465	8.465	(0.890)	203544	50.0000	48	
	56	1,3-Dichloropropane	76	8.484	8.484	(0.892)	563149	50.0000	48	
	57	2-Hexanone	43	8.612	8.612	(0.906)	361333	50.0000	45	
	58	Dibromochloromethane	129	8.760	8.760	(0.921)	321657	50.0000	48	
	59	1,2-Dibromoethane	107	8.898	8.898	(0.936)	297601	50.0000	47	
*	60	Chlorobenzene-d5	117	9.509	9.509	(1.000)	908602	50.0000		
	63	1-Chlorohexane	91	9.548	9.548	(1.004)	457201	50.0000	50	
	61	Chlorobenzene	112	9.548	9.548	(1.004)	769815	50.0000	49	
	62	1,1,1,2-Tetrachloroethane	131	9.657	9.657	(1.016)	285152	50.0000	48	
	64	Ethylbenzene	106	9.706	9.706	(1.021)	391369	50.0000	51	
	65	m,p-Xylene	106	9.863	9.863	(1.037)	978544	100.000	99	
	66	o-Xylene	106	10.385	10.385	(1.092)	475900	50.0000	49	
	67	Styrene	104	10.405	10.405	(1.094)	832913	50.0000	50	
	68	Bromoform	173	10.612	10.612	(1.116)	189074	50.0000	46	(T)
	69	Isopropylbenzene	105	10.868	10.868	(1.143)	1026211	50.0000	49	
	126	trans-1,4-Dichloro-2-butene	75	10.937	10.937	(1.150)	158531	50.0000	51	
$	70	Bromofluorobenzene	95	11.045	11.045	(1.162)	410445	50.0000	49	
	72	Bromobenzene	156	11.223	11.223	(0.902)	292781	50.0000	47	
	71	1,1,2,2-Tetrachloroethane	83	11.232	11.232	(0.903)	412866	50.0000	47	

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5871.D
Report Date: 07-May-2008 14:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	73 1,2,3-Trichloropropane	75	11.272	11.272	(0.906)	491789	50.0000	47
	74 n-Propylbenzene	120	11.390	11.390	(0.915)	307115	50.0000	49
	75 2-Chlorotoluene	126	11.469	11.469	(0.922)	292110	50.0000	49
	77 4-Chlorotoluene	126	11.607	11.607	(0.933)	292915	50.0000	51
	76 1,3,5-Trimethylbenzene	105	11.607	11.607	(0.933)	902867	50.0000	49
	78 tert-Butylbenzene	119	12.001	12.001	(0.964)	960649	50.0000	50
	79 1,2,4-Trimethylbenzene	105	12.050	12.050	(0.968)	950612	50.0000	48
	80 sec-Butylbenzene	105	12.257	12.257	(0.985)	1258040	50.0000	50
	82 1,3-Dichlorobenzene	146	12.365	12.365	(0.994)	558073	50.0000	50
	83 4-Isopropyltoluene	119	12.434	12.434	(0.999)	981263	50.0000	51
*	84 1,4-Dichlorobenzene-d4	152	12.444	12.444	(1.000)	402778	50.0000	
	85 1,4-Dichlorobenzene	146	12.474	12.474	(1.002)	576986	50.0000	51
M	81 Xylene (Total)	106				1454444	150.000	150
	87 1,2-Dichlorobenzene	146	12.897	12.897	(1.036)	531709	50.0000	50
	86 n-Butylbenzene	91	12.907	12.907	(1.037)	927037	50.0000	51
	88 1,2-Dibromo-3-chloropropane	75	13.764	13.764	(1.106)	58656	50.0000	46
	89 1,2,4-Trichlorobenzene	180	14.680	14.680	(1.180)	295967	50.0000	56
	90 Hexachlorobutadiene	225	14.877	14.877	(1.195)	154247	50.0000	55
	91 Naphthalene	128	14.926	14.926	(1.199)	867338	50.0000	49
	92 1,2,3-Trichlorobenzene	180	15.192	15.192	(1.221)	269016	50.0000	52

lm 5/7/08

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.

HZA

0851

Data File: \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5669.D

Date : 24-APR-2008 03:44

Client ID: BFB1B

Instrument: V1.i

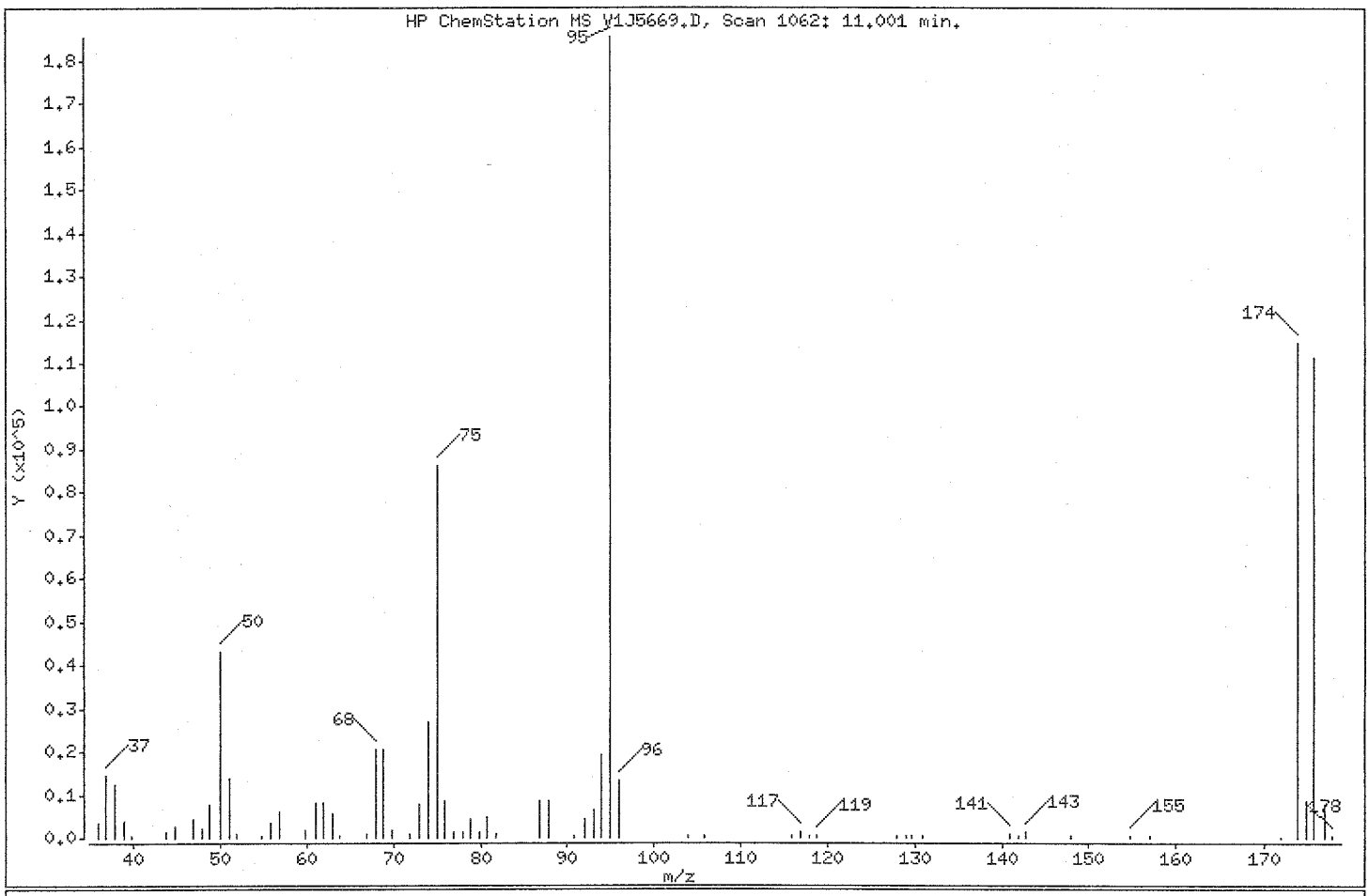
Sample Info: 5ML,BFB1B,BFB1B

Operator: XD SRC: XD

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.27
75	30.00 - 60.00% of mass 95	46.49
96	5.00 - 9.00% of mass 95	7.12
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	61.76
175	5.00 - 9.00% of mass 174	4.68 (7.58)
176	95.00 - 101.00% of mass 174	60.08 (97.27)
177	5.00 - 9.00% of mass 176	4.15 (6.90)

Date : 24-APR-2008 03:44

Client ID: BFB1B Instrument: V1.i

Sample Info: 5ML,BFB1B,BFB1B

Operator: XD SRC: XD

Column phase: DB-624 Column diameter: 0.25

Data File: V1J5669.D
Spectrum: HP ChemStation MS V1J5669.D, Scan 1062: 11.001 min.
Location of Maximum: 94.95
Number of points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3225	61.05	7940	80.80	4511	129.05	339
36.95	14578	61.90	8223	81.75	932	129.60	436
37.95	12198	63.00	5584	86.80	8623	130.90	334
39.05	3838	63.80	466	87.85	8727	140.80	1064
39.90	465	66.95	691	90.80	421	142.00	238
43.85	1365	67.90	20392	92.00	4102	142.80	1201
44.90	2524	68.90	20320	92.95	6205	147.90	277
46.90	4431	69.90	1769	93.95	19336	154.85	347
47.85	2024	71.85	940	94.95	185472	157.05	295
48.85	7672	73.00	7585	95.90	13214	171.95	206
49.95	43152	74.00	27040	103.90	565	173.85	114552
51.00	13585	75.00	86224	105.85	585	174.90	8683
52.00	697	75.95	8335	115.85	398	175.80	111424
54.85	471	76.95	1227	116.75	1098	176.90	7693
55.85	3247	77.95	1071	117.85	417	177.85	360
57.00	5957	78.80	4096	118.80	620		
59.85	1789	79.90	1294	127.85	432		

Data File: \\Avogadro\Organics\organic\voa\V1.i\080423C.B\V1J5669.D

Date : 24-APR-2008 03:44

Client ID: BFB1B

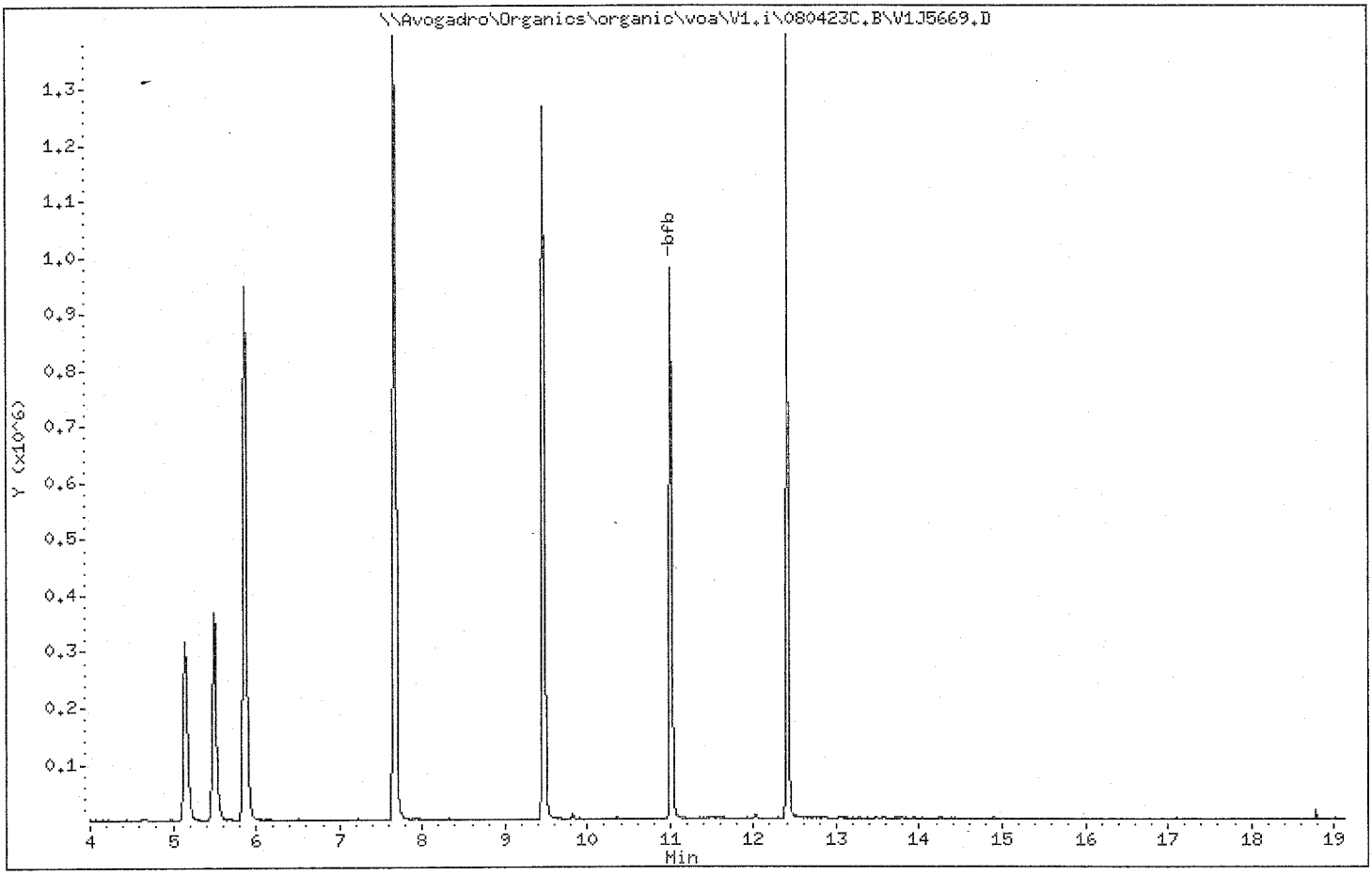
Instrument: V1.i

Sample Info: 5ML,BFB1B,BFB1B

Operator: XD SRC: XD

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5870.D

Date : 29-APR-2008 10:04

Client ID: BFB1J

Instrument: V1.i

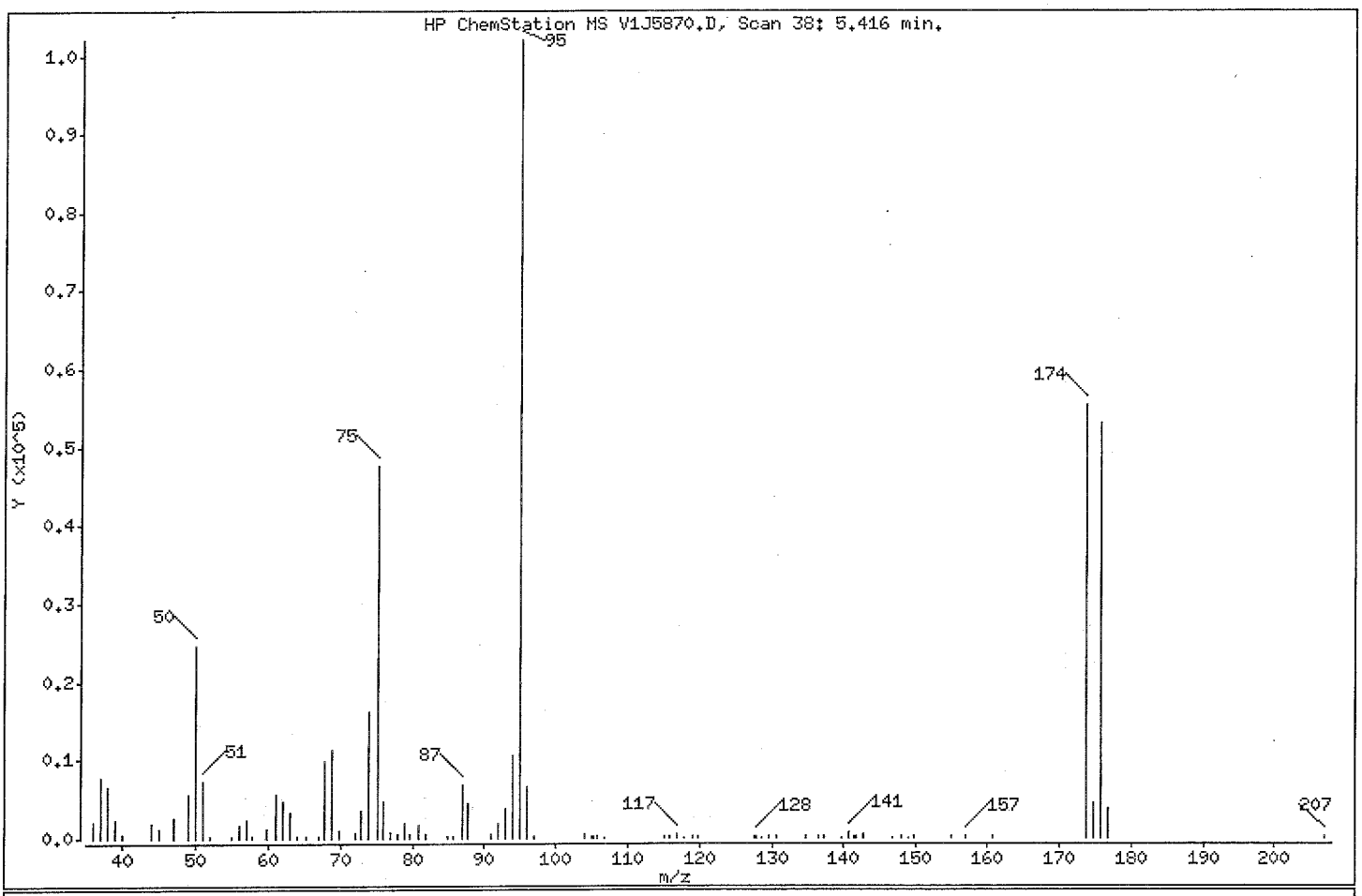
Sample Info: 2UL,BFB1J,BFB1J

Operator: XD

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.24
75	30.00 - 60.00% of mass 95	46.66
96	5.00 - 9.00% of mass 95	6.36
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	54.23
175	5.00 - 9.00% of mass 174	4.27 (7.88)
176	95.00 - 101.00% of mass 174	52.01 (95.91)
177	5.00 - 9.00% of mass 176	3.73 (7.18)

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5870.D

Date : 29-APR-2008 10:04

Client ID: BFB1J

Instrument: V1.i

Sample Info: 2UL,BFB1J,BFB1J

Operator: XD

Column phase: DB-624

Column diameter: 0.25

Data File: V1J5870.D
Spectrum: HP ChemStation MS V1J5870.D, Scan 38: 5.416 min.
Location of Maximum: 94.95
Number of points: 84

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	2142	66.95	272	93.95	10666	137.00	256
36.95	7844	67.90	9905	94.95	102000	139.75	106
37.95	6535	68.90	11293	95.90	6484	140.75	637
38.95	2254	69.80	900	96.90	184	141.50	157
40.00	440	72.05	666	104.00	417	141.70	163
43.95	1795	72.95	3452	104.85	142	142.60	426
45.00	1260	73.90	16208	105.15	157	146.60	109
46.90	2647	75.00	47592	105.85	331	147.90	346
48.95	5577	75.85	4645	106.85	115	148.90	114
49.95	24720	76.75	809	114.90	120	149.65	162
50.90	7189	77.95	571	115.65	144	154.85	261
52.00	323	78.80	1896	116.85	504	156.85	350
55.05	253	79.60	420	117.75	115	160.65	137
55.95	1725	80.90	1597	119.00	185	173.85	55312
57.00	2392	81.85	433	119.90	177	174.90	4358
57.80	303	84.80	129	127.65	303	175.80	53048
59.85	1120	85.60	121	127.85	322	176.80	3808
60.95	5609	86.90	6684	128.55	103	206.95	288
61.90	4624	87.75	4426	129.70	304		
63.00	3182	91.00	434	130.60	122		
64.00	220	91.90	1888	134.55	149		
65.25	170	92.95	3723	136.40	140		

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5870.D

Date : 29-APR-2008 10:04

Client ID: BFB1J

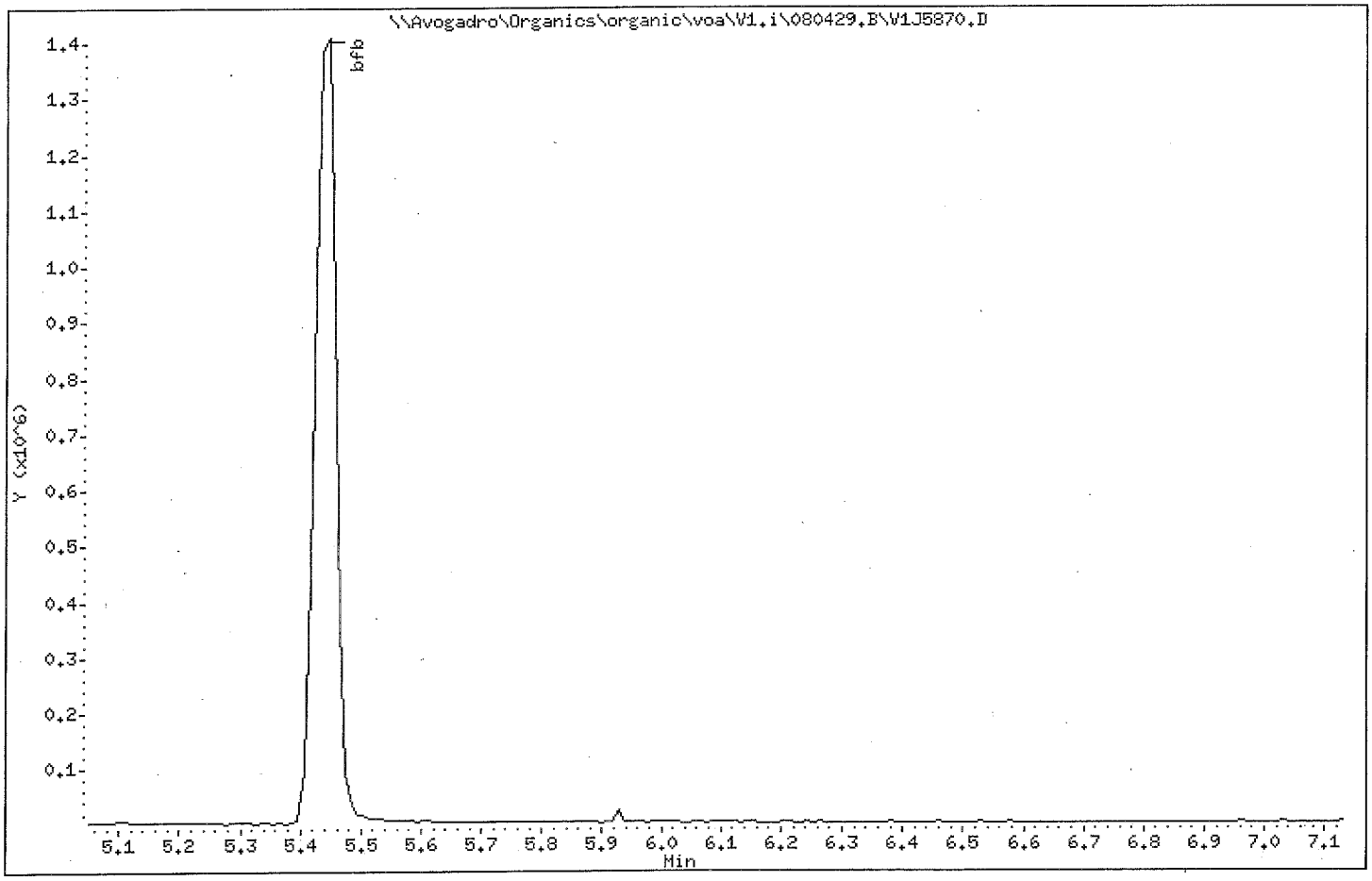
Instrument: V1.i

Sample Info: 2UL,BFB1J,BFB1J

Operator: XD

Column phase: DB-624

Column diameter: 0.25



1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5872.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	3.4	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

GBS1

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5872.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5872.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

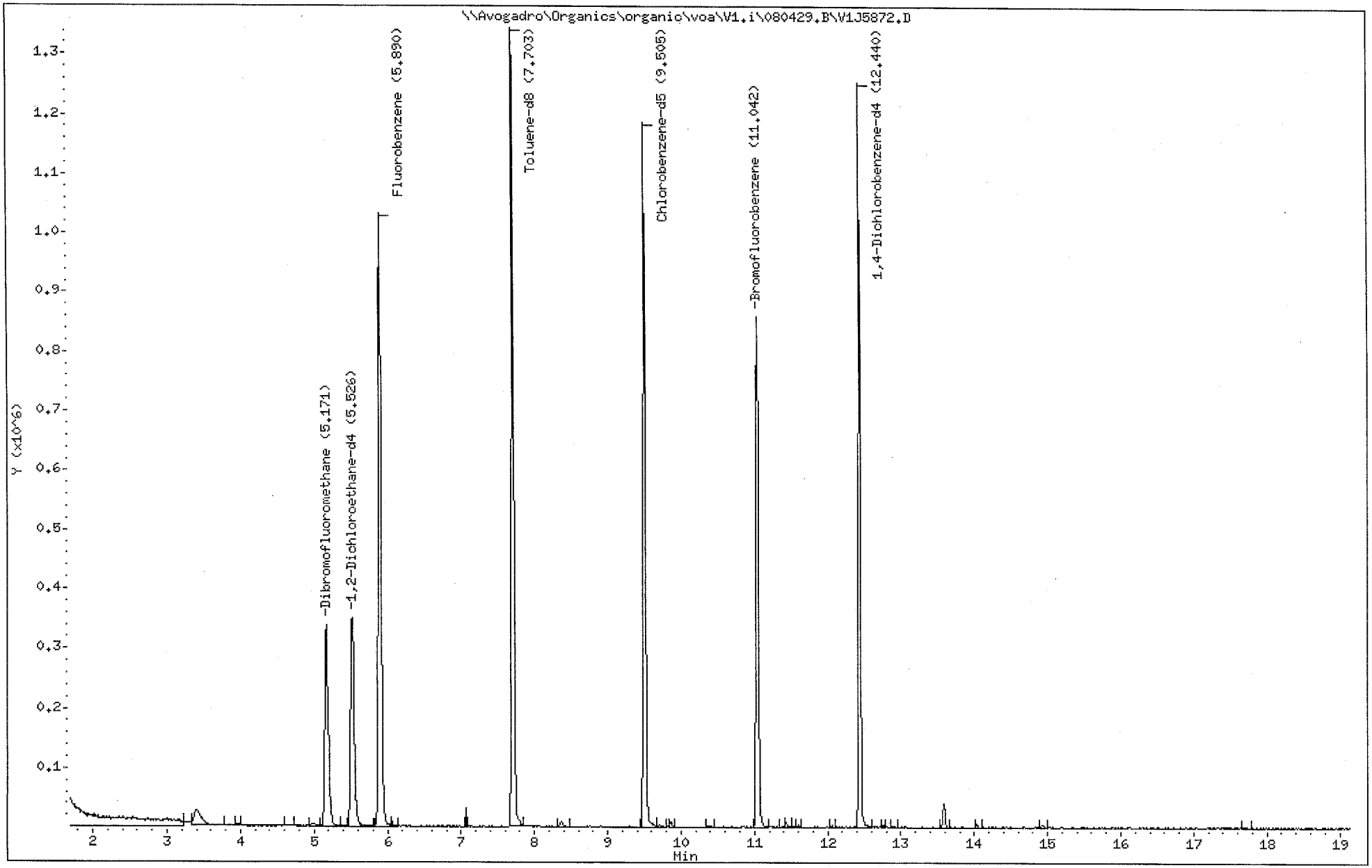
0063

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5872.D
Date : 29-APR-2008 11:45
Client ID: VBLK1J
Sample Info: 5G,MB-36082,VBLK1J,36082

Column phase: DB-624

Instrument: V1.i

Operator: XD SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5872.D
Report Date: 07-May-2008 14:51

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5872.D
Lab Smp Id: MB-36082 Client Smp ID: VBLK1J
Inj Date : 29-APR-2008 11:45
Operator : XD SRC: LIMS Inst ID: V1.i
Smp Info : 5G,MB-36082,VBLK1J,36082
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080429.B\v18260GH.m
Meth Date : 30-Apr-2008 14:24 im Quant Type: ISTD
Cal Date : 24-APR-2008 07:47 Cal File: V1J5676.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
16 Methylene Chloride	84	3.388	3.402	(0.575)	26704	3.44745	3(a)
$ 32 Dibromofluoromethane	113	5.171	5.175	(0.878)	343720	49.0281	49
$ 37 1,2-Dichloroethane-d4	102	5.525	5.520	(0.938)	89401	48.4146	48
* 41 Fluorobenzene	96	5.890	5.894	(1.000)	1315192	50.0000	
$ 51 Toluene-d8	98	7.702	7.706	(0.810)	1119816	54.5872	54
* 60 Chlorobenzene-d5	117	9.505	9.509	(1.000)	856464	50.0000	
$ 70 Bromofluorobenzene	95	11.041	11.045	(1.162)	374430	47.1008	47
* 84 1,4-Dichlorobenzene-d4	152	12.440	12.444	(1.000)	377743	50.0000	

Im 5/7/08

QC Flag Legend

HZA

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5872.D
Report Date: 07-May-2008 14:51

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5872.D
Lab Smp Id: MB-36082 Client Smp ID: VBLK1J
Inj Date : 29-APR-2008 11:45
Operator : XD SRC: LIMS Inst ID: V1.i
Smp Info : 5G,MB-36082,VBLK1J,36082
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080429.B\v18260GH.m
Meth Date : 30-Apr-2008 14:24 im Quant Type: ISTD
Cal Date : 24-APR-2008 07:47 Cal File: V1J5676.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5872.D

Date : 29-APR-2008 11:45

Client ID: VBLK1J

Instrument: V1.i

Sample Info: 5G,MB-36082,VBLK1J,36082

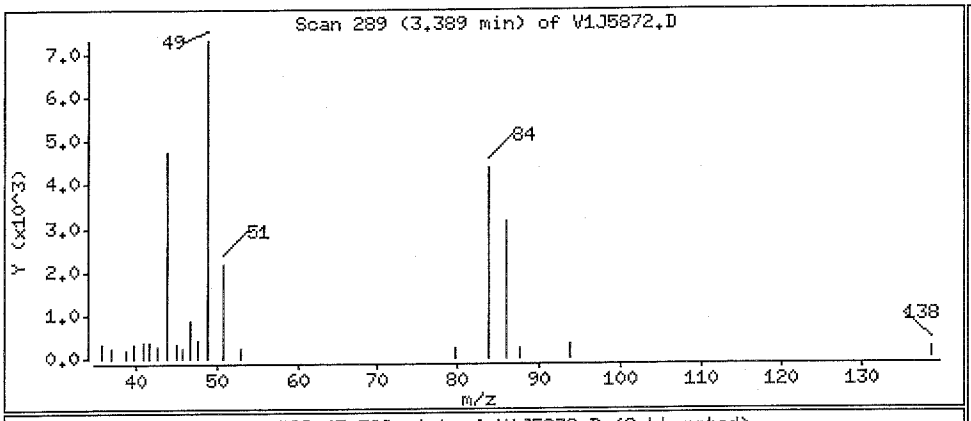
Operator: XD SRC: LIMS

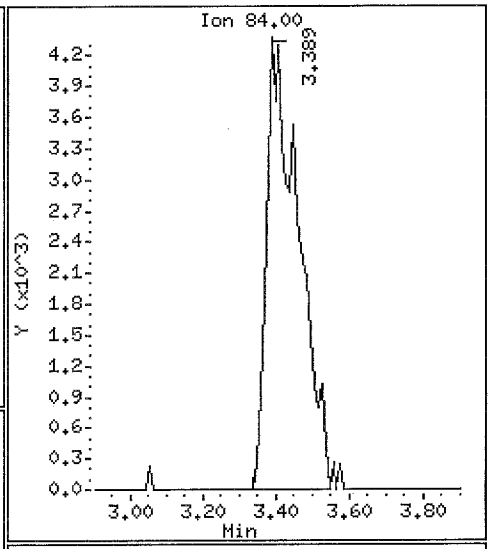
Column phase: DB-624

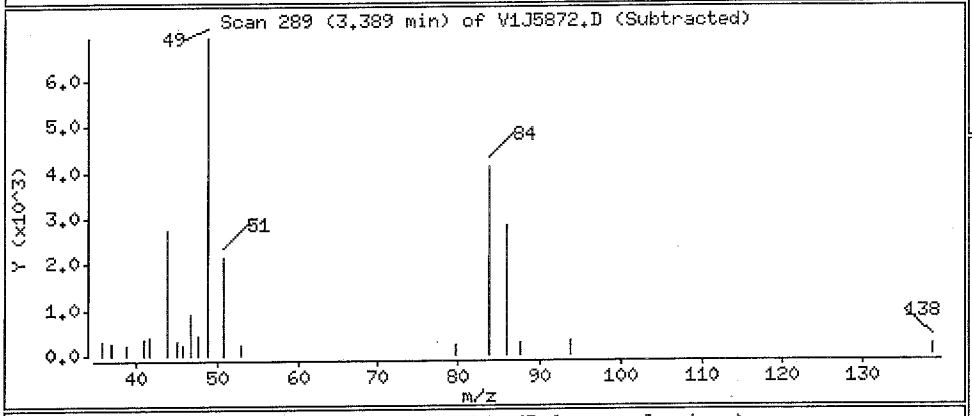
Column diameter: 0.25

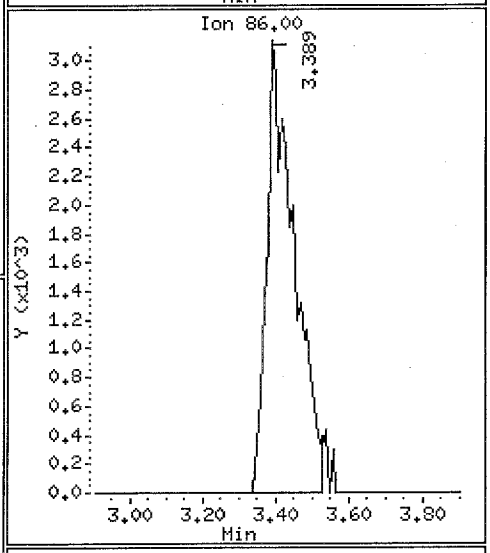
16 Methylene Chloride

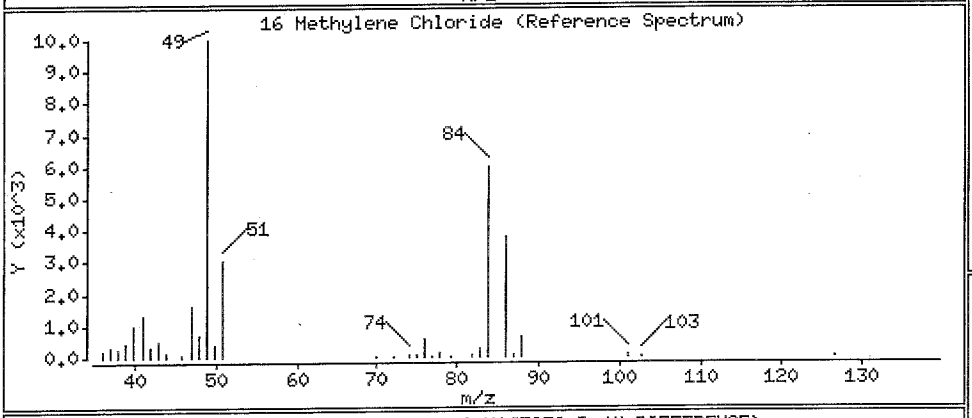
Concentration: 3 ug/Kg

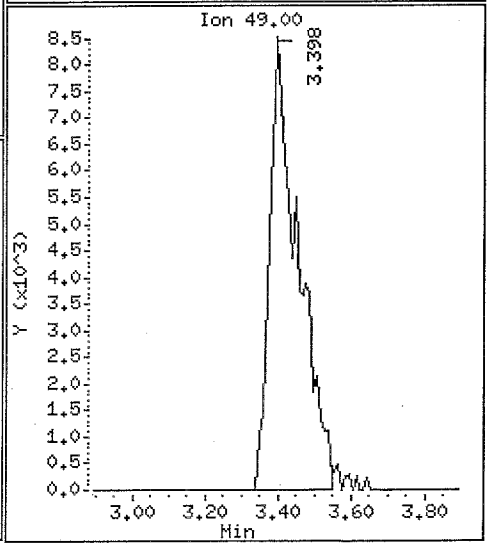


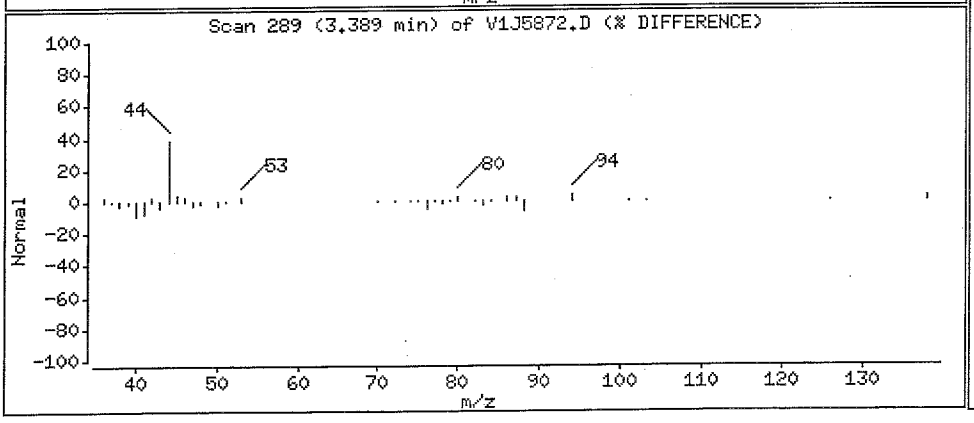












1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5873.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	59	
74-87-3	Chloromethane	50	
75-01-4	Vinyl chloride	49	
74-83-9	Bromomethane	47	
75-00-3	Chloroethane	48	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	50	
67-64-1	Acetone	53	
74-88-4	Iodomethane	48	
75-15-0	Carbon disulfide	48	
75-09-2	Methylene chloride	47	B
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl tert-butyl ether	47	
75-34-3	1,1-Dichloroethane	47	
108-05-4	Vinyl acetate	48	
78-93-3	2-Butanone	51	
156-59-2	cis-1,2-Dichloroethene	50	
594-20-7	2,2-Dichloropropane	52	
74-97-5	Bromochloromethane	48	
67-66-3	Chloroform	47	
71-55-6	1,1,1-Trichloroethane	49	
563-58-6	1,1-Dichloropropene	50	
56-23-5	Carbon tetrachloride	50	
107-06-2	1,2-Dichloroethane	43	
71-43-2	Benzene	49	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	47	
74-95-3	Dibromomethane	47	
75-27-4	Bromodichloromethane	46	
10061-01-5	cis-1,3-Dichloropropene	48	
108-10-1	4-Methyl-2-pentanone	45	
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	47	
79-00-5	1,1,2-Trichloroethane	46	
142-28-9	1,3-Dichloropropane	48	

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1JLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36082

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V1J5873.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 04/29/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 10.0 (mL)

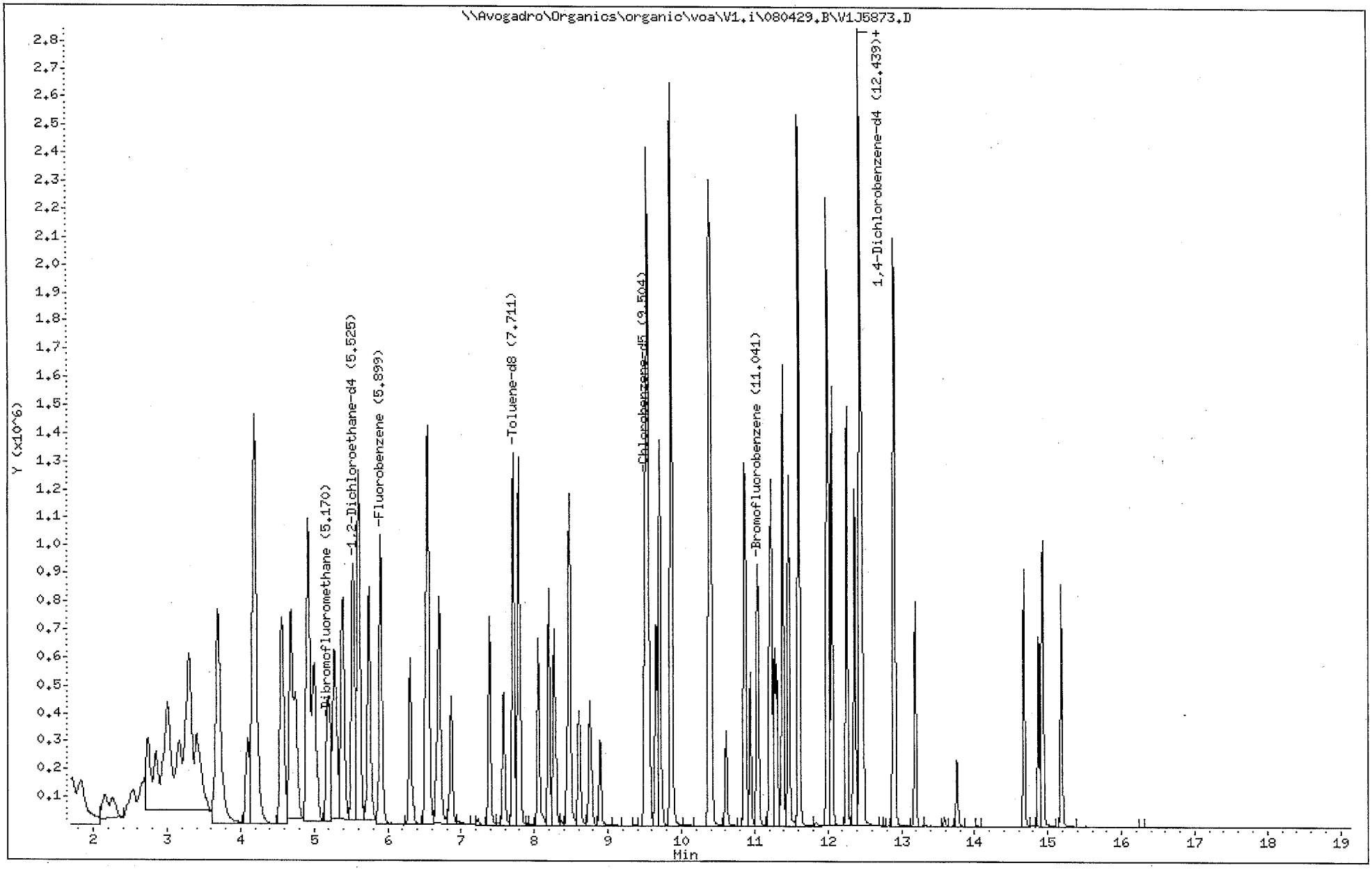
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	50	
591-78-6	2-Hexanone	51	
124-48-1	Dibromochloromethane	49	
106-93-4	1,2-Dibromoethane	48	
108-90-7	Chlorobenzene	51	
630-20-6	1,1,1,2-Tetrachloroethane	51	
100-41-4	Ethylbenzene	53	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	52	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	52	
75-25-2	Bromoform	40	
98-82-8	Isopropylbenzene	54	
79-34-5	1,1,2,2-Tetrachloroethane	49	
108-86-1	Bromobenzene	51	
96-18-4	1,2,3-Trichloropropane	50	
103-65-1	n-Propylbenzene	54	
95-49-8	2-Chlorotoluene	52	
108-67-8	1,3,5-Trimethylbenzene	52	
106-43-4	4-Chlorotoluene	54	
98-06-6	tert-Butylbenzene	53	
95-63-6	1,2,4-Trimethylbenzene	51	
135-98-8	sec-Butylbenzene	53	
99-87-6	4-Isopropyltoluene	54	
541-73-1	1,3-Dichlorobenzene	53	
106-46-7	1,4-Dichlorobenzene	53	
104-51-8	n-Butylbenzene	55	
95-50-1	1,2-Dichlorobenzene	53	
96-12-8	1,2-Dibromo-3-chloropropane	50	
120-82-1	1,2,4-Trichlorobenzene	58	
87-68-3	Hexachlorobutadiene	58	
87-61-6	1,2,3-Trichlorobenzene	54	
91-20-3	Naphthalene	53	

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5873.D
Date : 29-APR-2008 12:19
Client ID: V1JLCS
Sample Info: 5G,LCS-36082,V1JLCS,36082

Instrument: V1.i

Operator: XD SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



5759

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5873.D
Report Date: 30-Apr-2008 14:24

Mitkem Corporation

Method 8260 Water and Medium Soil

Data file : \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5873.D
Lab Smp Id: LCS-36082 Client Smp ID: V1JLCS
Inj Date : 29-APR-2008 12:19
Operator : XD SRC: LIMS Inst ID: V1.i
Smp Info : 5G,LCS-36082,V1JLCS,36082
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V1.i\080429.B\v18260GH.m
Meth Date : 30-Apr-2008 14:24 im Quant Type: ISTD
Cal Date : 24-APR-2008 07:47 Cal File: V1J5676.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1	Dichlorodifluoromethane	85	1.703	1.728	(0.289)	233225	59.4267	59
2	Chloromethane	50	1.722	1.708	(0.292)	347076	49.5738	50
3	Vinyl Chloride	62	1.841	1.826	(0.312)	378342	49.2757	49
4	Bromomethane	94	2.156	2.131	(0.366)	194319	46.7696	47
5	Chloroethane	64	2.264	2.269	(0.384)	212945	47.8491	48
6	Trichlorofluoromethane	101	2.491	2.496	(0.422)	253627	47.3279	47
127	Ethanol	46	2.678	2.653	(0.454)	357771	5095.37	5100
7	Ether	59	2.747	2.732	(0.466)	341172	46.0572	46
8	Acrolein	56	2.845	2.831	(0.482)	528640	277.170	280
9	1,1-Dichloroethene	96	2.983	2.969	(0.506)	253674	50.1488	50
10	1,1,2-Trichloro-1,2,2-trifluo	101	3.013	3.008	(0.511)	267335	49.4779	49
11	Acetone	58	2.993	2.988	(0.507)	51625	53.0913	53(Q)
12	Iodomethane	142	3.141	3.136	(0.532)	483792	47.7503	48
13	Carbon Disulfide	76	3.170	3.166	(0.537)	1099829	48.2861	48
14	Acetonitrile	40	3.269	3.254	(0.554)	496467	495.266	500
15	Methyl Acetate	43	3.328	3.313	(0.564)	465898	45.3763	45
16	Methylene Chloride	84	3.407	3.402	(0.578)	360881	47.3192	47
17	tert-Butanol	59	3.554	3.550	(0.603)	134077	90.7434	91
18	Acrylonitrile	53	3.643	3.638	(0.618)	208311	46.7066	47
19	trans-1,2-Dichloroethene	96	3.682	3.678	(0.624)	287881	49.8725	50
20	Methyl tert-butyl ether	73	3.702	3.698	(0.628)	940244	46.5662	46

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5873.D
Report Date: 30-Apr-2008 14:24

							CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
	21 1,1-Dichloroethane	63	4.096	4.091	(0.694)	635766	46.8858	47
	22 Vinyl acetate	43	4.165	4.160	(0.706)	1720931	48.2352	48
	23 Diisopropyl Ether	45	4.195	4.190	(0.711)	1663433	46.2606	46
	24 Ethyl tert-butyl ether	59	4.559	4.554	(0.773)	1281853	45.1032	45
	25 cis-1,2-Dichloroethene	96	4.687	4.673	(0.795)	331490	49.6330	50
	26 2,2-Dichloropropane	77	4.677	4.682	(0.793)	261138	52.3049	52
	28 2-Butanone	72	4.707	4.692	(0.798)	54597	51.0561	51(Q)
	29 Bromochloromethane	128	4.924	4.919	(0.835)	165541	48.2915	48(Q)
	30 Tetrahydrofuran	72	4.983	4.978	(0.845)	127534	92.5207	92
	31 Chloroform	83	5.012	5.008	(0.850)	503307	47.2562	47
$	32 Dibromofluoromethane	113	5.170	5.175	(0.876)	338704	49.0697	49
	33 1,1,1-Trichloroethane	97	5.209	5.205	(0.883)	321006	49.4959	49
M	27 1,2-dichloroethene, (Total)	100				619371	99.4877	99
	34 Cyclohexane	56	5.278	5.273	(0.895)	614797	49.8324	50
	35 1,1-Dichloropropene	110	5.386	5.382	(0.913)	131305	50.2619	50
	36 Carbon Tetrachloride	117	5.386	5.382	(0.913)	296460	49.9136	50
$	37 1,2-Dichloroethane-d4	102	5.524	5.520	(0.937)	90232	49.6303	50
	38 Benzene	78	5.593	5.598	(0.948)	1282482	48.5242	48
	39 1,2-Dichloroethane	62	5.603	5.608	(0.950)	384905	43.0842	43
	40 tert-Amyl methyl ether	73	5.741	5.736	(0.973)	1056177	45.0857	45
*	41 Fluorobenzene	96	5.899	5.894	(1.000)	1294901	50.0000	
	42 Trichloroethene	130	6.302	6.308	(1.068)	299869	51.2335	51
	43 Methylcyclohexane	83	6.529	6.524	(1.107)	508153	52.2971	52
	44 1,2-Dichloropropane	63	6.549	6.544	(1.110)	384436	47.3064	47
	46 Dibromomethane	93	6.667	6.672	(1.130)	191362	46.8199	47
	47 1,4-Dioxane	88	6.706	6.702	(1.137)	100591	973.584	970
	48 Bromodichloromethane	83	6.854	6.859	(1.162)	404167	45.7068	46
	49 cis-1,3-Dichloropropene	75	7.386	7.381	(1.252)	578926	47.5761	48
	50 4-Methyl-2-pentanone	43	7.573	7.578	(1.284)	521270	44.7944	45
$	51 Toluene-d8	98	7.711	7.706	(0.811)	1097523	51.6449	52
	45 2-Chloroethyl vinyl ether	63	7.790	7.785	(1.321)	99807	47.6836	48
	52 Toluene	91	7.790	7.785	(1.321)	1157544	48.1956	48
	53 trans-1,3-Dichloropropene	75	8.056	8.051	(1.366)	466606	46.7494	47
	54 1,1,2-Trichloroethane	97	8.272	8.278	(1.402)	266177	45.6041	46
	55 Tetrachloroethene	164	8.460	8.465	(0.890)	207759	49.8152	50
	56 1,3-Dichloropropane	76	8.479	8.484	(0.892)	553484	48.1255	48
	57 2-Hexanone	43	8.607	8.612	(0.906)	401119	51.0185	51
	58 Dibromochloromethane	129	8.755	8.760	(0.921)	319867	49.0487	49
	59 1,2-Dibromoethane	107	8.893	8.898	(0.936)	297550	48.2529	48
*	60 Chlorobenzene-d5	117	9.504	9.509	(1.000)	887236	50.0000	
	63 1-Chlorohexane	91	9.543	9.548	(1.004)	479681	53.4340	53(Q)
	61 Chlorobenzene	112	9.543	9.548	(1.004)	777366	51.0986	51
	62 1,1,1,2-Tetrachloroethane	131	9.661	9.657	(1.017)	295440	50.5773	50
	64 Ethylbenzene	106	9.710	9.706	(1.022)	394085	52.5121	52
	65 m,p-Xylene	106	9.868	9.863	(1.038)	1008021	104.079	100
	66 o-Xylene	106	10.380	10.385	(1.092)	496655	52.0763	52
	67 Styrene	104	10.400	10.405	(1.094)	853651	52.0074	52
	68 Bromoform	173	10.607	10.612	(1.116)	158104	39.6264	40
	69 Isopropylbenzene	105	10.863	10.868	(1.143)	1104978	54.2822	54
	126 trans-1,4-Dichloro-2-butene	75	10.942	10.937	(1.151)	168867	55.3436	55
$	70 Bromofluorobenzene	95	11.040	11.045	(1.162)	405137	49.1959	49
	72 Bromobenzene	156	11.217	11.223	(0.902)	307769	51.2419	51
	71 1,1,2,2-Tetrachloroethane	83	11.237	11.232	(0.903)	419603	49.4484	49
	73 1,2,3-Trichloropropane	75	11.277	11.272	(0.907)	512580	50.4507	50

Data File: \\Avogadro\Organics\organic\voa\V1.i\080429.B\V1J5873.D
Report Date: 30-Apr-2008 14:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	74 n-Propylbenzene	120	11.385	11.390	(0.915)	333323	54.4934	54
	75 2-Chlorotoluene	126	11.474	11.469	(0.922)	299910	52.3372	52
	77 4-Chlorotoluene	126	11.602	11.607	(0.933)	296699	53.7100	54
	76 1,3,5-Trimethylbenzene	105	11.611	11.607	(0.933)	921414	51.8424	52
	78 tert-Butylbenzene	119	11.996	12.001	(0.964)	996636	53.0641	53
	79 1,2,4-Trimethylbenzene	105	12.055	12.050	(0.969)	960139	50.6084	51
	80 sec-Butylbenzene	105	12.261	12.257	(0.986)	1279311	52.9450	53
	82 1,3-Dichlorobenzene	146	12.360	12.365	(0.994)	569417	53.0935	53
	83 4-Isopropyltoluene	119	12.439	12.434	(1.000)	1005483	54.3838	54
*	84 1,4-Dichlorobenzene-d4	152	12.439	12.444	(1.000)	389986	50.0000	
	85 1,4-Dichlorobenzene	146	12.468	12.474	(1.002)	582425	52.7649	53
M	81 Xylene (Total)	106				1504676	156.156	160
	87 1,2-Dichlorobenzene	146	12.892	12.897	(1.036)	546247	52.5828	52
	86 n-Butylbenzene	91	12.912	12.907	(1.038)	959367	54.6902	55
	88 1,2-Dibromo-3-chloropropane	75	13.759	13.764	(1.106)	61219	49.8178	50
	89 1,2,4-Trichlorobenzene	180	14.675	14.680	(1.180)	295640	57.5442	58
	90 Hexachlorobutadiene	225	14.881	14.877	(1.196)	154887	57.5105	58
	91 Naphthalene	128	14.931	14.926	(1.200)	896648	52.6537	53
	92 1,2,3-Trichlorobenzene	180	15.187	15.192	(1.221)	267722	53.6237	54

IM 5/7/08

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Mitkem Corporation
Volatiles Laboratory

Instrument V1 Injection Log

METHOD: 8260LS
ICAL DATE: 4/23/08

ANALYST: IM
EMV:

BATCH: 080423C.B SLVL Start: 24-APR-08 03:44
080423D.B 6 LVL End: 24-APR-08 07:47

Comments:
VW080410A - IS/SS
VW080402C - 2CVE
VW080403D - STD

Reviewed By: HZA 04/25/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS FBZ	INTERNAL STDS CBZ	INTERNAL STDS DCB	SURROGATES DFM	SURROGATES DCE	SURROGATES TOL	SURROGATES BFB	DILN	FLG	COMMENTS	pH
V1J5669	03:44	BFB1B	BFB1B		SL									1		OK	
V1J5671	04:45	VSTD0501B	VSTD0501B		SL		100	100	100					1			
V1J5672	05:15	VSTD0201B	VSTD0201B		SL		101	99	98					1			
V1J5673	05:46	VSTD0051B	VSTD0051B		SL		98	99	95					1			
V1J5674	06:47	VSTD0011A	VSTD0011A		SL		98	96	95					1			
V1J5675	07:17	VSTD2001B	VSTD2001B		SL		104	103	103					1			
V1J5676	07:47	VSTD1001B	VSTD1001B		SL		104	104	106					1			

OK 8260LS ICAL 5+6 LVL

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limit
D - Surrogates are diluted

IM 4/25/08

Mitkem Corporation
Volatiles Laboratory

Instrument V1 Injection Log

METHOD: 8260LS
ICAL DATE: 4/23/08

ANALYST: lm
EMV:

BATCH: 080429.B

Start: 29-APR-08 10:04
End: 29-APR-08 22:01

Comments: VW080410A - 1S1SS
VW080403D - STD
VW080402C - 2CVE

Reviewed By: HZA 04/30/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS FBZ	INTERNAL STDS CBZ	INTERNAL STDS DCB	SURROGATES DFM	SURROGATES DCE	SURROGATES TOL	SURROGATES BFB	DILN	FLG	COMMENTS	pH
V1J5870	10:04	BFB1J	BFB1J		SL									1		OK ✓	
V1J5871	10:35	VSTD0501J	VSTD0501J		SL		100	100	100					1		OK	
V1J5872	11:45	MB-36082	VBLK1J	36082	SL		93	94	94	98	97	109	94	1		OK	
V1J5873	12:19	LCS-36082	V1JLCS	36082	SL		92	98	97	98	99	103	98	1	R	OK	
V1J5874	12:50	BLK	BLK		SL		90	94	93	98	99	104	98	1		OK	
V1J5875	13:20	G0565-03D	SB-12 (12-14)	36082	SL	1	91	95	91	93	105	104	94	1		OK	
V1J5876	13:51	G0565-04D	SB-15 (0-2)	36082	SL	1	91	95	94	21*	104	106	98	1		OK	
V1J5877	14:21	G0565-05D	SB-14 (0-2)	36082	SL	1	92	96	90	97	96	105	95	1		OK	
V1J5878	14:52	G0565-06D	SB-13 (0-2)	36082	SL	1	91	95	88	89	102	104	93	1		OK	
V1J5879	15:22	G0570-11B	TR-EX3-CF-24	36082	SL	1	91	98	93	100	101	103	96	1		OK	
V1J5880	15:53	G0570-12B	TR-EX3-CWW-25	36082	SL	1	91	95	89	100	100	104	94	1		OK	
V1J5881	16:24	G0570-13B	TR-EX3-CNW-26	36082	SL	1	91	95	91	101	102	105	94	1		OK	
V1J5882	16:54	G0570-14B	TR-EX3-CEW-27	36082	SL	1	94	98	92	100	102	104	95	1		OK	
V1J5883	17:25	G0570-15B	TR-EX3-CSW-28	36082	SL	1	94	98	92	99	98	104	96	1		OK	
V1J5884	17:55	G0580-01B	130173-MW-2-10-	36082	SL	1	94	97	95	98	100	104	98	1		OK	
V1J5885	18:27	G0569-08B	130172-MIP88-S-	36082	SL	1	93	98	93	98	99	102	96	1		OK	
V1J5886	18:57	G0569-10B	130172-MIP9-S-5	36082	SL	1	91	98	93	101	100	102	97	1		OK	
V1J5887	19:28	G0569-10BMS	130172-MIP9-S-5	36082	SL	2	94	101	103	99	106	103	98	1	R	OK	
V1J5888	19:59	G0569-10BMSD	130172-MIP9-S-5	36082	SL	3	94	102	102	99	107	102	100	1	R	OK	
V1J5889	20:29	G0570-08BMSD	TR-EX2-CSW-21MS	36082	SL	2	94	99	97	99	108	105	98	1	R	OK	
V1J5890	21:00	BLK	BLK		SL		93	98	96	98	98	103	97	1		OK	
V1J5891	21:30	G0570-07B	TR-EX2-CSW-20	36082	SL	1	80	87	90	116	106	261*	131*	1	E	MCU = 2024 RR 10x ML	8.5
V1J5892	22:01	BLK	BLK		SL		90	93	93	96	94	106	98	1		OK	

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limit
D - Surrogates are diluted

lm 4/30/08

MITKEM Laboratories, A Div. Of Spectrum Analytical Inc: Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Methanol Lot. #	Comments	Analyst
4/29/08	G0570	12B	8260LS	NA	NA	5.1	5.0	E	DI H2O		lm
		13B				5.0					
		14B				5.2					
	G0570	15B				5.0					
	G0580	01B				5.0					
	G0569	08B				5.2					
	G0569	10BMS				5.1					
	G0569	10BMSD				5.1					
	G0592	01A				5.0					
		02A				5.2					
	G0592	03A				5.2					
	G0583	01B				5.0					
		02B				5.0					
		03B				5.0					
		04B				5.0					
4/29/08	G0583	05B	8260LS	NA	NA	5.0	5.0	E	DI H2O		lm

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-04/08

Reviewed By: HZA 05/05/08

MITKEM Laboratories, A Div. Of Spectrum Analytical Inc: Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Methanol Lot. #	Comments	Analyst
4/28/08	G0569	10B$_{MSD}$	B260LJ	NA	NA	5.1	5.0	E	[illegible] DI H2O		lm
	G0570	08B				5.2					
		08B$_{MS}$				5.0					
		08B$_{MSD}$				5.0					
	G0570	09B				5.0					
4/28/08	G0570	10B	B260LJ	NA	NA	5.0	5.0	E	DI H2O		lm
4/28/08	G0565	02D	B260LJ	NA	NA	5.0	5.0	E	DI H2O		lm
4/29/08	MB	B6082	B260LJ	NA	NA	5.0	5.0	E	DI H2O	Ottawa sand #073217	lm
	LCS	B6082				5.0				Ottawa sand #073217	
	G0565	03D				5.1					
		04D				5.1					
		05D				5.1					
	G0565	06D				5.2					
	G0570	07B				0.5					
	G0570	06B$_{MS}$				5.0					
4/29/08	G0570	11B	B260LJ	NA	NA	5.1	5.0	E	DI H2O		lm

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-04/08

Reviewed By: IZA 05/05/08

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
G0580-01A	*130173-MW-2-10-12*	05/05/2008	4	96	Yes

MITKEM CORPORATION: VOLATILE SAMPLES RECEIVING LOGBOOK

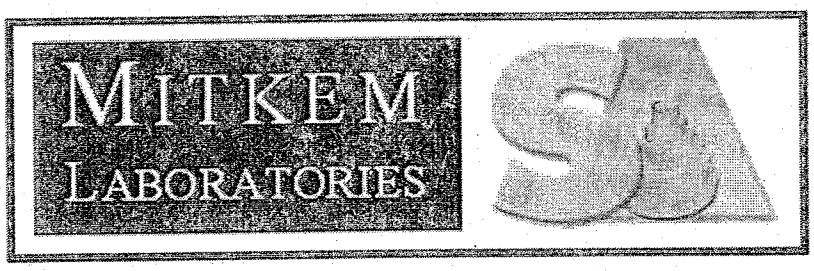
VOA Log-In Date	Workorder	Client	Sample Numbers	Relinquished by:	Received by:	Pres. Used	F/R#	Returned to R1
4-25-08	G0578	EPA	01-05	CAW	HZA	H	~~R9~~ R4	WL 4/27/08
4-25-08	G0538	EPA	05B - 05C	CAW	HZA	C	F4	
4/28/08	G0514	EPA	05-21A	HZA	WL	H	R9	WL
4-28-08	G0582	ENSR	01,04,07	CAW	HZA	H	R9	
	G0579		01-03			H	R9	
	G0565	DURKA	01-03			US	R9	
	G0570	DURKA	11-15			US	R9	
	G0580	CDM	01B			US	R9	
	G0569	CDM	B-17			H	R9	
	G0583	EA	1-20			US	R9	
	G0583	EA	21			H	R9	
	G0584	RIRRC	01		↓	H	R9	
4/28/08	G0589	Berger	01-03	CAW	HZA	H	R9	
CAW 4/28/08	~~G0513~~	~~EPA~~	~~05~~					

Logbook ID 90.0191-11/07

Reviewed By: HZA 05/01/08

"Preservative Used" Key

UA = Unpreserved Aqu. **H** = HCL **A** = Air **M**= MeOH **E** = Encore
US = Unpreserved Soil **N** = $NaHSO_4$ **F** = Freeze **T**= Trace, HCL



* Semivolatile Organics *

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	SBLK1U	76	86	80	73	73	82			0
02	S1ULCS	76	91	87	76	75	92			0
03	S1ULCSD	70	81	81	71	74	99			0
04	130173-MW-2-10-12	60	68	79	56	68	65			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(35-100)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH)	= Terphenyl-d14	(30-125)
SDMC4	(PHL)	= Phenol-d5	(40-100)
SDMC5	(2FP)	= 2-Fluorophenol	(35-105)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

SW846

0081

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Phenol	1667.0000	1188.2764	71		40-100
Bis(2-chloroethyl)ether	1667.0000	1096.3032	66		40-105
2-Chlorophenol	1667.0000	1344.5683	81		45-105
1,3-Dichlorobenzene	1667.0000	1346.7052	81		40-100
1,4-Dichlorobenzene	1667.0000	1355.4534	81		35-105
1,2-Dichlorobenzene	1667.0000	1405.6985	84		45-95
2-Methylphenol	1667.0000	1265.0045	76		40-105
2,2'-oxybis(1-Chloropropane)	1667.0000	964.996	58		20-115
4-Methylphenol	1667.0000	1258.1262	75		40-105
N-Nitroso-di-n-propylamine	1667.0000	1137.6062	68		40-115
Hexachloroethane	1667.0000	1398.5801	84		35-110
Nitrobenzene	1667.0000	1306.6016	78		40-115
Isophorone	1667.0000	1222.5084	73		45-110
2-Nitrophenol	1667.0000	1444.9961	87		40-110
2,4-Dimethylphenol	1667.0000	1360.6571	82		30-105
2,4-Dichlorophenol	1667.0000	1558.3887	93		45-110
1,2,4-Trichlorobenzene	1667.0000	1590.7579	95		45-110
Naphthalene	1667.0000	1491.6054	89		40-105
4-Chloroaniline	1667.0000	1018.8413	61		10-95
Bis(2-chloroethoxy)methane	1667.0000	1288.5631	77		45-110
Hexachlorobutadiene	1667.0000	1600.319	96		40-115
4-Chloro-3-methylphenol	1667.0000	1392.6165	84		45-115
2-Methylnaphthalene	1667.0000	1396.1999	84		45-105
Hexachlorocyclopentadiene	1667.0000	2248.9658	135		8-148
2,4,6-Trichlorophenol	1667.0000	1601.7051	96		45-110
2,4,5-Trichlorophenol	1667.0000	1525.2671	91		50-110
2-Chloronaphthalene	1667.0000	1584.1452	95		45-105
2-Nitroaniline	1667.0000	1257.8373	75		45-120
Dimethylphthalate	1667.0000	1584.3901	95		50-110

COMMENTS:

SW846

3 - FORM III

SOIL LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Acenaphthylene	1667.0000	1492.6452	90	45-105
2,6-Dinitrotoluene	1667.0000	1578.7824	95	50-110
3-Nitroaniline	1667.0000	1144.8114	69	25-110
Acenaphthene	1667.0000	1493.689	90	45-110
2,4-Dinitrophenol	1667.0000	690.7387	41	15-130
4-Nitrophenol	1667.0000	1678.7564	101	15-140
Dibenzofuran	1667.0000	1569.0528	94	50-105
2,4-Dinitrotoluene	1667.0000	1607.5073	96	50-115
Diethylphthalate	1667.0000	1577.523	95	50-115
4-Chlorophenyl-phenylether	1667.0000	1581.9124	95	45-110
Fluorene	1667.0000	1550.0754	93	50-110
4-Nitroaniline	1667.0000	903.5279	54	35-115
4,6-Dinitro-2-methylphenol	1667.0000	938.2241	56	30-135
N-Nitrosodiphenylamine	1667.0000	1439.1281	86	50-115
4-Bromophenyl-phenylether	1667.0000	1496.4654	90	45-115
Hexachlorobenzene	1667.0000	1468.6091	88	45-120
Pentachlorophenol	1667.0000	1037.3853	62	25-120
Phenanthrene	1667.0000	1434.0564	86	50-110
Anthracene	1667.0000	1384.9115	83	55-105
Carbazole	1667.0000	1646.2808	99	45-115
Di-n-butylphthalate	1667.0000	1422.1322	85	55-110
Fluoranthene	1667.0000	1468.9706	88	55-115
Pyrene	1667.0000	1508.3216	90	45-125
Butylbenzylphthalate	1667.0000	1462.5397	88	50-125
3,3'-Dichlorobenzidine	1667.0000	1458.8078	88	10-130
Benzo(a)anthracene	1667.0000	1483.0245	89	50-110
Chrysene	1667.0000	1450.4177	87	55-110
Bis(2-ethylhexyl)phthalate	1667.0000	1529.0971	92	45-125
Di-n-octylphthalate	1667.0000	1515.74	91	40-130
Benzo(b)fluoranthene	1667.0000	1444.8213	87	45-115
Benzo(k)fluoranthene	1667.0000	1395.482	84	45-125
Benzo(a)pyrene	1667.0000	1413.0616	85	50-110
Indeno(1,2,3-cd)pyrene	1667.0000	1479.065	89	40-120

COMMENTS:

SW846

3 - FORM III

SOIL LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCS-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Dibenzo(a,h)anthracene	1667.0000	1464.2382	88	40-125
Benzo(g,h,i)perylene	1667.0000	1479.357	89	40-125

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 64 outside limits.

COMMENTS:

SW846

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCSD-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Phenol	1667.0000	1152.6883	69		40-100
Bis(2-chloroethyl)ether	1667.0000	1142.3765	69		40-105
2-Chlorophenol	1667.0000	1271.4515	76		45-105
1,3-Dichlorobenzene	1667.0000	1239.5099	74		40-100
1,4-Dichlorobenzene	1667.0000	1270.6794	76		35-105
1,2-Dichlorobenzene	1667.0000	1322.818	79		45-95
2-Methylphenol	1667.0000	1199.6949	72		40-105
2,2'-oxybis(1-Chloropropane)	1667.0000	931.6671	56		20-115
4-Methylphenol	1667.0000	1192.7321	72		40-105
N-Nitroso-di-n-propylamine	1667.0000	1043.2606	63		40-115
Hexachloroethane	1667.0000	1330.4526	80		35-110
Nitrobenzene	1667.0000	1157.5077	69		40-115
Isophorone	1667.0000	1111.0079	67		45-110
2-Nitrophenol	1667.0000	1311.0735	79		40-110
2,4-Dimethylphenol	1667.0000	1261.809	76		30-105
2,4-Dichlorophenol	1667.0000	1412.3811	85		45-110
1,2,4-Trichlorobenzene	1667.0000	1409.0188	85		45-110
Naphthalene	1667.0000	1250.2133	75		40-105
4-Chloroaniline	1667.0000	760.3259	46		10-95
Bis(2-chloroethoxy)methane	1667.0000	1133.9763	68		45-110
Hexachlorobutadiene	1667.0000	1483.668	89		40-115
4-Chloro-3-methylphenol	1667.0000	1289.9189	77		45-115
2-Methylnaphthalene	1667.0000	1280.4872	77		45-105
Hexachlorocyclopentadiene	1667.0000	2214.3429	133		8-148
2,4,6-Trichlorophenol	1667.0000	1538.3341	92		45-110
2,4,5-Trichlorophenol	1667.0000	1503.8124	90		50-110
2-Chloronaphthalene	1667.0000	1447.45	87		45-105
2-Nitroaniline	1667.0000	1263.0145	76		45-120
Dimethylphthalate	1667.0000	1515.9998	91		50-110

COMMENTS:

3 - FORM III

SOIL LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCSD-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Acenaphthylene	1667.0000	1461.5011	88	45-105
2,6-Dinitrotoluene	1667.0000	1498.4599	90	50-110
3-Nitroaniline	1667.0000	949.5656	57	25-110
Acenaphthene	1667.0000	1458.7319	88	45-110
2,4-Dinitrophenol	1667.0000	1418.1242	85	15-130
4-Nitrophenol	1667.0000	1632.2441	98	15-140
Dibenzofuran	1667.0000	1494.2603	90	50-105
2,4-Dinitrotoluene	1667.0000	1544.5522	93	50-115
Diethylphthalate	1667.0000	1488.3981	89	50-115
4-Chlorophenyl-phenylether	1667.0000	1575.4326	95	45-110
Fluorene	1667.0000	1451.6335	87	50-110
4-Nitroaniline	1667.0000	966.4113	58	35-115
4,6-Dinitro-2-methylphenol	1667.0000	1375.7764	83	30-135
N-Nitrosodiphenylamine	1667.0000	1482.2838	89	50-115
4-Bromophenyl-phenylether	1667.0000	1505.7106	90	45-115
Hexachlorobenzene	1667.0000	1482.5156	89	45-120
Pentachlorophenol	1667.0000	1244.9234	75	25-120
Phenanthrene	1667.0000	1468.6843	88	50-110
Anthracene	1667.0000	1441.9104	86	55-105
Carbazole	1667.0000	1712.2495	103	45-115
Di-n-butylphthalate	1667.0000	1500.011	90	55-110
Fluoranthene	1667.0000	1522.6632	91	55-115
Pyrene	1667.0000	1479.573	89	45-125
Butylbenzylphthalate	1667.0000	1433.7728	86	50-125
3,3´-Dichlorobenzidine	1667.0000	1381.3751	83	10-130
Benzo(a)anthracene	1667.0000	1423.0001	85	50-110
Chrysene	1667.0000	1406.9329	84	55-110
Bis(2-ethylhexyl)phthalate	1667.0000	1453.1665	87	45-125
Di-n-octylphthalate	1667.0000	1437.1611	86	40-130
Benzo(b)fluoranthene	1667.0000	1415.6619	85	45-115
Benzo(k)fluoranthene	1667.0000	1384.1905	83	45-125
Benzo(a)pyrene	1667.0000	1456.1263	87	50-110
Indeno(1,2,3-cd)pyrene	1667.0000	1555.8258	93	40-120

COMMENTS:

8885

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab Sample ID: LCSD-36150 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/02/2008

Dibenzo(a,h)anthracene	1667.0000	1566.11	94	40-125
Benzo(g,h,i)perylene	1667.0000	1608.5622	96	40-125

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

LCS Recovery: 0 out of 64 outside limits.

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1U

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: S1F6562.D Lab Sample ID: MB-36150

Instrument ID: S1 Date Extracted: 05/01/2008

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 05/02/2008

Level: (LOW/MED) LOW Time Analyzed: 15:30

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1ULCS	LCS-36150	S1F6563.D	05/02/2008
02	S1ULCSD	LCSD-36150	S1F6564.D	05/02/2008
03	130173-MW-2-10-12	G0580-01A	S1F6759.D	05/13/2008

COMMENTS:

SW846

5B - FORM V SV

SEMIVOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: S1F6430.D DFTPP Injection Date: 04/22/2008

Instrument ID: S1 DFTPP Injection Time: 16:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	47.0
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	47.0
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	20.7
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than mass 443	14.0
442	40.0 - 99.9% of mass 198	86.0
443	17.0 - 23.0% of mass 442	17.2 (20.0)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501N	SSTD0501N	S1F6431.D	04/22/2008	17:16
02	SSTD1601N	SSTD1601N	S1F6432.D	04/22/2008	18:20
03	SSTD0101N	SSTD0101N	S1F6433.D	04/22/2008	18:55
04	SSTD0801N	SSTD0801N	S1F6434.D	04/22/2008	19:32
05	SSTD0201N	SSTD0201N	S1F6435.D	04/22/2008	20:35
06	SSTD1201N	SSTD1201N	S1F6436.D	04/22/2008	21:11

5B - FORM V SV

SEMIVOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP1U

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: S1F6560.D DFTPP Injection Date: 05/02/2008

Instrument ID: S1 DFTPP Injection Time: 14:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	44.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	43.3
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	21.3
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than mass 443	1.1
442	40.0 - 99.9% of mass 198	78.4
443	17.0 - 23.0% of mass 442	14.2 (18.1)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501U	SSTD0501U	S1F6561.D	05/02/2008	14:40
02	SBLK1U	MB-36150	S1F6562.D	05/02/2008	15:30
03	S1ULCS	LCS-36150	S1F6563.D	05/02/2008	16:06
04	S1ULCSD	LCSD-36150	S1F6564.D	05/02/2008	16:42

SW846

5B - FORM V SV

SEMIVOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP1Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: S1F6640.D DFTPP Injection Date: 05/08/2008

Instrument ID: S1 DFTPP Injection Time: 12:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.9
68	Less than 2.0% of mass 69	0.2 (0.3)1
69	Mass 69 relative abundance	55.7
70	Less than 2.0% of mass 69	0.1 (0.1)1
127	40.0 - 60.0% of mass 198	42.7
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	24.5
365	Greater than 1.0% of mass 198	4.5
441	Present, but less than mass 443	9.1
442	40.0 - 99.9% of mass 198	97.8
443	17.0 - 23.0% of mass 442	19.3 (19.8)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501Z	SSTD0501Z	S1F6641.D	05/08/2008	13:00
02	SSTD1601Z	SSTD1601Z	S1F6642.D	05/08/2008	14:02
03	SSTD0101Z	SSTD0101Z	S1F6643.D	05/08/2008	14:54
04	SSTD0201Z	SSTD0201Z	S1F6644.D	05/08/2008	15:50
05	SSTD1201Z	SSTD1201Z	S1F6645.D	05/08/2008	16:22
06	SSTD0801Z	SSTD0801Z	S1F6646.D	05/08/2008	16:54

SW846

5B - FORM V SV

SEMIVOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP1E

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Lab File ID: S1F6750.D DFTPP Injection Date: 05/13/2008

Instrument ID: S1 DFTPP Injection Time: 09:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	58.3
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	41.6
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	20.4
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than mass 443	12.7
442	40.0 - 99.9% of mass 198	83.3
443	17.0 - 23.0% of mass 442	15.9 (19.0)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501E	SSTD0501E	S1F6751.D	05/13/2008	09:57
02	130173-MW-2-10-12	G0580-01A	S1F6759.D	05/13/2008	14:19

SW846

0002

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 04/22/2008 04/22/2008

EPA Sample No.(SSTD020##): SSTD0501U Date Analyzed: 05/02/2008

Lab File ID (Standard): S1F6561.D Time Analyzed: 14:40

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	163172		8.331		568276		10.427		294035		13.29	
	UPPER LIMIT	326344		8.831		1136552		10.927		588070		13.79	
	LOWER LIMIT	81586		7.831		284138		9.927		147018		12.79	
	SAMPLE NO.												
01	SBLK1U	167505		8.332		541011		10.417		276744		13.280	
02	S1ULCS	169810		8.332		574324		10.428		295977		13.291	
03	S1ULCSD	179439		8.331		626397		10.427		304594		13.290	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

SW846

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 04/22/2008 04/22/2008

EPA Sample No.(SSTD020##): SSTD0501U Date Analyzed: 05/02/2008

Lab File ID (Standard): S1F6561.D Time Analyzed: 14:40

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	503410		15.71		498044		20.043		384077		22.192	
	UPPER LIMIT	1006820		16.21		996088		20.543		768154		22.692	
	LOWER LIMIT	251705		15.21		249022		19.543		192039		21.692	
	SAMPLE NO.												
01	SBLK1U	434299		15.700		374940		20.021		291274		22.182	
02	S1ULCS	505724		15.711		433375		20.033		348167		22.183	
03	S1ULCSD	487247		15.710		446728		20.032		366018		22.182	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

SW846

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/08/2008 05/08/2008

EPA Sample No.(SSTD020##): SSTD0501E Date Analyzed: 05/13/2008

Lab File ID (Standard): S1F6751.D Time Analyzed: 09:57

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	528842		7.713		1682854		9.82		983988		12.672	
	UPPER LIMIT	1057684		8.213		3365708		10.32		1967976		13.172	
	LOWER LIMIT	264421		7.213		841427		9.32		491994		12.172	
	SAMPLE NO.												
01	130173-MW-2-10-12	511123		7.714		1644686		9.810		932195		12.662	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/08/2008 05/08/2008

EPA Sample No.(SSTD020##): SSTD0501E Date Analyzed: 05/13/2008

Lab File ID (Standard): S1F6751.D Time Analyzed: 09:57

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1475809		15.07		1363494		19.348		937511		21.477	
	UPPER LIMIT	2951618		15.57		2726988		19.848		1875022		21.977	
	LOWER LIMIT	737905		14.57		681747		18.848		468756		20.977	
	SAMPLE NO.												
01	130173-MW-2-10-12	1478241		15.060		1074333		19.339		563465		21.467	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6759.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 4.0 Decanted: (Y/N) N Date Received: 04/25/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/13/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	Bis(2-chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2´-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
111-91-1	Bis(2-chloroethoxy)methane	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	700	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	700	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	700	U
100-02-7	4-Nitrophenol	700	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U

SW846

BEST

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6759.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 4.0 Decanted: (Y/N) N Date Received: 04/25/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/13/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	700	U
534-52-1	4,6-Dinitro-2-methylphenol	700	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	700	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3´-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	Bis(2-ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

BASE

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-2-10-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0580-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6759.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 4.0 Decanted: (Y/N) N Date Received: 04/25/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/13/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

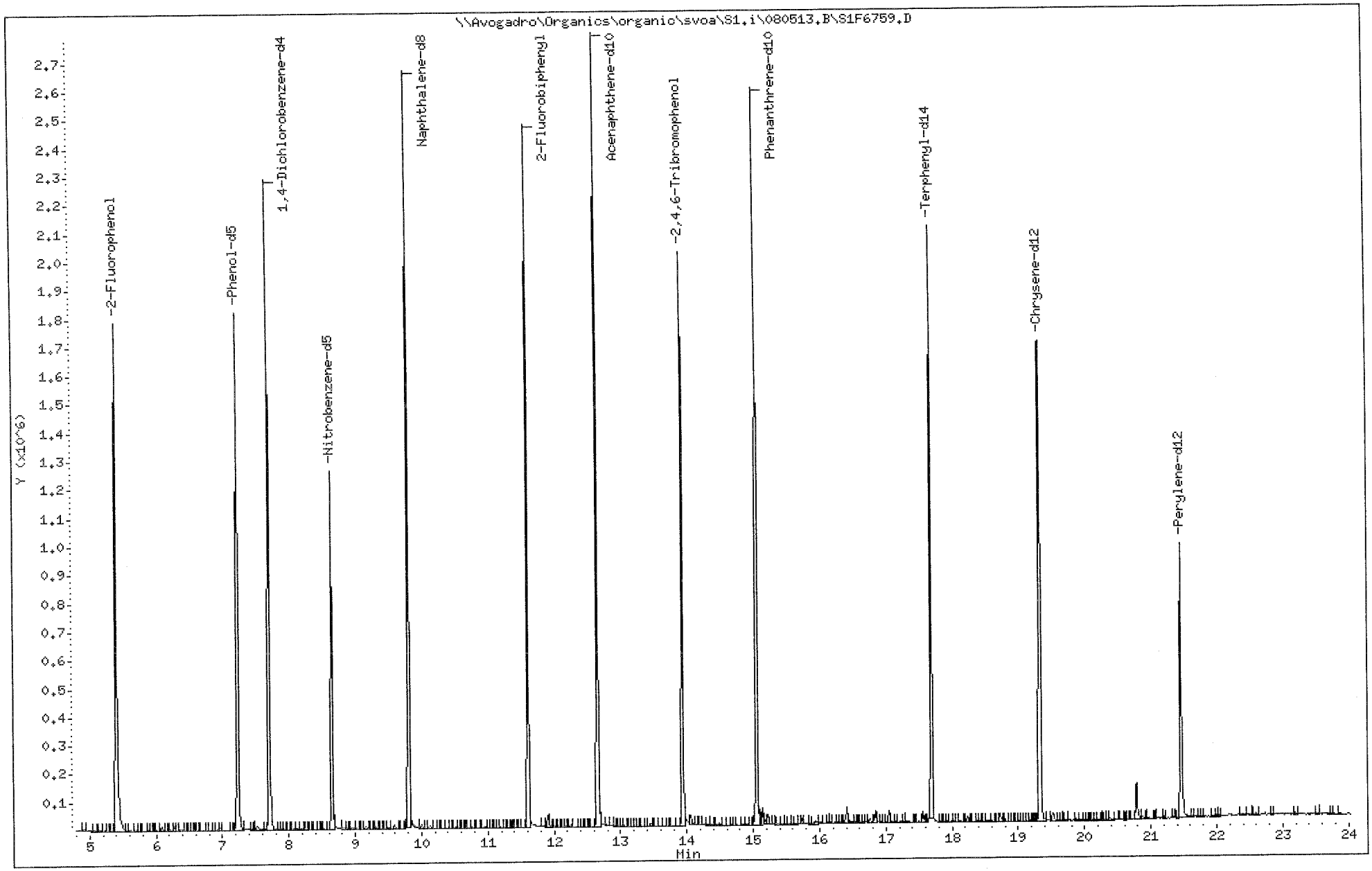
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	20.786	220	J
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080513.B\S1F6759.D
Date : 13-MAY-2008 14:19
Client ID: 130173-MW-2-10-12
Sample Info: G0580-01A,,36150,,
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i

Operator: DK SRC: LIMS
Column diameter: 0.25



Data File: S1F6759.D
Report Date: 19-May-2008 11:37

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080513.B\S1F6759.D
Lab Smp Id: G0580-01A Client Smp ID: 130173-MW-2-10-12
Inj Date : 13-MAY-2008 14:19
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0580-01A,,36150,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080513.B\s1_8270C_N.m
Meth Date : 19-May-2008 11:34 S1.i Quant Type: ISTD
Cal Date : 08-MAY-2008 15:50 Cal File: S1F6644.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	4.000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)	
$ 3 2-Fluorophenol	112	5.412	5.357	(0.702)	788553	51.2190	1800	
$ 5 Phenol-d5	99	7.238	7.237	(0.938)	948803	42.0637	1500	
* 12 1,4-Dichlorobenzene-d4	152	7.714	7.712	(1.000)	511123	40.0000		(Q)
$ 22 Nitrobenzene-d5	82	8.653	8.674	(0.882)	506616	30.0558	1000	
* 31 Naphthalene-d8	136	9.809	9.819	(1.000)	1644686	40.0000		
$ 41 2-Fluorobiphenyl	172	11.614	11.623	(0.917)	1124011	34.1601	1200	
* 48 Acenaphthene-d10	164	12.662	12.671	(1.000)	932195	40.0000		
$ 60 2,4,6-Tribromophenol	330	13.947	13.957	(0.926)	407140	48.6316	1700	
* 64 Phenanthrene-d10	188	15.060	15.070	(1.000)	1478241	40.0000		
$ 72 Terphenyl-d14	244	17.696	17.706	(0.915)	910599	39.3358	1400	
* 76 Chrysene-d12	240	19.338	19.348	(1.000)	1074333	40.0000		
* 83 Perylene-d12	264	21.467	21.476	(1.000)	563465	40.0000		

5/19/08

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: S1F6759.D
Report Date: 19-May-2008 11:37

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080513.B\S1F6759.D
Lab Smp Id: G0580-01A Client Smp ID: 130173-MW-2-10-12
Inj Date : 13-MAY-2008 14:19
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0580-01A,,36150,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080513.B\s1_8270C_N.m
Meth Date : 19-May-2008 11:34 S1.i Quant Type: ISTD
Cal Date : 08-MAY-2008 15:50 Cal File: S1F6644.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	4.000	% Moisture
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 83 Perylene-d12	21.467	1618768	40.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
20.786	259362	6.40886586	220	0		0	83

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080513.B\S1F6759.D

Date : 13-MAY-2008 14:19

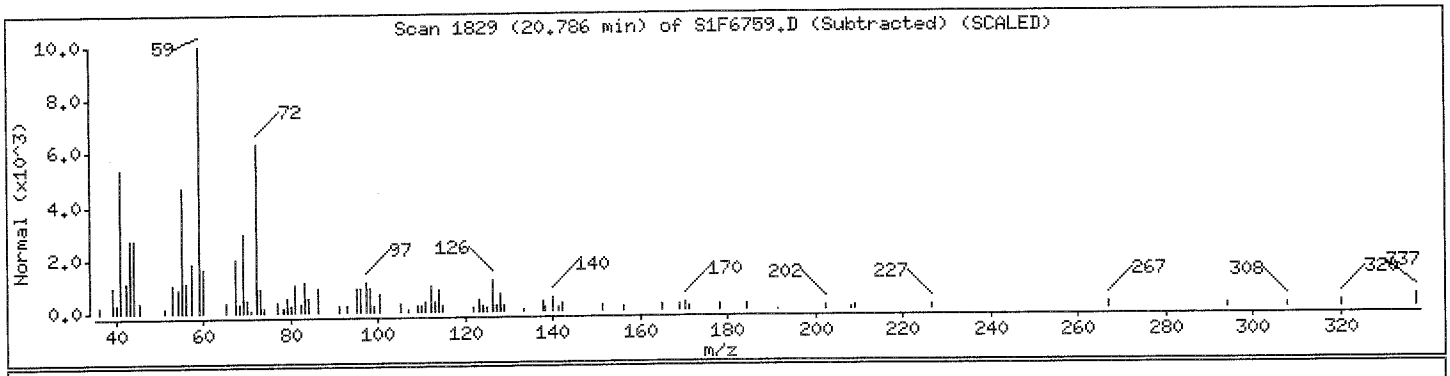
Client ID: 130173-MW-2-10-12 Instrument: S1.i

Sample Info: G0580-01A,,36150,,

Volume Injected (uL): 1.0 Operator: DK SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



6A - FORM VI VOA-1

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date(s): 04/22/2008 04/22/2008

Calibration Times: 17:16 21:11

GC Column: DB-5MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF010 = S1F6433.D RRF020 = S1F6435.D RRF050 = S1F6431.D RRF080 = S1F6434.D RRF120 = S1F6436.D
RRF601 = S1F6432.D

COMPOUND	RRF010	RRF020	RRF050	RRF080	RRF120	RRF160					RRF	% RSD
Phenol	1.375	1.400	1.409	1.416	1.348	1.396					1.391	1.8
Bis(2-chloroethyl)ether	1.038	1.113	1.068	1.046	0.965	1.044					1.046	4.6
2-Chlorophenol	1.414	1.495	1.573	1.554	1.453	1.612					1.517	5.0
1,3-Dichlorobenzene	1.561	1.574	1.661	1.578	1.511	1.635					1.587	3.4
1,4-Dichlorobenzene	1.632	1.621	1.667	1.675	1.591	1.710					1.649	2.6
1,2-Dichlorobenzene	1.453	1.475	1.517	1.510	1.509	1.580					1.507	2.9
2-Methylphenol	1.112	1.176	1.136	1.122	1.067	1.128					1.124	3.1
2,2´-oxybis(1-Chloropropane)	1.243	1.333	1.267	1.290	1.231	1.328					1.282	3.4
4-Methylphenol	1.170	1.144	1.217	1.199	1.132	1.207					1.178	3.0
N-Nitroso-di-n-propylamine	0.596	0.646	0.641	0.647	0.627	0.676					0.639	4.1
Hexachloroethane	0.630	0.677	0.681	0.688	0.645	0.711					0.672	4.4
Nitrobenzene	0.288	0.272	0.278	0.292	0.271	0.289					0.282	3.2
Isophorone	0.498	0.462	0.482	0.460	0.464	0.478					0.474	3.1
2-Nitrophenol	0.216	0.211	0.230	0.222	0.230	0.226					0.223	3.5
2,4-Dimethylphenol	0.333	0.337	0.373	0.369	0.374	0.362					0.358	5.2
2,4-Dichlorophenol	0.309	0.288	0.314	0.324	0.317	0.315					0.311	3.9
1,2,4-Trichlorobenzene	0.388	0.355	0.375	0.355	0.365	0.361					0.366	3.5
Naphthalene	1.026	1.002	1.019	1.016	1.005	0.993					1.010	1.2
4-Chloroaniline	0.422	0.390	0.386	0.411	0.432	0.421					0.410	4.6
Bis(2-chloroethoxy)methane	0.350	0.323	0.325	0.322	0.325	0.312					0.326	3.9
Hexachlorobutadiene	0.227	0.216	0.227	0.235	0.218	0.224					0.224	3.0
4-Chloro-3-methylphenol	0.299	0.263	0.294	0.287	0.268	0.276					0.281	5.2
2-Methylnaphthalene	0.599	0.567	0.628	0.604	0.606	0.595					0.600	3.3
Hexachlorocyclopentadiene	0.079	0.123	0.208	0.237	0.242	0.266					0.193	38.7
2,4,6-Trichlorophenol	0.430	0.412	0.470	0.486	0.466	0.481					0.457	6.5
2,4,5-Trichlorophenol		0.455	0.519	0.540	0.523	0.510					0.509	6.4
2-Chloronaphthalene	1.154	1.157	1.212	1.197	1.216	1.157					1.182	2.5

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

6B - FORM VI VOA-2

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date(s): 04/22/2008 04/22/2008

Calibration Times: 17:16 21:11

GC Column: DB-5MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF010 = S1F6433.D RRF020 = S1F6435.D RRF050 = S1F6431.D RRF080 = S1F6434.D RRF120 = S1F6436.D
RRF601 = S1F6432.D

COMPOUND	RRF010	RRF020	RRF050	RRF080	RRF120	RRF160					RRF	% RSD
2-Nitroaniline		0.278	0.300	0.322	0.318	0.293					0.302	6.0
Dimethylphthalate	1.484	1.381	1.450	1.523	1.464	1.466					1.461	3.2
Acenaphthylene	1.787	1.751	1.855	1.797	1.782	1.719					1.782	2.6
2,6-Dinitrotoluene	0.389	0.357	0.390	0.401	0.387	0.377					0.383	3.9
3-Nitroaniline		0.318	0.292	0.333	0.326	0.322					0.318	4.9
Acenaphthene	1.070	1.070	1.108	1.174	1.114	1.067					1.100	3.8
2,4-Dinitrophenol		0.071	0.128	0.195	0.202	0.212					0.162	37.4
4-Nitrophenol		0.111	0.163	0.192	0.191	0.191					0.170	20.8
Dibenzofuran	1.573	1.567	1.658	1.695	1.678	1.479					1.608	5.1
2,4-Dinitrotoluene	0.445	0.435	0.478	0.491	0.485	0.462					0.466	4.8
Diethylphthalate	1.581	1.451	1.586	1.590	1.545	1.553					1.551	3.4
4-Chlorophenyl-phenylether	0.679	0.665	0.727	0.739	0.717	0.680					0.701	4.3
Fluorene	1.313	1.261	1.309	1.310	1.294	1.222					1.285	2.8
4-Nitroaniline		0.286	0.251	0.269	0.230	0.245					0.256	8.5
4,6-Dinitro-2-methylphenol		0.120	0.150	0.186	0.185	0.199					0.168	19.5
N-Nitrosodiphenylamine	0.689	0.709	0.708	0.677	0.674	0.658					0.686	3.0
4-Bromophenyl-phenylether	0.267	0.274	0.268	0.270	0.273	0.269					0.270	1.1
Hexachlorobenzene	0.361	0.354	0.339	0.319	0.335	0.326					0.339	4.7
Pentachlorophenol		0.060	0.119	0.145	0.149	0.162					0.127	31.8
Phenanthrene	1.159	1.224	1.183	1.177	1.229	1.170					1.190	2.5
Anthracene	1.178	1.160	1.135	1.136	1.215	1.193					1.169	2.7
Carbazole	1.011	0.913	0.762	0.717	0.676	0.798					0.813	15.6
Di-n-butylphthalate	1.673	1.611	1.659	1.717	1.651	1.573					1.647	3.0
Fluoranthene	1.229	1.135	1.192	1.245	1.159	1.203					1.194	3.5
Pyrene	1.459	1.490	1.376	1.421	1.359	1.500					1.434	4.1
Butylbenzylphthalate	0.814	0.802	0.794	0.765	0.800	0.839					0.802	3.0
3,3´-Dichlorobenzidine	0.367	0.344	0.271	0.279	0.285	0.318					0.311	12.6

6C - FORM VI VOA-3

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date(s): 04/22/2008 04/22/2008

Calibration Times: 17:16 21:11

GC Column: DB-5MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF010 = S1F6433.D RRF020 = S1F6435.D RRF050 = S1F6431.D RRF080 = S1F6434.D RRF120 = S1F6436.D

RRF601 = S1F6432.D

COMPOUND	RRF010	RRF020	RRF050	RRF080	RRF120	RRF160					RRF	% RSD
Benzo(a)anthracene	1.177	1.178	1.146	1.175	1.162	1.245					1.180	2.9
Chrysene	1.074	1.126	1.088	1.070	1.108	1.108					1.096	2.0
Bis(2-ethylhexyl)phthalate	1.077	1.146	1.178	1.128	1.103	1.123					1.126	3.1
Di-n-octylphthalate	2.021	1.985	2.117	2.218	2.167	2.737					2.208	12.4
Benzo(b)fluoranthene	1.273	1.287	1.237	1.355	1.611	1.611					1.396	12.2
Benzo(k)fluoranthene	1.353	1.310	1.189	1.375	1.152	1.551					1.322	10.9
Benzo(a)pyrene	1.147	1.202	1.085	1.263	1.202	1.270					1.195	5.9
Indeno(1,2,3-cd)pyrene	1.195	1.163	1.215	1.325	1.269	0.781					1.158	16.7
Dibenzo(a,h)anthracene	0.963	0.978	1.016	1.114	1.079	0.712					0.977	14.6
Benzo(g,h,i)perylene	0.984	1.001	1.008	1.127	1.043	0.543					0.951	21.7

SAS

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

6C - FORM VI VOA-3

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date(s): 04/22/2008 04/22/2008

Calibration Times: 17:16 21:11

GC Column: DB-5MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF010 = S1F6433.D RRF020 = S1F6435.D RRF050 = S1F6431.D RRF080 = S1F6434.D RRF120 = S1F6436.D

RRF601 = S1F6432.D

COMPOUND	RRF010	RRF020	RRF050	RRF080	RRF120	RRF160					RRF	% RSD
Nitrobenzene-d5	0.289	0.285	0.284	0.279	0.287	0.283					0.284	1.2
2-Fluorobiphenyl	1.386	1.456	1.367	1.418	1.403	1.403					1.406	2.2
Terphenyl-d14	0.968	0.980	0.964	0.936	0.909	0.996					0.959	3.3
Phenol-d5	1.303	1.418	1.373	1.384	1.302	1.383					1.360	3.5
2-Fluorophenol	1.207	1.301	1.350	1.332	1.348	1.420					1.326	5.3
2,4,6-Tribromophenol	0.159	0.173	0.186	0.191	0.187	0.189					0.181	6.8

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Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

6C - FORM VI VOA-3

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date(s): 05/08/2008 05/08/2008

Calibration Times: 13:00 16:54

GC Column: DB-5MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF010 = S1F6643.D RRF020 = S1F6644.D RRF050 = S1F6641.D RRF080 = S1F6646.D RRF120 = S1F6645.D

RRF601 = S1F6642.D

COMPOUND	RRF010	RRF020	RRF050	RRF080	RRF120	RRF160					RRF	% RSD
Phenol	1.672	1.875	1.924	1.845	2.026	2.086					1.905	7.7
Bis(2-chloroethyl)ether	1.373	1.358	1.349	1.372	1.394	1.512					1.393	4.3
2-Chlorophenol	1.221	1.275	1.389	1.393	1.465	1.596					1.390	9.6
1,3-Dichlorobenzene	1.429	1.410	1.514	1.517	1.537	1.522					1.488	3.6
1,4-Dichlorobenzene	1.516	1.530	1.600	1.589	1.589	1.620					1.574	2.6
1,2-Dichlorobenzene	1.488	1.407	1.570	1.476	1.515	1.549					1.501	3.9
2-Methylphenol	1.201	1.214	1.349	1.340	1.449	1.528					1.347	9.5
2,2'-oxybis(1-Chloropropane)	2.106	2.198	1.935	2.062	2.117	1.992					2.068	4.5
4-Methylphenol	1.241	1.369	1.413	1.350	1.537	1.597					1.418	9.2
N-Nitroso-di-n-propylamine	0.774	0.815	0.750	0.781	0.747	0.683					0.758	5.9
Hexachloroethane	0.696	0.695	0.720	0.675	0.727	0.848					0.727	8.6
Nitrobenzene	0.335	0.364	0.378	0.416	0.421	0.361					0.379	8.9
Isophorone	0.683	0.684	0.697	0.688	0.740	0.657					0.692	3.9
2-Nitrophenol	0.185	0.214	0.244	0.247	0.245	0.240					0.229	10.8
2,4-Dimethylphenol	0.293	0.347	0.467	0.482	0.482	0.467					0.423	19.3
2,4-Dichlorophenol	0.317	0.336	0.416	0.407	0.409	0.413					0.383	11.6
1,2,4-Trichlorobenzene	0.377	0.394	0.461	0.453	0.466	0.432					0.431	8.6
Naphthalene	0.895	0.967	1.018	1.052	1.030	1.027					0.998	5.8
4-Chloroaniline	0.376	0.402	0.445	0.449	0.454	0.430					0.426	7.2
Bis(2-chloroethoxy)methane	0.442	0.429	0.458	0.480	0.497	0.480					0.464	5.6
Hexachlorobutadiene	0.227	0.228	0.281	0.273	0.286	0.274					0.261	10.2
4-Chloro-3-methylphenol	0.332	0.338	0.387	0.384	0.356	0.356					0.359	6.4
2-Methylnaphthalene	0.621	0.629	0.704	0.750	0.718	0.709					0.689	7.5
Hexachlorocyclopentadiene	0.107	0.178	0.285	0.303	0.316	0.317					0.251	35.0
2,4,6-Trichlorophenol	0.360	0.390	0.453	0.450	0.426	0.462					0.423	9.6
2,4,5-Trichlorophenol		0.419	0.503	0.474	0.483	0.511					0.478	7.5
2-Chloronaphthalene	1.067	1.157	1.260	1.301	1.208	1.312					1.217	7.7

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only SW846

6C - FORM VI VOA-3

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date(s): 05/08/2008 05/08/2008

Calibration Times: 13:00 16:54

GC Column: DB-5MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF010 = S1F6643.D RRF020 = S1F6644.D RRF050 = S1F6641.D RRF080 = S1F6646.D RRF120 = S1F6645.D
RRF601 = S1F6642.D

COMPOUND	RRF010	RRF020	RRF050	RRF080	RRF120	RRF160					RRF	% RSD
2-Nitroaniline		0.386	0.347	0.371	0.360	0.376					0.368	4.0
Dimethylphthalate	1.357	1.323	1.404	1.510	1.489	1.502					1.431	5.7
Acenaphthylene	1.560	1.593	1.670	1.685	1.714	1.767					1.665	4.6
2,6-Dinitrotoluene	0.360	0.371	0.388	0.407	0.374	0.403					0.384	4.9
3-Nitroaniline		0.309	0.310	0.328	0.303	0.318					0.314	3.1
Acenaphthene	0.987	1.027	1.090	1.141	1.105	1.096					1.075	5.3
2,4-Dinitrophenol		0.126	0.223	0.240	0.235	0.256					0.216	23.9
4-Nitrophenol		0.196	0.236	0.223	0.225	0.251					0.226	9.0
Dibenzofuran	1.522	1.610	1.710	1.741	1.717	1.721					1.670	5.1
2,4-Dinitrotoluene	0.451	0.470	0.517	0.490	0.481	0.512					0.487	5.2
Diethylphthalate	1.431	1.423	1.462	1.593	1.504	1.532					1.491	4.4
4-Chlorophenyl-phenylether	0.612	0.613	0.676	0.670	0.693	0.750					0.669	7.8
Fluorene	1.266	1.258	1.376	1.416	1.395	1.437					1.358	5.7
4-Nitroaniline		0.322	0.266	0.262	0.261	0.250					0.272	10.5
4,6-Dinitro-2-methylphenol		0.160	0.237	0.227	0.225	0.243					0.219	15.3
N-Nitrosodiphenylamine	0.647	0.654	0.816	0.757	0.786	0.800					0.743	10.0
4-Bromophenyl-phenylether	0.242	0.247	0.304	0.306	0.293	0.320					0.285	11.4
Hexachlorobenzene	0.351	0.362	0.407	0.386	0.391	0.422					0.386	6.9
Pentachlorophenol		0.125	0.205	0.191	0.212	0.242					0.195	22.2
Phenanthrene	1.111	1.056	1.359	1.290	1.328	1.343					1.248	10.5
Anthracene	1.086	1.108	1.362	1.324	1.295	1.303					1.246	9.5
Carbazole	0.981	0.973	0.956	0.885	0.903	0.953					0.942	4.1
Di-n-butylphthalate	1.513	1.505	1.837	1.696	1.712	1.760					1.671	8.1
Fluoranthene	1.068	1.063	1.421	1.276	1.291	1.427					1.258	12.9
Pyrene	1.133	1.077	1.192	1.172	1.117	1.077					1.128	4.2
Butylbenzylphthalate	0.650	0.649	0.664	0.714	0.634	0.656					0.661	4.2
3,3'-Dichlorobenzidine	0.402	0.385	0.404	0.421	0.410	0.423					0.408	3.4

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only SW846

6C - FORM VI VOA-3

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date(s): 05/08/2008 05/08/2008

Calibration Times: 13:00 16:54

GC Column: DB-5MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF010 = S1F6643.D RRF020 = S1F6644.D RRF050 = S1F6641.D RRF080 = S1F6646.D RRF120 = S1F6645.D
RRF601 = S1F6642.D

COMPOUND	RRF010	RRF020	RRF050	RRF080	RRF120	RRF160					RRF	% RSD
Benzo(a)anthracene	1.052	1.055	1.138	1.170	1.096	1.116					1.105	4.2
Chrysene	0.935	0.961	0.976	0.982	0.941	1.006					0.967	2.8
Bis(2-ethylhexyl)phthalate	0.867	0.843	0.842	0.988	0.910	0.896					0.891	6.2
Di-n-octylphthalate	1.543	1.671	1.773	1.976	1.819	2.020					1.800	10.0
Benzo(b)fluoranthene	1.083	1.120	1.222	1.343	1.595	1.871					1.372	22.3
Benzo(k)fluoranthene	1.373	1.282	1.348	1.465	1.148	1.262					1.313	8.3
Benzo(a)pyrene	1.087	1.134	1.127	1.278	1.226	1.328					1.197	8.0
Indeno(1,2,3-cd)pyrene	1.167	1.209	1.304	1.435	1.370	1.544					1.338	10.6
Dibenzo(a,h)anthracene	1.024	1.032	1.168	1.251	1.252	1.363					1.182	11.4
Benzo(g,h,i)perylene	1.030	1.041	1.122	1.184	1.142	1.266					1.131	7.9

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Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

6C - FORM VI VOA-3

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date(s): 05/08/2008 05/08/2008

Calibration Times: 13:00 16:54

GC Column: DB-5MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF010 = S1F6643.D RRF020 = S1F6644.D RRF050 = S1F6641.D RRF080 = S1F6646.D RRF120 = S1F6645.D
RRF601 = S1F6642.D

COMPOUND	RRF010	RRF020	RRF050	RRF080	RRF120	RRF160					RRF	% RSD
Nitrobenzene-d5	0.381	0.412	0.404	0.421	0.432	0.409					0.410	4.2
2-Fluorobiphenyl	1.299	1.317	1.455	1.434	1.477	1.489					1.412	5.9
Terphenyl-d14	0.819	0.820	0.875	0.898	0.849	0.909					0.862	4.5
Phenol-d5	1.558	1.696	1.838	1.746	1.829	1.925					1.765	7.3
2-Fluorophenol	1.043	1.126	1.283	1.224	1.238	1.317					1.205	8.5
2,4,6-Tribromophenol	0.196	0.203	0.256	0.226	0.232	0.247					0.227	10.4

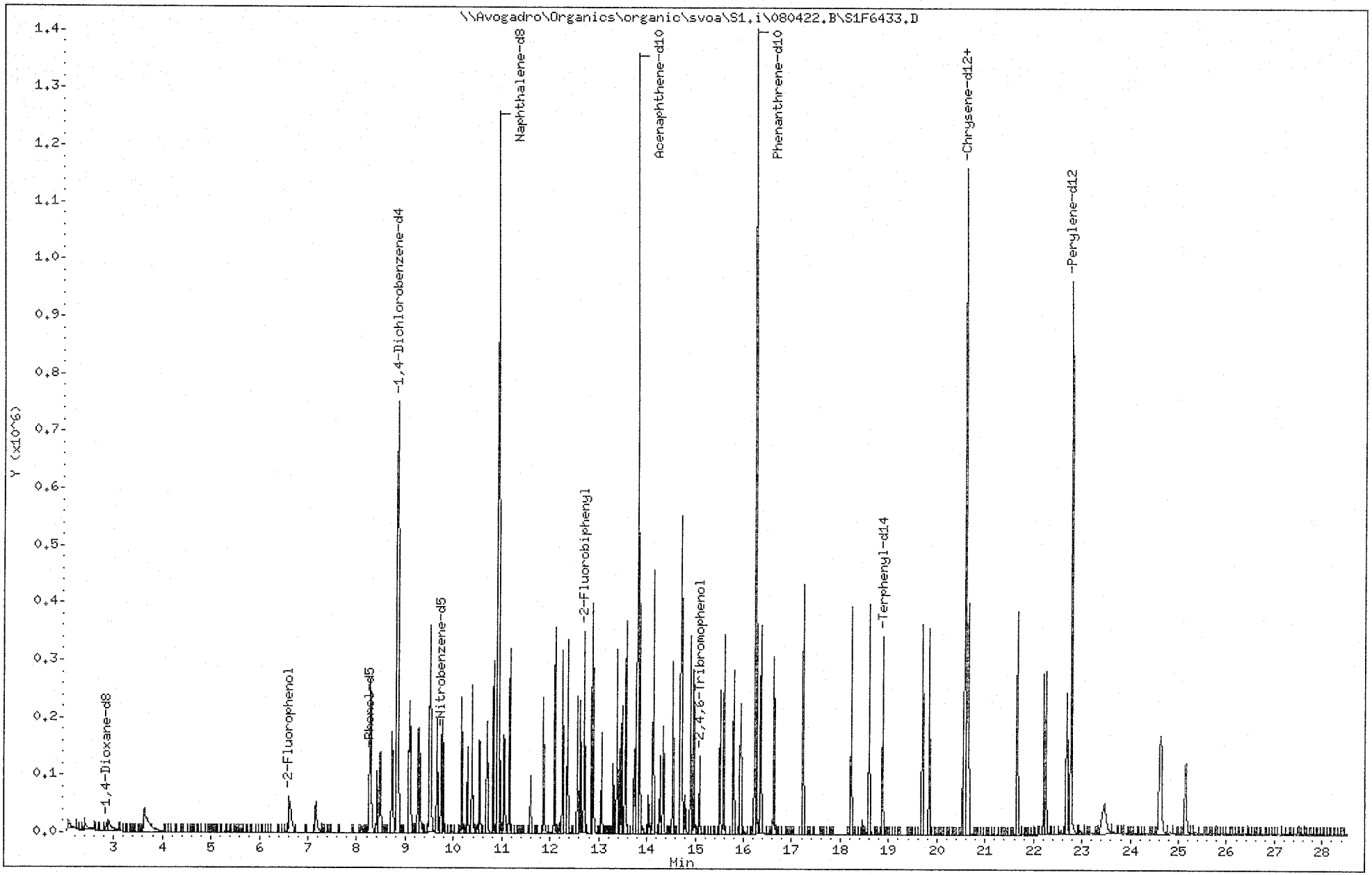
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6433.D
Date : 22-APR-2008 18:55
Client ID: SSTD0101N
Sample Info: SSTD0101N,SSTD0101N

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6433.D
Report Date: 24-Apr-2008 10:53

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6433.D
Lab Smp Id: SSTD0101N Client Smp ID: SSTD0101N
Inj Date : 22-APR-2008 18:55
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0101N,SSTD0101N
Misc Info : 1,1
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080422.B\s1_8270C_N.m
Meth Date : 24-Apr-2008 10:53 S1.i Quant Type: ISTD
Cal Date : 22-APR-2008 18:20 Cal File: S1F6432.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.855	2.847	(0.323)	31992	10.0000	10
	111 2-Butoxyethanol	57	7.155	7.157	(0.810)	48742	10.0000	9
	108 1,4-Dioxane	88	2.909	2.901	(0.330)	21791	10.0000	9
	1 N-Nitrosodimethylamine	74	3.612	3.624	(0.409)	32379	10.0000	10
	2 Pyridine	79	3.633	3.624	(0.412)	46444	10.0000	9
$	3 2-Fluorophenol	112	6.615	6.628	(0.749)	78759	10.0000	9
	101 Benzaldehyde	77	8.106	8.108	(0.918)	5193	10.0000	4
$	5 Phenol-d5	99	8.257	8.270	(0.935)	85057	10.0000	10
	6 Phenol	94	8.279	8.291	(0.938)	89710	10.0000	10
	7 Aniline	93	8.290	8.291	(0.939)	90650	10.0000	10
	8 bis(2-Chloroethyl)Ether	93	8.419	8.432	(0.954)	67723	10.0000	10
	10 2-Chlorophenol	128	8.484	8.486	(0.961)	92306	10.0000	9
	11 1,3-Dichlorobenzene	146	8.733	8.734	(0.989)	101872	10.0000	10
*	12 1,4-Dichlorobenzene-d4	152	8.830	8.832	(1.000)	261052	40.0000	(Q)
	13 1,4-Dichlorobenzene	146	8.862	8.864	(1.004)	106536	10.0000	10
	15 Benzyl Alcohol	108	9.068	9.080	(1.027)	45542	10.0000	9
	16 1,2-Dichlorobenzene	146	9.100	9.102	(1.031)	94847	10.0000	10
	17 2-Methylphenol	108	9.273	9.275	(1.050)	72594	10.0000	10
	18 2,2'-oxybis(1-Chloropropane)	45	9.305	9.307	(1.054)	81091	10.0000	10
	20 4-Methylphenol	108	9.521	9.534	(1.078)	76361	10.0000	10
	19 N-Nitroso-di-n-propylamine	70	9.510	9.523	(1.077)	38919	10.0000	9
	99 Acetophenone	105	9.500	9.512	(1.076)	99397	10.0000	10
	21 Hexachloroethane	117	9.651	9.653	(1.093)	41125	10.0000	9
$	22 Nitrobenzene-d5	82	9.737	9.750	(0.892)	65410	10.0000	10
	23 Nitrobenzene	77	9.770	9.782	(0.895)	65165	10.0000	10
	24 Isophorone	82	10.169	10.182	(0.932)	112899	10.0000	10
	25 2-Nitrophenol	139	10.299	10.301	(0.944)	48849	10.0000	10
	26 2,4-Dimethylphenol	107	10.386	10.398	(0.952)	75421	10.0000	9
	28 Benzoic Acid	105	10.494	10.582	(0.961)	7242	10.0000	3(QH)
	27 bis(2-Chloroethoxy)methane	93	10.537	10.549	(0.965)	79381	10.0000	11
	29 2,4-Dichlorophenol	162	10.699	10.701	(0.980)	70047	10.0000	10
	30 1,2,4-Trichlorobenzene	180	10.829	10.830	(0.992)	87830	10.0000	10
*	31 Naphthalene-d8	136	10.915	10.917	(1.000)	906588	40.0000	

Data File: S1F6433.D
Report Date: 24-Apr-2008 10:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	32 Naphthalene	128	10.947	10.960	(1.003)	232516	10.0000	10
	33 4-Chloroaniline	127	11.055	11.057	(1.013)	95642	10.0000	10
	34 Hexachlorobutadiene	225	11.163	11.165	(1.023)	51343	10.0000	10
	102 Caprolactam	113	11.596	11.662	(1.062)	23153	10.0000	9(Q)
	35 4-Chloro-3-Methylphenol	107	11.866	11.878	(1.087)	67798	10.0000	11
	36 2-Methylnaphthalene	142	12.093	12.094	(1.108)	135835	10.0000	10
	38 Hexachlorocyclopentadiene	237	12.352	12.354	(0.895)	9573	10.0000	4
	39 2,4,6-Trichlorophenol	196	12.557	12.570	(0.910)	52194	10.0000	9
	40 2,4,5-Trichlorophenol	196	12.622	12.635	(0.915)	52693	10.0000	8
$	41 2-Fluorobiphenyl	172	12.698	12.710	(0.920)	168234	10.0000	10
	98 1,1'-Biphenyl	154	12.860	12.872	(0.932)	171235	10.0000	10
	42 2-Chloronaphthalene	162	12.892	12.894	(0.934)	140124	10.0000	10
	43 2-Nitroaniline	65	13.065	13.077	(0.947)	35757	10.0000	10
	44 Dimethylphthalate	163	13.378	13.402	(0.969)	180163	10.0000	10
	45 2,6-Dinitrotoluene	165	13.475	13.488	(0.977)	47209	10.0000	10
	46 Acenaphthylene	152	13.562	13.574	(0.983)	216918	10.0000	10
	47 3-Nitroaniline	138	13.735	13.758	(0.995)	38251	10.0000	10
*	48 Acenaphthene-d10	164	13.799	13.812	(1.000)	485644	40.0000	
	49 Acenaphthene	153	13.854	13.866	(1.004)	129930	10.0000	10
	50 2,4-Dinitrophenol	184	13.918	13.931	(1.009)	3392	10.0000	2(Q)
	51 4-Nitrophenol	109	14.037	14.050	(1.017)	17355	10.0000	8
	53 2,4-Dinitrotoluene	165	14.124	14.147	(1.023)	54018	10.0000	10
	52 Dibenzofuran	168	14.134	14.147	(1.024)	191027	10.0000	10
	110 2,3,4,6-Tetrachlorophenol	232	14.340	14.352	(1.039)	35905	10.0000	8
	54 Diethylphthalate	149	14.545	14.558	(1.054)	191959	10.0000	10
	56 4-Chlorophenyl-phenylether	204	14.707	14.720	(1.066)	82497	10.0000	10
	55 Fluorene	166	14.696	14.709	(1.065)	159437	10.0000	10
	57 4-Nitroaniline	138	14.729	14.752	(1.067)	38222	10.0000	12
	58 4,6-Dinitro-2-methylphenol	198	14.793	14.806	(0.911)	15722	10.0000	5(Q)
	59 N-Nitrosodiphenylamine	169	14.901	14.925	(0.918)	130549	10.0000	10
	97 Azobenzene	77	14.966	14.979	(0.922)	129753	10.0000	10
$	60 2,4,6-Tribromophenol	330	15.096	15.109	(0.929)	30185	10.0000	9
	61 4-Bromophenyl-phenylether	248	15.517	15.519	(0.955)	50645	10.0000	10
	62 Hexachlorobenzene	284	15.593	15.606	(0.960)	68323	10.0000	11
	100 Atrazine	200	15.798	15.822	(0.973)	45015	10.0000	10
	63 Pentachlorophenol	266	15.928	15.940	(0.981)	7992	10.0000	3
*	64 Phenanthrene-d10	188	16.241	16.243	(1.000)	757654	40.0000	
	65 Phenanthrene	178	16.273	16.286	(1.002)	219477	10.0000	10
	66 Anthracene	178	16.360	16.373	(1.007)	223109	10.0000	10
	67 Carbazole	167	16.630	16.643	(1.024)	191455	10.0000	12
	68 Di-n-butylphthalate	149	17.235	17.248	(1.061)	316854	10.0000	10
	69 Fluoranthene	202	18.229	18.242	(1.122)	232763	10.0000	10
	70 Benzidine	184	18.467	18.468	(0.897)	21403	10.0000	6
	71 Pyrene	202	18.596	18.609	(0.903)	239294	10.0000	10
$	72 Terphenyl-d14	244	18.877	18.879	(0.917)	158700	10.0000	10
	73 Butylbenzylphthalate	149	19.698	19.700	(0.957)	133536	10.0000	10
	74 3,3'-Dichlorobenzidine	252	20.541	20.543	(0.998)	60272	10.0000	12
	78 bis(2-Ethylhexyl)phthalate	149	20.649	20.651	(1.003)	176557	10.0000	10
	75 Benzo(a)anthracene	228	20.573	20.575	(0.999)	193079	10.0000	10
*	76 Chrysene-d12	240	20.584	20.597	(1.000)	656054	40.0000	
	77 Chrysene	228	20.627	20.640	(1.002)	176101	10.0000	10
	79 Di-n-octylphthalate	149	21.664	21.666	(0.951)	290992	10.0000	9
	80 Benzo(b)fluoranthene	252	22.215	22.228	(0.975)	183278	10.0000	9
	81 Benzo(k)fluoranthene	252	22.259	22.271	(0.977)	194744	10.0000	10

Data File: S1F6433.D
Report Date: 24-Apr-2008 10:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
82 Benzo(a)pyrene	252	22.691	22.703	(0.996)	165181	10.0000	10
* 83 Perylene-d12	264	22.777	22.779	(1.000)	575867	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	24.603	24.637	(1.080)	172024	10.0000	10
85 Dibenzo(a,h)anthracene	278	24.635	24.670	(1.082)	138589	10.0000	10
86 Benzo(g,h,i)perylene	276	25.154	25.188	(1.104)	141622	10.0000	10

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

04/24/08 BM

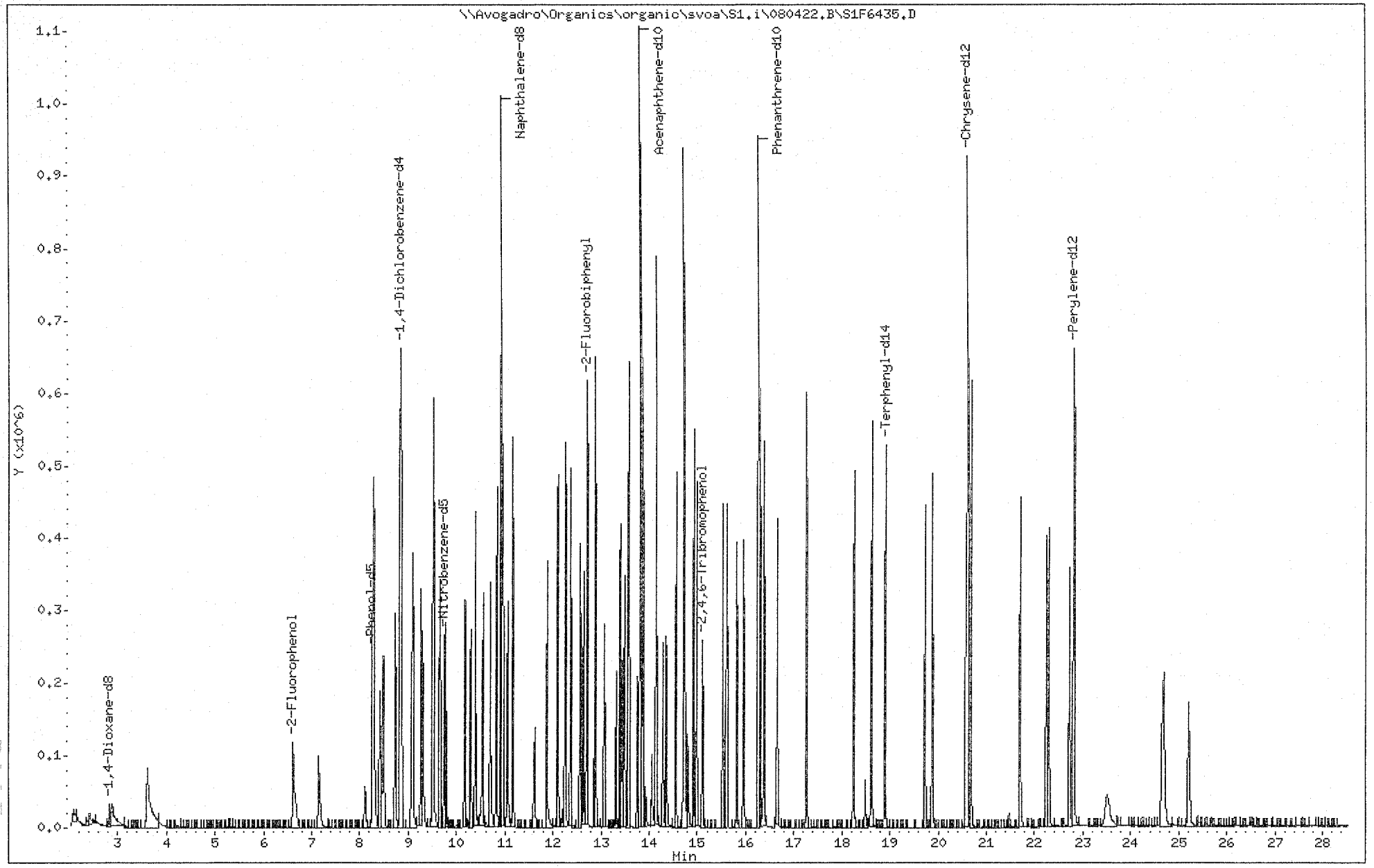
4/24/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6435.D
Date : 22-APR-2008 20:35
Client ID: SSTD0201N
Sample Info: SSTD0201N,SSTD0201N

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6435.D
Report Date: 24-Apr-2008 10:53

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6435.D
Lab Smp Id: SSTD0201N Client Smp ID: SSTD0201N
Inj Date : 22-APR-2008 20:35
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Smp Info : SSTD0201N,SSTD0201N
Misc Info : 1,2
Comment :
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Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.832	2.847	(0.321)	55620	20.0000	20
	111 2-Butoxyethanol	57	7.143	7.157	(0.809)	88379	20.0000	19
	108 1,4-Dioxane	88	2.886	2.901	(0.327)	37854	20.0000	20
	1 N-Nitrosodimethylamine	74	3.599	3.624	(0.408)	56227	20.0000	20
	2 Pyridine	79	3.610	3.624	(0.409)	79931	20.0000	20
$	3 2-Fluorophenol	112	6.614	6.628	(0.749)	137772	20.0000	20
	101 Benzaldehyde	77	8.105	8.108	(0.918)	20710	20.0000	20
$	5 Phenol-d5	99	8.256	8.270	(0.935)	150093	20.0000	21
	6 Phenol	94	8.277	8.291	(0.938)	148182	20.0000	20
	7 Aniline	93	8.288	8.291	(0.939)	152846	20.0000	20
	8 bis(2-Chloroethyl)Ether	93	8.418	8.432	(0.953)	117801	20.0000	21
	10 2-Chlorophenol	128	8.483	8.486	(0.961)	158284	20.0000	20
	11 1,3-Dichlorobenzene	146	8.731	8.734	(0.989)	166687	20.0000	20
*	12 1,4-Dichlorobenzene-d4	152	8.828	8.832	(1.000)	211750	40.0000	(Q)
	13 1,4-Dichlorobenzene	146	8.850	8.864	(1.002)	171647	20.0000	20
	15 Benzyl Alcohol	108	9.066	9.080	(1.027)	75008	20.0000	19
	16 1,2-Dichlorobenzene	146	9.098	9.102	(1.031)	156121	20.0000	20
	17 2-Methylphenol	108	9.271	9.275	(1.050)	124494	20.0000	21
	18 2,2'-oxybis(1-Chloropropane)	45	9.304	9.307	(1.054)	141151	20.0000	21
	20 4-Methylphenol	108	9.531	9.534	(1.080)	121159	20.0000	19
	19 N-Nitroso-di-n-propylamine	70	9.509	9.523	(1.077)	68362	20.0000	20
	99 Acetophenone	105	9.498	9.512	(1.076)	168458	20.0000	20
	21 Hexachloroethane	117	9.649	9.653	(1.093)	71671	20.0000	20
$	22 Nitrobenzene-d5	82	9.747	9.750	(0.893)	112345	20.0000	20
	23 Nitrobenzene	77	9.779	9.782	(0.896)	107371	20.0000	19
	24 Isophorone	82	10.179	10.182	(0.933)	182366	20.0000	20
	25 2-Nitrophenol	139	10.298	10.301	(0.944)	83351	20.0000	19
	26 2,4-Dimethylphenol	107	10.384	10.398	(0.951)	132798	20.0000	19(Q)
	28 Benzoic Acid	105	10.525	10.582	(0.964)	21649	20.0000	11(QH)
	27 bis(2-Chloroethoxy)methane	93	10.546	10.549	(0.966)	127568	20.0000	20
	29 2,4-Dichlorophenol	162	10.697	10.701	(0.980)	113622	20.0000	18
	30 1,2,4-Trichlorobenzene	180	10.827	10.830	(0.992)	139990	20.0000	19
*	31 Naphthalene-d8	136	10.913	10.917	(1.000)	788765	40.0000	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	32 Naphthalene	128	10.957	10.960	(1.004)	395169	20.0000	20
	33 4-Chloroaniline	127	11.054	11.057	(1.013)	153621	20.0000	19
	34 Hexachlorobutadiene	225	11.162	11.165	(1.023)	85230	20.0000	19
	102 Caprolactam	113	11.616	11.662	(1.064)	39498	20.0000	18
	35 4-Chloro-3-Methylphenol	107	11.875	11.878	(1.088)	103602	20.0000	19
	36 2-Methylnaphthalene	142	12.102	12.094	(1.109)	223796	20.0000	19
	38 Hexachlorocyclopentadiene	237	12.361	12.354	(0.895)	24071	20.0000	13
	39 2,4,6-Trichlorophenol	196	12.566	12.570	(0.910)	80385	20.0000	18
	40 2,4,5-Trichlorophenol	196	12.631	12.635	(0.915)	88744	20.0000	18
$	41 2-Fluorobiphenyl	172	12.707	12.710	(0.920)	284191	20.0000	21
	98 1,1'-Biphenyl	154	12.869	12.872	(0.932)	273262	20.0000	20
	42 2-Chloronaphthalene	162	12.901	12.894	(0.934)	225938	20.0000	20
	43 2-Nitroaniline	65	13.074	13.077	(0.947)	54295	20.0000	18
	44 Dimethylphthalate	163	13.398	13.402	(0.970)	269581	20.0000	19
	45 2,6-Dinitrotoluene	165	13.485	13.488	(0.977)	69687	20.0000	19
	46 Acenaphthylene	152	13.571	13.574	(0.983)	341813	20.0000	20
	47 3-Nitroaniline	138	13.755	13.758	(0.996)	61980	20.0000	20
*	48 Acenaphthene-d10	164	13.809	13.812	(1.000)	390416	40.0000	
	49 Acenaphthene	153	13.863	13.866	(1.004)	208913	20.0000	19
	50 2,4-Dinitrophenol	184	13.928	13.931	(1.009)	13956	20.0000	9
	51 4-Nitrophenol	109	14.057	14.050	(1.018)	21596	20.0000	13
	53 2,4-Dinitrotoluene	165	14.144	14.147	(1.024)	84924	20.0000	19
	52 Dibenzofuran	168	14.144	14.147	(1.024)	305913	20.0000	19
	110 2,3,4,6-Tetrachlorophenol	232	14.360	14.352	(1.040)	61187	20.0000	18
	54 Diethylphthalate	149	14.554	14.558	(1.054)	283278	20.0000	19
	56 4-Chlorophenyl-phenylether	204	14.727	14.720	(1.066)	129852	20.0000	19
	55 Fluorene	166	14.716	14.709	(1.066)	246058	20.0000	20
	57 4-Nitroaniline	138	14.749	14.752	(1.068)	55779	20.0000	22
	58 4,6-Dinitro-2-methylphenol	198	14.814	14.806	(0.911)	33608	20.0000	14(Q)
	59 N-Nitrosodiphenylamine	169	14.922	14.925	(0.918)	199238	20.0000	21
	97 Azobenzene	77	14.986	14.979	(0.922)	209599	20.0000	22
$	60 2,4,6-Tribromophenol	330	15.105	15.109	(0.929)	48712	20.0000	19
	61 4-Bromophenyl-phenylether	248	15.527	15.519	(0.955)	77111	20.0000	20
	62 Hexachlorobenzene	284	15.613	15.606	(0.960)	99663	20.0000	21
	100 Atrazine	200	15.818	15.822	(0.973)	68297	20.0000	21
	63 Pentachlorophenol	266	15.948	15.940	(0.981)	16995	20.0000	10
*	64 Phenanthrene-d10	188	16.261	16.243	(1.000)	562328	40.0000	
	65 Phenanthrene	178	16.294	16.286	(1.002)	344128	20.0000	20
	66 Anthracene	178	16.380	16.373	(1.007)	326010	20.0000	20
	67 Carbazole	167	16.650	16.643	(1.024)	256636	20.0000	22
	68 Di-n-butylphthalate	149	17.255	17.248	(1.061)	453044	20.0000	20
	69 Fluoranthene	202	18.249	18.242	(1.122)	319186	20.0000	19
	70 Benzidine	184	18.487	18.468	(0.897)	41628	20.0000	17
	71 Pyrene	202	18.616	18.609	(0.903)	349762	20.0000	21
$	72 Terphenyl-d14	244	18.897	18.879	(0.917)	230033	20.0000	20
	73 Butylbenzylphthalate	149	19.729	19.700	(0.957)	188287	20.0000	20
	74 3,3'-Dichlorobenzidine	252	20.572	20.543	(0.998)	80649	20.0000	22
	78 bis(2-Ethylhexyl)phthalate	149	20.680	20.651	(1.003)	269010	20.0000	20
	75 Benzo(a)anthracene	228	20.593	20.575	(0.999)	276374	20.0000	20
*	76 Chrysene-d12	240	20.615	20.597	(1.000)	469371	40.0000	
	77 Chrysene	228	20.658	20.640	(1.002)	264319	20.0000	20
	79 Di-n-octylphthalate	149	21.695	21.666	(0.951)	395537	20.0000	18
	80 Benzo(b)fluoranthene	252	22.246	22.228	(0.975)	256555	20.0000	18
	81 Benzo(k)fluoranthene	252	22.290	22.271	(0.977)	261068	20.0000	20

Data File: S1F6435.D
Report Date: 24-Apr-2008 10:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
82 Benzo(a)pyrene	252	22.722	22.703	(0.996)	239433	20.0000	20
* 83 Perylene-d12	264	22.808	22.779	(1.000)	398555	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	24.666	24.637	(1.081)	231700	20.0000	20
85 Dibenzo(a,h)anthracene	278	24.699	24.670	(1.083)	194953	20.0000	20
86 Benzo(g,h,i)perylene	276	25.207	25.188	(1.105)	199446	20.0000	21

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

04/24/08 BM

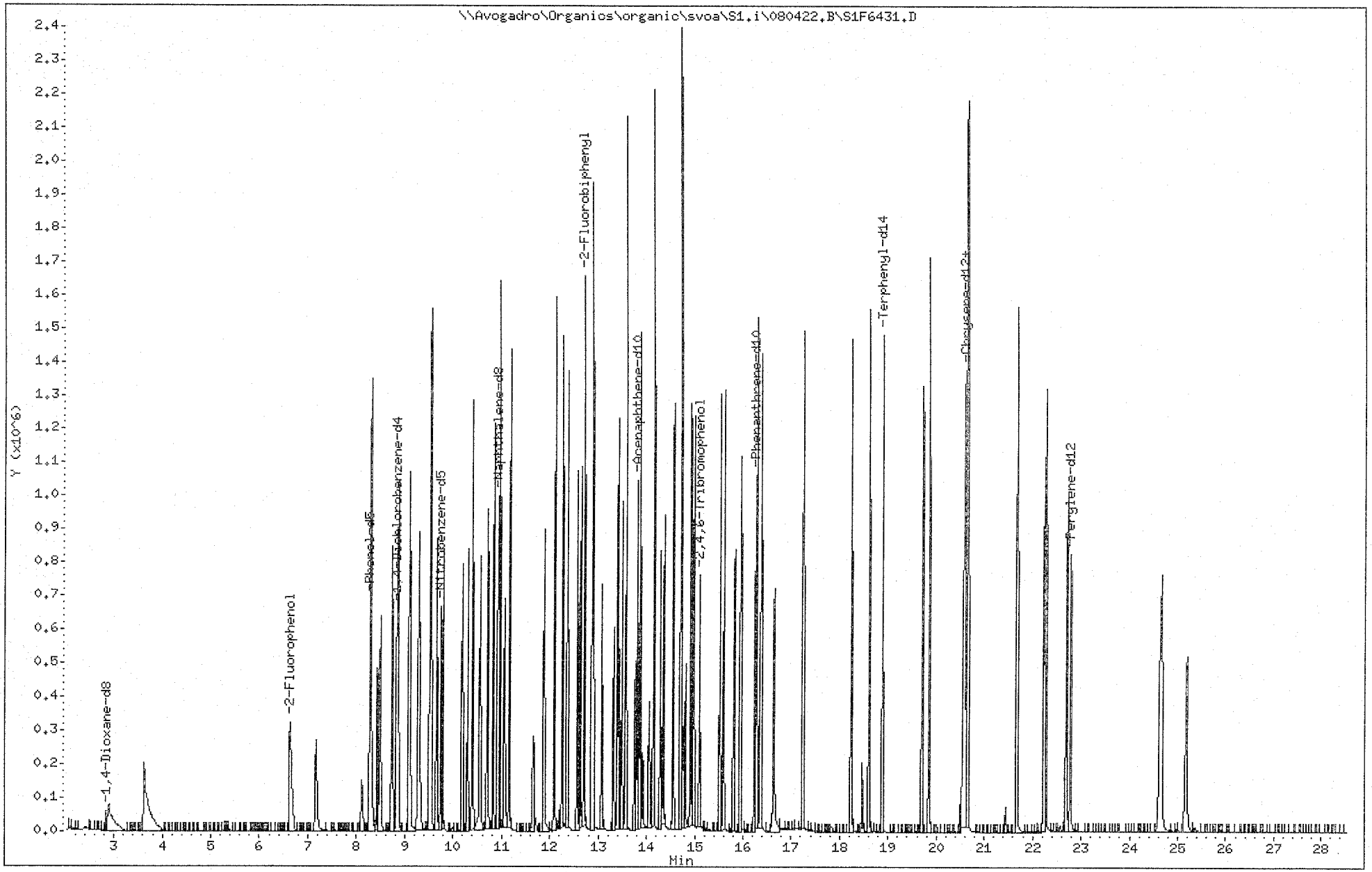
04/24/08

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Sample Info: SSTD0501N,SSTD0501N

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6431.D
Report Date: 24-Apr-2008 10:53

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6431.D
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Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	
$	109 1,4-Dioxane-d8	96	2.847	2.847	(0.322)	138062	50.0000	48	
	111 2-Butoxyethanol	57	7.157	7.157	(0.810)	245674	50.0000	51	
	108 1,4-Dioxane	88	2.901	2.901	(0.328)	97959	50.0000	50	
	1 N-Nitrosodimethylamine	74	3.624	3.624	(0.410)	140247	50.0000	49	
	2 Pyridine	79	3.624	3.624	(0.410)	210142	50.0000	49	
$	3 2-Fluorophenol	112	6.628	6.628	(0.750)	375492	50.0000	51	
	101 Benzaldehyde	77	8.108	8.108	(0.918)	59252	50.0000	55	
$	5 Phenol-d5	99	8.270	8.270	(0.936)	381882	50.0000	50	
	6 Phenol	94	8.291	8.291	(0.939)	391987	50.0000	51	
	7 Aniline	93	8.291	8.291	(0.939)	398807	50.0000	50	
	8 bis(2-Chloroethyl)Ether	93	8.432	8.432	(0.955)	297089	50.0000	51	
	10 2-Chlorophenol	128	8.486	8.486	(0.961)	437455	50.0000	52	
	11 1,3-Dichlorobenzene	146	8.734	8.734	(0.989)	461821	50.0000	52	
*	12 1,4-Dichlorobenzene-d4	152	8.832	8.832	(1.000)	222492	40.0000	(Q)	
	13 1,4-Dichlorobenzene	146	8.864	8.864	(1.004)	463605	50.0000	50	
	15 Benzyl Alcohol	108	9.080	9.080	(1.028)	224332	50.0000	53	
	16 1,2-Dichlorobenzene	146	9.102	9.102	(1.031)	421918	50.0000	50	
	17 2-Methylphenol	108	9.275	9.275	(1.050)	316040	50.0000	50	
	18 2,2'-oxybis(1-Chloropropane)	45	9.307	9.307	(1.054)	352469	50.0000	49	
	20 4-Methylphenol	108	9.534	9.534	(1.080)	338467	50.0000	52	
	19 N-Nitroso-di-n-propylamine	70	9.523	9.523	(1.078)	178290	50.0000	50	
	99 Acetophenone	105	9.512	9.512	(1.077)	437493	50.0000	50	
	21 Hexachloroethane	117	9.653	9.653	(1.093)	189329	50.0000	51	
$	22 Nitrobenzene-d5	82	9.750	9.750	(0.893)	284819	50.0000	50	
	23 Nitrobenzene	77	9.782	9.782	(0.896)	278766	50.0000	49	
	24 Isophorone	82	10.182	10.182	(0.933)	483561	50.0000	51	
	25 2-Nitrophenol	139	10.301	10.301	(0.944)	230823	50.0000	52	
	26 2,4-Dimethylphenol	107	10.398	10.398	(0.953)	374615	50.0000	52	
	28 Benzoic Acid	105	10.582	10.582	(0.969)	100939	50.0000	51(Q)	
	27 bis(2-Chloroethoxy)methane	93	10.549	10.549	(0.966)	326284	50.0000	50	
	29 2,4-Dichlorophenol	162	10.701	10.701	(0.980)	315269	50.0000	50	
	30 1,2,4-Trichlorobenzene	180	10.830	10.830	(0.992)	376047	50.0000	51	
*	31 Naphthalene-d8	136	10.917	10.917	(1.000)	802966	40.0000		

Data File: S1F6431.D
Report Date: 24-Apr-2008 10:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	32 Naphthalene	128	10.960	10.960	(1.004)	1022439	50.0000	50
	33 4-Chloroaniline	127	11.057	11.057	(1.013)	387261	50.0000	47
	34 Hexachlorobutadiene	225	11.165	11.165	(1.023)	228080	50.0000	51
	102 Caprolactam	113	11.662	11.662	(1.068)	112892	50.0000	52
	35 4-Chloro-3-Methylphenol	107	11.878	11.878	(1.088)	294825	50.0000	52
	36 2-Methylnaphthalene	142	12.094	12.094	(1.108)	630457	50.0000	52
	38 Hexachlorocyclopentadiene	237	12.354	12.354	(0.894)	106367	50.0000	54
	39 2,4,6-Trichlorophenol	196	12.570	12.570	(0.910)	240496	50.0000	51
	40 2,4,5-Trichlorophenol	196	12.635	12.635	(0.915)	265285	50.0000	51
$	41 2-Fluorobiphenyl	172	12.710	12.710	(0.920)	698885	50.0000	49
	98 1,1'-Biphenyl	154	12.872	12.872	(0.932)	748701	50.0000	52
	42 2-Chloronaphthalene	162	12.894	12.894	(0.934)	619423	50.0000	51
	43 2-Nitroaniline	65	13.077	13.077	(0.947)	153469	50.0000	50
	44 Dimethylphthalate	163	13.402	13.402	(0.970)	741361	50.0000	50
	45 2,6-Dinitrotoluene	165	13.488	13.488	(0.977)	199287	50.0000	51
	46 Acenaphthylene	152	13.574	13.574	(0.983)	948522	50.0000	52
	47 3-Nitroaniline	138	13.758	13.758	(0.996)	149291	50.0000	46
*	48 Acenaphthene-d10	164	13.812	13.812	(1.000)	409023	40.0000	
	49 Acenaphthene	153	13.866	13.866	(1.004)	566226	50.0000	50
	50 2,4-Dinitrophenol	184	13.931	13.931	(1.009)	65306	50.0000	39
	51 4-Nitrophenol	109	14.050	14.050	(1.017)	83481	50.0000	48(Q)
	53 2,4-Dinitrotoluene	165	14.147	14.147	(1.024)	244162	50.0000	51
	52 Dibenzofuran	168	14.147	14.147	(1.024)	847472	50.0000	52
	110 2,3,4,6-Tetrachlorophenol	232	14.352	14.352	(1.039)	182856	50.0000	51
	54 Diethylphthalate	149	14.558	14.558	(1.054)	810721	50.0000	51
	56 4-Chlorophenyl-phenylether	204	14.720	14.720	(1.066)	371907	50.0000	52
	55 Fluorene	166	14.709	14.709	(1.065)	669207	50.0000	51
	57 4-Nitroaniline	138	14.752	14.752	(1.068)	128223	50.0000	49
	58 4,6-Dinitro-2-methylphenol	198	14.806	14.806	(0.912)	120301	50.0000	44
	59 N-Nitrosodiphenylamine	169	14.925	14.925	(0.919)	568900	50.0000	52
	97 Azobenzene	77	14.979	14.979	(0.922)	550091	50.0000	50
$	60 2,4,6-Tribromophenol	330	15.109	15.109	(0.930)	149372	50.0000	51
	61 4-Bromophenyl-phenylether	248	15.519	15.519	(0.955)	215163	50.0000	50
	62 Hexachlorobenzene	284	15.606	15.606	(0.961)	272504	50.0000	50
	100 Atrazine	200	15.822	15.822	(0.974)	184325	50.0000	49
	63 Pentachlorophenol	266	15.940	15.940	(0.981)	95625	50.0000	47
*	64 Phenanthrene-d10	188	16.243	16.243	(1.000)	642800	40.0000	
	65 Phenanthrene	178	16.286	16.286	(1.003)	950681	50.0000	50
	66 Anthracene	178	16.373	16.373	(1.008)	911594	50.0000	48
	67 Carbazole	167	16.643	16.643	(1.025)	611875	50.0000	47
	68 Di-n-butylphthalate	149	17.248	17.248	(1.062)	1332787	50.0000	50
	69 Fluoranthene	202	18.242	18.242	(1.123)	958025	50.0000	50
	70 Benzidine	184	18.468	18.468	(0.897)	121379	50.0000	42
	71 Pyrene	202	18.609	18.609	(0.903)	982562	50.0000	48
$	72 Terphenyl-d14	244	18.879	18.879	(0.917)	688312	50.0000	50
	73 Butylbenzylphthalate	149	19.700	19.700	(0.956)	567017	50.0000	49
	74 3,3'-Dichlorobenzidine	252	20.543	20.543	(0.997)	193432	50.0000	44
	78 bis(2-Ethylhexyl)phthalate	149	20.651	20.651	(1.003)	841212	50.0000	52
	75 Benzo(a)anthracene	228	20.575	20.575	(0.999)	818403	50.0000	48
*	76 Chrysene-d12	240	20.597	20.597	(1.000)	571191	40.0000	
	77 Chrysene	228	20.640	20.640	(1.002)	776483	50.0000	50
	79 Di-n-octylphthalate	149	21.666	21.666	(0.951)	1360576	50.0000	48
	80 Benzo(b)fluoranthene	252	22.228	22.228	(0.976)	795124	50.0000	44
	81 Benzo(k)fluoranthene	252	22.271	22.271	(0.978)	763864	50.0000	45

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	82 Benzo(a)pyrene	252	22.703	22.703	(0.997)	697412	50.0000	45
*	83 Perylene-d12	264	22.779	22.779	(1.000)	514143	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	24.637	24.637	(1.082)	780600	50.0000	52
	85 Dibenzo(a,h)anthracene	278	24.670	24.670	(1.083)	652804	50.0000	52
	86 Benzo(g,h,i)perylene	276	25.188	25.188	(1.106)	648090	50.0000	53

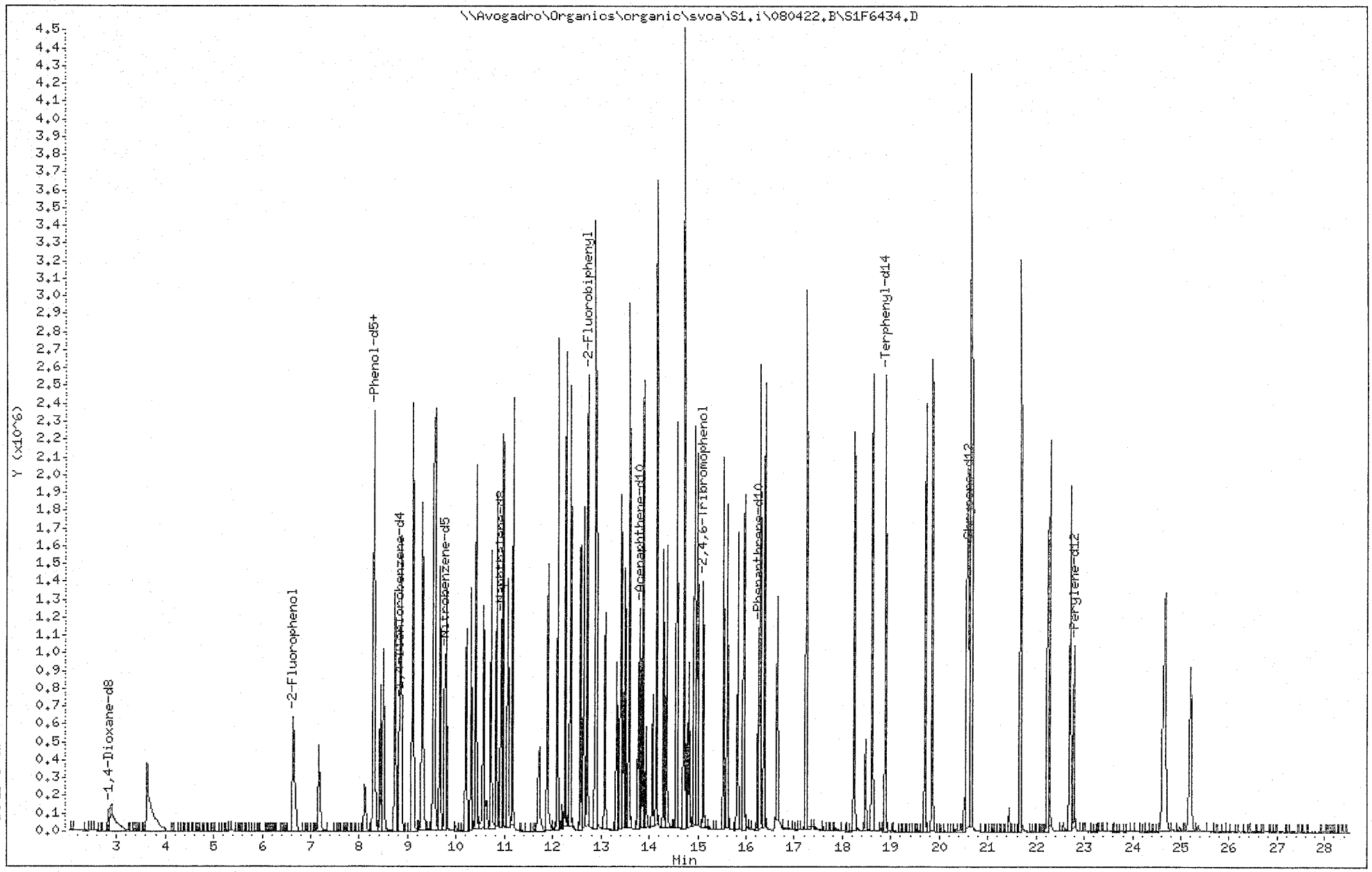
QC Flag Legend

Q - Qualifier signal failed the ratio test.

04/24/08
BM

04/24/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6434.D
Date : 22-APR-2008 19:32
Client ID: SSTD0801N
Instrument: S1.i
Sample Info: SSTD0801N,SSTD0801N
Operator: DK SRC: DK
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F6434.D
Report Date: 24-Apr-2008 10:53

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6434.D
Lab Smp Id: SSTD0801N Client Smp ID: SSTD0801N
Inj Date : 22-APR-2008 19:32
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0801N,SSTD0801N
Misc Info : 1,4
Comment :
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Meth Date : 24-Apr-2008 10:53 S1.i Quant Type: ISTD
Cal Date : 22-APR-2008 18:55 Cal File: S1F6433.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
$	109 1,4-Dioxane-d8	96	2.845	2.847	(0.322)	244217	80.0000	79
	111 2-Butoxyethanol	57	7.166	7.157	(0.812)	430456	80.0000	83
	108 1,4-Dioxane	88	2.899	2.901	(0.328)	168367	80.0000	79
	1 N-Nitrosodimethylamine	74	3.633	3.624	(0.412)	245139	80.0000	79
	2 Pyridine	79	3.623	3.624	(0.410)	371340	80.0000	80
$	3 2-Fluorophenol	112	6.637	6.628	(0.752)	642048	80.0000	80
	101 Benzaldehyde	77	8.106	8.108	(0.918)	116648	80.0000	100
$	5 Phenol-d5	99	8.290	8.270	(0.939)	666815	80.0000	81
	6 Phenol	94	8.311	8.291	(0.941)	682201	80.0000	81
	7 Aniline	93	8.301	8.291	(0.940)	720964	80.0000	83
	8 bis(2-Chloroethyl)Ether	93	8.441	8.432	(0.956)	504082	80.0000	80
	10 2-Chlorophenol	128	8.495	8.486	(0.962)	749099	80.0000	82
	11 1,3-Dichlorobenzene	146	8.733	8.734	(0.989)	760240	80.0000	80
*	12 1,4-Dichlorobenzene-d4	152	8.830	8.832	(1.000)	240962	40.0000	(Q)
	13 1,4-Dichlorobenzene	146	8.862	8.864	(1.004)	807135	80.0000	81
	15 Benzyl Alcohol	108	9.089	9.080	(1.029)	366845	80.0000	80
	16 1,2-Dichlorobenzene	146	9.111	9.102	(1.032)	727781	80.0000	80
	17 2-Methylphenol	108	9.294	9.275	(1.053)	540747	80.0000	80
	18 2,2'-oxybis(1-Chloropropane)	45	9.316	9.307	(1.055)	621725	80.0000	80
	20 4-Methylphenol	108	9.554	9.534	(1.082)	577976	80.0000	81
	19 N-Nitroso-di-n-propylamine	70	9.543	9.523	(1.081)	312003	80.0000	81
	99 Acetophenone	105	9.521	9.512	(1.078)	805237	80.0000	84
	21 Hexachloroethane	117	9.662	9.653	(1.094)	331388	80.0000	82
$	22 Nitrobenzene-d5	82	9.759	9.750	(0.893)	501868	80.0000	78
	23 Nitrobenzene	77	9.791	9.782	(0.896)	525230	80.0000	83
	24 Isophorone	82	10.202	10.182	(0.934)	828578	80.0000	78
	25 2-Nitrophenol	139	10.310	10.301	(0.944)	400098	80.0000	80
	26 2,4-Dimethylphenol	107	10.407	10.398	(0.953)	664323	80.0000	82
	28 Benzoic Acid	105	10.623	10.582	(0.972)	235733	80.0000	110(Q)
	27 bis(2-Chloroethoxy)methane	93	10.558	10.549	(0.966)	579897	80.0000	79
	29 2,4-Dichlorophenol	162	10.720	10.701	(0.981)	582277	80.0000	83
	30 1,2,4-Trichlorobenzene	180	10.839	10.830	(0.992)	639087	80.0000	78
*	31 Naphthalene-d8	136	10.926	10.917	(1.000)	899975	40.0000	

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			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
	32	Naphthalene	128	10.969	10.960	(1.004)	1828695	80.0000	80
	33	4-Chloroaniline	127	11.066	11.057	(1.013)	740265	80.0000	80
	34	Hexachlorobutadiene	225	11.163	11.165	(1.022)	422545	80.0000	84
	102	Caprolactam	113	11.725	11.662	(1.073)	197594	80.0000	81
	35	4-Chloro-3-Methylphenol	107	11.898	11.878	(1.089)	517302	80.0000	82
	36	2-Methylnaphthalene	142	12.103	12.094	(1.108)	1087898	80.0000	80
	38	Hexachlorocyclopentadiene	237	12.363	12.354	(0.895)	208992	80.0000	98
	39	2,4,6-Trichlorophenol	196	12.579	12.570	(0.911)	429129	80.0000	85
	40	2,4,5-Trichlorophenol	196	12.644	12.635	(0.916)	476881	80.0000	85
$	41	2-Fluorobiphenyl	172	12.719	12.710	(0.921)	1252840	80.0000	81
	98	1,1'-Biphenyl	154	12.881	12.872	(0.933)	1287509	80.0000	83
	42	2-Chloronaphthalene	162	12.903	12.894	(0.934)	1057335	80.0000	81
	43	2-Nitroaniline	65	13.086	13.077	(0.948)	284531	80.0000	85
	44	Dimethylphthalate	163	13.411	13.402	(0.971)	1345982	80.0000	83
	45	2,6-Dinitrotoluene	165	13.497	13.488	(0.977)	354337	80.0000	84
	46	Acenaphthylene	152	13.583	13.574	(0.984)	1587435	80.0000	81
	47	3-Nitroaniline	138	13.767	13.758	(0.997)	294305	80.0000	84
*	48	Acenaphthene-d10	164	13.810	13.812	(1.000)	441820	40.0000	
	49	Acenaphthene	153	13.875	13.866	(1.005)	1037521	80.0000	85
	50	2,4-Dinitrophenol	184	13.940	13.931	(1.009)	172558	80.0000	96(Q)
	51	4-Nitrophenol	109	14.070	14.050	(1.019)	170095	80.0000	91
	53	2,4-Dinitrotoluene	165	14.156	14.147	(1.025)	433607	80.0000	84
	52	Dibenzofuran	168	14.156	14.147	(1.025)	1497650	80.0000	84
	110	2,3,4,6-Tetrachlorophenol	232	14.361	14.352	(1.040)	334902	80.0000	86
	54	Diethylphthalate	149	14.567	14.558	(1.055)	1405285	80.0000	82
	56	4-Chlorophenyl-phenylether	204	14.729	14.720	(1.066)	653359	80.0000	84
	55	Fluorene	166	14.718	14.709	(1.066)	1157964	80.0000	82
	57	4-Nitroaniline	138	14.772	14.752	(1.070)	238062	80.0000	84
	58	4,6-Dinitro-2-methylphenol	198	14.826	14.806	(0.912)	264452	80.0000	88(Q)
	59	N-Nitrosodiphenylamine	169	14.934	14.925	(0.919)	965095	80.0000	79
	97	Azobenzene	77	14.988	14.979	(0.922)	971205	80.0000	79
$	60	2,4,6-Tribromophenol	330	15.118	15.109	(0.930)	272636	80.0000	84
	61	4-Bromophenyl-phenylether	248	15.528	15.519	(0.955)	384721	80.0000	80
	62	Hexachlorobenzene	284	15.615	15.606	(0.961)	454815	80.0000	75
	100	Atrazine	200	15.831	15.822	(0.974)	337238	80.0000	81
	63	Pentachlorophenol	266	15.939	15.940	(0.981)	206988	80.0000	91
*	64	Phenanthrene-d10	188	16.252	16.243	(1.000)	712711	40.0000	
	65	Phenanthrene	178	16.295	16.286	(1.003)	1677379	80.0000	79
	66	Anthracene	178	16.382	16.373	(1.008)	1619573	80.0000	78
	67	Carbazole	167	16.641	16.643	(1.024)	1021333	80.0000	70
	68	Di-n-butylphthalate	149	17.246	17.248	(1.061)	2447709	80.0000	83
	69	Fluoranthene	202	18.240	18.242	(1.122)	1775141	80.0000	83
	70	Benzidine	184	18.477	18.468	(0.897)	348603	80.0000	100
	71	Pyrene	202	18.618	18.609	(0.904)	1834843	80.0000	79
$	72	Terphenyl-d14	244	18.888	18.879	(0.917)	1208809	80.0000	78
	73	Butylbenzylphthalate	149	19.709	19.700	(0.956)	986944	80.0000	76
	74	3,3'-Dichlorobenzidine	252	20.563	20.543	(0.998)	359639	80.0000	72
	78	bis(2-Ethylhexyl)phthalate	149	20.660	20.651	(1.003)	1456100	80.0000	80
	75	Benzo(a)anthracene	228	20.584	20.575	(0.999)	1516233	80.0000	80
*	76	Chrysene-d12	240	20.606	20.597	(1.000)	645419	40.0000	
	77	Chrysene	228	20.649	20.640	(1.002)	1380525	80.0000	78
	79	Di-n-octylphthalate	149	21.675	21.666	(0.951)	2497077	80.0000	80
	80	Benzo(b)fluoranthene	252	22.237	22.228	(0.976)	1525529	80.0000	78
	81	Benzo(k)fluoranthene	252	22.280	22.271	(0.978)	1547573	80.0000	83

Data File: S1F6434.D
Report Date: 24-Apr-2008 10:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
82 Benzo(a)pyrene	252	22.712	22.703	(0.997)	1421284	80.0000	84
* 83 Perylene-d12	264	22.788	22.779	(1.000)	562863	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	24.646	24.637	(1.082)	1491666	80.0000	92
85 Dibenzo(a,h)anthracene	278	24.690	24.670	(1.083)	1254169	80.0000	91
86 Benzo(g,h,i)perylene	276	25.208	25.188	(1.106)	1268175	80.0000	95

QC Flag Legend

Q - Qualifier signal failed the ratio test.

04/24/08 ZH

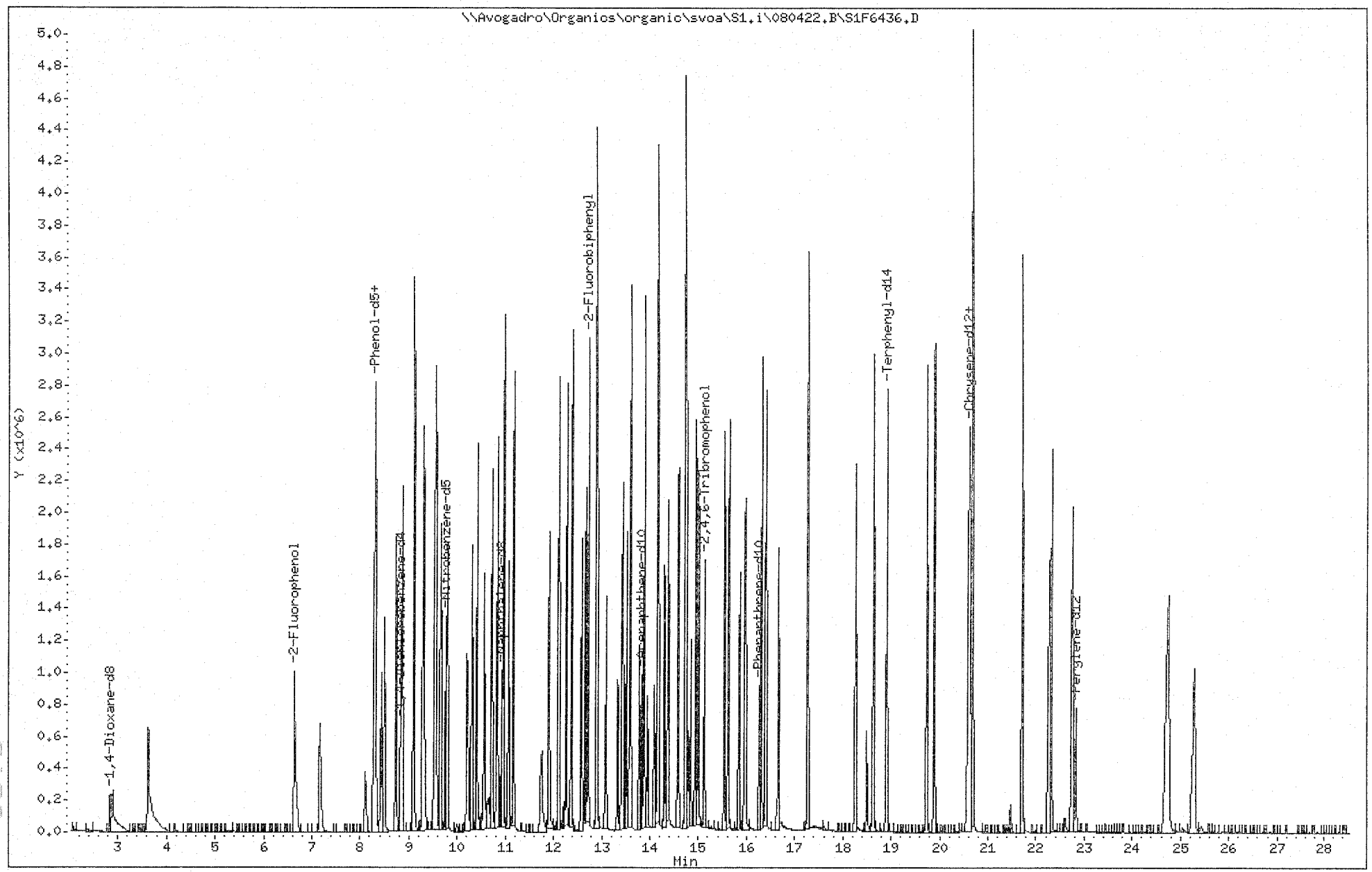
CW 4/24/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6436.D
Date : 22-APR-2008 21:11
Client ID: SSTD1201N
Sample Info: SSTD1201N,SSTD1201N

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6436.D
Report Date: 24-Apr-2008 10:53

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6436.D
Lab Smp Id: SSTD1201N Client Smp ID: SSTD1201N
Inj Date : 22-APR-2008 21:11
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD1201N,SSTD1201N
Misc Info : 1,5
Comment :
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Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.844	2.847	(0.322)	323809	120.000	120
	111 2-Butoxyethanol	57	7.165	7.157	(0.812)	557303	120.000	120
	108 1,4-Dioxane	88	2.898	2.901	(0.328)	229955	120.000	120
	1 N-Nitrosodimethylamine	74	3.633	3.624	(0.411)	328753	120.000	120
	2 Pyridine	79	3.622	3.624	(0.410)	484657	120.000	120
$	3 2-Fluorophenol	112	6.636	6.628	(0.752)	865486	120.000	120
	101 Benzaldehyde	77	8.105	8.108	(0.918)	147043	120.000	140
$	5 Phenol-d5	99	8.289	8.270	(0.939)	835866	120.000	110
	6 Phenol	94	8.321	8.291	(0.942)	865273	120.000	120
	7 Aniline	93	8.300	8.291	(0.940)	904557	120.000	120
	8 bis(2-Chloroethyl)Ether	93	8.440	8.432	(0.956)	619455	120.000	110
	10 2-Chlorophenol	128	8.494	8.486	(0.962)	933100	120.000	110
	11 1,3-Dichlorobenzene	146	8.732	8.734	(0.989)	970100	120.000	110
*	12 1,4-Dichlorobenzene-d4	152	8.829	8.832	(1.000)	214007	40.0000	(Q)
	13 1,4-Dichlorobenzene	146	8.862	8.864	(1.004)	1021340	120.000	120
	15 Benzyl Alcohol	108	9.099	9.080	(1.031)	485793	120.000	120
	16 1,2-Dichlorobenzene	146	9.099	9.102	(1.031)	968793	120.000	120
	17 2-Methylphenol	108	9.294	9.275	(1.053)	685098	120.000	110
	18 2,2'-oxybis(1-Chloropropane)	45	9.315	9.307	(1.055)	790086	120.000	120
	20 4-Methylphenol	108	9.553	9.534	(1.082)	726464	120.000	120
	19 N-Nitroso-di-n-propylamine	70	9.553	9.523	(1.082)	402232	120.000	120
	99 Acetophenone	105	9.531	9.512	(1.080)	981043	120.000	120
	21 Hexachloroethane	117	9.661	9.653	(1.094)	414112	120.000	120
$	22 Nitrobenzene-d5	82	9.769	9.750	(0.894)	652803	120.000	120
	23 Nitrobenzene	77	9.802	9.782	(0.897)	617215	120.000	120
	24 Isophorone	82	10.201	10.182	(0.934)	1056703	120.000	120
	25 2-Nitrophenol	139	10.309	10.301	(0.944)	524932	120.000	120
	26 2,4-Dimethylphenol	107	10.417	10.398	(0.954)	852440	120.000	120
	28 Benzoic Acid	105	10.666	10.582	(0.976)	297488	120.000	160(Q)
	27 bis(2-Chloroethoxy)methane	93	10.569	10.549	(0.967)	739484	120.000	120
	29 2,4-Dichlorophenol	162	10.720	10.701	(0.981)	722402	120.000	120
	30 1,2,4-Trichlorobenzene	180	10.839	10.830	(0.992)	831134	120.000	120
*	31 Naphthalene-d8	136	10.925	10.917	(1.000)	759480	40.0000	

Data File: S1F6436.D
Report Date: 24-Apr-2008 10:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	32 Naphthalene	128	10.968	10.960	(1.004)	2288687	120.000	120
	33 4-Chloroaniline	127	11.076	11.057	(1.014)	984008	120.000	130
	34 Hexachlorobutadiene	225	11.174	11.165	(1.023)	497522	120.000	120
	102 Caprolactam	113	11.757	11.662	(1.076)	252332	120.000	120
	35 4-Chloro-3-Methylphenol	107	11.908	11.878	(1.090)	611189	120.000	110
	36 2-Methylnaphthalene	142	12.114	12.094	(1.109)	1380086	120.000	120
	38 Hexachlorocyclopentadiene	237	12.362	12.354	(0.894)	270831	120.000	150
	39 2,4,6-Trichlorophenol	196	12.589	12.570	(0.911)	520773	120.000	120
	40 2,4,5-Trichlorophenol	196	12.664	12.635	(0.916)	583928	120.000	120
$	41 2-Fluorobiphenyl	172	12.729	12.710	(0.921)	1567534	120.000	120
	98 1,1'-Biphenyl	154	12.891	12.872	(0.933)	1557401	120.000	120
	42 2-Chloronaphthalene	162	12.913	12.894	(0.934)	1357921	120.000	120
	43 2-Nitroaniline	65	13.097	13.077	(0.948)	354803	120.000	130
	44 Dimethylphthalate	163	13.432	13.402	(0.972)	1635399	120.000	120
	45 2,6-Dinitrotoluene	165	13.518	13.488	(0.978)	432262	120.000	120
	46 Acenaphthylene	152	13.594	13.574	(0.984)	1990734	120.000	120
	47 3-Nitroaniline	138	13.788	13.758	(0.998)	364172	120.000	120
*	48 Acenaphthene-d10	164	13.820	13.812	(1.000)	372329	40.0000	
	49 Acenaphthene	153	13.885	13.866	(1.005)	1244421	120.000	120
	50 2,4-Dinitrophenol	184	13.950	13.931	(1.009)	225851	120.000	150
	51 4-Nitrophenol	109	14.091	14.050	(1.020)	213218	120.000	130(Q)
	53 2,4-Dinitrotoluene	165	14.177	14.147	(1.026)	541802	120.000	120
	52 Dibenzofuran	168	14.166	14.147	(1.025)	1874062	120.000	120
	110 2,3,4,6-Tetrachlorophenol	232	14.371	14.352	(1.040)	430225	120.000	130
	54 Diethylphthalate	149	14.588	14.558	(1.055)	1725443	120.000	120
	56 4-Chlorophenyl-phenylether	204	14.739	14.720	(1.066)	800627	120.000	120
	55 Fluorene	166	14.728	14.709	(1.066)	1445378	120.000	120
	57 4-Nitroaniline	138	14.804	14.752	(1.071)	257349	120.000	110
	58 4,6-Dinitro-2-methylphenol	198	14.847	14.806	(0.913)	328818	120.000	130(Q)
	59 N-Nitrosodiphenylamine	169	14.944	14.925	(0.919)	1194395	120.000	120
	97 Azobenzene	77	14.998	14.979	(0.922)	1207159	120.000	120
$	60 2,4,6-Tribromophenol	330	15.128	15.109	(0.930)	332160	120.000	120
	61 4-Bromophenyl-phenylether	248	15.538	15.519	(0.955)	484812	120.000	120
	62 Hexachlorobenzene	284	15.625	15.606	(0.961)	594555	120.000	120
	100 Atrazine	200	15.852	15.822	(0.975)	393885	120.000	110
	63 Pentachlorophenol	266	15.960	15.940	(0.981)	264319	120.000	140
*	64 Phenanthrene-d10	188	16.262	16.243	(1.000)	591087	40.0000	
	65 Phenanthrene	178	16.316	16.286	(1.003)	2178549	120.000	120
	66 Anthracene	178	16.403	16.373	(1.009)	2154773	120.000	120
	67 Carbazole	167	16.662	16.643	(1.025)	1198426	120.000	100
	68 Di-n-butylphthalate	149	17.267	17.248	(1.062)	2928064	120.000	120
	69 Fluoranthene	202	18.272	18.242	(1.124)	2054237	120.000	120
	70 Benzidine	184	18.498	18.468	(0.897)	386111	120.000	140
	71 Pyrene	202	18.639	18.609	(0.904)	2176518	120.000	110
$	72 Terphenyl-d14	244	18.909	18.879	(0.917)	1455307	120.000	110
	73 Butylbenzylphthalate	149	19.741	19.700	(0.957)	1281242	120.000	120
	74 3,3'-Dichlorobenzidine	252	20.584	20.543	(0.998)	456486	120.000	110
	78 bis(2-Ethylhexyl)phthalate	149	20.692	20.651	(1.003)	1766171	120.000	120
	75 Benzo(a)anthracene	228	20.616	20.575	(0.999)	1859960	120.000	120
*	76 Chrysene-d12	240	20.627	20.597	(1.000)	533751	40.0000	
	77 Chrysene	228	20.681	20.640	(1.003)	1773478	120.000	120
	79 Di-n-octylphthalate	149	21.718	21.666	(0.952)	3068980	120.000	120
	80 Benzo(b)fluoranthene	252	22.280	22.228	(0.976)	2281186	120.000	140
	81 Benzo(k)fluoranthene	252	22.323	22.271	(0.978)	1631304	120.000	100

Data File: S1F6436.D
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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	82 Benzo(a)pyrene	252	22.755	22.703	(0.997)	1701802	120.000	120
*	83 Perylene-d12	264	22.820	22.779	(1.000)	472074	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	24.710	24.637	(1.083)	1796519	120.000	130
	85 Dibenzo(a,h)anthracene	278	24.754	24.670	(1.085)	1528454	120.000	130
	86 Benzo(g,h,i)perylene	276	25.283	25.188	(1.108)	1477669	120.000	130

QC Flag Legend

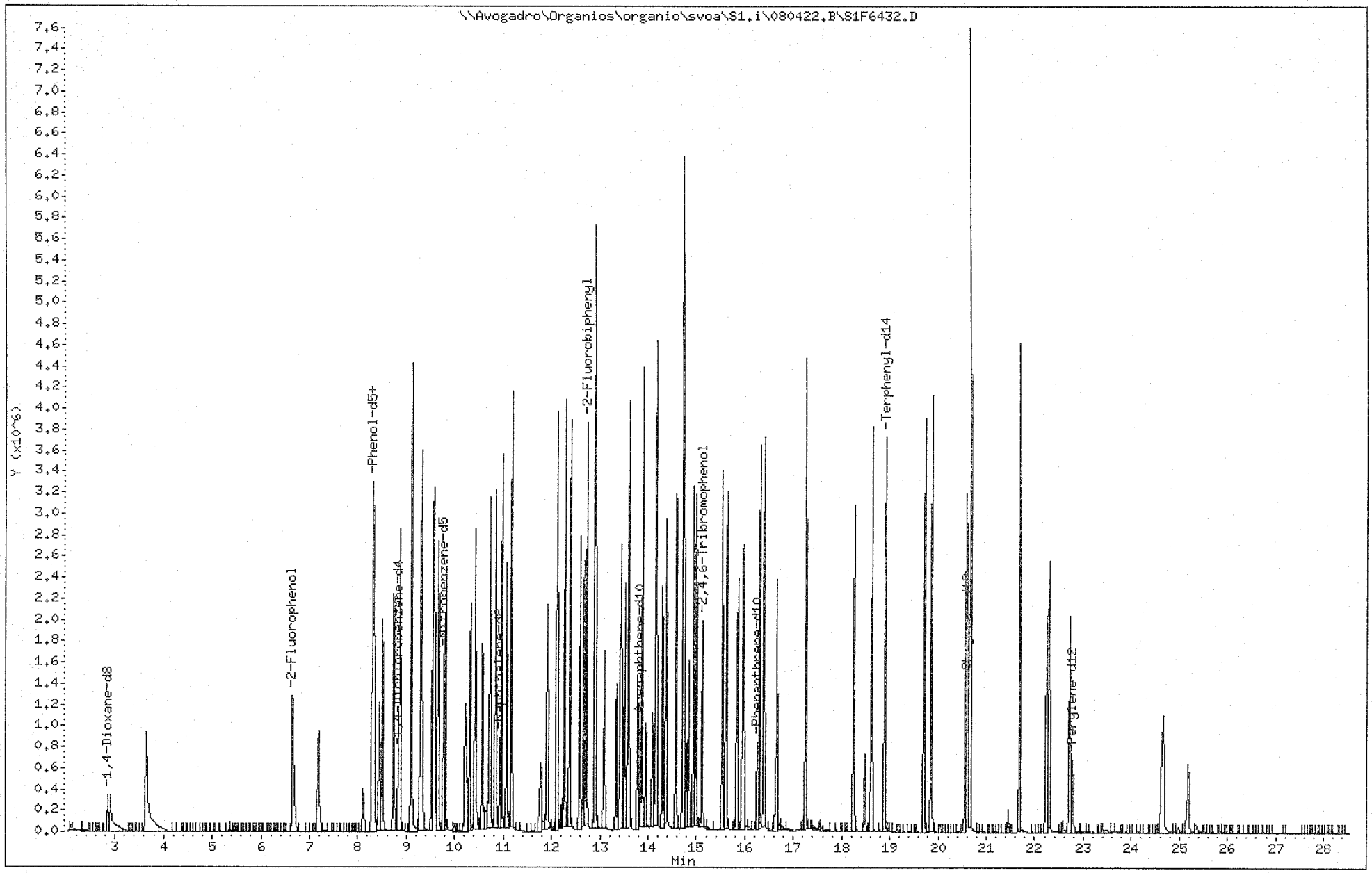
Q - Qualifier signal failed the ratio test.

04/24/08 BM

04/24/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6432.D
Date : 22-APR-2008 18:20
Client ID: SSTD1601N
Instrument: S1.i
Sample Info: SSTD1601N,SSTD1601N

Operator: DK SRC: DK
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F6432.D
Report Date: 24-Apr-2008 10:53

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6432.D
Lab Smp Id: SSTD1601N Client Smp ID: SSTD1601N
Inj Date : 22-APR-2008 18:20
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD1601N,SSTD1601N
Misc Info : 1,6
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080422.B\s1_8270C_N.m
Meth Date : 24-Apr-2008 10:53 S1.i Quant Type: ISTD
Cal Date : 22-APR-2008 17:16 Cal File: S1F6431.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.855	2.847	(0.323)	428275	160.000	170(A)
	111 2-Butoxyethanol	57	7.187	7.157	(0.813)	742019	160.000	180(A)
	108 1,4-Dioxane	88	2.909	2.901	(0.329)	290942	160.000	170(A)
	1 N-Nitrosodimethylamine	74	3.654	3.624	(0.413)	429348	160.000	170(A)
	2 Pyridine	79	3.643	3.624	(0.412)	631760	160.000	170(A)
$	3 2-Fluorophenol	112	6.657	6.628	(0.753)	1114892	160.000	170(A)
	101 Benzaldehyde	77	8.105	8.108	(0.917)	156566	160.000	160(A)
$	5 Phenol-d5	99	8.310	8.270	(0.940)	1086037	160.000	160(A)
	6 Phenol	94	8.332	8.291	(0.943)	1096742	160.000	160(A)
	7 Aniline	93	8.300	8.291	(0.939)	1160579	160.000	160(A)
	8 bis(2-Chloroethyl)Ether	93	8.451	8.432	(0.956)	820318	160.000	160
	10 2-Chlorophenol	128	8.505	8.486	(0.962)	1266210	160.000	170(A)
	11 1,3-Dichlorobenzene	146	8.742	8.734	(0.989)	1284229	160.000	160(A)
*	12 1,4-Dichlorobenzene-d4	152	8.840	8.832	(1.000)	196358	40.0000	(Q)
	13 1,4-Dichlorobenzene	146	8.861	8.864	(1.002)	1342782	160.000	160(A)
	15 Benzyl Alcohol	108	9.110	9.080	(1.031)	640556	160.000	170(A)
	16 1,2-Dichlorobenzene	146	9.110	9.102	(1.031)	1241179	160.000	170(A)
	17 2-Methylphenol	108	9.304	9.275	(1.053)	885569	160.000	160(A)
	18 2,2'-oxybis(1-Chloropropane)	45	9.315	9.307	(1.054)	1043303	160.000	160(A)
	20 4-Methylphenol	108	9.574	9.534	(1.083)	948033	160.000	160(AH)
	19 N-Nitroso-di-n-propylamine	70	9.564	9.523	(1.082)	531043	160.000	170(A)
	99 Acetophenone	105	9.542	9.512	(1.079)	1287054	160.000	160(A)
	21 Hexachloroethane	117	9.661	9.653	(1.093)	558515	160.000	170(A)
$	22 Nitrobenzene-d5	82	9.780	9.750	(0.894)	845309	160.000	160
	23 Nitrobenzene	77	9.812	9.782	(0.897)	862871	160.000	160(A)
	24 Isophorone	82	10.223	10.182	(0.935)	1427286	160.000	160(A)
	25 2-Nitrophenol	139	10.320	10.301	(0.944)	674473	160.000	160(A)
	26 2,4-Dimethylphenol	107	10.428	10.398	(0.954)	1079902	160.000	160(A)
	28 Benzoic Acid	105	10.698	10.582	(0.978)	429863	160.000	230(AQ)
	27 bis(2-Chloroethoxy)methane	93	10.568	10.549	(0.966)	932143	160.000	150
	29 2,4-Dichlorophenol	162	10.730	10.701	(0.981)	940816	160.000	160(A)
	30 1,2,4-Trichlorobenzene	180	10.838	10.830	(0.991)	1077368	160.000	160
*	31 Naphthalene-d8	136	10.936	10.917	(1.000)	745898	40.0000	

Data File: S1F6432.D
Report Date: 24-Apr-2008 10:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	32 Naphthalene	128	10.968	10.960	(1.003)	2963387	160.000	160
	33 4-Chloroaniline	127	11.076	11.057	(1.013)	1257279	160.000	160(A)
	34 Hexachlorobutadiene	225	11.173	11.165	(1.022)	668035	160.000	160
	102 Caprolactam	113	11.789	11.662	(1.078)	335793	160.000	170(AH)
	35 4-Chloro-3-Methylphenol	107	11.919	11.878	(1.090)	823747	160.000	160
	36 2-Methylnaphthalene	142	12.113	12.094	(1.108)	1774578	160.000	160
	38 Hexachlorocyclopentadiene	237	12.362	12.354	(0.894)	412318	160.000	220(A)
	39 2,4,6-Trichlorophenol	196	12.589	12.570	(0.911)	743614	160.000	170(A)
	40 2,4,5-Trichlorophenol	196	12.664	12.635	(0.916)	789849	160.000	160(A)
$	41 2-Fluorobiphenyl	172	12.729	12.710	(0.921)	2171285	160.000	160
	98 1,1'-Biphenyl	154	12.891	12.872	(0.933)	2051792	160.000	150
	42 2-Chloronaphthalene	162	12.913	12.894	(0.934)	1790171	160.000	160
	43 2-Nitroaniline	65	13.096	13.077	(0.948)	452657	160.000	150
	44 Dimethylphthalate	163	13.442	13.402	(0.973)	2268749	160.000	160(A)
	45 2,6-Dinitrotoluene	165	13.518	13.488	(0.978)	582903	160.000	160
	46 Acenaphthylene	152	13.593	13.574	(0.984)	2659590	160.000	150
	47 3-Nitroaniline	138	13.788	13.758	(0.998)	498429	160.000	160(A)
*	48 Acenaphthene-d10	164	13.820	13.812	(1.000)	386884	40.0000	
	49 Acenaphthene	153	13.885	13.866	(1.005)	1650423	160.000	160
	50 2,4-Dinitrophenol	184	13.961	13.931	(1.010)	328483	160.000	210(A)
	51 4-Nitrophenol	109	14.090	14.050	(1.020)	296267	160.000	180(A)
	53 2,4-Dinitrotoluene	165	14.177	14.147	(1.026)	714497	160.000	160
	52 Dibenzofuran	168	14.166	14.147	(1.025)	2289427	160.000	150
	110 2,3,4,6-Tetrachlorophenol	232	14.371	14.352	(1.040)	598291	160.000	180(A)
	54 Diethylphthalate	149	14.587	14.558	(1.056)	2402482	160.000	160(A)
	56 4-Chlorophenyl-phenylether	204	14.738	14.720	(1.066)	1053081	160.000	160
	55 Fluorene	166	14.728	14.709	(1.066)	1891068	160.000	150
	57 4-Nitroaniline	138	14.814	14.752	(1.072)	378455	160.000	150
	58 4,6-Dinitro-2-methylphenol	198	14.846	14.806	(0.913)	474190	160.000	190(A)
	59 N-Nitrosodiphenylamine	169	14.944	14.925	(0.919)	1565223	160.000	150
	97 Azobenzene	77	14.998	14.979	(0.922)	1591705	160.000	150
$	60 2,4,6-Tribromophenol	330	15.127	15.109	(0.930)	449128	160.000	170(A)
	61 4-Bromophenyl-phenylether	248	15.538	15.519	(0.955)	641122	160.000	160
	62 Hexachlorobenzene	284	15.624	15.606	(0.961)	776689	160.000	150
	100 Atrazine	200	15.851	15.822	(0.975)	535545	160.000	150
	63 Pentachlorophenol	266	15.948	15.940	(0.981)	384784	160.000	200(A)
*	64 Phenanthrene-d10	188	16.262	16.243	(1.000)	595024	40.0000	
	65 Phenanthrene	178	16.305	16.286	(1.003)	2783768	160.000	160
	66 Anthracene	178	16.391	16.373	(1.008)	2839097	160.000	160(A)
	67 Carbazole	167	16.661	16.643	(1.025)	1898451	160.000	160
	68 Di-n-butylphthalate	149	17.256	17.248	(1.061)	3743839	160.000	150
	69 Fluoranthene	202	18.260	18.242	(1.123)	2863069	160.000	160(A)
	70 Benzidine	184	18.476	18.468	(0.896)	470686	160.000	190(A)
	71 Pyrene	202	18.628	18.609	(0.904)	2965772	160.000	170(A)
$	72 Terphenyl-d14	244	18.898	18.879	(0.917)	1969318	160.000	170(A)
	73 Butylbenzylphthalate	149	19.719	19.700	(0.957)	1658720	160.000	170(A)
	74 3,3'-Dichlorobenzidine	252	20.572	20.543	(0.998)	629098	160.000	160(A)
	78 bis(2-Ethylhexyl)phthalate	149	20.670	20.651	(1.003)	2220171	160.000	160
	75 Benzo(a)anthracene	228	20.594	20.575	(0.999)	2460411	160.000	170(A)
*	76 Chrysene-d12	240	20.616	20.597	(1.000)	494225	40.0000	
	77 Chrysene	228	20.670	20.640	(1.003)	2190885	160.000	160(A)
	79 Di-n-octylphthalate	149	21.685	21.666	(0.952)	3743287	160.000	200(A)
	80 Benzo(b)fluoranthene	252	22.258	22.228	(0.977)	2202610	160.000	180(A)
	81 Benzo(k)fluoranthene	252	22.301	22.271	(0.979)	2121341	160.000	190(AH)

Data File: S1F6432.D
Report Date: 24-Apr-2008 10:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
82 Benzo(a)pyrene	252	22.722	22.703	(0.997)	1736832	160.000	170(A)
* 83 Perylene-d12	264	22.787	22.779	(1.000)	341870	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	24.645	24.637	(1.082)	1068038	160.000	110
85 Dibenzo(a,h)anthracene	278	24.678	24.670	(1.083)	973809	160.000	120
86 Benzo(g,h,i)perylene	276	25.185	25.188	(1.105)	742651	160.000	91

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

04/24/08 BM

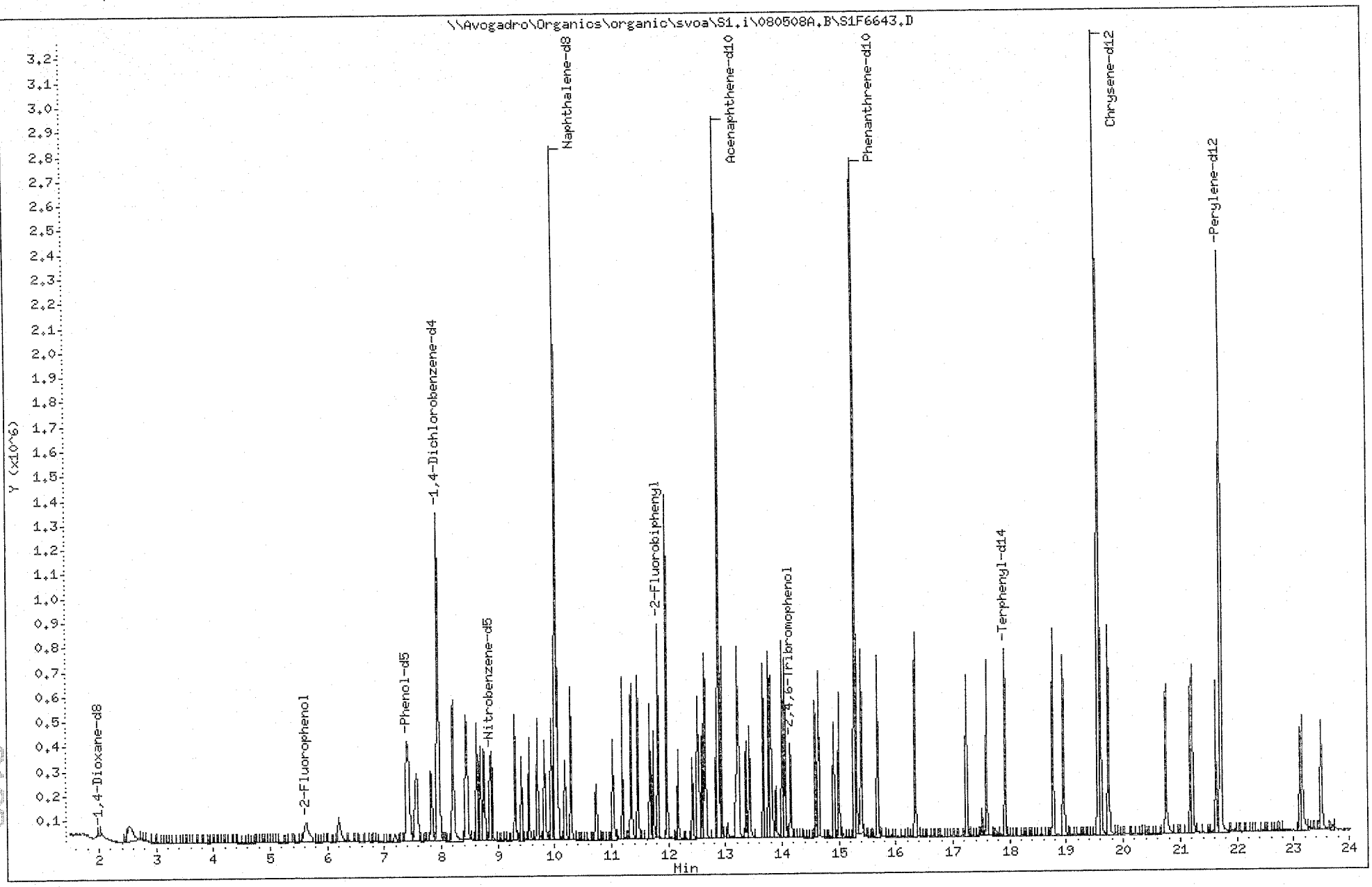
CW 4/24/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6643.D
Date : 08-MAY-2008 14:54
Client ID: SSTD0101Z
Sample Info: SSTD0101Z,SSTD0101Z

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6643.D
Report Date: 13-May-2008 09:48

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6643.D
Lab Smp Id: SSTD0101Z Client Smp ID: SSTD0101Z
Inj Date : 08-MAY-2008 14:54
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0101Z,SSTD0101Z
Misc Info : 1,1
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\s1_8270C_N.m
Meth Date : 13-May-2008 09:48 beata Quant Type: ISTD
Cal Date : 08-MAY-2008 15:50 Cal File: S1F6644.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.008	2.009	(0.253)	45166	10.0000	8(Q)
	111 2-Butoxyethanol	57	6.211	6.211	(0.782)	115544	10.0000	9
	108 1,4-Dioxane	88	2.062	2.063	(0.260)	22225	10.0000	6(Q)
	1 N-Nitrosodimethylamine	74	2.527	2.527	(0.318)	45603	10.0000	8
	2 Pyridine	79	2.549	2.538	(0.321)	82142	10.0000	9
$	3 2-Fluorophenol	112	5.638	5.639	(0.710)	112554	10.0000	9
	101 Benzaldehyde	77	7.194	7.194	(0.906)	13298	10.0000	5
$	5 Phenol-d5	99	7.410	7.432	(0.933)	168117	10.0000	9
	6 Phenol	94	7.432	7.454	(0.936)	180480	10.0000	9
	7 Aniline	93	7.389	7.400	(0.931)	181826	10.0000	9
	8 bis(2-Chloroethyl)Ether	93	7.551	7.562	(0.951)	148116	10.0000	10
	10 2-Chlorophenol	128	7.583	7.594	(0.955)	131729	10.0000	9
	11 1,3-Dichlorobenzene	146	7.821	7.832	(0.985)	154186	10.0000	10
*	12 1,4-Dichlorobenzene-d4	152	7.940	7.940	(1.000)	431681	40.0000	
	13 1,4-Dichlorobenzene	146	7.961	7.962	(1.003)	163586	10.0000	10
	15 Benzyl Alcohol	108	8.210	8.221	(1.034)	83807	10.0000	9
	16 1,2-Dichlorobenzene	146	8.199	8.210	(1.033)	160551	10.0000	10
	17 2-Methylphenol	108	8.426	8.448	(1.061)	129565	10.0000	9
	18 2,2'-oxybis(1-Chloropropane)	45	8.458	8.459	(1.065)	227231	10.0000	10
	20 4-Methylphenol	108	8.696	8.718	(1.095)	133897	10.0000	9
	19 N-Nitroso-di-n-propylamine	70	8.663	8.685	(1.091)	83492	10.0000	10
	99 Acetophenone	105	8.631	8.642	(1.087)	195469	10.0000	10
	21 Hexachloroethane	117	8.750	8.761	(1.102)	75120	10.0000	10
$	22 Nitrobenzene-d5	82	8.858	8.880	(0.884)	151899	10.0000	9
	23 Nitrobenzene	77	8.890	8.912	(0.887)	133337	10.0000	9
	24 Isophorone	82	9.301	9.323	(0.928)	272134	10.0000	10
	25 2-Nitrophenol	139	9.420	9.431	(0.940)	73795	10.0000	8
	26 2,4-Dimethylphenol	107	9.549	9.571	(0.953)	116793	10.0000	7
	28 Benzoic Acid	105	9.711	9.841	(0.969)	42983	10.0000	6(Q)
	27 bis(2-Chloroethoxy)methane	93	9.701	9.723	(0.968)	175953	10.0000	10
	29 2,4-Dichlorophenol	162	9.830	9.841	(0.981)	126171	10.0000	8
	30 1,2,4-Trichlorobenzene	180	9.949	9.949	(0.992)	150304	10.0000	9
*	31 Naphthalene-d8	136	10.025	10.036	(1.000)	1593288	40.0000	

Data File: S1F6643.D
Report Date: 13-May-2008 09:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	32 Naphthalene	128	10.057	10.068	(1.003)	356410	10.0000	9
	33 4-Chloroaniline	127	10.187	10.187	(1.016)	149940	10.0000	9
	34 Hexachlorobutadiene	225	10.284	10.295	(1.026)	90454	10.0000	9
	102 Caprolactam	113	10.727	10.846	(1.070)	43155	10.0000	10
	35 4-Chloro-3-Methylphenol	107	11.029	11.051	(1.100)	132182	10.0000	9
	36 2-Methylnaphthalene	142	11.191	11.203	(1.116)	247446	10.0000	9
	38 Hexachlorocyclopentadiene	237	11.461	11.462	(0.890)	26454	10.0000	4
	39 2,4,6-Trichlorophenol	196	11.678	11.689	(0.907)	89198	10.0000	8
	40 2,4,5-Trichlorophenol	196	11.732	11.754	(0.911)	105480	10.0000	9
$	41 2-Fluorobiphenyl	172	11.818	11.829	(0.918)	321611	10.0000	9
	98 1,1'-Biphenyl	154	11.969	11.980	(0.930)	337079	10.0000	9
	42 2-Chloronaphthalene	162	11.980	11.991	(0.930)	264204	10.0000	9
	43 2-Nitroaniline	65	12.164	12.186	(0.945)	92225	10.0000	10
	44 Dimethylphthalate	163	12.509	12.542	(0.971)	336017	10.0000	9
	45 2,6-Dinitrotoluene	165	12.596	12.618	(0.978)	89032	10.0000	9
	46 Acenaphthylene	152	12.639	12.650	(0.982)	386363	10.0000	9
	47 3-Nitroaniline	138	12.844	12.866	(0.997)	80791	10.0000	10
*	48 Acenaphthene-d10	164	12.877	12.888	(1.000)	990595	40.0000	
	49 Acenaphthene	153	12.931	12.942	(1.004)	244475	10.0000	9
	50 2,4-Dinitrophenol	184	13.028	13.039	(1.012)	12719	10.0000	2
	51 4-Nitrophenol	109	13.179	13.201	(1.023)	43660	10.0000	8
	53 2,4-Dinitrotoluene	165	13.233	13.266	(1.028)	111656	10.0000	9
	52 Dibenzofuran	168	13.212	13.223	(1.026)	376959	10.0000	9
	110 2,3,4,6-Tetrachlorophenol	232	13.428	13.439	(1.043)	80607	10.0000	8
	54 Diethylphthalate	149	13.665	13.687	(1.061)	354346	10.0000	10
	56 4-Chlorophenyl-phenylether	204	13.806	13.806	(1.072)	151464	10.0000	9
	55 Fluorene	166	13.763	13.774	(1.069)	313603	10.0000	9
	57 4-Nitroaniline	138	13.827	13.871	(1.074)	73074	10.0000	11
	58 4,6-Dinitro-2-methylphenol	198	13.892	13.914	(0.909)	43958	10.0000	5(Q)
	59 N-Nitrosodiphenylamine	169	14.000	14.022	(0.916)	259084	10.0000	9
	97 Azobenzene	77	14.054	14.066	(0.919)	339712	10.0000	10
$	60 2,4,6-Tribromophenol	330	14.162	14.174	(0.926)	78726	10.0000	9
	61 4-Bromophenyl-phenylether	248	14.595	14.606	(0.955)	97170	10.0000	8
	62 Hexachlorobenzene	284	14.649	14.660	(0.958)	140595	10.0000	9
	100 Atrazine	200	14.919	14.941	(0.976)	82692	10.0000	9
	63 Pentachlorophenol	266	14.994	15.005	(0.981)	31798	10.0000	4
*	64 Phenanthrene-d10	188	15.286	15.286	(1.000)	1602976	40.0000	
	65 Phenanthrene	178	15.318	15.330	(1.002)	445261	10.0000	9
	66 Anthracene	178	15.394	15.416	(1.007)	435230	10.0000	9
	67 Carbazole	167	15.686	15.697	(1.026)	392937	10.0000	10
	68 Di-n-butylphthalate	149	16.345	16.345	(1.069)	606168	10.0000	9
	69 Fluoranthene	202	17.231	17.253	(1.127)	427843	10.0000	8
	70 Benzidine	184	17.511	17.523	(0.895)	71055	10.0000	6
	71 Pyrene	202	17.598	17.609	(0.899)	475517	10.0000	10
$	72 Terphenyl-d14	244	17.911	17.922	(0.915)	343862	10.0000	10
	73 Butylbenzylphthalate	149	18.765	18.776	(0.959)	272889	10.0000	10
	74 3,3'-Dichlorobenzidine	252	19.553	19.575	(0.999)	168797	10.0000	10
	78 bis(2-Ethylhexyl)phthalate	149	19.737	19.748	(1.008)	363943	10.0000	10
	75 Benzo(a)anthracene	228	19.553	19.565	(0.999)	441480	10.0000	10
*	76 Chrysene-d12	240	19.575	19.586	(1.000)	1678586	40.0000	
	77 Chrysene	228	19.607	19.629	(1.002)	392194	10.0000	10
	79 Di-n-octylphthalate	149	20.753	20.753	(0.955)	583378	10.0000	8
	80 Benzo(b)fluoranthene	252	21.185	21.196	(0.975)	409587	10.0000	8
	81 Benzo(k)fluoranthene	252	21.217	21.250	(0.977)	519088	10.0000	10

Data File: S1F6643.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
82 Benzo(a)pyrene	252	21.628	21.650	(0.996)	411003	10.0000	9
* 83 Perylene-d12	264	21.725	21.725	(1.000)	1512491	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	23.119	23.151	(1.064)	441380	10.0000	9
85 Dibenzo(a,h)anthracene	278	23.162	23.184	(1.066)	386993	10.0000	9
86 Benzo(g,h,i)perylene	276	23.507	23.551	(1.082)	389325	10.0000	9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

05/13/08 BM

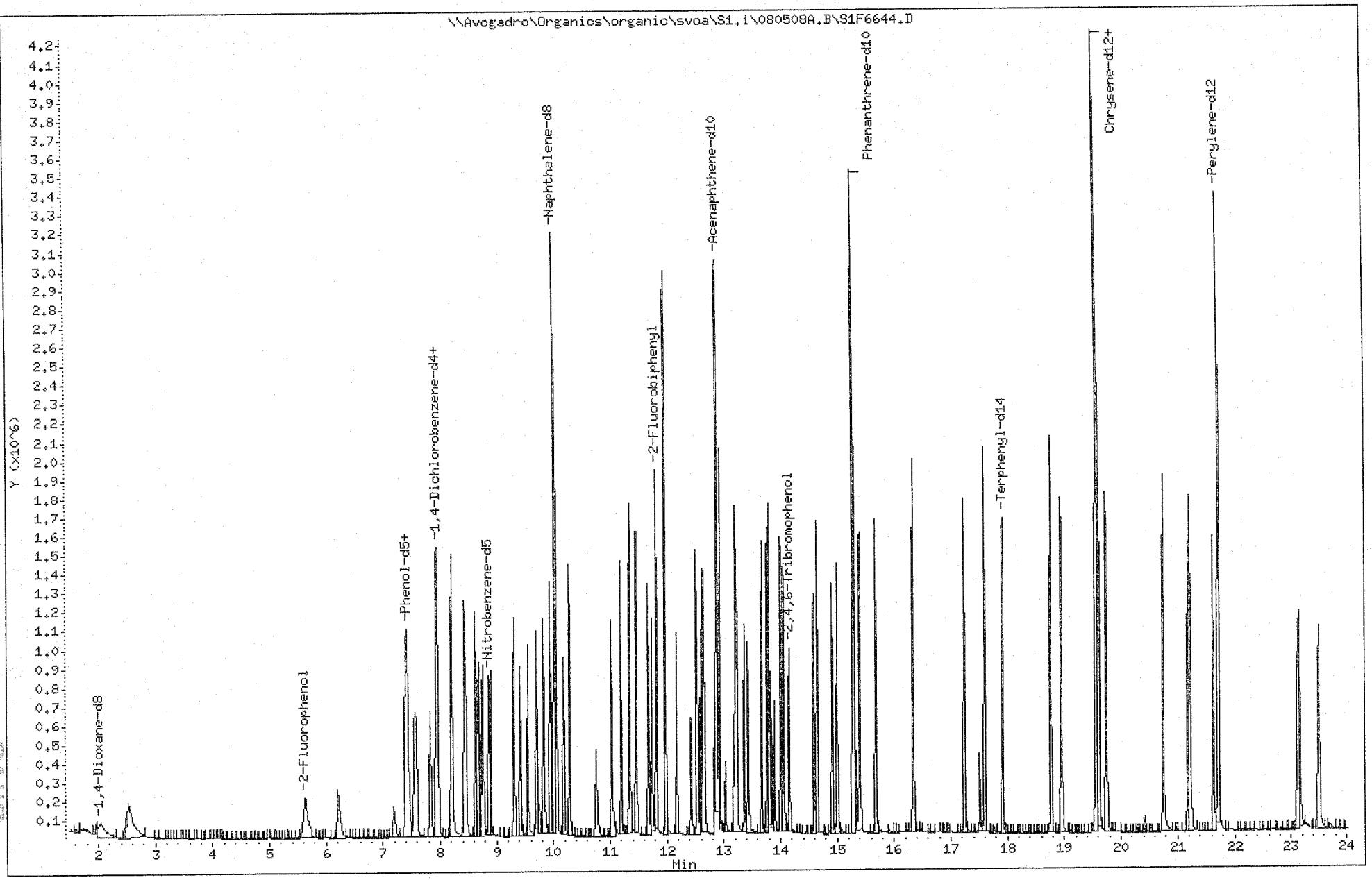
05/13/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6644.D
Date : 08-MAY-2008 15:50
Client ID: SSTD0201Z
Sample Info: SSTD0201Z,SSTD0201Z

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6644.D
Report Date: 13-May-2008 09:48

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6644.D
Lab Smp Id: SSTD0201Z Client Smp ID: SSTD0201Z
Inj Date : 08-MAY-2008 15:50
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0201Z,SSTD0201Z
Misc Info : 1,2
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\s1_8270C_N.m
Meth Date : 13-May-2008 09:48 beata Quant Type: ISTD
Cal Date : 08-MAY-2008 15:50 Cal File: S1F6644.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.031	2.009	(0.256)	94246	20.0000	15
	111 2-Butoxyethanol	57	6.212	6.211	(0.782)	293917	20.0000	20
	108 1,4-Dioxane	88	2.063	2.063	(0.260)	72337	20.0000	16
	1 N-Nitrosodimethylamine	74	2.538	2.527	(0.320)	119869	20.0000	18
	2 Pyridine	79	2.538	2.538	(0.320)	199267	20.0000	19
$	3 2-Fluorophenol	112	5.639	5.639	(0.710)	285323	20.0000	19
	101 Benzaldehyde	77	7.195	7.194	(0.906)	74127	20.0000	24
$	5 Phenol-d5	99	7.411	7.432	(0.933)	429941	20.0000	19
	6 Phenol	94	7.432	7.454	(0.936)	475245	20.0000	20
	7 Aniline	93	7.389	7.400	(0.931)	459725	20.0000	20
	8 bis(2-Chloroethyl)Ether	93	7.551	7.562	(0.951)	344181	20.0000	19
	10 2-Chlorophenol	128	7.584	7.594	(0.955)	323309	20.0000	18
	11 1,3-Dichlorobenzene	146	7.832	7.832	(0.986)	357350	20.0000	19
*	12 1,4-Dichlorobenzene-d4	152	7.940	7.940	(1.000)	506983	40.0000	
	13 1,4-Dichlorobenzene	146	7.962	7.962	(1.003)	387766	20.0000	19
	15 Benzyl Alcohol	108	8.210	8.221	(1.034)	198251	20.0000	18
	16 1,2-Dichlorobenzene	146	8.210	8.210	(1.034)	356617	20.0000	19
	17 2-Methylphenol	108	8.437	8.448	(1.063)	307754	20.0000	18
	18 2,2'-oxybis(1-Chloropropane)	45	8.459	8.459	(1.065)	557050	20.0000	21
	20 4-Methylphenol	108	8.696	8.718	(1.095)	347044	20.0000	19
	19 N-Nitroso-di-n-propylamine	70	8.664	8.685	(1.091)	206655	20.0000	22
	99 Acetophenone	105	8.632	8.642	(1.087)	441664	20.0000	19
	21 Hexachloroethane	117	8.761	8.761	(1.103)	176288	20.0000	19
$	22 Nitrobenzene-d5	82	8.869	8.880	(0.885)	385242	20.0000	20
	23 Nitrobenzene	77	8.902	8.912	(0.888)	340312	20.0000	19
	24 Isophorone	82	9.312	9.323	(0.929)	639113	20.0000	20
	25 2-Nitrophenol	139	9.420	9.431	(0.940)	199820	20.0000	19
	26 2,4-Dimethylphenol	107	9.550	9.571	(0.953)	324469	20.0000	16
	28 Benzoic Acid	105	9.755	9.841	(0.973)	135560	20.0000	15(H)
	27 bis(2-Chloroethoxy)methane	93	9.712	9.723	(0.969)	400682	20.0000	18
	29 2,4-Dichlorophenol	162	9.831	9.841	(0.981)	314082	20.0000	18
	30 1,2,4-Trichlorobenzene	180	9.950	9.949	(0.992)	368433	20.0000	18
*	31 Naphthalene-d8	136	10.025	10.036	(1.000)	1868746	40.0000	

Data File: S1F6644.D
Report Date: 13-May-2008 09:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	32 Naphthalene	128	10.058	10.068	(1.003)	903436	20.0000	19
	33 4-Chloroaniline	127	10.187	10.187	(1.016)	375570	20.0000	19
	34 Hexachlorobutadiene	225	10.285	10.295	(1.026)	213286	20.0000	17
	102 Caprolactam	113	10.760	10.846	(1.073)	108076	20.0000	20
	35 4-Chloro-3-Methylphenol	107	11.030	11.051	(1.100)	315491	20.0000	19
	36 2-Methylnaphthalene	142	11.192	11.203	(1.116)	587420	20.0000	18
	38 Hexachlorocyclopentadiene	237	11.462	11.462	(0.889)	103067	20.0000	14
	39 2,4,6-Trichlorophenol	196	11.678	11.689	(0.906)	225232	20.0000	18
	40 2,4,5-Trichlorophenol	196	11.743	11.754	(0.911)	242238	20.0000	18
$	41 2-Fluorobiphenyl	172	11.819	11.829	(0.917)	761469	20.0000	19
	98 1,1'-Biphenyl	154	11.970	11.980	(0.929)	797590	20.0000	19
	42 2-Chloronaphthalene	162	11.981	11.991	(0.930)	668682	20.0000	19
	43 2-Nitroaniline	65	12.175	12.186	(0.945)	223110	20.0000	21
	44 Dimethylphthalate	163	12.521	12.542	(0.972)	764361	20.0000	18
	45 2,6-Dinitrotoluene	165	12.596	12.618	(0.977)	214524	20.0000	19
	46 Acenaphthylene	152	12.640	12.650	(0.981)	920477	20.0000	19
	47 3-Nitroaniline	138	12.856	12.866	(0.997)	178844	20.0000	20
*	48 Acenaphthene-d10	164	12.888	12.888	(1.000)	1155977	40.0000	
	49 Acenaphthene	153	12.931	12.942	(1.003)	593687	20.0000	19
	50 2,4-Dinitrophenol	184	13.029	13.039	(1.011)	72998	20.0000	12
	51 4-Nitrophenol	109	13.191	13.201	(1.023)	113021	20.0000	17
	53 2,4-Dinitrotoluene	165	13.245	13.266	(1.028)	271452	20.0000	19
	52 Dibenzofuran	168	13.212	13.223	(1.025)	930472	20.0000	19
	110 2,3,4,6-Tetrachlorophenol	232	13.428	13.439	(1.042)	192296	20.0000	16
	54 Diethylphthalate	149	13.677	13.687	(1.061)	822572	20.0000	19
	56 4-Chlorophenyl-phenylether	204	13.806	13.806	(1.071)	354374	20.0000	18
	55 Fluorene	166	13.774	13.774	(1.069)	726853	20.0000	18
	57 4-Nitroaniline	138	13.839	13.871	(1.074)	186037	20.0000	24
	58 4,6-Dinitro-2-methylphenol	198	13.904	13.914	(0.910)	151438	20.0000	15
	59 N-Nitrosodiphenylamine	169	14.012	14.022	(0.917)	617740	20.0000	18
	97 Azobenzene	77	14.055	14.066	(0.919)	792604	20.0000	19
$	60 2,4,6-Tribromophenol	330	14.163	14.174	(0.926)	191417	20.0000	18
	61 4-Bromophenyl-phenylether	248	14.595	14.606	(0.955)	233620	20.0000	17
	62 Hexachlorobenzene	284	14.649	14.660	(0.958)	342189	20.0000	19
	100 Atrazine	200	14.919	14.941	(0.976)	203794	20.0000	19
	63 Pentachlorophenol	266	14.995	15.005	(0.981)	117979	20.0000	13
*	64 Phenanthrene-d10	188	15.287	15.286	(1.000)	1889543	40.0000	
	65 Phenanthrene	178	15.319	15.330	(1.002)	997358	20.0000	17
	66 Anthracene	178	15.405	15.416	(1.008)	1046425	20.0000	18
	67 Carbazole	167	15.686	15.697	(1.026)	919435	20.0000	21
	68 Di-n-butylphthalate	149	16.345	16.345	(1.069)	1421743	20.0000	18
	69 Fluoranthene	202	17.242	17.253	(1.128)	1003889	20.0000	17
	70 Benzidine	184	17.512	17.523	(0.894)	252855	20.0000	19
	71 Pyrene	202	17.599	17.609	(0.899)	1125931	20.0000	19
$	72 Terphenyl-d14	244	17.923	17.922	(0.915)	857453	20.0000	19
	73 Butylbenzylphthalate	149	18.765	18.776	(0.958)	679006	20.0000	20
	74 3,3'-Dichlorobenzidine	252	19.565	19.575	(0.999)	402200	20.0000	19
	78 bis(2-Ethylhexyl)phthalate	149	19.738	19.748	(1.008)	881731	20.0000	19
	75 Benzo(a)anthracene	228	19.565	19.565	(0.999)	1103170	20.0000	19
*	76 Chrysene-d12	240	19.586	19.586	(1.000)	2090996	40.0000	
	77 Chrysene	228	19.619	19.629	(1.002)	1004813	20.0000	20
	79 Di-n-octylphthalate	149	20.753	20.753	(0.955)	1523188	20.0000	18
	80 Benzo(b)fluoranthene	252	21.185	21.196	(0.975)	1020612	20.0000	16
	81 Benzo(k)fluoranthene	252	21.229	21.250	(0.977)	1168184	20.0000	20

Data File: S1F6644.D
Report Date: 13-May-2008 09:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
82 Benzo(a)pyrene	252	21.639	21.650	(0.996)	1033750	20.0000	19
* 83 Perylene-d12	264	21.725	21.725	(1.000)	1822993	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	23.130	23.151	(1.065)	1101826	20.0000	18
85 Dibenzo(a,h)anthracene	278	23.173	23.184	(1.067)	941070	20.0000	17
86 Benzo(g,h,i)perylene	276	23.519	23.551	(1.083)	949265	20.0000	18

QC Flag Legend

H - Operator selected an alternate compound hit.

05/13/08 BM

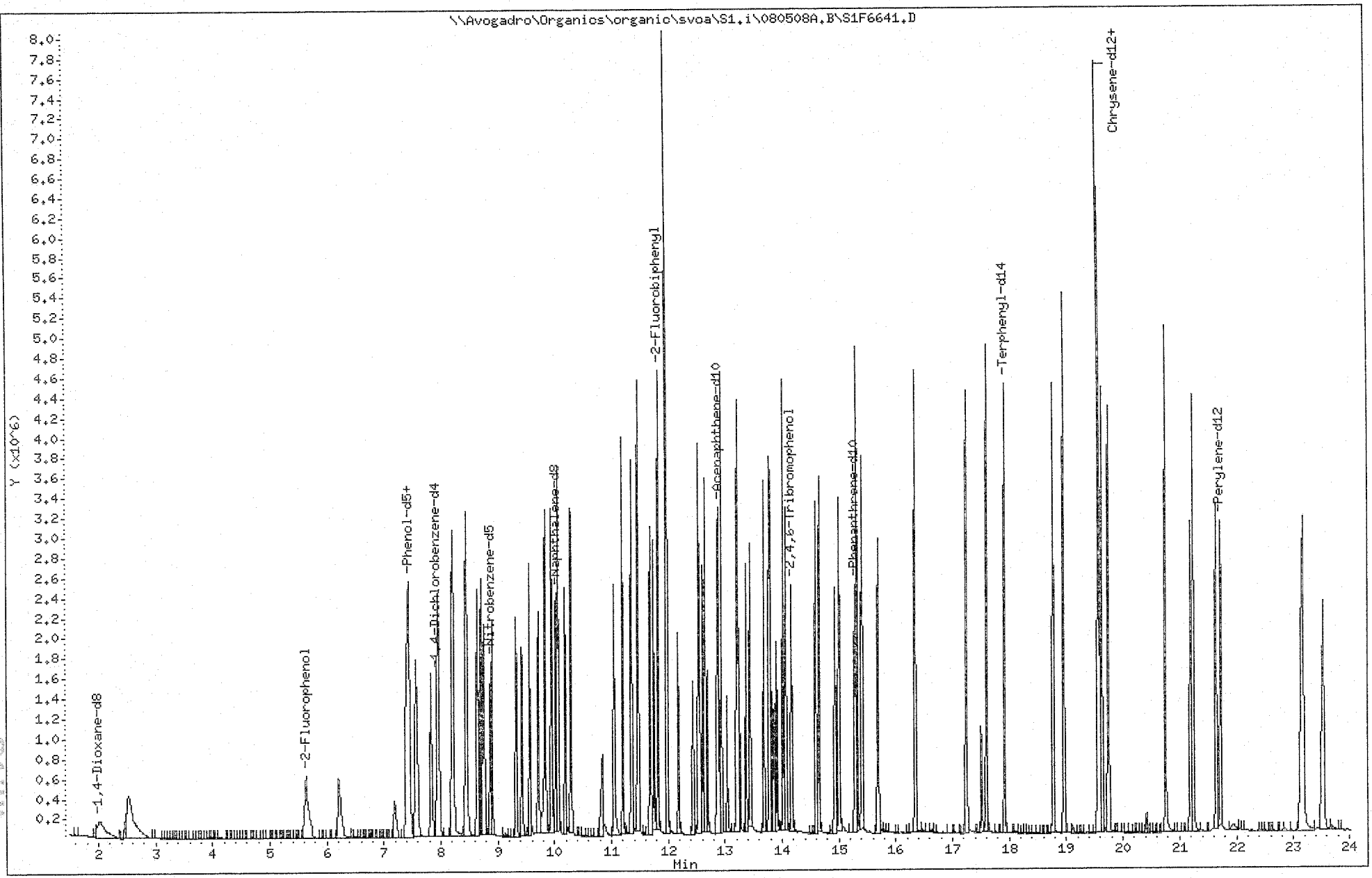
05/13/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6641.D
Date : 08-MAY-2008 13:00
Client ID: SSTD0501Z
Sample Info: SSTD0501Z,SSTD0501Z

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6641.D
Report Date: 13-May-2008 09:48

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6641.D
Lab Smp Id: SSTD0501Z Client Smp ID: SSTD0501Z
Inj Date : 08-MAY-2008 13:00
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0501Z,SSTD0501Z
Misc Info : 2,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\s1_8270C_N.m
Meth Date : 13-May-2008 09:48 beata Quant Type: ISTD
Cal Date : 08-MAY-2008 15:50 Cal File: S1F6644.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.009	2.009	(0.253)	345419	50.0000	58(Q)
	111 2-Butoxyethanol	57	6.211	6.211	(0.782)	734725	50.0000	52
	108 1,4-Dioxane	88	2.063	2.063	(0.260)	252137	50.0000	59(Q)
	1 N-Nitrosodimethylamine	74	2.527	2.527	(0.318)	368561	50.0000	59(Q)
	2 Pyridine	79	2.538	2.538	(0.320)	543711	50.0000	54
$	3 2-Fluorophenol	112	5.639	5.639	(0.710)	761868	50.0000	53
	101 Benzaldehyde	77	7.194	7.194	(0.906)	184456	50.0000	63
$	5 Phenol-d5	99	7.432	7.432	(0.936)	1091756	50.0000	52
	6 Phenol	94	7.454	7.454	(0.939)	1142810	50.0000	50
	7 Aniline	93	7.400	7.400	(0.932)	1121446	50.0000	52
	8 bis(2-Chloroethyl)Ether	93	7.562	7.562	(0.952)	801386	50.0000	48
	10 2-Chlorophenol	128	7.594	7.594	(0.956)	824862	50.0000	50
	11 1,3-Dichlorobenzene	146	7.832	7.832	(0.986)	899224	50.0000	51
*	12 1,4-Dichlorobenzene-d4	152	7.940	7.940	(1.000)	475240	40.0000	
	13 1,4-Dichlorobenzene	146	7.962	7.962	(1.003)	950490	50.0000	51
	15 Benzyl Alcohol	108	8.221	8.221	(1.035)	575598	50.0000	54
	16 1,2-Dichlorobenzene	146	8.210	8.210	(1.034)	932597	50.0000	52
	17 2-Methylphenol	108	8.448	8.448	(1.064)	801522	50.0000	50
	18 2,2'-oxybis(1-Chloropropane)	45	8.459	8.459	(1.065)	1149394	50.0000	47
	20 4-Methylphenol	108	8.718	8.718	(1.098)	839261	50.0000	50
	19 N-Nitroso-di-n-propylamine	70	8.685	8.685	(1.094)	445366	50.0000	49
	99 Acetophenone	105	8.642	8.642	(1.088)	1107733	50.0000	51
	21 Hexachloroethane	117	8.761	8.761	(1.103)	427731	50.0000	50
$	22 Nitrobenzene-d5	82	8.880	8.880	(0.885)	834978	50.0000	49
	23 Nitrobenzene	77	8.912	8.912	(0.888)	781853	50.0000	50
	24 Isophorone	82	9.323	9.323	(0.929)	1440542	50.0000	50
	25 2-Nitrophenol	139	9.431	9.431	(0.940)	504189	50.0000	53
	26 2,4-Dimethylphenol	107	9.571	9.571	(0.954)	965507	50.0000	55
	28 Benzoic Acid	105	9.841	9.841	(0.981)	400263	50.0000	51
	27 bis(2-Chloroethoxy)methane	93	9.723	9.723	(0.969)	947501	50.0000	49
	29 2,4-Dichlorophenol	162	9.841	9.841	(0.981)	860904	50.0000	54
	30 1,2,4-Trichlorobenzene	180	9.949	9.949	(0.991)	953340	50.0000	54
*	31 Naphthalene-d8	136	10.036	10.036	(1.000)	1654490	40.0000	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	32 Naphthalene	128	10.068	10.068	(1.003)	2104384	50.0000	51
	33 4-Chloroaniline	127	10.187	10.187	(1.015)	919374	50.0000	52
	34 Hexachlorobutadiene	225	10.295	10.295	(1.026)	580128	50.0000	54
	102 Caprolactam	113	10.846	10.846	(1.081)	252603	50.0000	54(Q)
	35 4-Chloro-3-Methylphenol	107	11.051	11.051	(1.101)	799923	50.0000	54
	36 2-Methylnaphthalene	142	11.203	11.203	(1.116)	1455709	50.0000	51
	38 Hexachlorocyclopentadiene	237	11.462	11.462	(0.889)	382568	50.0000	57
	39 2,4,6-Trichlorophenol	196	11.689	11.689	(0.907)	608032	50.0000	53
	40 2,4,5-Trichlorophenol	196	11.754	11.754	(0.912)	675001	50.0000	52
$	41 2-Fluorobiphenyl	172	11.829	11.829	(0.918)	1953873	50.0000	52
	98 1,1'-Biphenyl	154	11.980	11.980	(0.930)	1995231	50.0000	51
	42 2-Chloronaphthalene	162	11.991	11.991	(0.930)	1691298	50.0000	52
	43 2-Nitroaniline	65	12.186	12.186	(0.946)	466282	50.0000	47
	44 Dimethylphthalate	163	12.542	12.542	(0.973)	1885245	50.0000	49
	45 2,6-Dinitrotoluene	165	12.618	12.618	(0.979)	521517	50.0000	50
	46 Acenaphthylene	152	12.650	12.650	(0.982)	2242354	50.0000	50
	47 3-Nitroaniline	138	12.866	12.866	(0.998)	416038	50.0000	49
*	48 Acenaphthene-d10	164	12.888	12.888	(1.000)	1074285	40.0000	
	49 Acenaphthene	153	12.942	12.942	(1.004)	1464084	50.0000	51
	50 2,4-Dinitrophenol	184	13.039	13.039	(1.012)	299575	50.0000	52
	51 4-Nitrophenol	109	13.201	13.201	(1.024)	316943	50.0000	52(Q)
	53 2,4-Dinitrotoluene	165	13.266	13.266	(1.029)	693628	50.0000	53(Q)
	52 Dibenzofuran	168	13.223	13.223	(1.026)	2296047	50.0000	51
	110 2,3,4,6-Tetrachlorophenol	232	13.439	13.439	(1.043)	592879	50.0000	54
	54 Diethylphthalate	149	13.687	13.687	(1.062)	1963775	50.0000	49
	56 4-Chlorophenyl-phenylether	204	13.806	13.806	(1.071)	908166	50.0000	50
	55 Fluorene	166	13.774	13.774	(1.069)	1847083	50.0000	51
	57 4-Nitroaniline	138	13.871	13.871	(1.076)	357420	50.0000	49
	58 4,6-Dinitro-2-methylphenol	198	13.914	13.914	(0.910)	467953	50.0000	54
	59 N-Nitrosodiphenylamine	169	14.022	14.022	(0.917)	1607619	50.0000	55
	97 Azobenzene	77	14.066	14.066	(0.920)	1664253	50.0000	49
$	60 2,4,6-Tribromophenol	330	14.174	14.174	(0.927)	504205	50.0000	56
	61 4-Bromophenyl-phenylether	248	14.606	14.606	(0.955)	599692	50.0000	53
	62 Hexachlorobenzene	284	14.660	14.660	(0.959)	801213	50.0000	53
	100 Atrazine	200	14.941	14.941	(0.977)	451677	50.0000	52
	63 Pentachlorophenol	266	15.005	15.005	(0.982)	403287	50.0000	52
*	64 Phenanthrene-d10	188	15.286	15.286	(1.000)	1576705	40.0000	
	65 Phenanthrene	178	15.330	15.330	(1.003)	2677961	50.0000	54
	66 Anthracene	178	15.416	15.416	(1.008)	2683699	50.0000	55
	67 Carbazole	167	15.697	15.697	(1.027)	1884675	50.0000	51
	68 Di-n-butylphthalate	149	16.345	16.345	(1.069)	3621132	50.0000	55
	69 Fluoranthene	202	17.253	17.253	(1.129)	2801046	50.0000	56
	70 Benzidine	184	17.523	17.523	(0.895)	697218	50.0000	54
	71 Pyrene	202	17.609	17.609	(0.899)	2962374	50.0000	53
$	72 Terphenyl-d14	244	17.922	17.922	(0.915)	2174637	50.0000	51
	73 Butylbenzylphthalate	149	18.776	18.776	(0.959)	1648880	50.0000	50
	74 3,3'-Dichlorobenzidine	252	19.575	19.575	(0.999)	1004239	50.0000	50
	78 bis(2-Ethylhexyl)phthalate	149	19.748	19.748	(1.008)	2092090	50.0000	47
	75 Benzo(a)anthracene	228	19.565	19.565	(0.999)	2828413	50.0000	52
*	76 Chrysene-d12	240	19.586	19.586	(1.000)	1987665	40.0000	
	77 Chrysene	228	19.629	19.629	(1.002)	2423956	50.0000	50
	79 Di-n-octylphthalate	149	20.753	20.753	(0.955)	3983941	50.0000	49
	80 Benzo(b)fluoranthene	252	21.196	21.196	(0.976)	2745870	50.0000	44
	81 Benzo(k)fluoranthene	252	21.250	21.250	(0.978)	3030109	50.0000	51

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
82 Benzo(a)pyrene	252	21.650	21.650	(0.997)	2533686	50.0000	47
* 83 Perylene-d12	264	21.725	21.725	(1.000)	1798064	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	23.151	23.151	(1.066)	2931030	50.0000	49
85 Dibenzo(a,h)anthracene	278	23.184	23.184	(1.067)	2625747	50.0000	49
86 Benzo(g,h,i)perylene	276	23.551	23.551	(1.084)	2522015	50.0000	50

QC Flag Legend

Q - Qualifier signal failed the ratio test.

05/13/08 BM

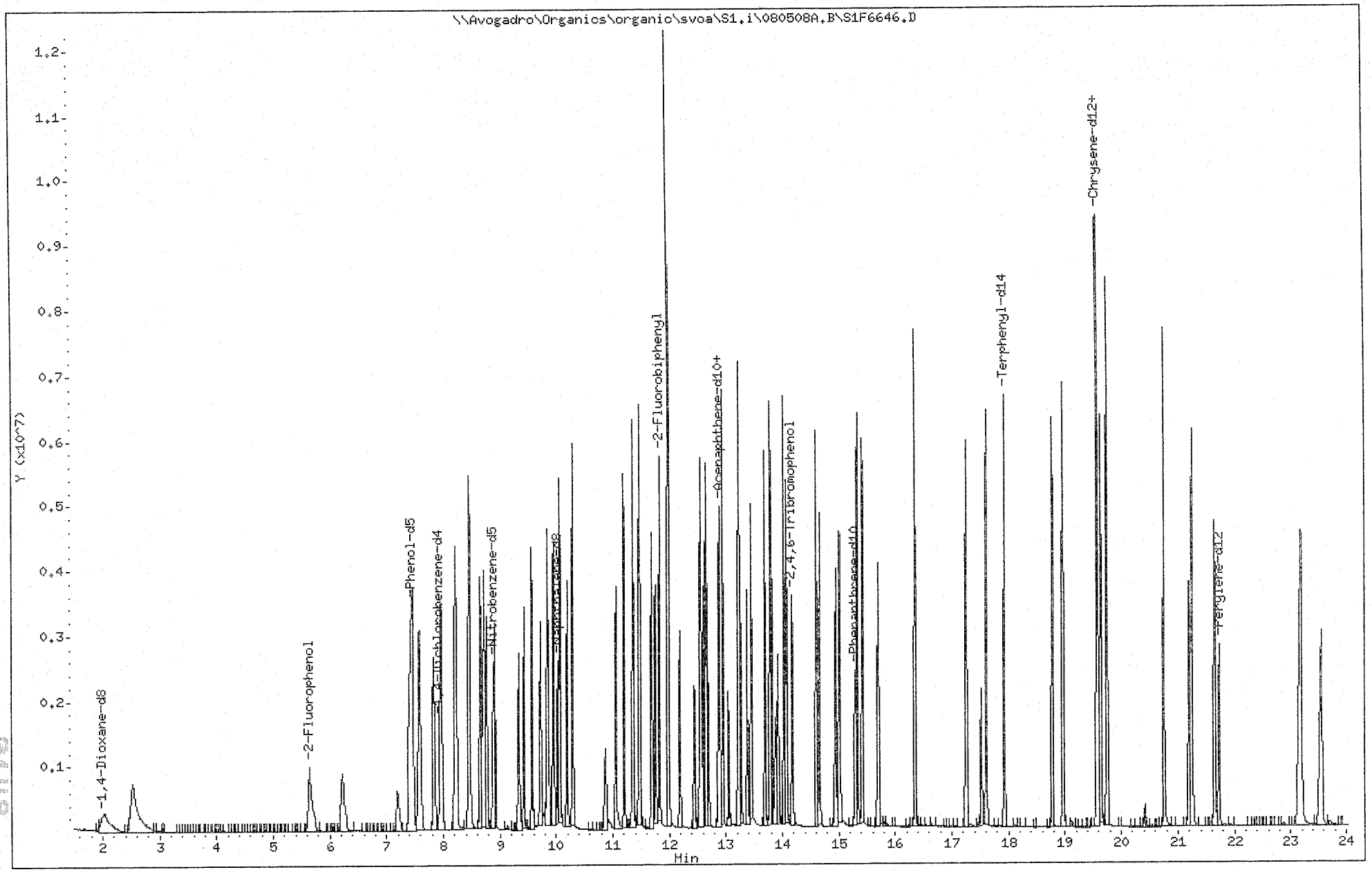
05/13/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6646.D
Date : 08-MAY-2008 16:54
Client ID: SSTD0801Z
Sample Info: SSTD0801Z,SSTD0801Z

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6646.D
Report Date: 13-May-2008 09:49

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6646.D
Lab Smp Id: SSTD0801Z Client Smp ID: SSTD0801Z
Inj Date : 08-MAY-2008 16:54
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0801Z,SSTD0801Z
Misc Info : 1,4
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\s1_8270C_N.m
Meth Date : 13-May-2008 09:48 beata Quant Type: ISTD
Cal Date : 08-MAY-2008 15:50 Cal File: S1F6644.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	109 1,4-Dioxane-d8	96	1.997	2.009	(0.252)	541270	80.0000	88
	111 2-Butoxyethanol	57	6.222	6.211	(0.784)	1136781	80.0000	79
	108 1,4-Dioxane	88	2.041	2.063	(0.257)	402979	80.0000	93 (Q)
	1 N-Nitrosodimethylamine	74	2.538	2.527	(0.320)	603534	80.0000	94
	2 Pyridine	79	2.538	2.538	(0.320)	841176	80.0000	82
$	3 2-Fluorophenol	112	5.649	5.639	(0.712)	1188345	80.0000	81
	101 Benzaldehyde	77	7.194	7.194	(0.906)	334623	80.0000	110
$	5 Phenol-d5	99	7.442	7.432	(0.937)	1694961	80.0000	79
	6 Phenol	94	7.464	7.454	(0.940)	1791501	80.0000	78 (Q)
	7 Aniline	93	7.399	7.400	(0.932)	1851232	80.0000	83 (Q)
	8 bis(2-Chloroethyl)Ether	93	7.572	7.562	(0.954)	1332341	80.0000	79
	10 2-Chlorophenol	128	7.594	7.594	(0.956)	1352296	80.0000	80
	11 1,3-Dichlorobenzene	146	7.831	7.832	(0.986)	1472532	80.0000	82
*	12 1,4-Dichlorobenzene-d4	152	7.939	7.940	(1.000)	485437	40.0000	(Q)
	13 1,4-Dichlorobenzene	146	7.972	7.962	(1.004)	1542729	80.0000	81
	15 Benzyl Alcohol	108	8.231	8.221	(1.037)	861871	80.0000	80
	16 1,2-Dichlorobenzene	146	8.210	8.210	(1.034)	1432817	80.0000	79
	17 2-Methylphenol	108	8.458	8.448	(1.065)	1300677	80.0000	80
	18 2,2'-oxybis(1-Chloropropane)	45	8.469	8.459	(1.067)	2002378	80.0000	80
	20 4-Methylphenol	108	8.728	8.718	(1.099)	1310687	80.0000	76
	19 N-Nitroso-di-n-propylamine	70	8.696	8.685	(1.095)	757862	80.0000	82
	99 Acetophenone	105	8.652	8.642	(1.090)	1758507	80.0000	79
	21 Hexachloroethane	117	8.760	8.761	(1.103)	655798	80.0000	74
$	22 Nitrobenzene-d5	82	8.890	8.880	(0.886)	1359666	80.0000	82
	23 Nitrobenzene	77	8.923	8.912	(0.889)	1344005	80.0000	88
	24 Isophorone	82	9.333	9.323	(0.930)	2224682	80.0000	80
	25 2-Nitrophenol	139	9.430	9.431	(0.940)	798883	80.0000	86
	26 2,4-Dimethylphenol	107	9.571	9.571	(0.954)	1557474	80.0000	91
	28 Benzoic Acid	105	9.884	9.841	(0.985)	752202	80.0000	98
	27 bis(2-Chloroethoxy)methane	93	9.722	9.723	(0.969)	1549954	80.0000	83
	29 2,4-Dichlorophenol	162	9.852	9.841	(0.982)	1314809	80.0000	85
	30 1,2,4-Trichlorobenzene	180	9.960	9.949	(0.992)	1464303	80.0000	84
*	31 Naphthalene-d8	136	10.035	10.036	(1.000)	1616141	40.0000	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	
	32 Naphthalene	128	10.068	10.068	(1.003)	3399540	80.0000	84	
	33 4-Chloroaniline	127	10.197	10.187	(1.016)	1449923	80.0000	84	
	34 Hexachlorobutadiene	225	10.295	10.295	(1.026)	881679	80.0000	83	
	102 Caprolactam	113	10.889	10.846	(1.085)	395296	80.0000	87	
	35 4-Chloro-3-Methylphenol	107	11.062	11.051	(1.102)	1242605	80.0000	86	
	36 2-Methylnaphthalene	142	11.202	11.203	(1.116)	2424302	80.0000	87	
	38 Hexachlorocyclopentadiene	237	11.472	11.462	(0.890)	626940	80.0000	97	
	39 2,4,6-Trichlorophenol	196	11.688	11.689	(0.907)	930296	80.0000	85	
	40 2,4,5-Trichlorophenol	196	11.764	11.754	(0.913)	980169	80.0000	79	
$	41 2-Fluorobiphenyl	172	11.829	11.829	(0.918)	2963988	80.0000	81	
	98 1,1'-Biphenyl	154	11.991	11.980	(0.930)	3282267	80.0000	87	
	42 2-Chloronaphthalene	162	12.002	11.991	(0.931)	2687909	80.0000	85	
	43 2-Nitroaniline	65	12.196	12.186	(0.946)	766064	80.0000	80	
	44 Dimethylphthalate	163	12.553	12.542	(0.974)	3120569	80.0000	84	
	45 2,6-Dinitrotoluene	165	12.628	12.618	(0.980)	840815	80.0000	85	
	46 Acenaphthylene	152	12.661	12.650	(0.982)	3481859	80.0000	81	
	47 3-Nitroaniline	138	12.887	12.866	(1.000)	678265	80.0000	84	
*	48 Acenaphthene-d10	164	12.887	12.888	(1.000)	1033310	40.0000		
	49 Acenaphthene	153	12.952	12.942	(1.005)	2358280	80.0000	85	
	50 2,4-Dinitrophenol	184	13.060	13.039	(1.013)	495527	80.0000	89	
	51 4-Nitrophenol	109	13.222	13.201	(1.026)	461389	80.0000	79(Q)	
	53 2,4-Dinitrotoluene	165	13.276	13.266	(1.030)	1013348	80.0000	80(Q)	
	52 Dibenzofuran	168	13.233	13.223	(1.027)	3598433	80.0000	83	
	110 2,3,4,6-Tetrachlorophenol	232	13.449	13.439	(1.044)	916746	80.0000	87	
	54 Diethylphthalate	149	13.698	13.687	(1.063)	3291291	80.0000	85	
	56 4-Chlorophenyl-phenylether	204	13.817	13.806	(1.072)	1384339	80.0000	80	
	55 Fluorene	166	13.784	13.774	(1.070)	2925568	80.0000	83	
	57 4-Nitroaniline	138	13.881	13.871	(1.077)	540869	80.0000	77	
	58 4,6-Dinitro-2-methylphenol	198	13.935	13.914	(0.912)	739008	80.0000	83	
	59 N-Nitrosodiphenylamine	169	14.033	14.022	(0.918)	2465510	80.0000	81	
	97 Azobenzene	77	14.076	14.066	(0.921)	2666972	80.0000	76	
$	60 2,4,6-Tribromophenol	330	14.184	14.174	(0.928)	735792	80.0000	80	
	61 4-Bromophenyl-phenylether	248	14.605	14.606	(0.955)	995710	80.0000	86	
	62 Hexachlorobenzene	284	14.670	14.660	(0.960)	1256562	80.0000	80	
	100 Atrazine	200	14.951	14.941	(0.978)	715684	80.0000	79	
	63 Pentachlorophenol	266	15.005	15.005	(0.982)	622658	80.0000	78	
*	64 Phenanthrene-d10	188	15.286	15.286	(1.000)	1629510	40.0000		
	65 Phenanthrene	178	15.340	15.330	(1.004)	4205207	80.0000	83	
	66 Anthracene	178	15.426	15.416	(1.009)	4314729	80.0000	85	
	67 Carbazole	167	15.707	15.697	(1.028)	2885833	80.0000	75	
	68 Di-n-butylphthalate	149	16.355	16.345	(1.070)	5528120	80.0000	81	
	69 Fluoranthene	202	17.252	17.253	(1.129)	4157268	80.0000	81	
	70 Benzidine	184	17.522	17.523	(0.894)	1214405	80.0000	100	
	71 Pyrene	202	17.619	17.609	(0.899)	4250642	80.0000	83	
$	72 Terphenyl-d14	244	17.933	17.922	(0.915)	3257714	80.0000	83	
	73 Butylbenzylphthalate	149	18.775	18.776	(0.958)	2589219	80.0000	86	
	74 3,3'-Dichlorobenzidine	252	19.586	19.575	(0.999)	1526243	80.0000	82	
	78 bis(2-Ethylhexyl)phthalate	149	19.748	19.748	(1.008)	3584122	80.0000	89	
	75 Benzo(a)anthracene	228	19.575	19.565	(0.999)	4245748	80.0000	85	
*	76 Chrysene-d12	240	19.596	19.586	(1.000)	1813774	40.0000		
	77 Chrysene	228	19.640	19.629	(1.002)	3562662	80.0000	81	
	79 Di-n-octylphthalate	149	20.763	20.753	(0.955)	5925123	80.0000	88	
	80 Benzo(b)fluoranthene	252	21.217	21.196	(0.976)	4026739	80.0000	78	
	81 Benzo(k)fluoranthene	252	21.260	21.250	(0.978)	4392314	80.0000	89	

Data File: S1F6646.D
Report Date: 13-May-2008 09:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
82 Benzo(a)pyrene	252	21.660	21.650	(0.997)	3832372	80.0000	85
* 83 Perylene-d12	264	21.736	21.725	(1.000)	1499215	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	23.162	23.151	(1.066)	4302881	80.0000	86
85 Dibenzo(a,h)anthracene	278	23.205	23.184	(1.068)	3751701	80.0000	85
86 Benzo(g,h,i)perylene	276	23.561	23.551	(1.084)	3549170	80.0000	84

QC Flag Legend

Q - Qualifier signal failed the ratio test.

05/13/08
BM

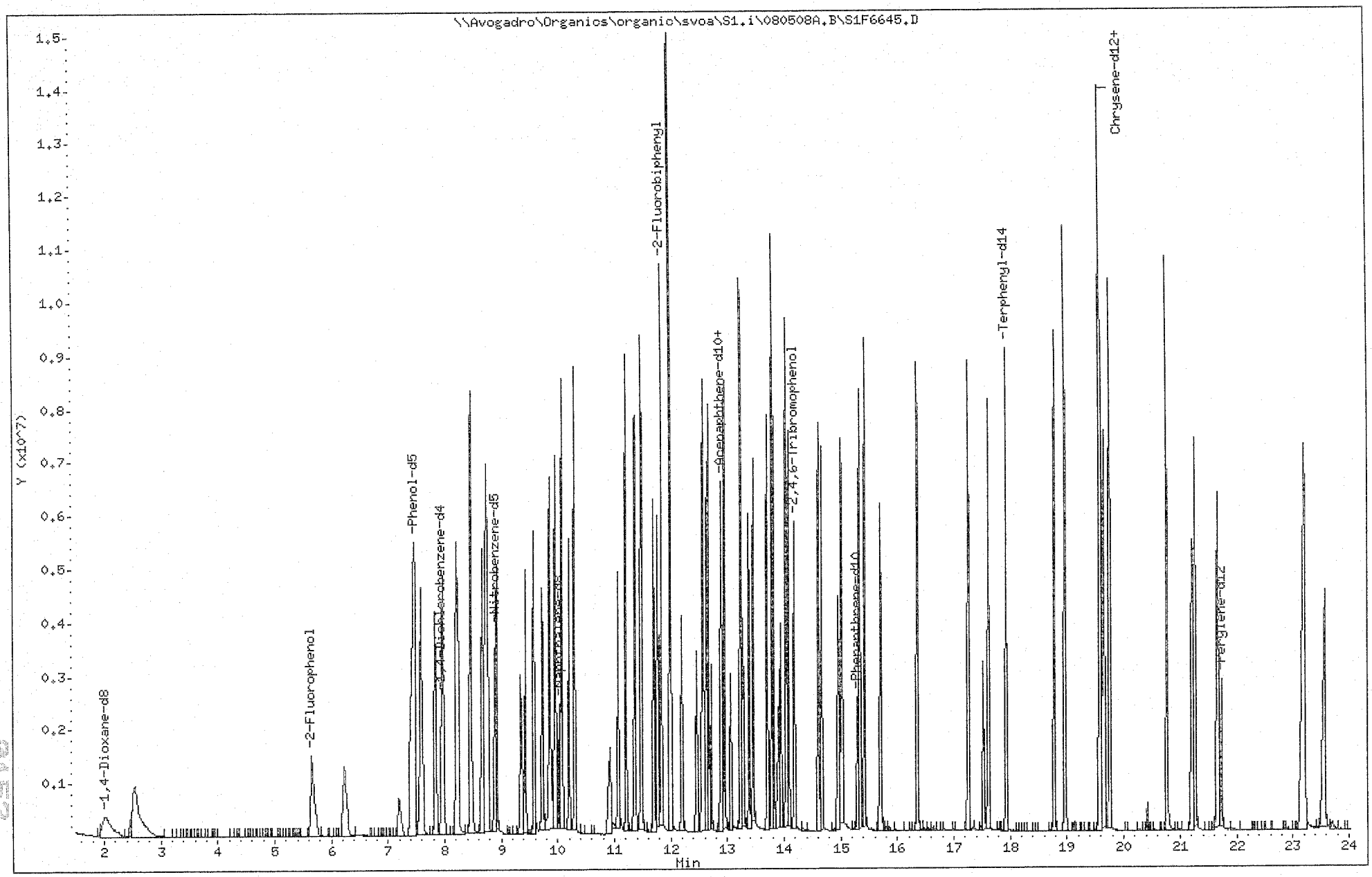
05/13/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6645.D
Date : 08-MAY-2008 16:22
Client ID: SSTD1201Z
Sample Info: SSTD1201Z,SSTD1201Z

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6645.D
Report Date: 13-May-2008 09:49

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6645.D
Lab Smp Id: SSTD1201Z Client Smp ID: SSTD1201Z
Inj Date : 08-MAY-2008 16:22
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD1201Z,SSTD1201Z
Misc Info : 1,5
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\s1_8270C_N.m
Meth Date : 13-May-2008 09:48 beata Quant Type: ISTD
Cal Date : 08-MAY-2008 15:50 Cal File: S1F6644.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.009	2.009	(0.253)	792861	120.000	130(Q)
	111 2-Butoxyethanol	57	6.233	6.211	(0.784)	1751954	120.000	120
	108 1,4-Dioxane	88	2.041	2.063	(0.257)	587732	120.000	140(Q)
	1 N-Nitrosodimethylamine	74	2.538	2.527	(0.319)	833313	120.000	130(Q)
	2 Pyridine	79	2.549	2.538	(0.321)	1171094	120.000	120
$	3 2-Fluorophenol	112	5.660	5.639	(0.712)	1771583	120.000	120
	101 Benzaldehyde	77	7.194	7.194	(0.905)	423534	120.000	140
$	5 Phenol-d5	99	7.464	7.432	(0.939)	2618714	120.000	120
	6 Phenol	94	7.486	7.454	(0.942)	2900371	120.000	130
	7 Aniline	93	7.410	7.400	(0.932)	2610693	120.000	120
	8 bis(2-Chloroethyl)Ether	93	7.583	7.562	(0.954)	1995245	120.000	120
	10 2-Chlorophenol	128	7.605	7.594	(0.957)	2097497	120.000	130
	11 1,3-Dichlorobenzene	146	7.842	7.832	(0.986)	2200245	120.000	120
*	12 1,4-Dichlorobenzene-d4	152	7.951	7.940	(1.000)	477197	40.0000	(Q)
	13 1,4-Dichlorobenzene	146	7.972	7.962	(1.003)	2275137	120.000	120
	15 Benzyl Alcohol	108	8.253	8.221	(1.038)	1344432	120.000	130
	16 1,2-Dichlorobenzene	146	8.210	8.210	(1.033)	2168889	120.000	120
	17 2-Methylphenol	108	8.469	8.448	(1.065)	2074691	120.000	130
	18 2,2'-oxybis(1-Chloropropane)	45	8.469	8.459	(1.065)	3030554	120.000	120
	20 4-Methylphenol	108	8.739	8.718	(1.099)	2200681	120.000	130
	19 N-Nitroso-di-n-propylamine	70	8.707	8.685	(1.095)	1068913	120.000	120
	99 Acetophenone	105	8.674	8.642	(1.091)	2730241	120.000	120
	21 Hexachloroethane	117	8.761	8.761	(1.102)	1040979	120.000	120
$	22 Nitrobenzene-d5	82	8.901	8.880	(0.887)	2081034	120.000	130
	23 Nitrobenzene	77	8.934	8.912	(0.890)	2028819	120.000	130
	24 Isophorone	82	9.355	9.323	(0.932)	3564346	120.000	130
	25 2-Nitrophenol	139	9.441	9.431	(0.941)	1181902	120.000	130
	26 2,4-Dimethylphenol	107	9.593	9.571	(0.956)	2318687	120.000	140
	28 Benzoic Acid	105	9.938	9.841	(0.990)	1104020	120.000	140
	27 bis(2-Chloroethoxy)methane	93	9.733	9.723	(0.970)	2391236	120.000	130
	29 2,4-Dichlorophenol	162	9.863	9.841	(0.983)	1971401	120.000	130
	30 1,2,4-Trichlorobenzene	180	9.960	9.949	(0.992)	2244063	120.000	130
*	31 Naphthalene-d8	136	10.036	10.036	(1.000)	1605003	40.0000	

Data File: S1F6645.D
Report Date: 13-May-2008 09:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	32 Naphthalene	128	10.079	10.068	(1.004)	4960237	120.000	120
	33 4-Chloroaniline	127	10.208	10.187	(1.017)	2188123	120.000	130
	34 Hexachlorobutadiene	225	10.295	10.295	(1.026)	1378568	120.000	130
	102 Caprolactam	113	10.932	10.846	(1.089)	484284	120.000	110
	35 4-Chloro-3-Methylphenol	107	11.073	11.051	(1.103)	1714712	120.000	120
	36 2-Methylnaphthalene	142	11.213	11.203	(1.117)	3458825	120.000	120
	38 Hexachlorocyclopentadiene	237	11.472	11.462	(0.889)	1002131	120.000	150
	39 2,4,6-Trichlorophenol	196	11.699	11.689	(0.907)	1349258	120.000	120
	40 2,4,5-Trichlorophenol	196	11.775	11.754	(0.913)	1531229	120.000	120
$	41 2-Fluorobiphenyl	172	11.840	11.829	(0.918)	4681463	120.000	120
	98 1,1'-Biphenyl	154	11.991	11.980	(0.930)	4737114	120.000	120
	42 2-Chloronaphthalene	162	12.002	11.991	(0.930)	3826823	120.000	120
	43 2-Nitroaniline	65	12.207	12.186	(0.946)	1142043	120.000	120
	44 Dimethylphthalate	163	12.574	12.542	(0.975)	4719371	120.000	120
	45 2,6-Dinitrotoluene	165	12.639	12.618	(0.980)	1184106	120.000	120
	46 Acenaphthylene	152	12.672	12.650	(0.982)	5432500	120.000	120
	47 3-Nitroaniline	138	12.899	12.866	(1.000)	961110	120.000	120
*	48 Acenaphthene-d10	164	12.899	12.888	(1.000)	1056284	40.0000	
	49 Acenaphthene	153	12.963	12.942	(1.005)	3502087	120.000	120
	50 2,4-Dinitrophenol	184	13.071	13.039	(1.013)	744787	120.000	130
	51 4-Nitrophenol	109	13.233	13.201	(1.026)	713478	120.000	120(Q)
	53 2,4-Dinitrotoluene	165	13.287	13.266	(1.030)	1523643	120.000	120(Q)
	52 Dibenzofuran	168	13.244	13.223	(1.027)	5441110	120.000	120
	110 2,3,4,6-Tetrachlorophenol	232	13.460	13.439	(1.044)	1415027	120.000	130
	54 Diethylphthalate	149	13.709	13.687	(1.063)	4765278	120.000	120
	56 4-Chlorophenyl-phenylether	204	13.828	13.806	(1.072)	2195504	120.000	120
	55 Fluorene	166	13.795	13.774	(1.070)	4421174	120.000	120
	57 4-Nitroaniline	138	13.914	13.871	(1.079)	827702	120.000	120
	58 4,6-Dinitro-2-methylphenol	198	13.957	13.914	(0.912)	1072990	120.000	120
	59 N-Nitrosodiphenylamine	169	14.044	14.022	(0.918)	3746089	120.000	130
	97 Azobenzene	77	14.087	14.066	(0.921)	4103878	120.000	120
$	60 2,4,6-Tribromophenol	330	14.195	14.174	(0.928)	1104617	120.000	120
	61 4-Bromophenyl-phenylether	248	14.616	14.606	(0.956)	1396280	120.000	120
	62 Hexachlorobenzene	284	14.670	14.660	(0.959)	1864660	120.000	120
	100 Atrazine	200	14.962	14.941	(0.978)	1082693	120.000	120
	63 Pentachlorophenol	266	15.016	15.005	(0.982)	1009491	120.000	130
*	64 Phenanthrene-d10	188	15.297	15.286	(1.000)	1589345	40.0000	
	65 Phenanthrene	178	15.340	15.330	(1.003)	6330194	120.000	130
	66 Anthracene	178	15.427	15.416	(1.008)	6174567	120.000	120
	67 Carbazole	167	15.707	15.697	(1.027)	4305935	120.000	120
	68 Di-n-butylphthalate	149	16.356	16.345	(1.069)	8163189	120.000	120
	69 Fluoranthene	202	17.263	17.253	(1.129)	6156624	120.000	120
	70 Benzidine	184	17.533	17.523	(0.894)	1788855	120.000	140
	71 Pyrene	202	17.631	17.609	(0.899)	6645318	120.000	120
$	72 Terphenyl-d14	244	17.933	17.922	(0.915)	5054364	120.000	120
	73 Butylbenzylphthalate	149	18.787	18.776	(0.958)	3775485	120.000	120
	74 3,3'-Dichlorobenzidine	252	19.597	19.575	(0.999)	2442062	120.000	120
	78 bis(2-Ethylhexyl)phthalate	149	19.759	19.748	(1.008)	5416607	120.000	120
	75 Benzo(a)anthracene	228	19.586	19.565	(0.999)	6524575	120.000	120
*	76 Chrysene-d12	240	19.608	19.586	(1.000)	1983742	40.0000	
	77 Chrysene	228	19.662	19.629	(1.003)	5602174	120.000	120
	79 Di-n-octylphthalate	149	20.774	20.753	(0.956)	8576077	120.000	120
	80 Benzo(b)fluoranthene	252	21.228	21.196	(0.977)	7521317	120.000	140
	81 Benzo(k)fluoranthene	252	21.271	21.250	(0.979)	5411170	120.000	100

Data File: S1F6645.D
Report Date: 13-May-2008 09:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
82 Benzo(a)pyrene	252	21.682	21.650	(0.998)	5777594	120.000	120
* 83 Perylene-d12	264	21.736	21.725	(1.000)	1571455	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	23.194	23.151	(1.067)	6459365	120.000	120
85 Dibenzo(a,h)anthracene	278	23.227	23.184	(1.069)	5902774	120.000	130
86 Benzo(g,h,i)perylene	276	23.583	23.551	(1.085)	5382752	120.000	120

QC Flag Legend

Q - Qualifier signal failed the ratio test.

05/13/08 BM

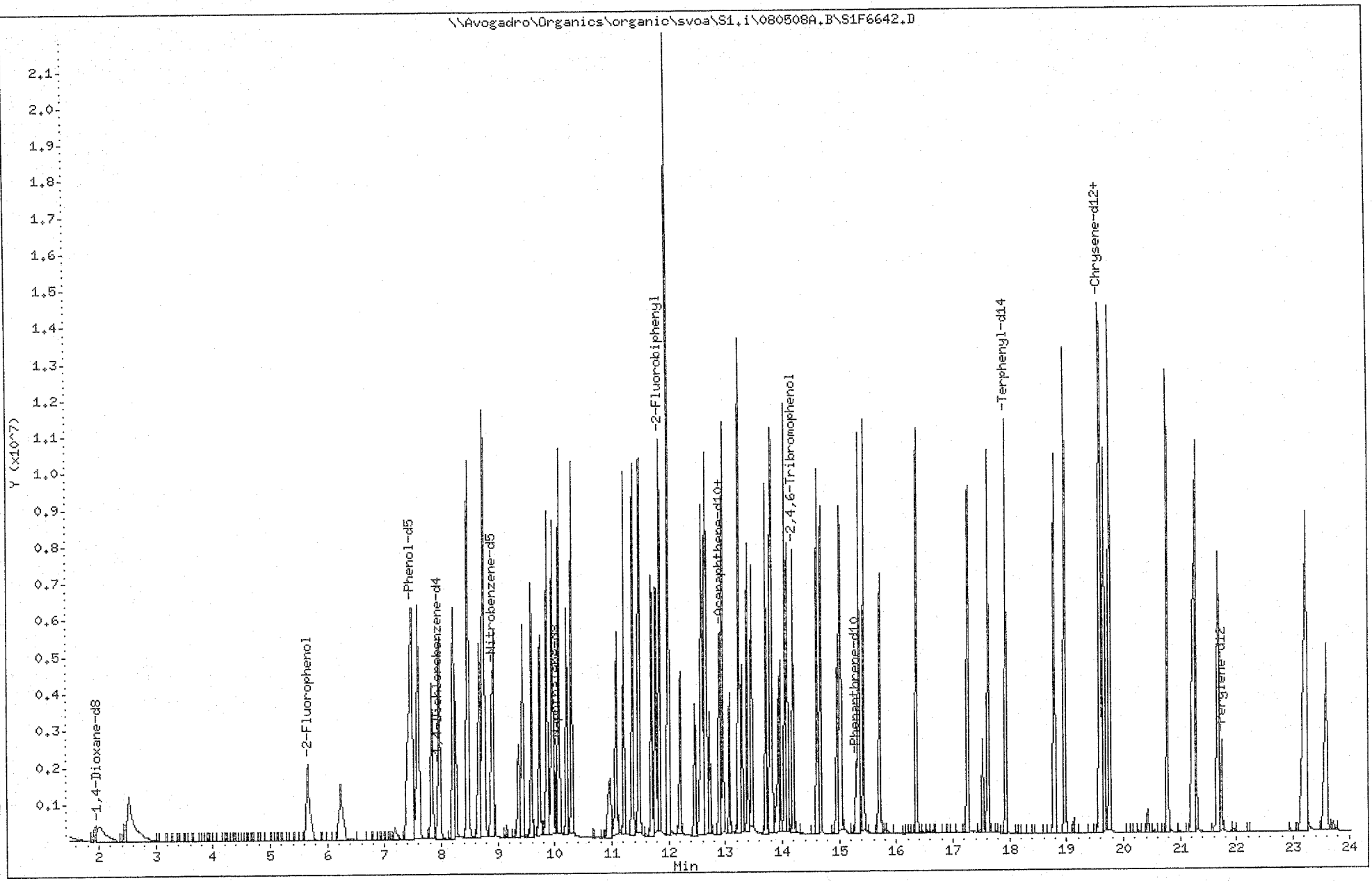
CK 5/13/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6642.D
Date : 08-MAY-2008 14:02
Client ID: SSTD1601Z
Sample Info: SSTD1601Z,SSTD1601Z

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1F6642.D
Report Date: 13-May-2008 09:48

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6642.D
Lab Smp Id: SSTD1601Z Client Smp ID: SSTD1601Z
Inj Date : 08-MAY-2008 14:02
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD1601Z,SSTD1601Z
Misc Info : 1,6
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\s1_8270C_N.m
Meth Date : 13-May-2008 09:48 beata Quant Type: ISTD
Cal Date : 08-MAY-2008 15:50 Cal File: S1F6644.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET101

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	109 1,4-Dioxane-d8	96	1.979	2.009	(0.249)	921652	160.000	170(AQ)
	111 2-Butoxyethanol	57	6.236	6.211	(0.785)	2142137	160.000	170(A)
	108 1,4-Dioxane	88	2.033	2.063	(0.256)	678120	160.000	180(AQ)
	1 N-Nitrosodimethylamine	74	2.530	2.527	(0.319)	759440	160.000	140
	2 Pyridine	79	2.530	2.538	(0.319)	1391589	160.000	160
$	3 2-Fluorophenol	112	5.663	5.639	(0.713)	2226419	160.000	170(A)
	101 Benzaldehyde	77	7.187	7.194	(0.905)	204074	160.000	78
$	5 Phenol-d5	99	7.468	7.432	(0.940)	3254690	160.000	170(A)
	6 Phenol	94	7.500	7.454	(0.944)	3527992	160.000	180(AH)
	7 Aniline	93	7.414	7.400	(0.933)	3148168	160.000	160(A)
	8 bis(2-Chloroethyl)Ether	93	7.597	7.562	(0.956)	2556022	160.000	170(A)
	10 2-Chlorophenol	128	7.608	7.594	(0.958)	2698141	160.000	180(A)
	11 1,3-Dichlorobenzene	146	7.835	7.832	(0.986)	2573287	160.000	160(A)
*	12 1,4-Dichlorobenzene-d4	152	7.943	7.940	(1.000)	422752	40.0000	(Q)
	13 1,4-Dichlorobenzene	146	7.975	7.962	(1.004)	2738973	160.000	160(A)
	15 Benzyl Alcohol	108	8.256	8.221	(1.039)	1645989	160.000	180(A)
	16 1,2-Dichlorobenzene	146	8.213	8.210	(1.034)	2619163	160.000	160(A)
	17 2-Methylphenol	108	8.472	8.448	(1.067)	2583691	160.000	180(A)
	18 2,2'-oxybis(1-Chloropropane)	45	8.472	8.459	(1.067)	3367740	160.000	150
	20 4-Methylphenol	108	8.753	8.718	(1.102)	2700640	160.000	180(A)
	19 N-Nitroso-di-n-propylamine	70	8.721	8.685	(1.098)	1154664	160.000	140(Q)
	99 Acetophenone	105	8.678	8.642	(1.092)	3142494	160.000	160(A)
	21 Hexachloroethane	117	8.764	8.761	(1.103)	1434300	160.000	190(A)
$	22 Nitrobenzene-d5	82	8.904	8.880	(0.887)	2536999	160.000	160
	23 Nitrobenzene	77	8.937	8.912	(0.890)	2235329	160.000	150
	24 Isophorone	82	9.358	9.323	(0.932)	4073081	160.000	150
	25 2-Nitrophenol	139	9.445	9.431	(0.941)	1486219	160.000	170(A)
	26 2,4-Dimethylphenol	107	9.596	9.571	(0.956)	2891280	160.000	180(A)
	28 Benzoic Acid	105	9.974	9.841	(0.994)	1433934	160.000	190(A)
	27 bis(2-Chloroethoxy)methane	93	9.747	9.723	(0.971)	2977221	160.000	160(A)
	29 2,4-Dichlorophenol	162	9.866	9.841	(0.983)	2559851	160.000	170(A)
	30 1,2,4-Trichlorobenzene	180	9.963	9.949	(0.992)	2674938	160.000	160(A)
*	31 Naphthalene-d8	136	10.039	10.036	(1.000)	1549043	40.0000	

Data File: S1F6642.D
Report Date: 13-May-2008 09:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	32 Naphthalene	128	10.082	10.068	(1.004)	6361015	160.000	160(A)
	33 4-Chloroaniline	127	10.212	10.187	(1.017)	2664283	160.000	160(A)
	34 Hexachlorobutadiene	225	10.298	10.295	(1.026)	1697430	160.000	170(A)
	102 Caprolactam	113	10.979	10.846	(1.094)	654763	160.000	150(Q)
	35 4-Chloro-3-Methylphenol	107	11.087	11.051	(1.104)	2202852	160.000	160
	36 2-Methylnaphthalene	142	11.216	11.203	(1.117)	4393052	160.000	160(A)
	38 Hexachlorocyclopentadiene	237	11.476	11.462	(0.889)	1224550	160.000	200(A)
	39 2,4,6-Trichlorophenol	196	11.713	11.689	(0.908)	1784573	160.000	170(A)
	40 2,4,5-Trichlorophenol	196	11.789	11.754	(0.914)	1973290	160.000	170(A)
$	41 2-Fluorobiphenyl	172	11.843	11.829	(0.918)	5753398	160.000	170(A)
	98 1,1'-Biphenyl	154	12.005	11.980	(0.930)	5718275	160.000	160(A)
	42 2-Chloronaphthalene	162	12.016	11.991	(0.931)	5068652	160.000	170(A)
	43 2-Nitroaniline	65	12.221	12.186	(0.947)	1451247	160.000	160(A)
	44 Dimethylphthalate	163	12.588	12.542	(0.976)	5806373	160.000	170(A)
	45 2,6-Dinitrotoluene	165	12.653	12.618	(0.981)	1557798	160.000	170(A)
	46 Acenaphthylene	152	12.675	12.650	(0.982)	6828717	160.000	170(A)
	47 3-Nitroaniline	138	12.913	12.866	(1.001)	1230241	160.000	160(A)
*	48 Acenaphthene-d10	164	12.902	12.888	(1.000)	966158	40.0000	
	49 Acenaphthene	153	12.967	12.942	(1.005)	4237064	160.000	160(A)
	50 2,4-Dinitrophenol	184	13.085	13.039	(1.014)	990943	160.000	190(A)
	51 4-Nitrophenol	109	13.237	13.201	(1.026)	971078	160.000	180(AQ)
	53 2,4-Dinitrotoluene	165	13.302	13.266	(1.031)	1979241	160.000	170(AQ)
	52 Dibenzofuran	168	13.248	13.223	(1.027)	6651376	160.000	160(A)
	110 2,3,4,6-Tetrachlorophenol	232	13.474	13.439	(1.044)	1796390	160.000	180(A)
	54 Diethylphthalate	149	13.723	13.687	(1.064)	5921858	160.000	160(A)
	56 4-Chlorophenyl-phenylether	204	13.831	13.806	(1.072)	2899286	160.000	180(A)
	55 Fluorene	166	13.798	13.774	(1.069)	5552468	160.000	170(A)
	57 4-Nitroaniline	138	13.939	13.871	(1.080)	964679	160.000	150
	58 4,6-Dinitro-2-methylphenol	198	13.971	13.914	(0.913)	1386907	160.000	180(A)
	59 N-Nitrosodiphenylamine	169	14.058	14.022	(0.919)	4557050	160.000	170(A)
	97 Azobenzene	77	14.090	14.066	(0.921)	5641628	160.000	180(A)
$	60 2,4,6-Tribromophenol	330	14.198	14.174	(0.928)	1406392	160.000	170(A)
	61 4-Bromophenyl-phenylether	248	14.620	14.606	(0.956)	1820051	160.000	180(A)
	62 Hexachlorobenzene	284	14.684	14.660	(0.960)	2402312	160.000	170(A)
	100 Atrazine	200	14.976	14.941	(0.979)	1324784	160.000	170(A)
	63 Pentachlorophenol	266	15.019	15.005	(0.982)	1377380	160.000	200(A)
*	64 Phenanthrene-d10	188	15.300	15.286	(1.000)	1424055	40.0000	
	65 Phenanthrene	178	15.354	15.330	(1.004)	7651275	160.000	170(A)
	66 Anthracene	178	15.441	15.416	(1.009)	7423456	160.000	170(A)
	67 Carbazole	167	15.722	15.697	(1.028)	5427553	160.000	160(A)
	68 Di-n-butylphthalate	149	16.370	16.345	(1.070)	10023335	160.000	170(A)
	69 Fluoranthene	202	17.277	17.253	(1.129)	8126598	160.000	180(A)
	70 Benzidine	184	17.537	17.523	(0.894)	1618685	160.000	140
	71 Pyrene	202	17.634	17.609	(0.899)	7918385	160.000	150
$	72 Terphenyl-d14	244	17.947	17.922	(0.915)	6686852	160.000	170(A)
	73 Butylbenzylphthalate	149	18.790	18.776	(0.958)	4827036	160.000	160
	74 3,3'-Dichlorobenzidine	252	19.611	19.575	(1.000)	3110353	160.000	170(A)
	78 bis(2-Ethylhexyl)phthalate	149	19.762	19.748	(1.008)	6591183	160.000	160(A)
	75 Benzo(a)anthracene	228	19.589	19.565	(0.999)	8203513	160.000	160(A)
*	76 Chrysene-d12	240	19.611	19.586	(1.000)	1838478	40.0000	
	77 Chrysene	228	19.665	19.629	(1.003)	7398698	160.000	170(A)
	79 Di-n-octylphthalate	149	20.778	20.753	(0.956)	11261056	160.000	180(A)
	80 Benzo(b)fluoranthene	252	21.253	21.196	(0.978)	10429896	160.000	220(A)
	81 Benzo(k)fluoranthene	252	21.285	21.250	(0.979)	7035934	160.000	150(H)

Data File: S1F6642.D
Report Date: 13-May-2008 09:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
82 Benzo(a)pyrene	252	21.685	21.650	(0.998)	7401336	160.000	180(A)
* 83 Perylene-d12	264	21.739	21.725	(1.000)	1393612	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	23.208	23.151	(1.068)	8605056	160.000	180(A)
85 Dibenzo(a,h)anthracene	278	23.241	23.184	(1.069)	7597676	160.000	180(A)
86 Benzo(g,h,i)perylene	276	23.608	23.551	(1.086)	7059505	160.000	180(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

05/13/08 BM

05/13/08

7E - FORM VII SV-1

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date: 05/02/2008 Time: 14:40

Lab File ID: S1F6561.D Init. Calib. Date(s): 04/22/2008 04/22/2008

EPA Sample No.(SSTD020##): SSTD0501U Init. Calib. Time(s): 17:16 21:11

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX %D
Phenol	1.391	1.217	0.010	-12.5	20.0
Bis(2-chloroethyl)ether	1.046	0.895	0.010	-14.4	20.0
2-Chlorophenol	1.517	1.434	0.010	-5.5	20.0
1,3-Dichlorobenzene	1.587	1.592	0.010	0.3	20.0
1,4-Dichlorobenzene	1.649	1.644	0.010	-0.3	20.0
1,2-Dichlorobenzene	1.507	1.520	0.010	0.8	20.0
2-Methylphenol	1.124	1.056	0.010	-6.0	20.0
2,2´-oxybis(1-Chloropropane)	1.282	0.922	0.010	-28.1	20.0
4-Methylphenol	1.178	1.058	0.010	-10.2	20.0
N-Nitroso-di-n-propylamine	0.639	0.511	0.050	-20.1	20.0
Hexachloroethane	0.672	0.686	0.010	2.1	20.0
Nitrobenzene	0.282	0.256	0.010	-9.2	20.0
Isophorone	0.474	0.389	0.010	-17.9	20.0
2-Nitrophenol	0.223	0.232	0.010	4.0	20.0
2,4-Dimethylphenol	0.358	0.340	0.010	-5.0	20.0
2,4-Dichlorophenol	0.311	0.346	0.010	11.3	20.0
1,2,4-Trichlorobenzene	0.366	0.397	0.010	8.3	20.0
Naphthalene	1.010	0.976	0.010	-3.4	20.0
4-Chloroaniline	0.410	0.434	0.010	5.7	20.0
Bis(2-chloroethoxy)methane	0.326	0.283	0.010	-13.3	20.0
Hexachlorobutadiene	0.224	0.262	0.010	16.7	20.0
4-Chloro-3-methylphenol	0.281	0.289	0.010	2.9	20.0
2-Methylnaphthalene	0.600	0.567	0.010	-5.5	20.0
Hexachlorocyclopentadiene	0.193	0.270	0.050	40.0	20.0
2,4,6-Trichlorophenol	0.457	0.511	0.010	11.8	20.0
2,4,5-Trichlorophenol	0.509	0.550	0.010	8.1	20.0
2-Chloronaphthalene	1.182	1.216	0.010	2.9	20.0
2-Nitroaniline	0.302	0.271	0.010	-10.1	20.0
Dimethylphthalate	1.461	1.556	0.010	6.5	20.0
Acenaphthylene	1.782	1.763	0.010	-1.0	20.0
2,6-Dinitrotoluene	0.383	0.414	0.010	8.1	20.0
3-Nitroaniline	0.318	0.346	0.010	8.8	20.0
Acenaphthene	1.100	1.167	0.010	6.1	20.0
2,4-Dinitrophenol	0.162	0.156	0.050	-3.3	20.0
4-Nitrophenol	0.170	0.231	0.050	35.8	20.0
Dibenzofuran	1.608	1.737	0.010	8.0	20.0
2,4-Dinitrotoluene	0.466	0.528	0.010	13.4	20.0
Diethylphthalate	1.551	1.628	0.010	5.0	20.0
4-Chlorophenyl-phenylether	0.701	0.782	0.010	11.5	20.0
Fluorene	1.285	1.387	0.010	8.0	20.0
4-Nitroaniline	0.256	0.283	0.010	10.4	20.0
4,6-Dinitro-2-methylphenol	0.168	0.154	0.010	-8.3	20.0

7F - FORM VII SV-2

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date: 05/02/2008 Time: 14:40

Lab File ID: S1F6561.D Init. Calib. Date(s): 04/22/2008 04/22/2008

EPA Sample No.(SSTD020##): SSTD0501U Init. Calib. Time(s): 17:16 21:11

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX %D
N-Nitrosodiphenylamine	0.686	0.713	0.010	4.0	20.0
4-Bromophenyl-phenylether	0.270	0.283	0.010	4.7	20.0
Hexachlorobenzene	0.339	0.353	0.010	4.1	20.0
Pentachlorophenol	0.127	0.127	0.010	0.1	20.0
Phenanthrene	1.190	1.176	0.010	-1.2	20.0
Anthracene	1.169	1.118	0.010	-4.4	20.0
Carbazole	0.813	0.831	0.010	2.2	20.0
Di-n-butylphthalate	1.647	1.642	0.010	-0.3	20.0
Fluoranthene	1.194	1.205	0.010	1.0	20.0
Pyrene	1.434	1.198	0.010	-16.5	20.0
Butylbenzylphthalate	0.802	0.758	0.010	-5.5	20.0
3,3´-Dichlorobenzidine	0.311	0.419	0.010	34.9	20.0
Benzo(a)anthracene	1.180	1.193	0.010	1.1	20.0
Chrysene	1.095	1.093	0.010	-0.2	20.0
Bis(2-ethylhexyl)phthalate	1.126	1.086	0.010	-3.5	20.0
Di-n-octylphthalate	2.208	2.270	0.010	2.8	20.0
Benzo(b)fluoranthene	1.396	1.353	0.010	-3.1	20.0
Benzo(k)fluoranthene	1.322	1.508	0.010	14.1	20.0
Benzo(a)pyrene	1.195	1.240	0.010	3.8	20.0
Indeno(1,2,3-cd)pyrene	1.158	1.306	0.010	12.8	20.0
Dibenzo(a,h)anthracene	0.977	1.137	0.010	16.4	20.0
Benzo(g,h,i)perylene	0.951	1.069	0.010	12.4	20.0

7G - FORM VII SV-3

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date: 05/02/2008 Time: 14:40

Lab File ID: S1F6561.D Init. Calib. Date(s): 04/22/2008 04/22/2008

EPA Sample No.(SSTD020##): SSTD0501U Init. Calib. Time(s): 17:16 21:11

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX %D
Nitrobenzene-d5	0.284	0.251	0.010	-11.9	20.0
2-Fluorobiphenyl	1.406	1.438	0.010	2.3	20.0
Terphenyl-d14	0.959	0.882	0.010	-8.0	20.0
Phenol-d5	1.360	1.243	0.010	-8.6	20.0
2-Fluorophenol	1.326	1.232	0.010	-7.1	20.0
2,4,6-Tribromophenol	0.181	0.203	0.010	12.3	20.0

7E - FORM VII SV-1

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date: 05/13/2008 Time: 09:57

Lab File ID: S1F6751.D Init. Calib. Date(s): 05/08/2008 05/08/2008

EPA Sample No.(SSTD020##): SSTD0501E Init. Calib. Time(s): 13:00 16:54

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX %D
Phenol	1.905	1.642	0.010	-13.8	20.0
Bis(2-chloroethyl)ether	1.393	1.341	0.010	-3.7	20.0
2-Chlorophenol	1.390	1.470	0.010	5.8	20.0
1,3-Dichlorobenzene	1.488	1.530	0.010	2.9	20.0
1,4-Dichlorobenzene	1.574	1.568	0.010	-0.4	20.0
1,2-Dichlorobenzene	1.501	1.419	0.010	-5.5	20.0
2-Methylphenol	1.347	1.239	0.010	-8.0	20.0
2,2´-oxybis(1-Chloropropane)	2.068	1.614	0.010	-21.9	20.0
4-Methylphenol	1.418	1.317	0.010	-7.1	20.0
N-Nitroso-di-n-propylamine	0.758	0.837	0.050	10.4	20.0
Hexachloroethane	0.727	0.726	0.010	-0.2	20.0
Nitrobenzene	0.379	0.389	0.010	2.6	20.0
Isophorone	0.692	0.690	0.010	-0.3	20.0
2-Nitrophenol	0.229	0.250	0.010	9.1	20.0
2,4-Dimethylphenol	0.423	0.464	0.010	9.6	20.0
2,4-Dichlorophenol	0.383	0.374	0.010	-2.4	20.0
1,2,4-Trichlorobenzene	0.431	0.456	0.010	5.9	20.0
Naphthalene	0.998	1.080	0.010	8.2	20.0
4-Chloroaniline	0.426	0.437	0.010	2.6	20.0
Bis(2-chloroethoxy)methane	0.464	0.427	0.010	-8.1	20.0
Hexachlorobutadiene	0.261	0.288	0.010	10.1	20.0
4-Chloro-3-methylphenol	0.359	0.387	0.010	8.0	20.0
2-Methylnaphthalene	0.689	0.711	0.010	3.3	20.0
Hexachlorocyclopentadiene	0.251	0.271	0.050	7.8	20.0
2,4,6-Trichlorophenol	0.423	0.462	0.010	9.2	20.0
2,4,5-Trichlorophenol	0.478	0.532	0.010	11.4	20.0
2-Chloronaphthalene	1.217	1.218	0.010	0.1	20.0
2-Nitroaniline	0.368	0.378	0.010	2.7	20.0
Dimethylphthalate	1.431	1.474	0.010	3.0	20.0
Acenaphthylene	1.665	1.746	0.010	4.9	20.0
2,6-Dinitrotoluene	0.384	0.403	0.010	4.9	20.0
3-Nitroaniline	0.314	0.309	0.010	-1.6	20.0
Acenaphthene	1.075	1.158	0.010	7.7	20.0
2,4-Dinitrophenol	0.216	0.166	0.050	-23.1	20.0
4-Nitrophenol	0.226	0.257	0.050	13.7	20.0
Dibenzofuran	1.670	1.687	0.010	1.0	20.0
2,4-Dinitrotoluene	0.487	0.500	0.010	2.8	20.0
Diethylphthalate	1.491	1.437	0.010	-3.6	20.0
4-Chlorophenyl-phenylether	0.669	0.698	0.010	4.4	20.0
Fluorene	1.358	1.299	0.010	-4.3	20.0
4-Nitroaniline	0.272	0.289	0.010	6.2	20.0
4,6-Dinitro-2-methylphenol	0.219	0.182	0.010	-16.8	20.0

7F - FORM VII SV-2

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date: 05/13/2008 Time: 09:57

Lab File ID: S1F6751.D Init. Calib. Date(s): 05/08/2008 05/08/2008

EPA Sample No.(SSTD020##): SSTD0501E Init. Calib. Time(s): 13:00 16:54

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX %D
N-Nitrosodiphenylamine	0.743	0.736	0.010	-0.9	20.0
4-Bromophenyl-phenylether	0.285	0.285	0.010	0.0	20.0
Hexachlorobenzene	0.386	0.377	0.010	-2.3	20.0
Pentachlorophenol	0.195	0.164	0.010	-15.6	20.0
Phenanthrene	1.248	1.207	0.010	-3.3	20.0
Anthracene	1.246	1.193	0.010	-4.3	20.0
Carbazole	0.942	0.918	0.010	-2.5	20.0
Di-n-butylphthalate	1.671	1.506	0.010	-9.9	20.0
Fluoranthene	1.258	1.197	0.010	-4.8	20.0
Pyrene	1.128	1.272	0.010	12.8	20.0
Butylbenzylphthalate	0.661	0.708	0.010	7.0	20.0
3,3´-Dichlorobenzidine	0.408	0.349	0.010	-14.4	20.0
Benzo(a)anthracene	1.105	1.137	0.010	2.9	20.0
Chrysene	0.967	1.064	0.010	10.1	20.0
Bis(2-ethylhexyl)phthalate	0.891	0.959	0.010	7.6	20.0
Di-n-octylphthalate	1.800	2.397	0.010	33.2	20.0
Benzo(b)fluoranthene	1.372	1.424	0.010	3.8	20.0
Benzo(k)fluoranthene	1.313	1.359	0.010	3.5	20.0
Benzo(a)pyrene	1.197	1.242	0.010	3.8	20.0
Indeno(1,2,3-cd)pyrene	1.338	0.856	0.010	-36.0	20.0
Dibenzo(a,h)anthracene	1.182	0.739	0.010	-37.5	20.0
Benzo(g,h,i)perylene	1.131	0.605	0.010	-46.5	20.0

7G - FORM VII SV-3

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Instrument ID: S1 Calibration Date: 05/13/2008 Time: 09:57

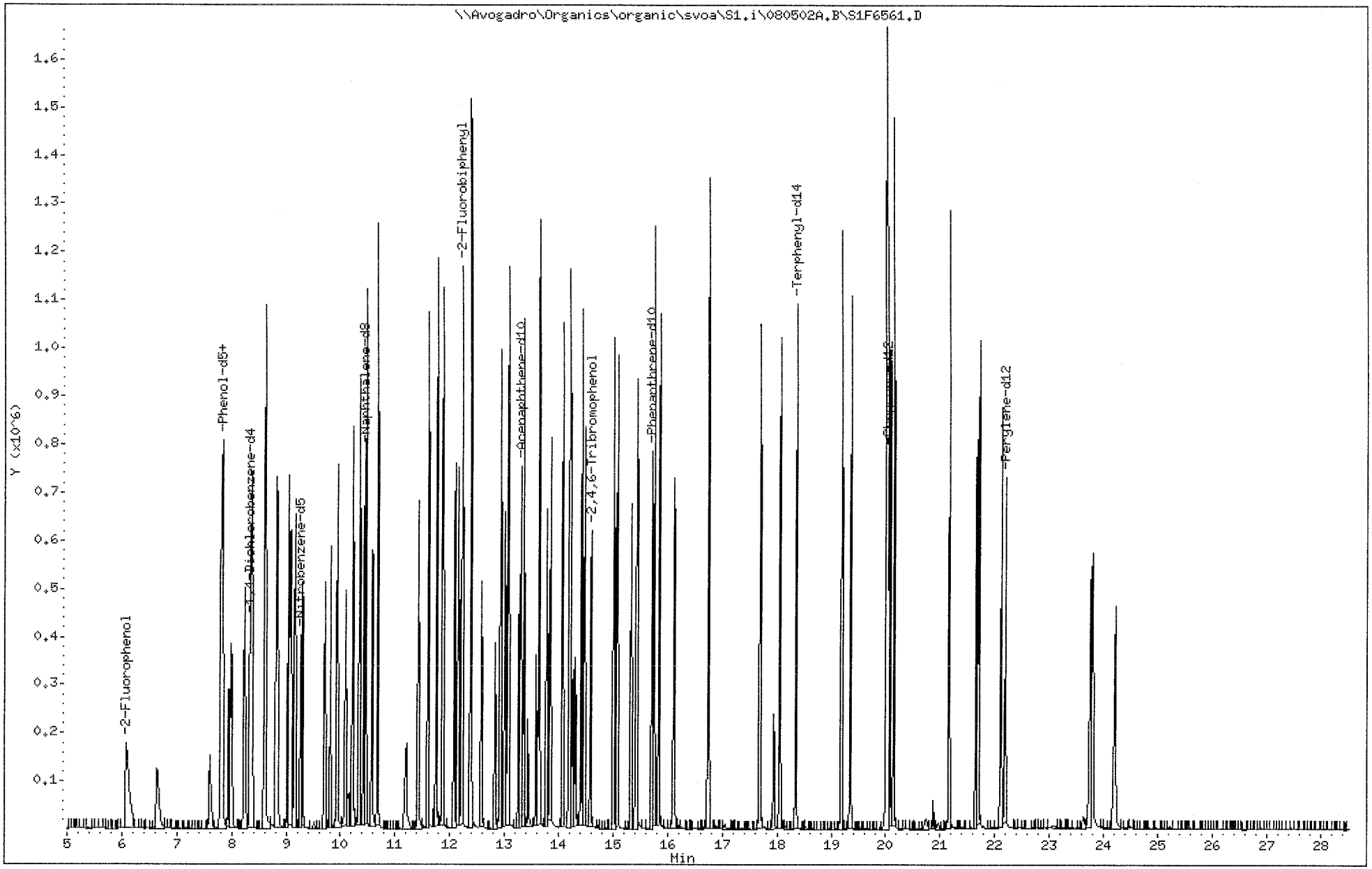
Lab File ID: S1F6751.D Init. Calib. Date(s): 05/08/2008 05/08/2008

EPA Sample No.(SSTD020##): SSTD0501E Init. Calib. Time(s): 13:00 16:54

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX %D
Nitrobenzene-d5	0.410	0.424	0.010	3.5	20.0
2-Fluorobiphenyl	1.412	1.511	0.010	7.0	20.0
Terphenyl-d14	0.862	0.963	0.010	11.8	20.0
Phenol-d5	1.765	1.633	0.010	-7.5	20.0
2-Fluorophenol	1.205	1.313	0.010	9.0	20.0
2,4,6-Tribromophenol	0.227	0.231	0.010	1.9	20.0

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6561.D
Date : 02-MAY-2008 14:40
Client ID: SSTD0501U
Instrument: S1.i
Sample Info: SSTD0501U,SSTD0501U
Volume Injected (uL): 1.0
Operator: DK SRC: DK
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F6561.D
Report Date: 19-May-2008 11:30

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6561.D
Lab Smp Id: SSTD0501U Client Smp ID: SSTD0501U
Inj Date : 02-MAY-2008 14:40
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0501U,SSTD0501U
Misc Info : 2,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\s1_8270C_N.m
Meth Date : 19-May-2008 11:30 S1.i Quant Type: ISTD
Cal Date : 22-APR-2008 20:35 Cal File: S1F6435.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET113

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 3	2-Fluorophenol	112	6.084	6.084	(0.730)	251300	50.0000	46
$ 5	Phenol-d5	99	7.812	7.812	(0.938)	253566	50.0000	46
6	Phenol	94	7.823	7.823	(0.939)	248149	50.0000	44
8	bis(2-Chloroethyl)Ether	93	7.953	7.953	(0.955)	182511	50.0000	43
10	2-Chlorophenol	128	7.985	7.985	(0.959)	292491	50.0000	47
11	1,3-Dichlorobenzene	146	8.234	8.234	(0.988)	324686	50.0000	50
* 12	1,4-Dichlorobenzene-d4	152	8.331	8.331	(1.000)	163172	40.0000	
13	1,4-Dichlorobenzene	146	8.363	8.363	(1.004)	335359	50.0000	50
16	1,2-Dichlorobenzene	146	8.601	8.601	(1.032)	309988	50.0000	50
17	2-Methylphenol	108	8.817	8.817	(1.058)	215463	50.0000	47
18	2,2'-oxybis(1-Chloropropane)	45	8.839	8.839	(1.061)	188086	50.0000	36
20	4-Methylphenol	108	9.087	9.087	(1.091)	215706	50.0000	45
19	N-Nitroso-di-n-propylamine	70	9.055	9.055	(1.087)	104162	50.0000	40
21	Hexachloroethane	117	9.152	9.152	(1.099)	139886	50.0000	51
$ 22	Nitrobenzene-d5	82	9.260	9.260	(0.888)	178011	50.0000	44
23	Nitrobenzene	77	9.292	9.292	(0.891)	181522	50.0000	45
24	Isophorone	82	9.703	9.703	(0.931)	276441	50.0000	41
25	2-Nitrophenol	139	9.811	9.811	(0.941)	164525	50.0000	52
26	2,4-Dimethylphenol	107	9.930	9.930	(0.952)	241505	50.0000	47
27	bis(2-Chloroethoxy)methane	93	10.092	10.092	(0.968)	200986	50.0000	43

Data File: S1F6561.D
Report Date: 19-May-2008 11:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	29 2,4-Dichlorophenol	162	10.222	10.222	(0.980)	246110	50.0000	56
	30 1,2,4-Trichlorobenzene	180	10.340	10.340	(0.992)	281909	50.0000	54
*	31 Naphthalene-d8	136	10.427	10.427	(1.000)	568276	40.0000	
	32 Naphthalene	128	10.459	10.459	(1.003)	693374	50.0000	48
	33 4-Chloroaniline	127	10.578	10.578	(1.015)	307961	50.0000	53
	34 Hexachlorobutadiene	225	10.675	10.675	(1.024)	186145	50.0000	58
	35 4-Chloro-3-Methylphenol	107	11.421	11.421	(1.095)	205513	50.0000	51
	36 2-Methylnaphthalene	142	11.594	11.594	(1.112)	402768	50.0000	47
	38 Hexachlorocyclopentadiene	237	11.853	11.853	(0.892)	99086	50.0000	70
	39 2,4,6-Trichlorophenol	196	12.080	12.080	(0.909)	187977	50.0000	56
	40 2,4,5-Trichlorophenol	196	12.145	12.145	(0.914)	202322	50.0000	54
$	41 2-Fluorobiphenyl	172	12.220	12.220	(0.920)	528577	50.0000	51
	42 2-Chloronaphthalene	162	12.393	12.393	(0.933)	446978	50.0000	51
	43 2-Nitroaniline	65	12.577	12.577	(0.946)	99765	50.0000	45
	44 Dimethylphthalate	163	12.922	12.922	(0.972)	572055	50.0000	53
	45 2,6-Dinitrotoluene	165	12.998	12.998	(0.978)	152269	50.0000	54
	46 Acenaphthylene	152	13.063	13.063	(0.983)	648082	50.0000	49
	47 3-Nitroaniline	138	13.257	13.257	(0.998)	127185	50.0000	54
*	48 Acenaphthene-d10	164	13.290	13.290	(1.000)	294035	40.0000	
	49 Acenaphthene	153	13.344	13.344	(1.004)	428924	50.0000	53
	50 2,4-Dinitrophenol	184	13.430	13.430	(1.011)	57499	50.0000	48
	51 4-Nitrophenol	109	13.582	13.582	(1.022)	84740	50.0000	68
	53 2,4-Dinitrotoluene	165	13.646	13.646	(1.027)	194079	50.0000	57
	52 Dibenzofuran	168	13.636	13.636	(1.026)	638577	50.0000	54
	54 Diethylphthalate	149	14.068	14.068	(1.059)	598332	50.0000	52
	56 4-Chlorophenyl-phenylether	204	14.208	14.208	(1.069)	287595	50.0000	56
	55 Fluorene	166	14.186	14.186	(1.067)	509829	50.0000	54
	57 4-Nitroaniline	138	14.262	14.262	(1.073)	103962	50.0000	55
	58 4,6-Dinitro-2-methylphenol	198	14.305	14.305	(0.911)	96829	50.0000	46(Q)
	59 N-Nitrosodiphenylamine	169	14.413	14.413	(0.917)	448574	50.0000	52
$	60 2,4,6-Tribromophenol	330	14.586	14.586	(0.928)	127838	50.0000	56
	61 4-Bromophenyl-phenylether	248	15.008	15.008	(0.955)	178145	50.0000	52
	62 Hexachlorobenzene	284	15.072	15.072	(0.959)	222218	50.0000	52
	63 Pentachlorophenol	266	15.418	15.418	(0.981)	80033	50.0000	50
*	64 Phenanthrene-d10	188	15.710	15.710	(1.000)	503410	40.0000	
	65 Phenanthrene	178	15.753	15.753	(1.003)	740097	50.0000	49
	66 Anthracene	178	15.839	15.839	(1.008)	703408	50.0000	48
	67 Carbazole	167	16.110	16.110	(1.025)	522754	50.0000	51
	68 Di-n-butylphthalate	149	16.747	16.747	(1.066)	1033038	50.0000	50
	69 Fluoranthene	202	17.687	17.687	(1.126)	758496	50.0000	50
	71 Pyrene	202	18.054	18.054	(0.901)	745611	50.0000	42
$	72 Terphenyl-d14	244	18.346	18.346	(0.915)	549400	50.0000	46
	73 Butylbenzylphthalate	149	19.189	19.189	(0.957)	472161	50.0000	47
	74 3,3'-Dichlorobenzidine	252	20.010	20.010	(0.998)	260807	50.0000	67
	75 Benzo(a)anthracene	228	20.020	20.020	(0.999)	742996	50.0000	50
*	76 Chrysene-d12	240	20.042	20.042	(1.000)	498044	40.0000	
	78 bis(2-Ethylhexyl)phthalate	149	20.150	20.150	(1.005)	676068	50.0000	48
	77 Chrysene	228	20.085	20.085	(1.002)	680364	50.0000	50
	79 Di-n-octylphthalate	149	21.166	21.166	(0.954)	1089923	50.0000	51
	80 Benzo(b)fluoranthene	252	21.663	21.663	(0.976)	649349	50.0000	48
	81 Benzo(k)fluoranthene	252	21.706	21.706	(0.978)	723798	50.0000	57
	82 Benzo(a)pyrene	252	22.116	22.116	(0.997)	595466	50.0000	52
*	83 Perylene-d12	264	22.192	22.192	(1.000)	384077	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	23.758	23.758	(1.071)	627094	50.0000	56

Data File: S1F6561.D
Report Date: 19-May-2008 11:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
85 Dibenzo(a,h)anthracene	278	23.791	23.791	(1.072)	546075	50.0000	58
86 Benzo(g,h,i)perylene	276	24.212	24.212	(1.091)	513170	50.0000	56

5/19/08
JS

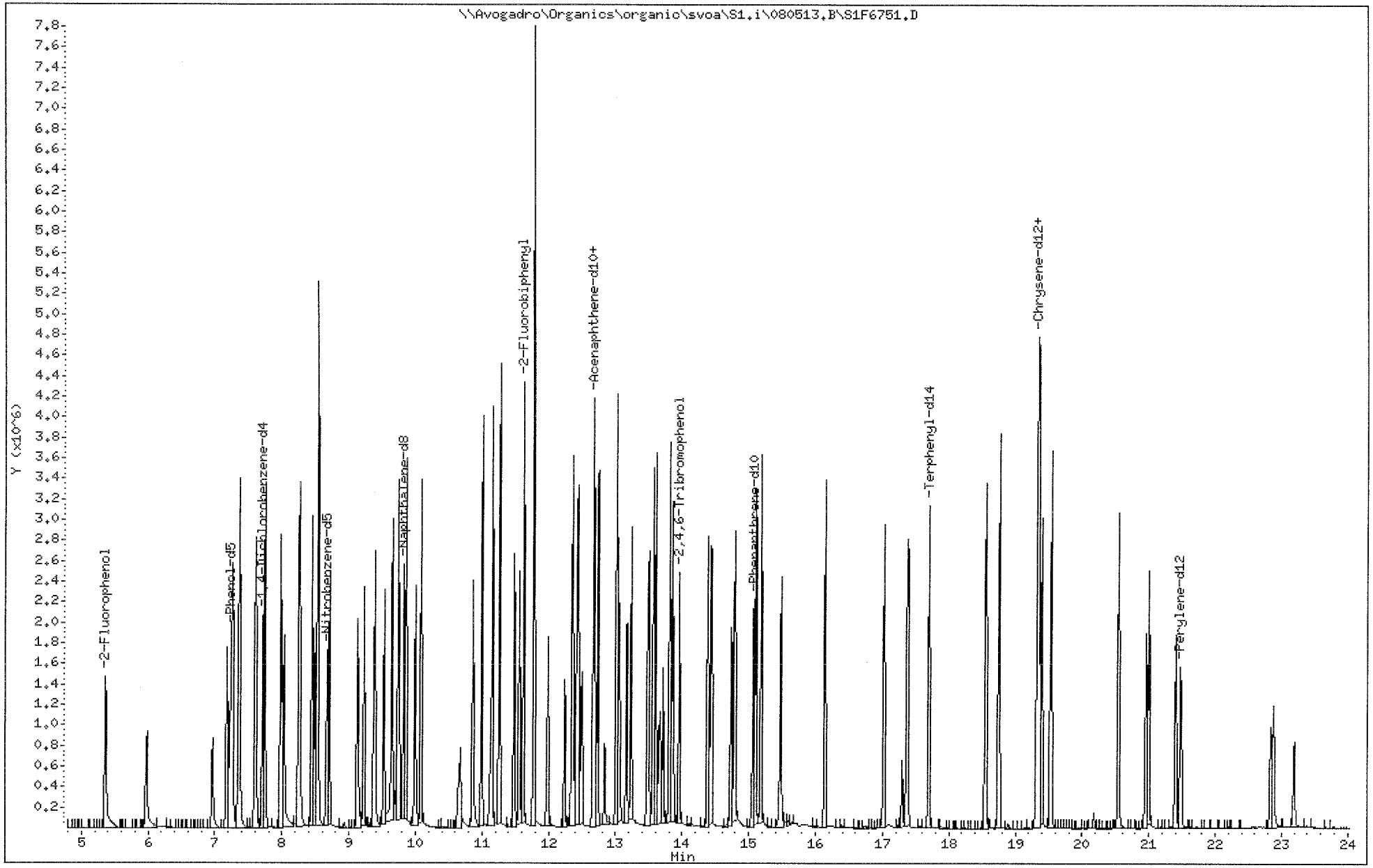
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080513.B\S1F6751.D
Date : 13-MAY-2008 09:57
Client ID: SSTD0501E
Sample Info: SSTD0501E,SSTD0501E

Instrument: S1.i

Operator: DK SRC: DK
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F6751.D
Report Date: 19-May-2008 11:34

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080513.B\S1F6751.D
Lab Smp Id: SSTD0501E Client Smp ID: SSTD0501E
Inj Date : 13-MAY-2008 09:57
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0501E,SSTD0501E
Misc Info : 2,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080513.B\s1_8270C_N.m
Meth Date : 19-May-2008 11:34 S1.i Quant Type: ISTD
Cal Date : 08-MAY-2008 15:50 Cal File: S1F6644.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET113

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	3 2-Fluorophenol	112	5.357	5.357	(0.695)	867911	50.0000	54
$	5 Phenol-d5	99	7.237	7.237	(0.938)	1079588	50.0000	46
	6 Phenol	94	7.259	7.259	(0.941)	1085756	50.0000	43
	8 bis(2-Chloroethyl)Ether	93	7.356	7.356	(0.954)	886640	50.0000	48
	10 2-Chlorophenol	128	7.367	7.367	(0.955)	971747	50.0000	53
	11 1,3-Dichlorobenzene	146	7.604	7.604	(0.986)	1011671	50.0000	51
*	12 1,4-Dichlorobenzene-d4	152	7.712	7.712	(1.000)	528842	40.0000	
	13 1,4-Dichlorobenzene	146	7.745	7.745	(1.004)	1036310	50.0000	50
	16 1,2-Dichlorobenzene	146	7.983	7.983	(1.035)	937856	50.0000	47
	17 2-Methylphenol	108	8.253	8.253	(1.070)	818919	50.0000	46
	18 2,2'-oxybis(1-Chloropropane)	45	8.253	8.253	(1.070)	1067048	50.0000	39
	20 4-Methylphenol	108	8.534	8.534	(1.106)	870608	50.0000	46
	19 N-Nitroso-di-n-propylamine	70	8.490	8.490	(1.101)	553303	50.0000	55
	21 Hexachloroethane	117	8.534	8.534	(1.106)	479640	50.0000	50
$	22 Nitrobenzene-d5	82	8.674	8.674	(0.883)	892527	50.0000	52
	23 Nitrobenzene	77	8.706	8.706	(0.887)	818113	50.0000	51
	24 Isophorone	82	9.128	9.128	(0.930)	1451131	50.0000	50
	25 2-Nitrophenol	139	9.225	9.225	(0.939)	525938	50.0000	54
	26 2,4-Dimethylphenol	107	9.376	9.376	(0.955)	975026	50.0000	55
	27 bis(2-Chloroethoxy)methane	93	9.527	9.527	(0.970)	897845	50.0000	46
	29 2,4-Dichlorophenol	162	9.646	9.646	(0.982)	786900	50.0000	49
	30 1,2,4-Trichlorobenzene	180	9.744	9.744	(0.992)	958732	50.0000	53
*	31 Naphthalene-d8	136	9.819	9.819	(1.000)	1682854	40.0000	
	32 Naphthalene	128	9.862	9.862	(1.004)	2271138	50.0000	54
	33 4-Chloroaniline	127	9.992	9.992	(1.018)	919031	50.0000	51
	34 Hexachlorobutadiene	225	10.089	10.089	(1.028)	605846	50.0000	55
	35 4-Chloro-3-Methylphenol	107	10.867	10.867	(1.107)	814707	50.0000	54
	36 2-Methylnaphthalene	142	10.997	10.997	(1.120)	1496543	50.0000	52
	38 Hexachlorocyclopentadiene	237	11.256	11.256	(0.888)	332807	50.0000	54
	39 2,4,6-Trichlorophenol	196	11.483	11.483	(0.906)	568547	50.0000	54
	40 2,4,5-Trichlorophenol	196	11.559	11.559	(0.912)	654825	50.0000	56
$	41 2-Fluorobiphenyl	172	11.623	11.623	(0.917)	1858837	50.0000	54
	42 2-Chloronaphthalene	162	11.785	11.785	(0.930)	1498182	50.0000	50

Data File: S1F6751.D
Report Date: 19-May-2008 11:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
43	2-Nitroaniline	65	11.991	11.991	(0.946)	464956	50.0000	51
44	Dimethylphthalate	163	12.347	12.347	(0.974)	1813501	50.0000	52
45	2,6-Dinitrotoluene	165	12.423	12.423	(0.980)	495136	50.0000	52
46	Acenaphthylene	152	12.444	12.444	(0.982)	2147527	50.0000	52
47	3-Nitroaniline	138	12.671	12.671	(1.000)	379644	50.0000	49
* 48	Acenaphthene-d10	164	12.671	12.671	(1.000)	983988	40.0000	
49	Acenaphthene	153	12.736	12.736	(1.005)	1424026	50.0000	54
50	2,4-Dinitrophenol	184	12.844	12.844	(1.014)	204478	50.0000	38
51	4-Nitrophenol	109	13.017	13.017	(1.027)	316497	50.0000	57
53	2,4-Dinitrotoluene	165	13.060	13.060	(1.031)	615377	50.0000	51
52	Dibenzofuran	168	13.017	13.017	(1.027)	2075413	50.0000	50
54	Diethylphthalate	149	13.492	13.492	(1.065)	1767141	50.0000	48
56	4-Chlorophenyl-phenylether	204	13.600	13.600	(1.073)	858684	50.0000	52
55	Fluorene	166	13.568	13.568	(1.071)	1597889	50.0000	48
57	4-Nitroaniline	138	13.665	13.665	(1.078)	355297	50.0000	53
58	4,6-Dinitro-2-methylphenol	198	13.708	13.708	(0.910)	335342	50.0000	42
59	N-Nitrosodiphenylamine	169	13.816	13.816	(0.917)	1358186	50.0000	50
$ 60	2,4,6-Tribromophenol	330	13.957	13.957	(0.926)	425736	50.0000	51
61	4-Bromophenyl-phenylether	248	14.389	14.389	(0.955)	526146	50.0000	50
62	Hexachlorobenzene	284	14.443	14.443	(0.958)	696272	50.0000	49
63	Pentachlorophenol	266	14.789	14.789	(0.981)	303252	50.0000	42
* 64	Phenanthrene-d10	188	15.070	15.070	(1.000)	1475809	40.0000	
65	Phenanthrene	178	15.102	15.102	(1.002)	2225779	50.0000	48
66	Anthracene	178	15.189	15.189	(1.008)	2200222	50.0000	48
67	Carbazole	167	15.480	15.480	(1.027)	1693926	50.0000	49
68	Di-n-butylphthalate	149	16.139	16.139	(1.071)	2778024	50.0000	45
69	Fluoranthene	202	17.025	17.025	(1.130)	2208321	50.0000	48
71	Pyrene	202	17.382	17.382	(0.898)	2168153	50.0000	56
$ 72	Terphenyl-d14	244	17.706	17.706	(0.915)	1642092	50.0000	56
73	Butylbenzylphthalate	149	18.559	18.559	(0.959)	1205944	50.0000	53
74	3,3'-Dichlorobenzidine	252	19.348	19.348	(1.000)	594267	50.0000	43
75	Benzo(a)anthracene	228	19.337	19.337	(0.999)	1937762	50.0000	51
* 76	Chrysene-d12	240	19.348	19.348	(1.000)	1363494	40.0000	
78	bis(2-Ethylhexyl)phthalate	149	19.532	19.532	(1.009)	1634019	50.0000	54
77	Chrysene	228	19.391	19.391	(1.002)	1813769	50.0000	55
79	Di-n-octylphthalate	149	20.547	20.547	(0.957)	2809494	50.0000	66
80	Benzo(b)fluoranthene	252	20.958	20.958	(0.976)	1669314	50.0000	52
81	Benzo(k)fluoranthene	252	21.001	21.001	(0.978)	1593160	50.0000	52
82	Benzo(a)pyrene	252	21.411	21.411	(0.997)	1454915	50.0000	52
* 83	Perylene-d12	264	21.476	21.476	(1.000)	937511	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	22.848	22.848	(1.064)	1003648	50.0000	32
85	Dibenzo(a,h)anthracene	278	22.881	22.881	(1.065)	865713	50.0000	31
86	Benzo(g,h,i)perylene	276	23.205	23.205	(1.080)	709471	50.0000	27

5/19/08
35

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6430.D

Date : 22-APR-2008 16:41

Client ID: DFTPP1N

Instrument: S1.i

Sample Info: DFTPP1N,DFTPP1N

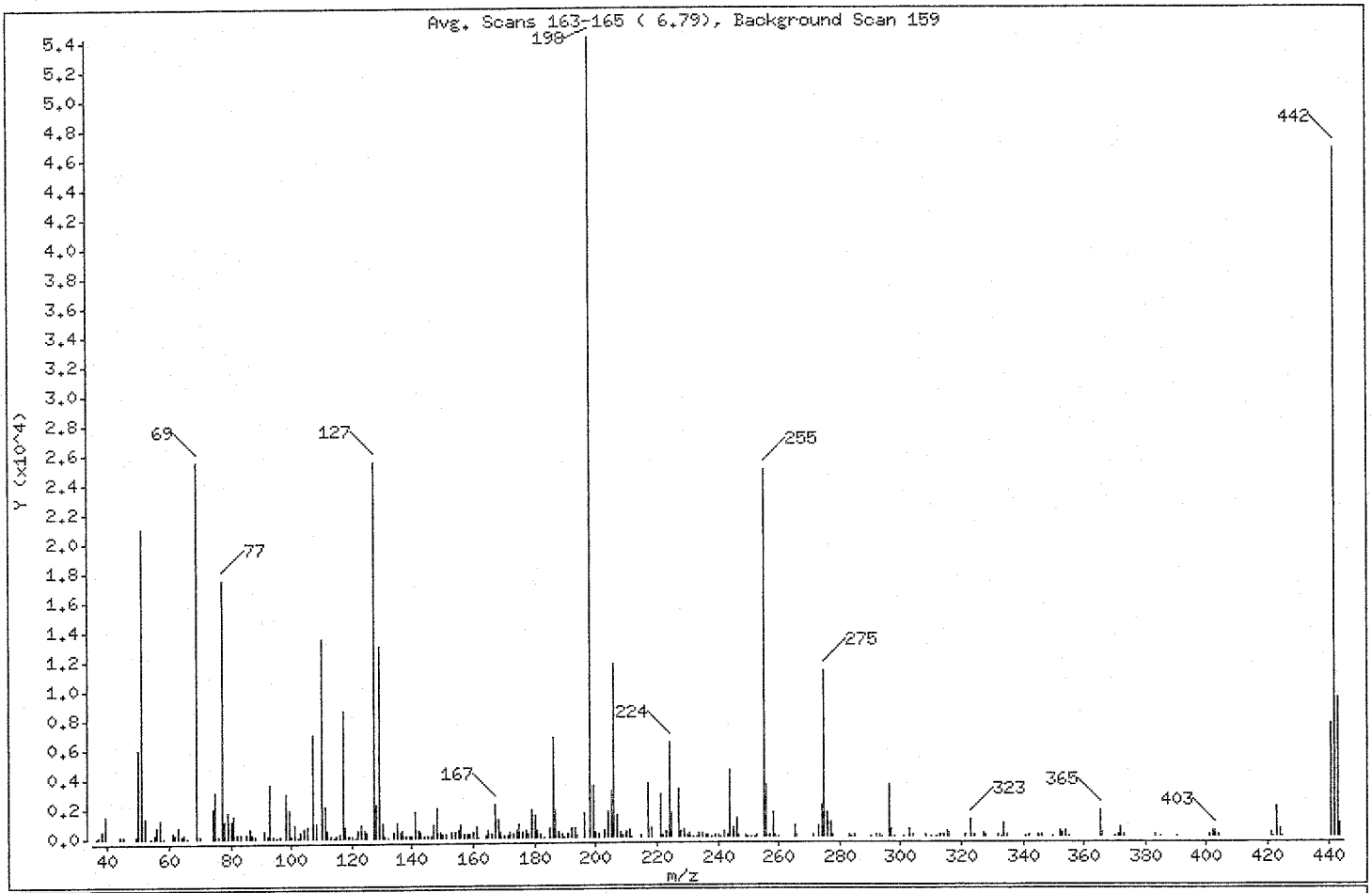
Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.66
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	47.00
70	Less than 2.00% of mass 69	0.17 (0.35)
127	40.00 - 60.00% of mass 198	46.95
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.45
275	10.00 - 30.00% of mass 198	20.70
365	Greater than 1.00% of mass 198	3.18
441	Present, but less than mass 443	13.97
442	40.00 - 99.99% of mass 198	86.02
443	17.00 - 23.00% of mass 442	17.23 (20.02)

Date : 22-APR-2008 16:41

Client ID: DFTPP1N Instrument: S1.i

Sample Info: DFTPP1N,DFTPP1N

Volume Injected (uL): 1.0 Operator: DK

Column phase: DB-5MS Column diameter: 0.25

Data File: S1F6430.D
Spectrum: Avg. Scans 163-165 (6.79), Background Scan 159
Location of Maximum: 198.00
Number of points: 257

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	35	122.00	539	192.00	675	277.00	1049
37.00	77	123.00	918	193.00	589	278.00	187
38.00	455	124.00	492	194.00	138	283.00	130
39.00	1546	125.00	406	196.00	1610	284.00	36
44.00	74	127.00	25448	198.00	54200	285.00	184
45.00	73	128.00	2189	199.00	3498	290.00	52
49.00	92	129.00	12942	200.00	325	292.00	93
50.00	6017	130.00	1047	201.00	275	293.00	114
51.00	20952	131.00	123	203.00	509	294.00	40
52.00	1345	132.00	58	204.00	1788	296.00	3516
54.00	36	134.00	333	205.00	3165	297.00	538
55.00	274	135.00	1036	206.00	11784	298.00	37
56.00	772	136.00	367	207.00	1554	301.00	37
57.00	1286	137.00	552	208.00	395	303.00	466
58.00	36	138.00	136	209.00	119	304.00	114
61.00	357	139.00	82	210.00	382	308.00	106
62.00	308	140.00	103	211.00	535	310.00	38
63.00	763	141.00	1688	212.00	55	312.00	44
64.00	78	142.00	524	215.00	143	313.00	67
65.00	287	143.00	420	217.00	3636	314.00	167
66.00	45	144.00	139	218.00	622	315.00	348
69.00	25472	145.00	79	221.00	2881	316.00	195
70.00	90	146.00	172	222.00	104	321.00	74
74.00	2006	147.00	829	223.00	391	323.00	1166
75.00	3170	148.00	2046	224.00	6337	324.00	175
76.00	181	149.00	355	225.00	1680	327.00	257
77.00	17456	150.00	219	227.00	3195	328.00	66
78.00	1172	151.00	267	228.00	379	332.00	81
79.00	1730	153.00	365	229.00	559	333.00	56
80.00	1118	154.00	362	230.00	142	334.00	868
81.00	1479	155.00	558	231.00	225	335.00	131
82.00	272	156.00	896	232.00	42	341.00	61
83.00	287	157.00	253	233.00	52	342.00	79
85.00	285	158.00	297	234.00	218	345.00	64
86.00	618	159.00	274	235.00	194	346.00	185

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6430.D

Date : 22-APR-2008 16:41

Client ID: DFTPP1N

Instrument: S1.i

Sample Info: DFTPP1N,DFTPP1N

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F6430.D
Spectrum: Avg. Scans 163-165 (6.79), Background Scan 159
Location of Maximum: 198.00
Number of points: 257

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	193	160.00	338	236.00	128	350.00	42
88.00	86	161.00	706	237.00	177	352.00	342
91.00	453	162.00	59	238.00	43	353.00	249
92.00	73	164.00	96	239.00	144	354.00	400
93.00	3682	165.00	504	240.00	118	355.00	40
94.00	77	166.00	248	241.00	57	365.00	1724
95.00	40	167.00	2287	242.00	313	366.00	207
96.00	72	168.00	1234	243.00	65	370.00	34
98.00	2954	169.00	313	244.00	4474	371.00	151
99.00	1895	170.00	152	245.00	662	372.00	613
100.00	94	171.00	109	246.00	1192	373.00	174
101.00	887	172.00	371	247.00	145	383.00	126
102.00	41	173.00	249	249.00	180	385.00	36
103.00	352	174.00	451	250.00	34	390.00	48
104.00	607	175.00	909	251.00	38	401.00	84
105.00	750	176.00	361	252.00	36	402.00	316
107.00	6945	177.00	555	253.00	92	403.00	387
108.00	967	178.00	203	255.00	24864	404.00	171
110.00	13471	179.00	1924	256.00	3440	421.00	218
111.00	2172	180.00	1501	257.00	94	422.00	53
112.00	469	181.00	544	258.00	1571	423.00	2004
113.00	88	182.00	203	259.00	149	424.00	504
114.00	37	183.00	45	260.00	39	425.00	38
115.00	92	185.00	663	265.00	716	441.00	7573
116.00	192	186.00	6701	266.00	178	442.00	46624
117.00	8633	187.00	1819	271.00	77	443.00	9336
118.00	699	188.00	368	273.00	778	444.00	826
119.00	77	189.00	304	274.00	2174		
120.00	154	190.00	39	275.00	11220		
121.00	55	191.00	249	276.00	1575		

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080422.B\S1F6430.D

Date : 22-APR-2008 16:41

Client ID: DFTPP1N

Instrument: S1.i

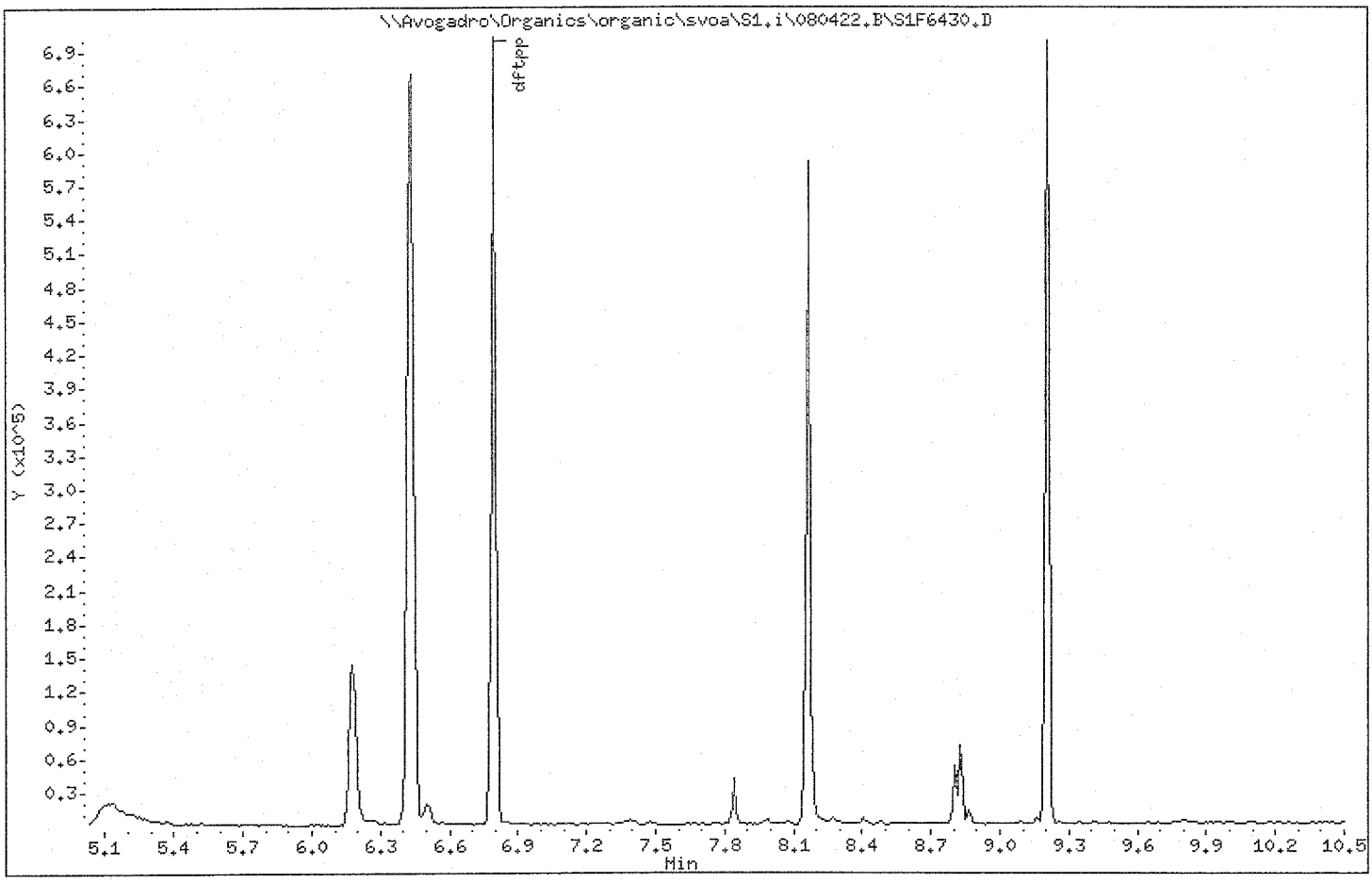
Sample Info: DFTPP1N,DFTPP1N

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6560.D

Date : 02-MAY-2008 14:18

Client ID: DFTPP1U

Instrument: S1.i

Sample Info: DFTPP1U,DFTPP1U

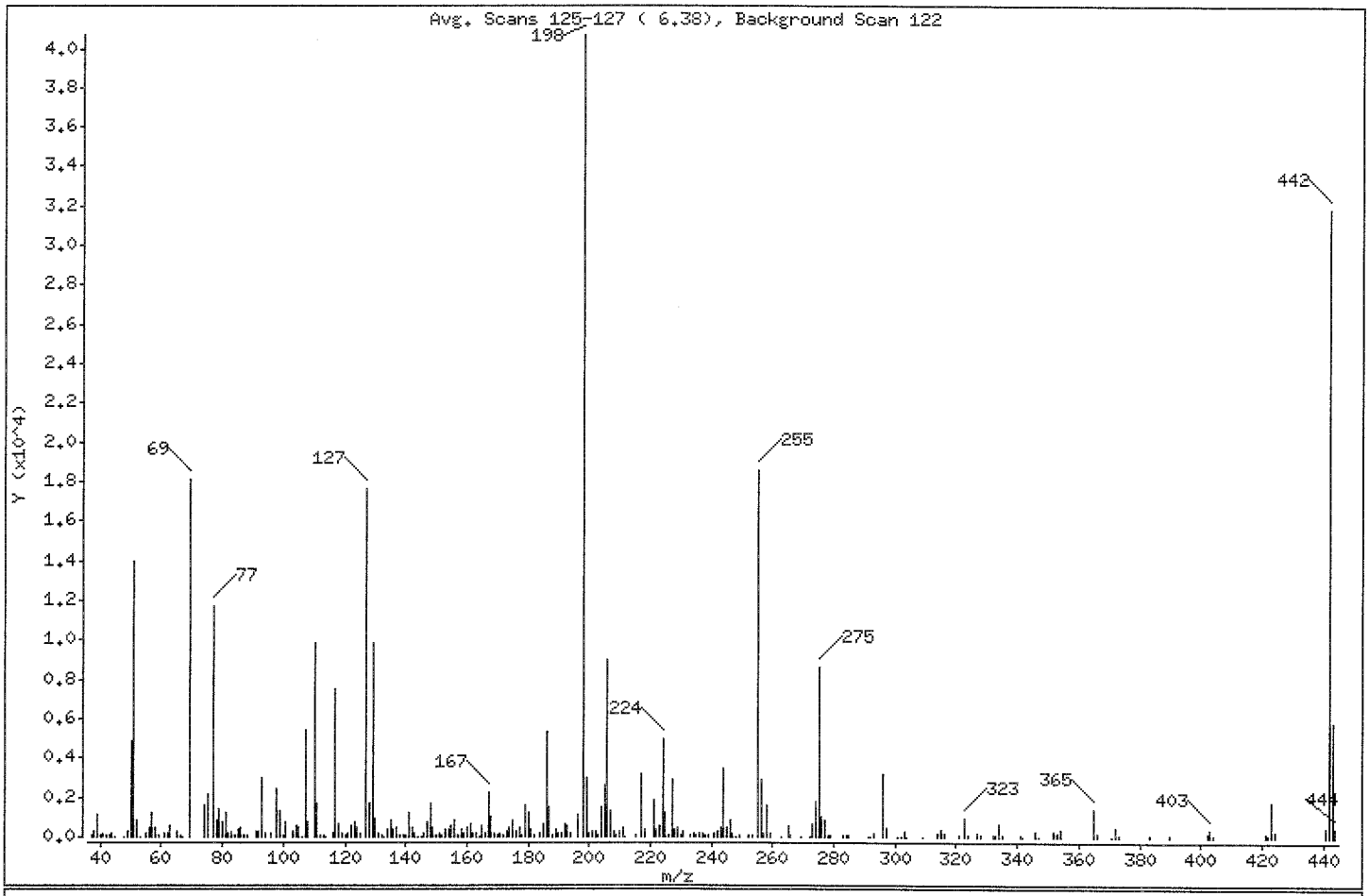
Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.39
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	44.56
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	43.32
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.28
275	10.00 - 30.00% of mass 198	21.30
365	Greater than 1.00% of mass 198	3.42
441	Present, but less than mass 443	1.07
442	40.00 - 99.99% of mass 198	78.38
443	17.00 - 23.00% of mass 442	14.18 (18.09)

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6560.D

Date : 02-MAY-2008 14:18

Client ID: DFTPP1U

Instrument: S1.i

Sample Info: DFTPP1U,DFTPP1U

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F6560.D
Spectrum: Avg. Scans 125-127 (6.38), Background Scan 122
Location of Maximum: 198.00
Number of points: 253

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	75	119.00	195	185.00	701	265.00	524
38.00	301	120.00	130	186.00	5321	266.00	118
39.00	1170	121.00	202	187.00	1488	269.00	36
40.00	49	122.00	544	188.00	56	272.00	44
41.00	223	123.00	782	189.00	394	273.00	656
42.00	55	124.00	499	190.00	203	274.00	1767
43.00	76	125.00	222	191.00	185	275.00	8671
44.00	182	127.00	17632	192.00	619	276.00	1058
45.00	41	128.00	1701	193.00	608	277.00	880
48.00	42	129.00	9878	194.00	231	278.00	124
49.00	265	130.00	952	196.00	1097	279.00	47
50.00	4866	131.00	195	198.00	40704	283.00	93
51.00	13997	132.00	135	199.00	2963	284.00	70
52.00	886	133.00	37	200.00	149	285.00	77
53.00	34	134.00	381	201.00	268	291.00	35
55.00	194	135.00	858	202.00	243	292.00	46
56.00	468	136.00	375	203.00	126	293.00	184
57.00	1210	137.00	480	204.00	1505	296.00	3166
58.00	458	138.00	83	205.00	2612	297.00	499
59.00	55	139.00	71	206.00	9025	301.00	38
61.00	183	140.00	92	207.00	1351	302.00	40
62.00	189	141.00	1206	208.00	306	303.00	279
63.00	591	142.00	431	209.00	112	304.00	38
65.00	250	143.00	208	210.00	286	309.00	36
66.00	82	144.00	42	211.00	458	314.00	170
67.00	16	145.00	41	212.00	40	315.00	333
69.00	18136	146.00	185	215.00	131	316.00	143
74.00	1585	147.00	748	217.00	3147	321.00	66
75.00	2167	148.00	1673	218.00	367	323.00	904
77.00	11688	149.00	489	221.00	1843	324.00	128
78.00	859	150.00	100	222.00	422	327.00	168
79.00	1421	151.00	225	223.00	524	328.00	51
80.00	756	152.00	119	224.00	4992	332.00	81
81.00	1177	153.00	399	225.00	1242	333.00	129
82.00	181	154.00	362	226.00	89	334.00	637

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6560.D

Date : 02-MAY-2008 14:18

Client ID: DFTPP1U

Instrument: S1.i

Sample Info: DFTPP1U,DFTPP1U

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F6560.D
Spectrum: Avg. Scans 125-127 (6.38), Background Scan 122
Location of Maximum: 198.00
Number of points: 253

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	283	155.00	519	227.00	2922	335.00	133
84.00	49	156.00	861	228.00	333	341.00	102
85.00	344	157.00	134	229.00	507	342.00	34
86.00	446	158.00	340	230.00	68	346.00	248
87.00	117	159.00	160	231.00	237	347.00	38
88.00	76	160.00	439	233.00	113	352.00	296
91.00	282	161.00	626	234.00	221	353.00	208
92.00	244	162.00	150	235.00	74	354.00	333
93.00	3016	163.00	164	236.00	199	365.00	1391
94.00	207	164.00	26	237.00	209	366.00	161
96.00	201	165.00	532	238.00	48	371.00	42
98.00	2475	166.00	142	239.00	115	372.00	511
99.00	1296	167.00	2263	241.00	208	373.00	72
100.00	52	168.00	987	242.00	291	383.00	139
101.00	778	169.00	160	243.00	448	390.00	55
103.00	238	170.00	48	244.00	3500	402.00	153
104.00	580	171.00	185	245.00	469	403.00	365
105.00	446	172.00	78	246.00	823	404.00	128
106.00	46	173.00	305	247.00	165	421.00	221
107.00	5417	174.00	498	248.00	37	422.00	104
108.00	718	175.00	810	249.00	80	423.00	1757
110.00	9805	176.00	272	252.00	72	424.00	309
111.00	1709	177.00	425	253.00	57	441.00	437
112.00	113	178.00	75	255.00	18560	442.00	31904
113.00	112	179.00	1630	256.00	2940	443.00	5772
114.00	43	180.00	1199	257.00	182	444.00	506
116.00	194	181.00	410	258.00	1588		
117.00	7507	182.00	76	259.00	224		
118.00	650	184.00	151	263.00	35		

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6560.D

Date : 02-MAY-2008 14:18

Client ID: DFTPP1U

Instrument: S1.i

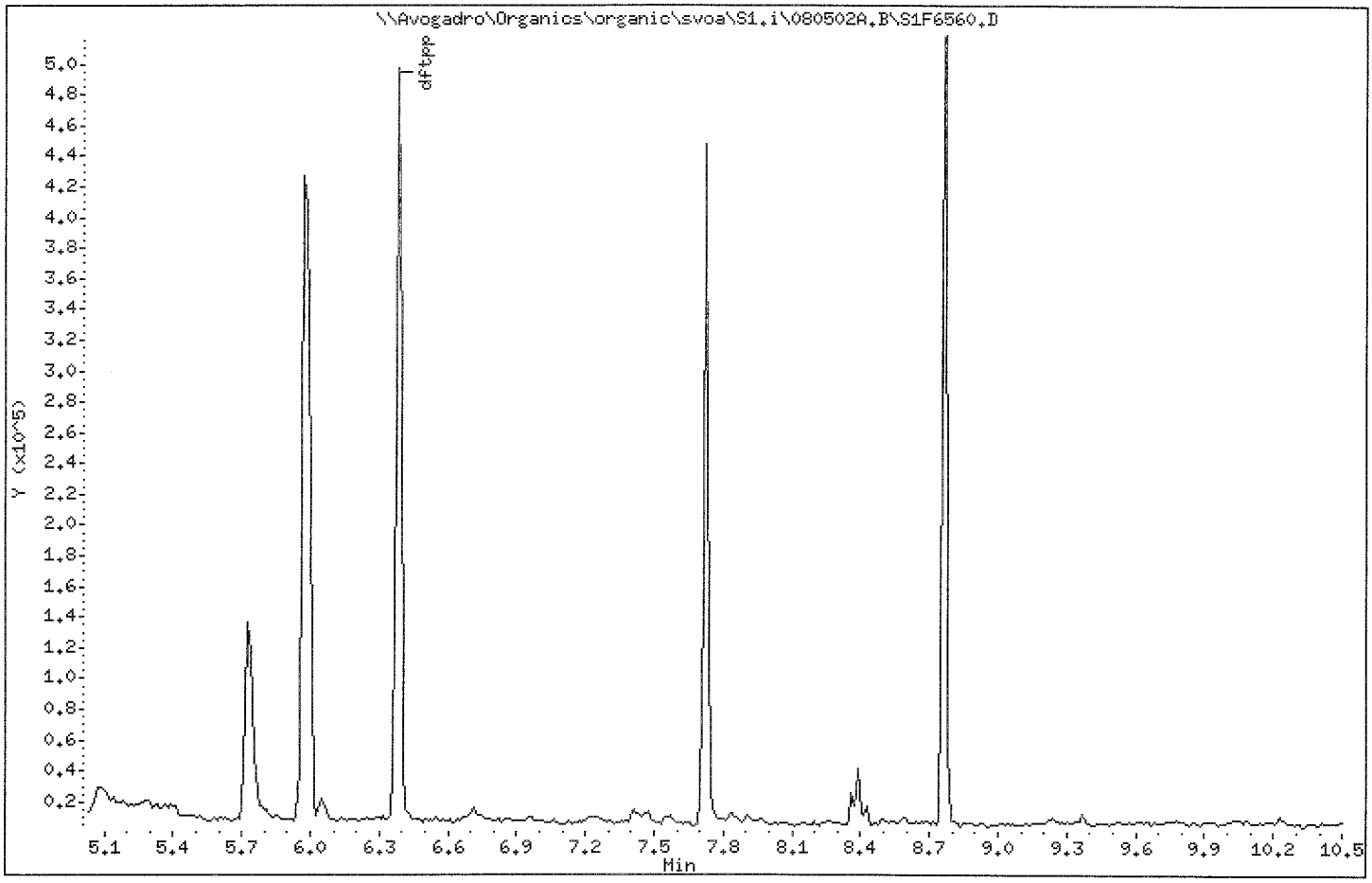
Sample Info: DFTPP1U,DFTPP1U

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6640.D

Date : 08-MAY-2008 12:43

Client ID: DFTPP1Z

Instrument: S1.i

Sample Info: DFTPP1Z,DFTPP1Z

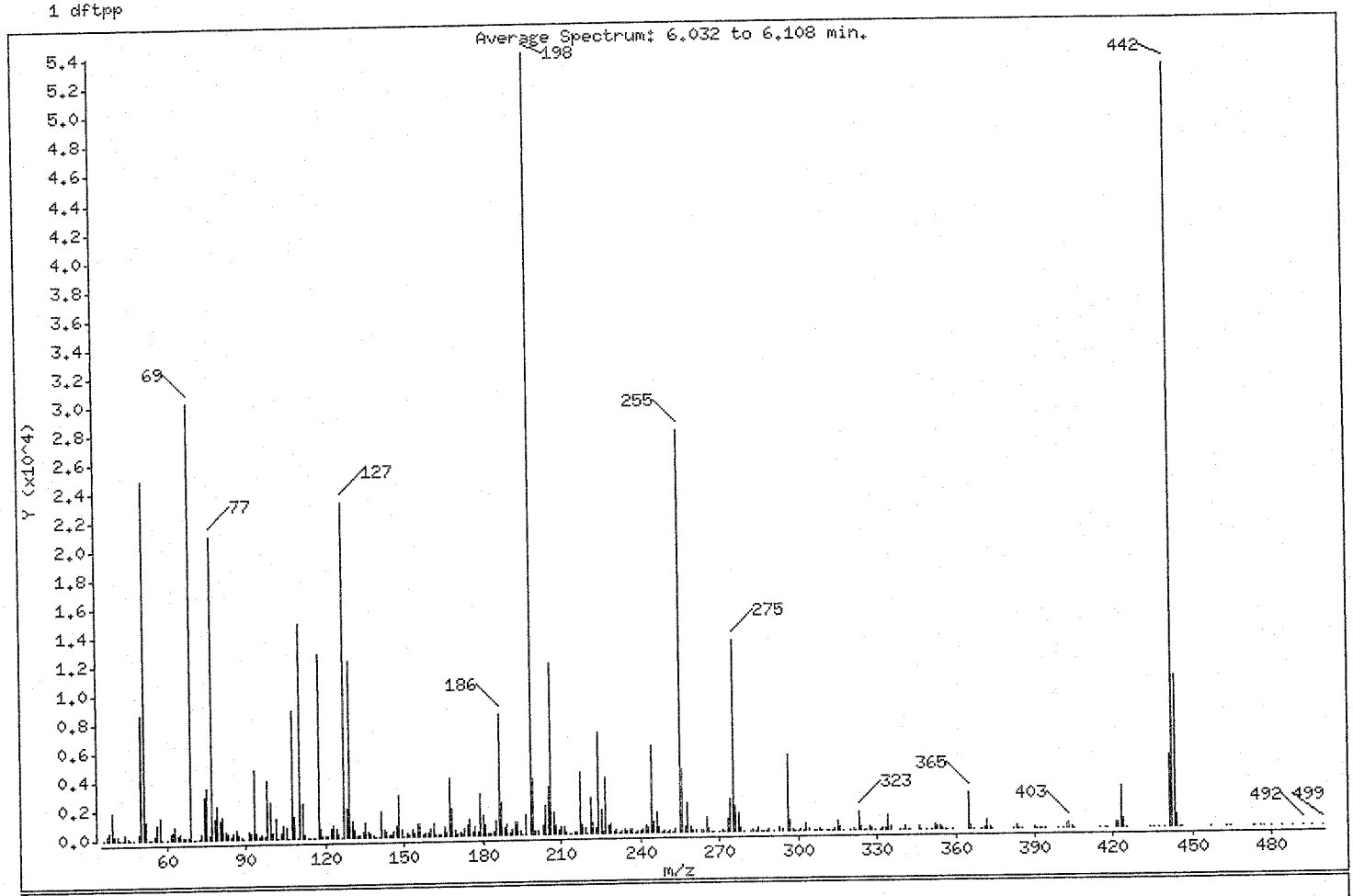
Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.87
68	Less than 2.00% of mass 69	0.18 (0.31)
69	Mass 69 relative abundance	55.73
70	Less than 2.00% of mass 69	0.08 (0.15)
127	40.00 - 60.00% of mass 198	42.75
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.14
275	10.00 - 30.00% of mass 198	24.49
365	Greater than 1.00% of mass 198	4.55
441	Present, but less than mass 443	9.10
442	40.00 - 99.99% of mass 198	97.79
443	17.00 - 23.00% of mass 442	19.34 (19.78)

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6640.D

Date : 08-MAY-2008 12:43

Client ID: DFTPP1Z

Instrument: S1.i

Sample Info: DFTPP1Z,DFTPP1Z

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F6640.D

Spectrum: Average Spectrum: 6.032 to 6.108 min.

Location of Maximum: 198.00

Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	44	128.00	2040	219.00	367	320.00	16
37.00	254	129.00	12203	220.00	36	321.00	167
38.00	506	130.00	1165	221.00	2511	322.00	17
39.00	1924	131.00	482	222.00	711	323.00	1232
40.00	218	132.00	134	223.00	416	324.00	293
41.00	204	133.00	146	224.00	6933	325.00	32
42.00	53	134.00	364	225.00	1642	326.00	19
43.00	55	135.00	1061	226.00	107	327.00	276
44.00	327	136.00	380	227.00	3812	328.00	128
45.00	84	137.00	297	228.00	471	329.00	20
46.00	33	138.00	83	229.00	663	331.00	14
47.00	15	139.00	23	230.00	148	332.00	85
49.00	426	140.00	22	231.00	231	333.00	148
50.00	8586	141.00	1792	232.00	49	334.00	1028
51.00	24848	142.00	486	233.00	125	335.00	234
52.00	1247	143.00	343	234.00	306	339.00	16
53.00	43	144.00	104	235.00	183	340.00	58
54.00	62	145.00	149	236.00	188	341.00	191
55.00	208	146.00	342	237.00	207	342.00	37
56.00	976	147.00	763	238.00	46	343.00	13
57.00	1539	148.00	2826	239.00	174	346.00	271
58.00	34	149.00	485	240.00	178	347.00	34
60.00	17	150.00	53	241.00	207	349.00	28
61.00	353	151.00	226	242.00	513	351.00	15
62.00	487	152.00	139	243.00	415	352.00	435
63.00	864	153.00	516	244.00	6001	353.00	246
64.00	234	154.00	306	245.00	789	354.00	310
65.00	316	155.00	925	246.00	1368	355.00	75
66.00	118	156.00	915	247.00	338	356.00	45
67.00	70	157.00	157	248.00	30	357.00	28
68.00	95	158.00	256	249.00	185	359.00	39
69.00	30192	159.00	237	250.00	50	365.00	2464
70.00	45	160.00	484	251.00	70	366.00	198
71.00	30	161.00	849	252.00	15	367.00	18
72.00	14	162.00	160	253.00	206	370.00	33

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6640.D

Date : 08-MAY-2008 12:43

Client ID: DFTPP1Z

Instrument: S1.i

Sample Info: DFTPP1Z,DFTPP1Z

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F6640.D

Spectrum: Average Spectrum: 6.032 to 6.108 min.

Location of Maximum: 198.00

Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	337	163.00	81	255.00	27840	371.00	126
74.00	2845	164.00	116	256.00	4352	372.00	663
75.00	3471	165.00	598	257.00	339	373.00	180
76.00	208	166.00	270	258.00	2053	374.00	27
77.00	21032	167.00	3949	259.00	415	382.00	18
78.00	1353	168.00	1920	260.00	65	383.00	193
79.00	2214	169.00	377	261.00	73	384.00	39
80.00	1290	170.00	118	263.00	75	385.00	18
81.00	1530	171.00	219	264.00	125	390.00	176
82.00	519	172.00	177	265.00	1030	391.00	35
83.00	435	173.00	444	266.00	282	392.00	29
84.00	71	174.00	767	267.00	36	393.00	16
85.00	376	175.00	1161	268.00	24	394.00	35
86.00	661	176.00	280	270.00	32	399.00	15
87.00	239	177.00	613	271.00	143	401.00	42
88.00	113	178.00	250	272.00	28	402.00	248
89.00	50	179.00	2868	273.00	881	403.00	393
91.00	536	180.00	1316	274.00	2291	404.00	108
92.00	320	181.00	701	275.00	13270	405.00	16
93.00	4767	182.00	146	276.00	1761	415.00	45
94.00	321	183.00	99	277.00	1305	417.00	13
95.00	78	184.00	268	278.00	214	418.00	12
96.00	218	185.00	953	279.00	62	421.00	369
97.00	83	186.00	8316	282.00	31	422.00	414
98.00	4031	187.00	2263	283.00	121	423.00	2837
99.00	2441	188.00	540	284.00	39	424.00	566
100.00	415	189.00	697	285.00	191	425.00	12
101.00	1324	190.00	93	286.00	52	434.00	13
102.00	20	191.00	323	287.00	16	435.00	13
103.00	395	192.00	893	288.00	20	437.00	17
104.00	839	193.00	871	289.00	65	439.00	16
105.00	777	194.00	287	291.00	33	441.00	4931
106.00	18	195.00	18	293.00	311	442.00	52976
107.00	8827	196.00	1363	294.00	90	443.00	10479
108.00	1534	198.00	54176	296.00	5228	444.00	887

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6640.D

Date : 08-MAY-2008 12:43

Client ID: DFTPP1Z

Instrument: S1.i

Sample Info: DFTPP1Z,DFTPP1Z

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F6640.D
Spectrum: Average Spectrum: 6.032 to 6.108 min.
Location of Maximum: 198.00
Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	33	199.00	3870	297.00	765	445.00	18
110.00	14803	200.00	296	298.00	96	446.00	14
111.00	2329	201.00	221	299.00	19	457.00	12
112.00	217	203.00	643	300.00	15	463.00	26
113.00	48	204.00	1996	301.00	79	464.00	17
114.00	34	205.00	3228	302.00	44	473.00	13
115.00	49	206.00	11906	303.00	521	474.00	13
116.00	14	207.00	1467	304.00	63	476.00	29
117.00	12693	208.00	642	306.00	39	477.00	14
118.00	683	209.00	256	307.00	41	480.00	13
119.00	133	210.00	448	308.00	91	484.00	13
120.00	63	211.00	530	309.00	52	488.00	13
121.00	71	212.00	99	311.00	17	492.00	40
122.00	625	213.00	26	312.00	19	495.00	22
123.00	874	214.00	25	313.00	37	499.00	17
124.00	594	215.00	115	314.00	163		
125.00	277	216.00	168	315.00	594		
126.00	62	217.00	4211	316.00	221		
127.00	23160	218.00	586	317.00	38		

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080508A.B\S1F6640.D

Date : 08-MAY-2008 12:43

Client ID: DFTPP1Z

Instrument: S1.i

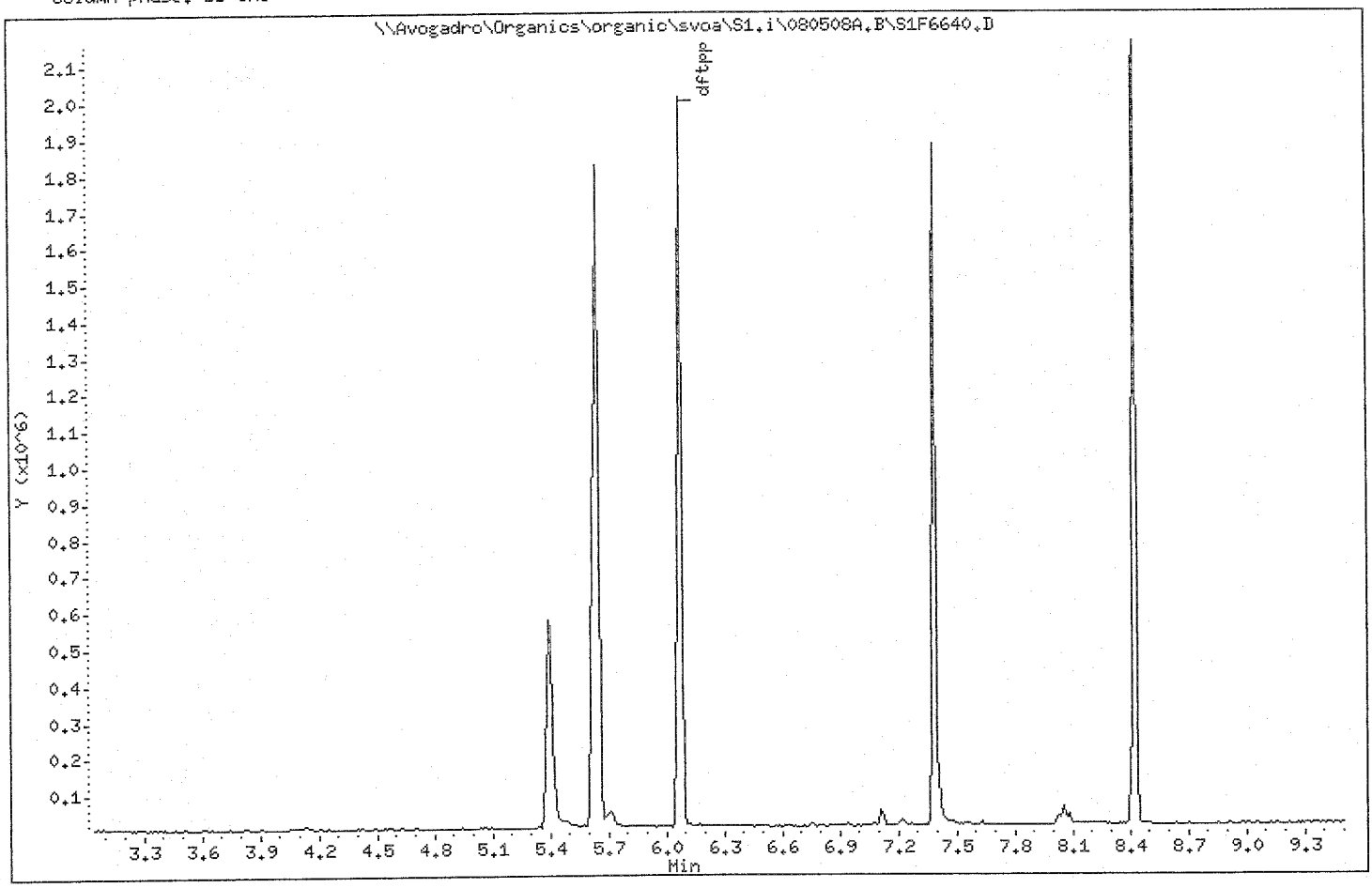
Sample Info: DFTPP1Z,DFTPP1Z

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\svoa\S1.i\080513.B\S1F6750.D

Date : 13-MAY-2008 09:33

Client ID: DFTPP1E

Instrument: S1.i

Sample Info: DFTPP1E,DFTPP1E

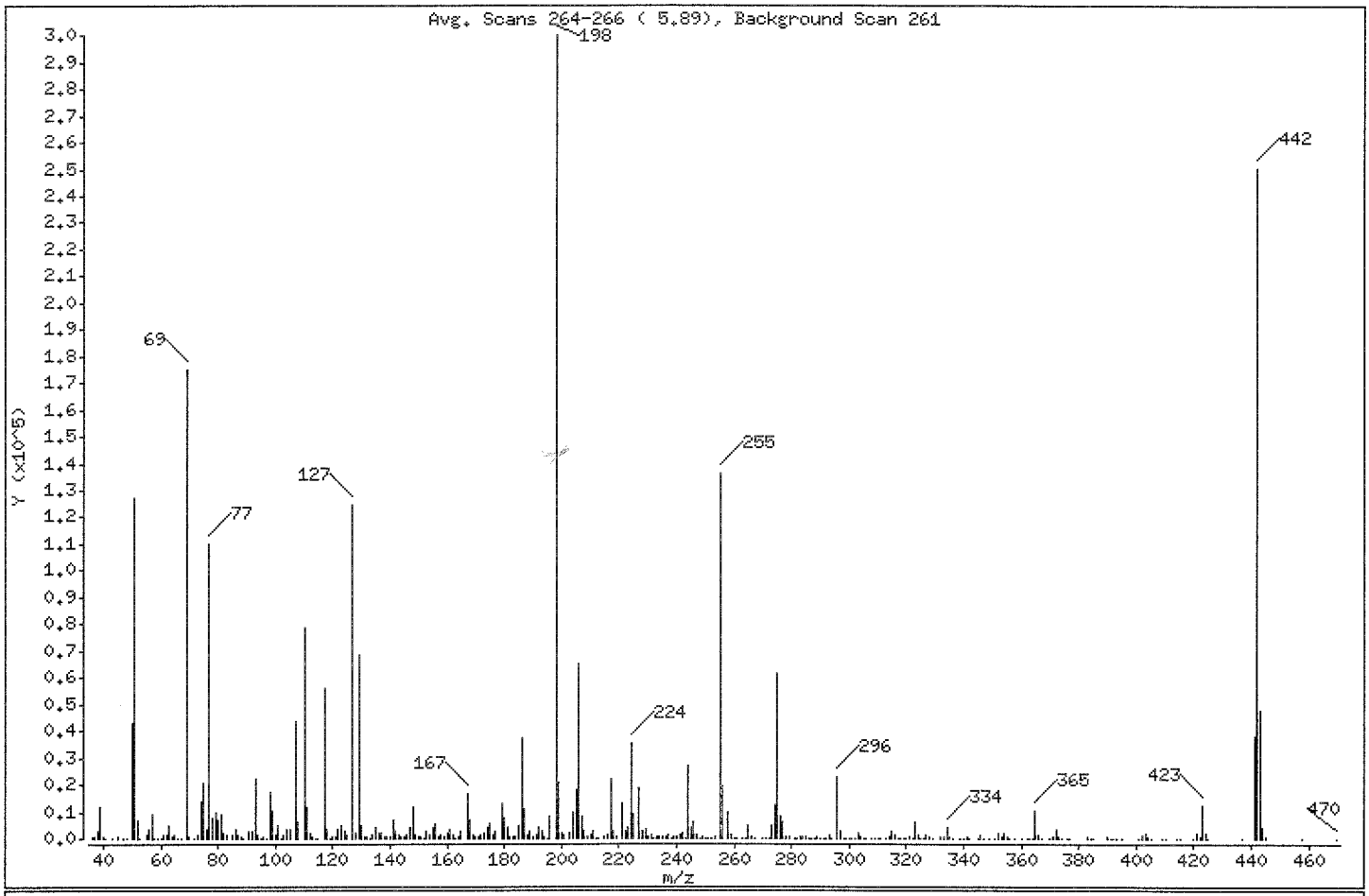
Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.44
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	58.32
70	Less than 2.00% of mass 69	0.20 (0.35)
127	40.00 - 60.00% of mass 198	41.58
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.84
275	10.00 - 30.00% of mass 198	20.45
365	Greater than 1.00% of mass 198	3.43
441	Present, but less than mass 443	12.66
442	40.00 - 99.99% of mass 198	83.35
443	17.00 - 23.00% of mass 442	15.88 (19.05)

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080513.B\S1F6750.D

Date : 13-MAY-2008 09:33

Client ID: DFTPP1E

Instrument: S1.i

Sample Info: DFTPP1E,DFTPP1E

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F6750.D
Spectrum: Avg. Scans 264-266 (5.89), Background Scan 261
Location of Maximum: 198.00
Number of points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	435	132.00	594	221.00	13328	314.00	936
37.00	904	133.00	46	222.00	2893	315.00	2624
38.00	2735	134.00	1590	223.00	4482	316.00	1323
39.00	11814	135.00	4199	224.00	35416	317.00	172
40.00	505	136.00	1776	225.00	8945	318.00	112
41.00	136	137.00	1896	227.00	18376	319.00	42
43.00	237	138.00	539	228.00	2888	320.00	55
45.00	352	139.00	404	229.00	3184	321.00	648
47.00	9	140.00	546	230.00	370	322.00	179
48.00	169	141.00	7028	231.00	1359	323.00	6506
50.00	43016	142.00	2586	232.00	196	324.00	1121
51.00	127400	143.00	1705	233.00	351	325.00	75
52.00	6737	144.00	362	234.00	944	326.00	99
53.00	232	145.00	432	235.00	1025	327.00	1242
55.00	1225	146.00	1640	236.00	777	328.00	647
56.00	3687	147.00	3822	237.00	1042	329.00	148
57.00	9192	148.00	11481	238.00	119	332.00	709
58.00	332	149.00	1483	239.00	704	333.00	627
59.00	81	150.00	478	240.00	542	334.00	4269
60.00	223	151.00	874	241.00	1226	335.00	918
61.00	1689	152.00	317	242.00	1752	336.00	147
62.00	1639	153.00	2554	243.00	317	339.00	102
63.00	4943	154.00	1638	244.00	26776	340.00	95
64.00	384	155.00	3969	245.00	4326	341.00	749
65.00	1448	156.00	5798	246.00	6152	342.00	173
66.00	244	157.00	929	247.00	1268	345.00	42
67.00	190	158.00	1148	248.00	294	346.00	1547
69.00	175040	159.00	740	249.00	898	347.00	309
70.00	608	160.00	2129	250.00	335	349.00	33
72.00	161	161.00	3353	251.00	328	351.00	103
73.00	1098	162.00	1131	252.00	333	352.00	1982
74.00	14106	163.00	249	253.00	820	353.00	968
75.00	20648	164.00	389	255.00	136384	354.00	1961
76.00	3517	165.00	2630	256.00	19656	355.00	366
77.00	110248	167.00	16309	258.00	9793	356.00	37

Date : 13-MAY-2008 09:33

Client ID: DFTPP1E Instrument: S1.i

Sample Info: DFTPP1E,DFTPP1E

Volume Injected (uL): 1.0 Operator: DK

Column phase: DB-5MS Column diameter: 0.25

Data File: S1F6750.D
Spectrum: Avg. Scans 264-266 (5.89), Background Scan 261
Location of Maximum: 198.00
Number of points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	7879	168.00	6995	259.00	1647	358.00	69
79.00	9927	169.00	1205	260.00	314	360.00	40
80.00	6744	170.00	494	261.00	268	362.00	52
81.00	9253	171.00	441	263.00	126	363.00	36
82.00	2319	172.00	1359	264.00	136	364.00	59
83.00	1459	173.00	1771	265.00	4601	365.00	10299
85.00	1543	174.00	3815	266.00	628	366.00	1390
86.00	3113	175.00	5305	267.00	64	367.00	178
87.00	1554	176.00	1582	270.00	155	370.00	311
88.00	614	177.00	2840	271.00	202	371.00	463
89.00	167	179.00	13106	272.00	69	372.00	3239
91.00	2635	180.00	7314	273.00	5080	373.00	942
92.00	2986	181.00	4329	274.00	12309	374.00	97
93.00	21904	182.00	827	275.00	61368	376.00	60
94.00	1294	183.00	365	276.00	8102	377.00	104
95.00	164	184.00	372	277.00	5908	383.00	795
96.00	806	185.00	5061	278.00	745	384.00	343
97.00	183	186.00	37400	279.00	374	385.00	66
98.00	16952	187.00	11357	281.00	71	390.00	482
99.00	10092	188.00	1303	282.00	239	391.00	268
100.00	1302	189.00	2932	283.00	457	392.00	244
101.00	4741	190.00	423	284.00	372	393.00	59
102.00	307	191.00	1249	285.00	878	395.00	51
103.00	1605	192.00	4221	286.00	261	401.00	122
104.00	3534	193.00	2999	287.00	109	402.00	1625
105.00	3671	194.00	913	288.00	91	403.00	1919
107.00	43624	195.00	144	289.00	358	404.00	654
108.00	6425	196.00	7995	290.00	149	405.00	65
110.00	78704	198.00	300160	291.00	113	409.00	45
111.00	11933	199.00	20544	292.00	40	410.00	92
112.00	1744	200.00	1957	293.00	1487	414.00	54
113.00	563	201.00	1681	294.00	47	415.00	81
114.00	144	203.00	2388	296.00	22648	420.00	140
115.00	161	204.00	9969	297.00	2999	421.00	1875
117.00	55720	205.00	17792	298.00	235	422.00	728

Date : 13-MAY-2008 09:33

Client ID: DFTPP1E Instrument: S1.i

Sample Info: DFTPP1E,DFTPP1E

Volume Injected (uL): 1.0 Operator: DK

Column phase: DB-5MS Column diameter: 0.25

Data File: S1F6750.D
Spectrum: Avg. Scans 264-266 (5.89), Background Scan 261
Location of Maximum: 198.00
Number of points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	3548	206.00	64784	299.00	40	423.00	12424
119.00	158	207.00	8421	300.00	42	424.00	2093
120.00	595	208.00	2993	301.00	291	425.00	278
121.00	464	209.00	770	302.00	238	437.00	40
122.00	3777	210.00	1110	303.00	2050	441.00	38008
123.00	4990	211.00	2829	304.00	515	442.00	250176
124.00	2754	212.00	33	305.00	37	443.00	47656
125.00	1632	213.00	321	306.00	37	444.00	4021
127.00	124808	215.00	933	308.00	220	445.00	405
128.00	2145	216.00	1163	309.00	324	458.00	58
129.00	68392	217.00	21816	310.00	159	470.00	35
130.00	5029	218.00	2564	311.00	61		
131.00	947	219.00	403	313.00	88		

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080513.B\S1F6750.D

Date : 13-MAY-2008 09:33

Client ID: DFTPP1E

Instrument: S1.i

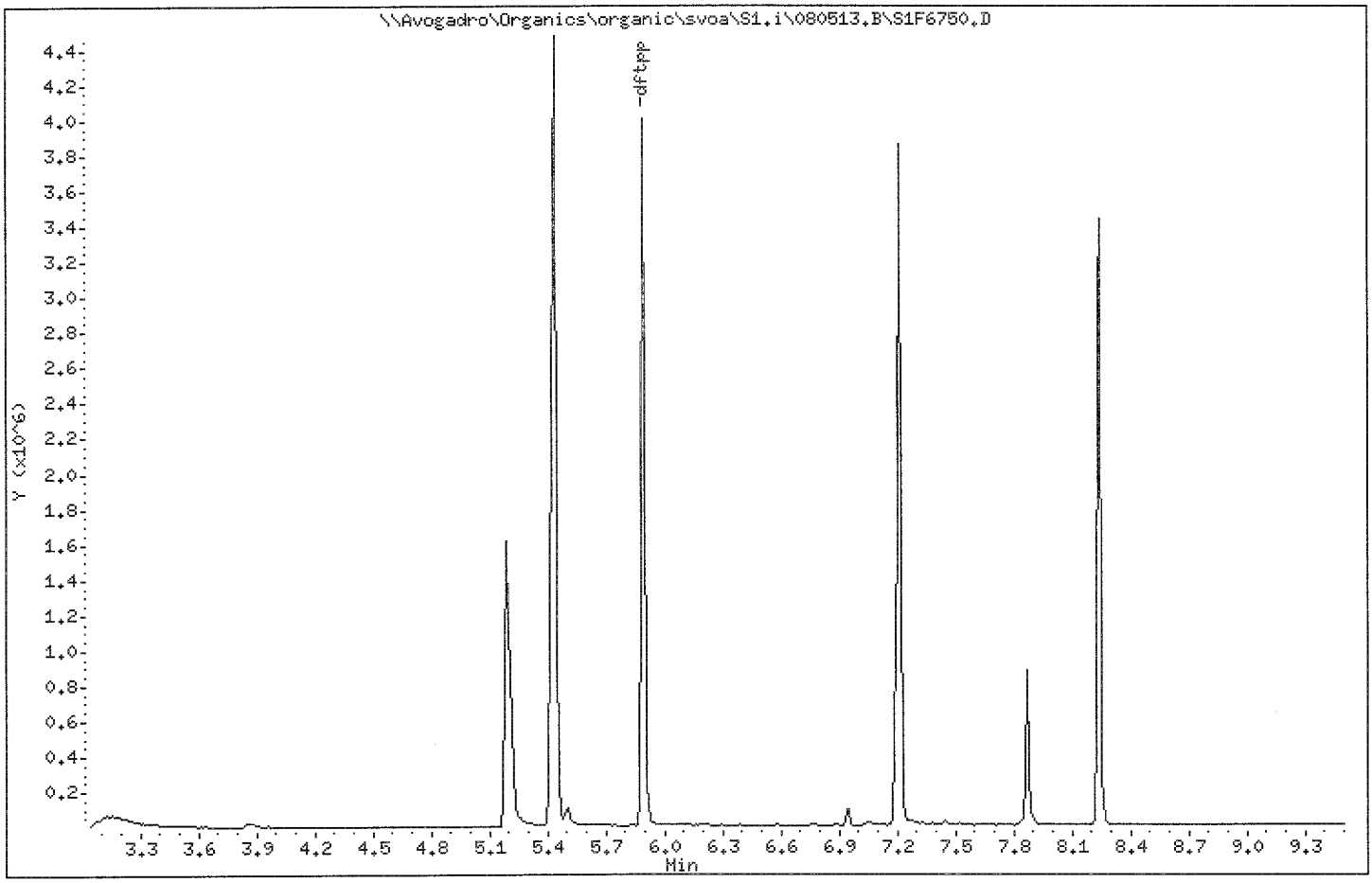
Sample Info: DFTPP1E,DFTPP1E

Volume Injected (uL): 1.0

Operator: DK

Column phase: DB-5MS

Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1U

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6562.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2´-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U

SW846

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1U

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6562.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3´-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

SW846

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1U

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6562.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

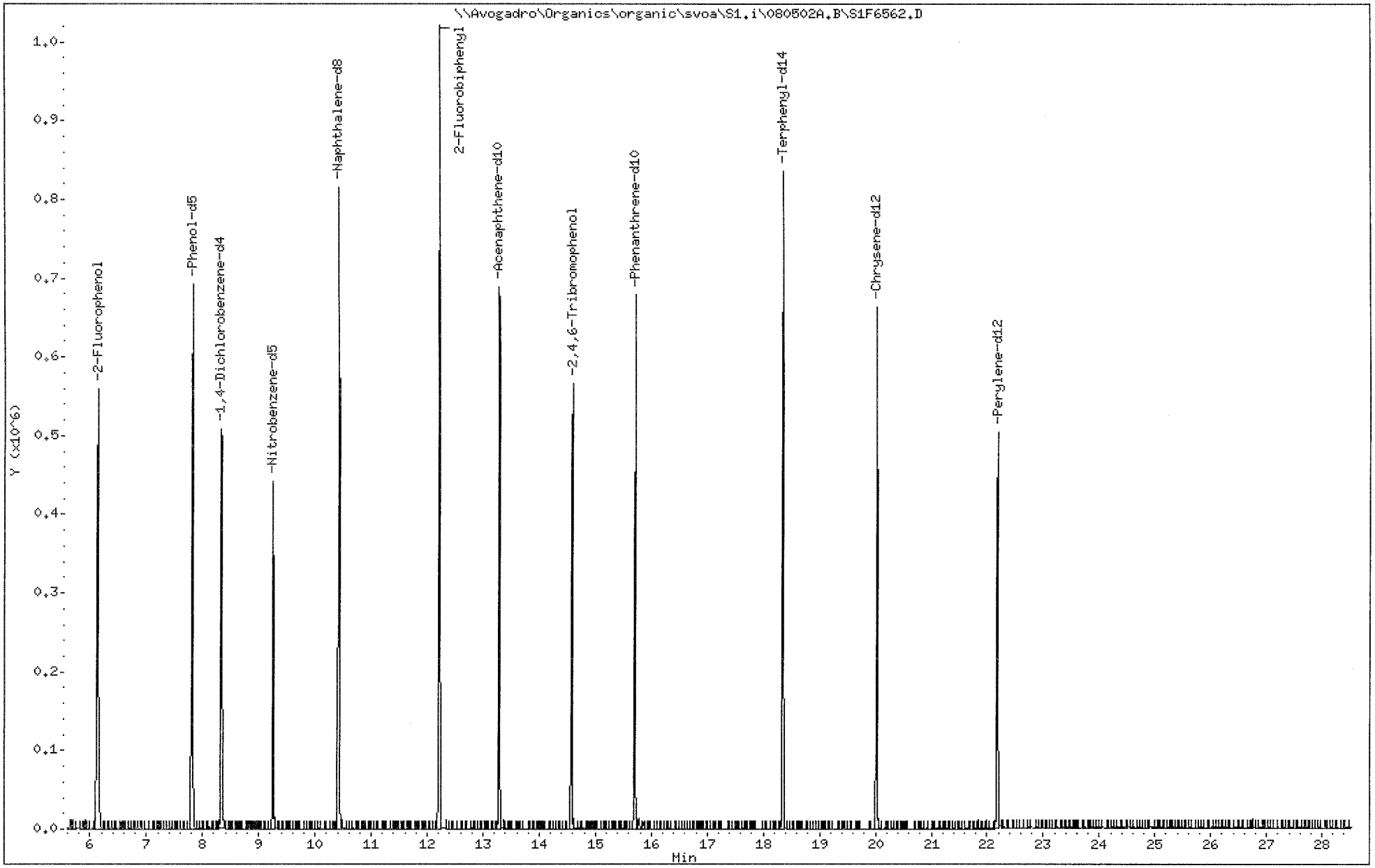
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6562.D
Date : 02-MAY-2008 15:30
Client ID: SBLK1U
Instrument: S1.i
Sample Info: MB-36150,SBLK1U,36150
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F6562.D
Report Date: 19-May-2008 11:31

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6562.D
Lab Smp Id: MB-36150 Client Smp ID: SBLK1U
Inj Date : 02-MAY-2008 15:30
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : MB-36150,SBLK1U,36150
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\s1_8270C_N.m
Meth Date : 19-May-2008 11:30 S1.i Quant Type: ISTD
Cal Date : 22-APR-2008 20:35 Cal File: S1F6435.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	6.127	6.084	(0.735)	304659	54.8522	1800
$ 5 Phenol-d5	99	7.813	7.812	(0.938)	310539	54.5110	1800
* 12 1,4-Dichlorobenzene-d4	152	8.331	8.331	(1.000)	167505	40.0000	
$ 22 Nitrobenzene-d5	82	9.250	9.260	(0.888)	145768	37.9069	1300
* 31 Naphthalene-d8	136	10.416	10.427	(1.000)	541011	40.0000	
$ 41 2-Fluorobiphenyl	172	12.210	12.220	(0.919)	419533	43.1454	1400
* 48 Acenaphthene-d10	164	13.279	13.290	(1.000)	276744	40.0000	
$ 60 2,4,6-Tribromophenol	330	14.576	14.586	(0.928)	120703	61.4316	2000
* 64 Phenanthrene-d10	188	15.699	15.710	(1.000)	434299	40.0000	
$ 72 Terphenyl-d14	244	18.346	18.346	(0.916)	360057	40.0594	1300
* 76 Chrysene-d12	240	20.021	20.042	(1.000)	374940	40.0000	
* 83 Perylene-d12	264	22.182	22.192	(1.000)	291274	40.0000	

5/19/08
SS

Data File: S1F6562.D
Report Date: 19-May-2008 11:31

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6562.D
Lab Smp Id: MB-36150 Client Smp ID: SBLK1U
Inj Date : 02-MAY-2008 15:30
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : MB-36150,SBLK1U,36150
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\s1_8270C_N.m
Meth Date : 19-May-2008 11:30 S1.i Quant Type: ISTD
Cal Date : 22-APR-2008 20:35 Cal File: S1F6435.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6563.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	
111-44-4	Bis(2-chloroethyl)ether	1100	
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	1300	
106-46-7	1,4-Dichlorobenzene	1400	
95-50-1	1,2-Dichlorobenzene	1400	
95-48-7	2-Methylphenol	1300	
108-60-1	2,2´-oxybis(1-Chloropropane)	960	
106-44-5	4-Methylphenol	1300	
621-64-7	N-Nitroso-di-n-propylamine	1100	
67-72-1	Hexachloroethane	1400	
98-95-3	Nitrobenzene	1300	
78-59-1	Isophorone	1200	
88-75-5	2-Nitrophenol	1400	
105-67-9	2,4-Dimethylphenol	1400	
120-83-2	2,4-Dichlorophenol	1600	
120-82-1	1,2,4-Trichlorobenzene	1600	
91-20-3	Naphthalene	1500	
106-47-8	4-Chloroaniline	1000	
111-91-1	Bis(2-chloroethoxy)methane	1300	
87-68-3	Hexachlorobutadiene	1600	
59-50-7	4-Chloro-3-methylphenol	1400	
91-57-6	2-Methylnaphthalene	1400	
77-47-4	Hexachlorocyclopentadiene	2200	
88-06-2	2,4,6-Trichlorophenol	1600	
95-95-4	2,4,5-Trichlorophenol	1500	
91-58-7	2-Chloronaphthalene	1600	
88-74-4	2-Nitroaniline	1300	
131-11-3	Dimethylphthalate	1600	
208-96-8	Acenaphthylene	1500	
606-20-2	2,6-Dinitrotoluene	1600	
99-09-2	3-Nitroaniline	1100	
83-32-9	Acenaphthene	1500	
51-28-5	2,4-Dinitrophenol	690	
100-02-7	4-Nitrophenol	1700	
132-64-9	Dibenzofuran	1600	
121-14-2	2,4-Dinitrotoluene	1600	

SW846

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ULCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6563.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

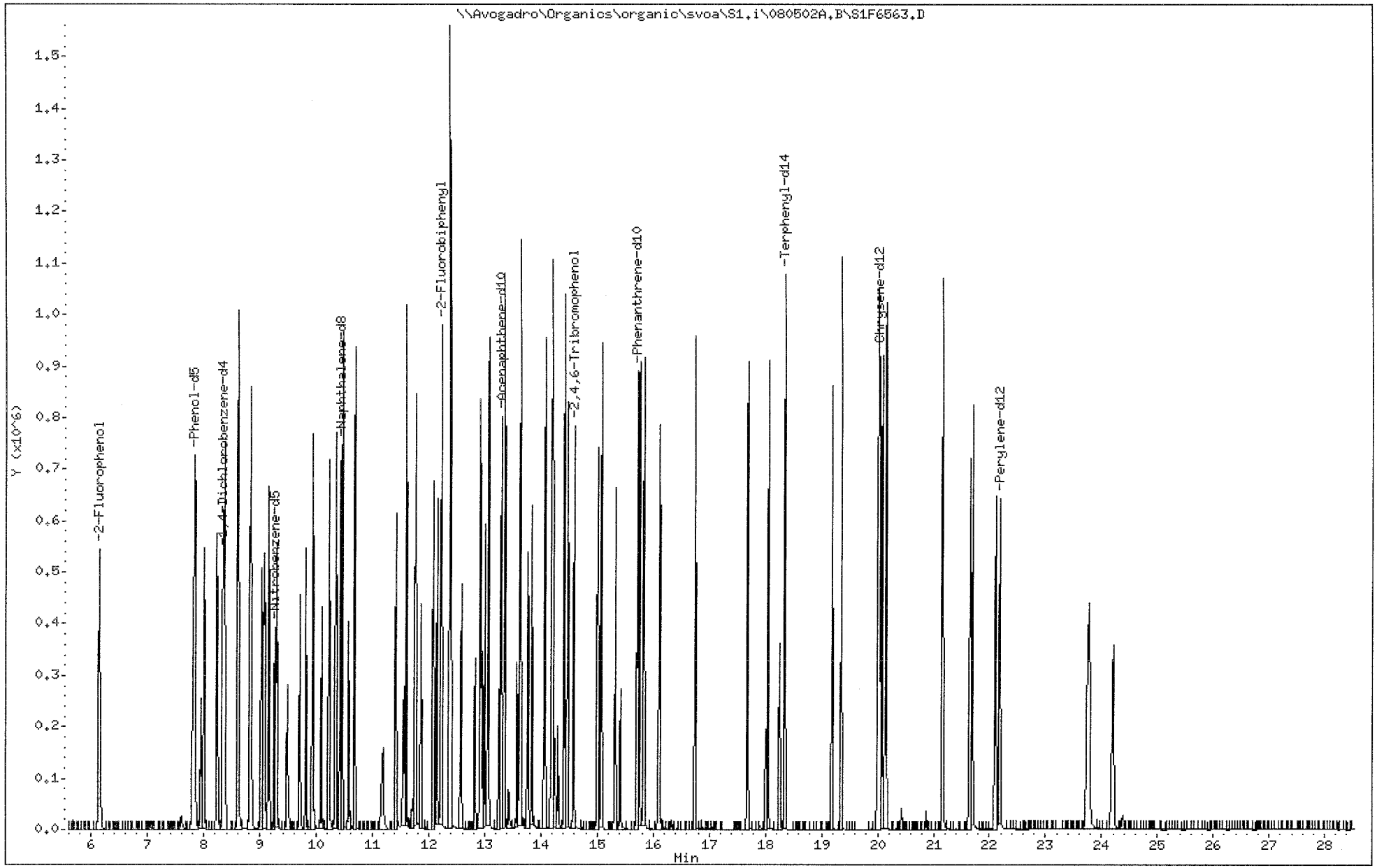
Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1600	
86-73-7	Fluorene	1600	
100-01-6	4-Nitroaniline	900	
534-52-1	4,6-Dinitro-2-methylphenol	940	
86-30-6	N-Nitrosodiphenylamine	1400	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1500	
87-86-5	Pentachlorophenol	1000	
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	1400	
86-74-8	Carbazole	1600	
84-74-2	Di-n-butylphthalate	1400	
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	1500	
91-94-1	3,3'-Dichlorobenzidine	1500	
56-55-3	Benzo(a)anthracene	1500	
218-01-9	Chrysene	1500	
117-81-7	Bis(2-ethylhexyl)phthalate	1500	
117-84-0	Di-n-octylphthalate	1500	
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	1500	
191-24-2	Benzo(g,h,i)perylene	1500	

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6563.D
Date : 02-MAY-2008 16:06
Client ID: S1ULCS
Instrument: S1.i
Sample Info: LCS-36150,S1ULCS,36150
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F6563.D
Report Date: 19-May-2008 11:30

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6563.D
Lab Smp Id: LCS-36150 Client Smp ID: S1ULCS
Inj Date : 02-MAY-2008 16:06
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : LCS-36150,S1ULCS,36150
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\s1_8270C_N.m
Meth Date : 19-May-2008 11:30 S1.i Quant Type: ISTD
Cal Date : 22-APR-2008 20:35 Cal File: S1F6435.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET113

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	3 2-Fluorophenol	112	6.128	6.084	(0.735)	316704	56.2469	1900
$	5 Phenol-d5	99	7.824	7.812	(0.939)	330516	57.2302	1900
	6 Phenol	94	7.846	7.823	(0.942)	210440	35.6483	1200(Q)
	8 bis(2-Chloroethyl)Ether	93	7.943	7.953	(0.953)	145994	32.8891	1100(Q)
	10 2-Chlorophenol	128	7.997	7.985	(0.960)	259778	40.3370	1300
	11 1,3-Dichlorobenzene	146	8.224	8.234	(0.987)	272118	40.4012	1300
*	12 1,4-Dichlorobenzene-d4	152	8.332	8.331	(1.000)	169810	40.0000	
	13 1,4-Dichlorobenzene	146	8.353	8.363	(1.003)	284715	40.6636	1400
	16 1,2-Dichlorobenzene	146	8.602	8.601	(1.032)	269862	42.1710	1400
	17 2-Methylphenol	108	8.818	8.817	(1.058)	181010	37.9501	1300
	18 2,2'-oxybis(1-Chloropropane)	45	8.829	8.839	(1.060)	157559	28.9499	960
	20 4-Methylphenol	108	9.077	9.087	(1.089)	188787	37.7438	1200
	19 N-Nitroso-di-n-propylamine	70	9.056	9.055	(1.087)	92559	34.1282	1100
	21 Hexachloroethane	117	9.153	9.152	(1.099)	119684	41.9574	1400
$	22 Nitrobenzene-d5	82	9.261	9.260	(0.888)	154570	37.8643	1300
	23 Nitrobenzene	77	9.293	9.292	(0.891)	158469	39.1980	1300
	24 Isophorone	82	9.704	9.703	(0.931)	249673	36.6753	1200
	25 2-Nitrophenol	139	9.812	9.811	(0.941)	138549	43.3499	1400
	26 2,4-Dimethylphenol	107	9.931	9.930	(0.952)	209810	40.8197	1400

Data File: S1F6563.D
Report Date: 19-May-2008 11:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	27 bis(2-Chloroethoxy)methane	93	10.082	10.092	(0.967)	181122	38.6569	1300
	29 2,4-Dichlorophenol	162	10.223	10.222	(0.980)	208892	46.7517	1600
	30 1,2,4-Trichlorobenzene	180	10.341	10.340	(0.992)	251023	47.7227	1600
*	31 Naphthalene-d8	136	10.428	10.427	(1.000)	574324	40.0000	
	32 Naphthalene	128	10.460	10.459	(1.003)	648950	44.7482	1500
	33 4-Chloroaniline	127	10.568	10.578	(1.013)	180070	30.5652	1000
	34 Hexachlorobutadiene	225	10.676	10.675	(1.024)	154742	48.0096	1600
	35 4-Chloro-3-Methylphenol	107	11.411	11.421	(1.094)	168691	41.7785	1400
	36 2-Methylnaphthalene	142	11.595	11.594	(1.112)	360823	41.8860	1400(H)
	38 Hexachlorocyclopentadiene	237	11.854	11.853	(0.892)	96153	67.4690	2200
	39 2,4,6-Trichlorophenol	196	12.081	12.080	(0.909)	162632	48.0512	1600
	40 2,4,5-Trichlorophenol	196	12.135	12.145	(0.913)	172428	45.7580	1500
$	41 2-Fluorobiphenyl	172	12.210	12.220	(0.919)	472118	45.3982	1500
	42 2-Chloronaphthalene	162	12.383	12.393	(0.932)	415661	47.5244	1600
	43 2-Nitroaniline	65	12.578	12.577	(0.946)	84349	37.7351	1200
	44 Dimethylphthalate	163	12.913	12.922	(0.972)	513979	47.5317	1600
	45 2,6-Dinitrotoluene	165	12.999	12.998	(0.978)	134359	47.3635	1600
	46 Acenaphthylene	152	13.064	13.063	(0.983)	590349	44.7794	1500
	47 3-Nitroaniline	138	13.258	13.257	(0.998)	80847	34.3443	1100
*	48 Acenaphthene-d10	164	13.291	13.290	(1.000)	295977	40.0000	
	49 Acenaphthene	153	13.345	13.344	(1.004)	364872	44.8107	1500
	50 2,4-Dinitrophenol	184	13.431	13.430	(1.011)	24808	20.7222	690
	51 4-Nitrophenol	109	13.572	13.582	(1.021)	63257	50.3627	1700
	53 2,4-Dinitrotoluene	165	13.647	13.646	(1.027)	166226	48.2252	1600
	52 Dibenzofuran	168	13.626	13.636	(1.025)	560193	47.0716	1600
	54 Diethylphthalate	149	14.069	14.068	(1.059)	543100	47.3257	1600
	56 4-Chlorophenyl-phenylether	204	14.209	14.208	(1.069)	246322	47.4574	1600
	55 Fluorene	166	14.187	14.186	(1.067)	442099	46.5023	1600
	57 4-Nitroaniline	138	14.241	14.262	(1.072)	51381	27.1058	900
	58 4,6-Dinitro-2-methylphenol	198	14.306	14.305	(0.911)	59745	28.1467	940(Q)
	59 N-Nitrosodiphenylamine	169	14.414	14.413	(0.917)	374283	43.1738	1400
$	60 2,4,6-Tribromophenol	330	14.587	14.586	(0.928)	158492	69.2717	2300
	61 4-Bromophenyl-phenylether	248	15.008	15.008	(0.955)	153449	44.8940	1500
	62 Hexachlorobenzene	284	15.073	15.072	(0.959)	188928	44.0583	1500
	63 Pentachlorophenol	266	15.408	15.418	(0.981)	50002	31.1216	1000
*	64 Phenanthrene-d10	188	15.711	15.710	(1.000)	505724	40.0000	
	65 Phenanthrene	178	15.754	15.753	(1.003)	647342	43.0217	1400
	66 Anthracene	178	15.830	15.839	(1.008)	614247	41.5473	1400
	67 Carbazole	167	16.110	16.110	(1.025)	507347	49.3884	1600
	68 Di-n-butylphthalate	149	16.748	16.747	(1.066)	888602	42.6640	1400
	69 Fluoranthene	202	17.688	17.687	(1.126)	665180	44.0691	1500
	71 Pyrene	202	18.044	18.054	(0.901)	703217	45.2496	1500
$	72 Terphenyl-d14	244	18.347	18.346	(0.916)	450040	43.3194	1400
	73 Butylbenzylphthalate	149	19.189	19.189	(0.958)	381438	43.8762	1500
	74 3,3'-Dichlorobenzidine	252	20.000	20.010	(0.998)	147302	43.7642	1400
	75 Benzo(a)anthracene	228	20.011	20.020	(0.999)	568943	44.4907	1500
*	76 Chrysene-d12	240	20.032	20.042	(1.000)	433375	40.0000	
	78 bis(2-Ethylhexyl)phthalate	149	20.151	20.150	(1.006)	559544	45.8729	1500
	77 Chrysene	228	20.075	20.085	(1.002)	516435	43.5125	1400
	79 Di-n-octylphthalate	149	21.156	21.166	(0.954)	873771	45.4722	1500
	80 Benzo(b)fluoranthene	252	21.653	21.663	(0.976)	526575	43.3446	1400
	81 Benzo(k)fluoranthene	252	21.696	21.706	(0.978)	481562	41.8645	1400
	82 Benzo(a)pyrene	252	22.106	22.116	(0.997)	440835	42.3918	1400
*	83 Perylene-d12	264	22.182	22.192	(1.000)	348167	40.0000	

Data File: S1F6563.D
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
84 Indeno(1,2,3-cd)pyrene	276	23.749	23.758	(1.071)	447168	44.3719	1500
85 Dibenzo(a,h)anthracene	278	23.781	23.791	(1.072)	373566	43.9271	1500
86 Benzo(g,h,i)perylene	276	24.202	24.212	(1.091)	367368	44.3807	1500

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6564.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	
111-44-4	Bis(2-chloroethyl)ether	1100	
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	1200	
106-46-7	1,4-Dichlorobenzene	1300	
95-50-1	1,2-Dichlorobenzene	1300	
95-48-7	2-Methylphenol	1200	
108-60-1	2,2´-oxybis(1-Chloropropane)	930	
106-44-5	4-Methylphenol	1200	
621-64-7	N-Nitroso-di-n-propylamine	1000	
67-72-1	Hexachloroethane	1300	
98-95-3	Nitrobenzene	1200	
78-59-1	Isophorone	1100	
88-75-5	2-Nitrophenol	1300	
105-67-9	2,4-Dimethylphenol	1300	
120-83-2	2,4-Dichlorophenol	1400	
120-82-1	1,2,4-Trichlorobenzene	1400	
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	760	
111-91-1	Bis(2-chloroethoxy)methane	1100	
87-68-3	Hexachlorobutadiene	1500	
59-50-7	4-Chloro-3-methylphenol	1300	
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	2200	
88-06-2	2,4,6-Trichlorophenol	1500	
95-95-4	2,4,5-Trichlorophenol	1500	
91-58-7	2-Chloronaphthalene	1400	
88-74-4	2-Nitroaniline	1300	
131-11-3	Dimethylphthalate	1500	
208-96-8	Acenaphthylene	1500	
606-20-2	2,6-Dinitrotoluene	1500	
99-09-2	3-Nitroaniline	950	
83-32-9	Acenaphthene	1500	
51-28-5	2,4-Dinitrophenol	1400	
100-02-7	4-Nitrophenol	1600	
132-64-9	Dibenzofuran	1500	
121-14-2	2,4-Dinitrotoluene	1500	

SW846

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ULCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0580

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-36150

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F6564.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

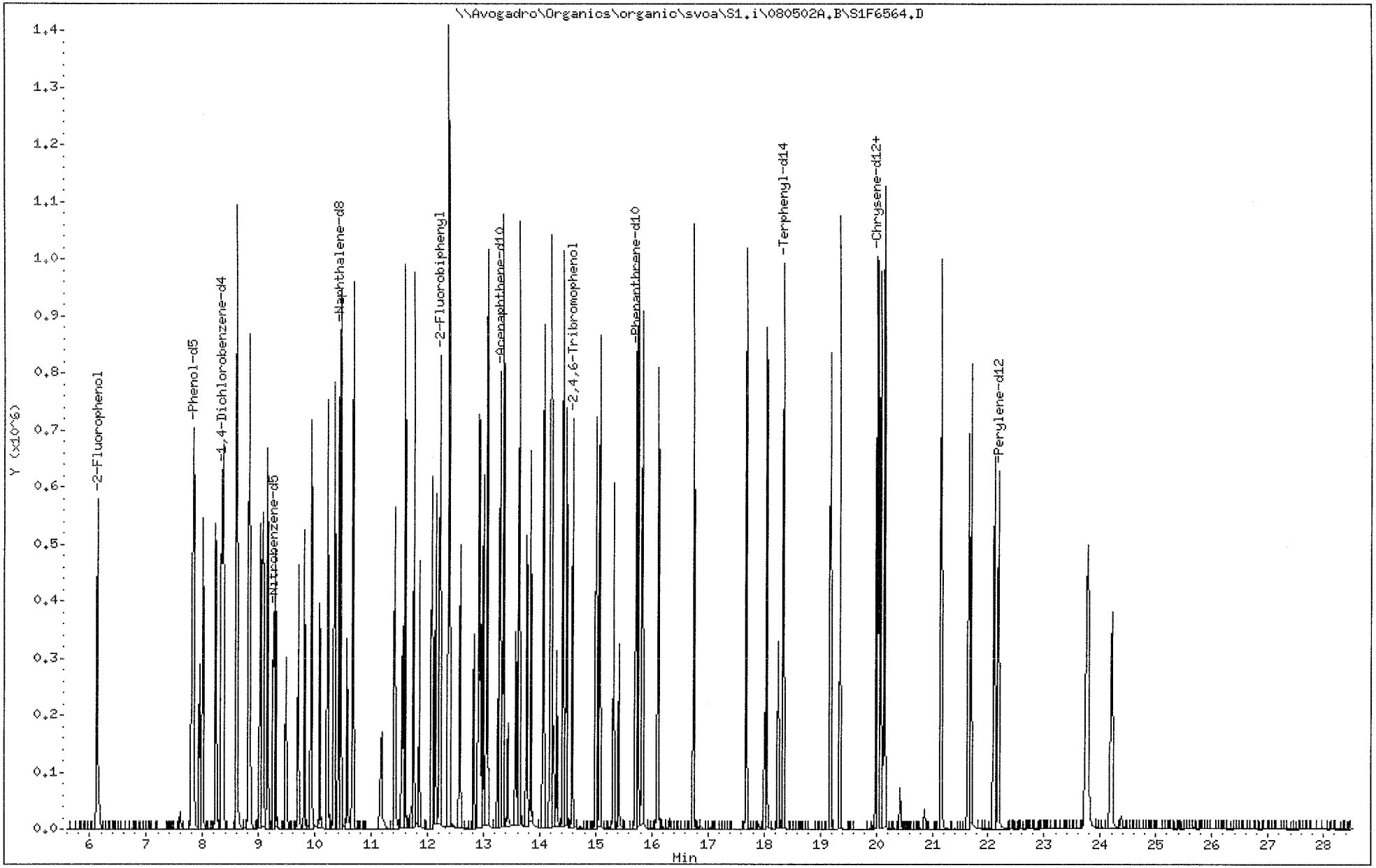
Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/01/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/02/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	1500	
7005-72-3	4-Chlorophenyl-phenylether	1600	
86-73-7	Fluorene	1500	
100-01-6	4-Nitroaniline	970	
534-52-1	4,6-Dinitro-2-methylphenol	1400	
86-30-6	N-Nitrosodiphenylamine	1500	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1500	
87-86-5	Pentachlorophenol	1200	
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	1400	
86-74-8	Carbazole	1700	
84-74-2	Di-n-butylphthalate	1500	
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	1400	
91-94-1	3,3´-Dichlorobenzidine	1400	
56-55-3	Benzo(a)anthracene	1400	
218-01-9	Chrysene	1400	
117-81-7	Bis(2-ethylhexyl)phthalate	1500	
117-84-0	Di-n-octylphthalate	1400	
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenzo(a,h)anthracene	1600	
191-24-2	Benzo(g,h,i)perylene	1600	

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6564.D
Date : 02-MAY-2008 16:42
Client ID: S1ULCSD
Instrument: S1.i
Sample Info: LCSD-36150,S1ULCSD,36150
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F6564.D
Report Date: 19-May-2008 11:30

Mitkem Corporation

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\S1F6564.D
Lab Smp Id: LCSD-36150 Client Smp ID: S1ULCSD
Inj Date : 02-MAY-2008 16:42
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : LCSD-36150,S1ULCSD,36150
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080502A.B\s1_8270C_N.m
Meth Date : 19-May-2008 11:30 S1.i Quant Type: ISTD
Cal Date : 22-APR-2008 20:35 Cal File: S1F6435.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET113

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	3 2-Fluorophenol	112	6.127	6.084	(0.735)	331882	55.7795	1800
$	5 Phenol-d5	99	7.823	7.812	(0.939)	325942	53.4096	1800
	6 Phenol	94	7.845	7.823	(0.942)	215713	34.5807	1200(Q)
	8 bis(2-Chloroethyl)Ether	93	7.942	7.953	(0.953)	160756	34.2713	1100(Q)
	10 2-Chlorophenol	128	7.996	7.985	(0.960)	259581	38.1435	1300
	11 1,3-Dichlorobenzene	146	8.223	8.234	(0.987)	264660	37.1853	1200
*	12 1,4-Dichlorobenzene-d4	152	8.331	8.331	(1.000)	179439	40.0000	
	13 1,4-Dichlorobenzene	146	8.363	8.363	(1.004)	282043	38.1204	1300
	16 1,2-Dichlorobenzene	146	8.601	8.601	(1.032)	268351	39.6845	1300
	17 2-Methylphenol	108	8.817	8.817	(1.058)	181399	35.9908	1200
	18 2,2'-oxybis(1-Chloropropane)	45	8.839	8.839	(1.061)	160743	27.9500	930
	20 4-Methylphenol	108	9.076	9.087	(1.089)	189123	35.7820	1200
	19 N-Nitroso-di-n-propylamine	70	9.055	9.055	(1.087)	89696	31.2978	1000
	21 Hexachloroethane	117	9.152	9.152	(1.099)	120310	39.9136	1300
$	22 Nitrobenzene-d5	82	9.260	9.260	(0.888)	154836	34.7763	1200
	23 Nitrobenzene	77	9.292	9.292	(0.891)	153115	34.7252	1200
	24 Isophorone	82	9.703	9.703	(0.931)	247474	33.3302	1100
	25 2-Nitrophenol	139	9.811	9.811	(0.941)	137106	39.3322	1300
	26 2,4-Dimethylphenol	107	9.930	9.930	(0.952)	212209	37.8543	1300

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Report Date: 19-May-2008 11:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	27 bis(2-Chloroethoxy)methane	93	10.081	10.092	(0.967)	173845	34.0193	1100
	29 2,4-Dichlorophenol	162	10.222	10.222	(0.980)	206486	42.3714	1400
	30 1,2,4-Trichlorobenzene	180	10.340	10.340	(0.992)	242504	42.2706	1400
*	31 Naphthalene-d8	136	10.427	10.427	(1.000)	626397	40.0000	
	32 Naphthalene	128	10.459	10.459	(1.003)	593245	37.5064	1200
	33 4-Chloroaniline	127	10.567	10.578	(1.013)	146564	22.8098	760
	34 Hexachlorobutadiene	225	10.675	10.675	(1.024)	156470	44.5100	1500
	35 4-Chloro-3-Methylphenol	107	11.410	11.421	(1.094)	170418	38.6976	1300
	36 2-Methylnaphthalene	142	11.594	11.594	(1.112)	360923	38.4146	1300(H)
	38 Hexachlorocyclopentadiene	237	11.853	11.853	(0.892)	97429	66.4303	2200
	39 2,4,6-Trichlorophenol	196	12.080	12.080	(0.909)	160745	46.1500	1500
	40 2,4,5-Trichlorophenol	196	12.145	12.145	(0.914)	174952	45.1144	1500
$	41 2-Fluorobiphenyl	172	12.220	12.220	(0.920)	432356	40.3986	1300
	42 2-Chloronaphthalene	162	12.382	12.393	(0.932)	390851	43.4235	1400
	43 2-Nitroaniline	65	12.577	12.577	(0.946)	87162	37.8904	1300
	44 Dimethylphthalate	163	12.922	12.922	(0.972)	506111	45.4800	1500
	45 2,6-Dinitrotoluene	165	12.998	12.998	(0.978)	131236	44.9538	1500
	46 Acenaphthylene	152	13.063	13.063	(0.983)	594860	43.8450	1500
	47 3-Nitroaniline	138	13.257	13.257	(0.998)	69011	28.4870	950
*	48 Acenaphthene-d10	164	13.290	13.290	(1.000)	304594	40.0000	
	49 Acenaphthene	153	13.344	13.344	(1.004)	366707	43.7620	1400
	50 2,4-Dinitrophenol	184	13.430	13.430	(1.011)	52415	42.5437	1400
	51 4-Nitrophenol	109	13.571	13.582	(1.021)	63295	48.9673	1600
	53 2,4-Dinitrotoluene	165	13.646	13.646	(1.027)	164366	46.3366	1500
	52 Dibenzofuran	168	13.625	13.636	(1.025)	549022	44.8278	1500
	54 Diethylphthalate	149	14.068	14.068	(1.059)	527335	44.6519	1500
	56 4-Chlorophenyl-phenylether	204	14.208	14.208	(1.069)	252455	47.2630	1600
	55 Fluorene	166	14.186	14.186	(1.067)	426076	43.5490	1400
	57 4-Nitroaniline	138	14.251	14.262	(1.072)	56557	28.9923	970
	58 4,6-Dinitro-2-methylphenol	198	14.305	14.305	(0.911)	84407	41.2733	1400(Q)
	59 N-Nitrosodiphenylamine	169	14.413	14.413	(0.917)	371422	44.4685	1500
$	60 2,4,6-Tribromophenol	330	14.586	14.586	(0.928)	163257	74.0602	2500
	61 4-Bromophenyl-phenylether	248	15.007	15.008	(0.955)	148756	45.1713	1500
	62 Hexachlorobenzene	284	15.072	15.072	(0.959)	183749	44.4755	1500
	63 Pentachlorophenol	266	15.407	15.418	(0.981)	57813	37.3477	1200
*	64 Phenanthrene-d10	188	15.710	15.710	(1.000)	487247	40.0000	
	65 Phenanthrene	178	15.753	15.753	(1.003)	638751	44.0605	1500
	66 Anthracene	178	15.829	15.839	(1.008)	616162	43.2573	1400
	67 Carbazole	167	16.109	16.110	(1.025)	508398	51.3675	1700
	68 Di-n-butylphthalate	149	16.747	16.747	(1.066)	903020	45.0003	1500
	69 Fluoranthene	202	17.687	17.687	(1.126)	664302	45.6799	1500
	71 Pyrene	202	18.043	18.054	(0.901)	711068	44.3872	1500
$	72 Terphenyl-d14	244	18.346	18.346	(0.916)	433655	40.4945	1300
	73 Butylbenzylphthalate	149	19.188	19.189	(0.958)	385457	43.0132	1400
	74 3,3'-Dichlorobenzidine	252	19.999	20.010	(0.998)	143781	41.4413	1400
	75 Benzo(a)anthracene	228	20.020	20.020	(0.999)	562736	42.6900	1400
*	76 Chrysene-d12	240	20.031	20.042	(1.000)	446728	40.0000	
	78 bis(2-Ethylhexyl)phthalate	149	20.150	20.150	(1.006)	548143	43.5950	1400
	77 Chrysene	228	20.074	20.085	(1.002)	516387	42.2080	1400
	79 Di-n-octylphthalate	149	21.155	21.166	(0.954)	870950	43.1148	1400
	80 Benzo(b)fluoranthene	252	21.652	21.663	(0.976)	542401	42.4699	1400
	81 Benzo(k)fluoranthene	252	21.695	21.706	(0.978)	502156	41.5257	1400
	82 Benzo(a)pyrene	252	22.105	22.116	(0.997)	477561	43.6838	1400
*	83 Perylene-d12	264	22.181	22.192	(1.000)	366018	40.0000	

Data File: S1F6564.D
Report Date: 19-May-2008 11:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
84 Indeno(1,2,3-cd)pyrene	276	23.748	23.758	(1.071)	494492	46.6748	1600
85 Dibenzo(a,h)anthracene	278	23.780	23.791	(1.072)	420042	46.9833	1600
86 Benzo(g,h,i)perylene	276	24.201	24.212	(1.091)	419934	48.2569	1600

5194.02
SS

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc. ORGANIC PREP - SAMPLE PREPARATION: SEMIVOLATILES

Date: 5-1-08	Analysis: BNA	Method # Aq: 3510C (SepF) 3520C (Liq/Liq) Other: Soil: 3550B (Sonic) 3540C (Soxhlet)	Matrix Aqueous (Soil) Wipe Oil Other:	Sodium Sulfate Lot #: E43602
Batch ID 36150	LCS ID 36150	Analyst PK	Spiked By PK	Witness DL	MeCl Lot# —	MeCL/Acetone 1:1 Lot# 601223	H_2SO_4 Lot# —	NaOH Lot# —	Time/Date Started: Time/Date Ended: —

Lab ID	Bottle #	Sample Wt (g) / Vol (mL)	Initial pH	Surrogate Spike Added(uL)	Matrix Spike Added(uL)	H2SO4 pH<2	NaOH pH>11	Emulsion	KD/RV Prior to Fractionation Date / Analyst	Fractionation Date / Analyst	Final Concentration Date / Analyst		Final Conc. Volume (mL)	Date Extract Trans.
MB 36150	—	30.0	—	1mL	—	—					5/01/08	MW	1	5/01/08
LCS-36150	—	30.0			1mL						↓	↓	↓	↓
LCSD 36150	—	30.0			1mL						5/01/08	MW	1	5/01/08
60565-07A	1	30.2			—						5/01/08	MW	1	5/01/08
↓ -08A		30.2									5/3/08	TR	1	5/3/08
60565-09A		30.1									5/3/08	TR	1	5/3/08
60592-01A		30.3									5/01/08	MW	1	5/01/08
↓ -02A		30.0									↓	↓	↓	↓
60592-05A		30.5									5/01/08	MW	1	5/01/08
60608-01B		30.1									5/02/08			5/02/08
↓ -02B		30.5									↓	↓	↓	↓
↓ -03B		30.4									5/02/08	MW	1	5/02/08
60608-04B		30.0									5/3/08	TR	1	5/3/08
60570-11A		30.1									↓	↓	↓	↓
↓ -12A		30.4												
↓ -13A		30.4												
↓ -14A		30.3									↓	↓	↓	↓
60570-15A	↓	30.1	↓	↓	↓						5/3/08	TR	1	5/3/08
60580-01A	1	30.0	—	1mL	—	—					5/06/08	MW	1	5/05/08

5/01/08 MW

Comments:

Surrogate Std. ID: 05W080430A

Matrix Spike/LCS Std. ID: 05W030423B

Sonicator Tuned: (Yes) / No

Soxhlet Cycle/Hour: N/A

Drip Rate N/A

Water Bath Temp: 85°C

Reviewed By: PK 5/2/8

Logbook ID: 50.0147-04/08

Percent Moisture and Percent Solids Report

Mitkem Sample ID	Client Sample ID	Analyzed	Percent Moisture	Percent Solids	Validated
G0580-01A	130173-MW-2-10-12	05/05/2008	4	96	Yes

Mitkem Corporation
Semivolatiles Laboratory

Instrument S1 Injection Log

METHOD: 8270
ICAL DATE: ~~04/23/08~~ 4/22/08 DK 04/23/08
ANALYST: DK
EMV: 1553

BATCH: 080422.B

Start: 22-APR-08 16:41
End: 22-APR-08 21:48

Comments: IS0710 25A

TUNE SL0803134

L1 SW080401A
L2 SW080401B
L3 SW080417A
L4 SW080411A
L5 SW080331B
L6 SW080331C

GOLD SEAL - CLEAN
LINER - CLEAN
CLIPPED COLUMN - YES

#1858

Reviewed By: 04/24/08 BM

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	FBP	TPH	ACID PHL	2FP	TBP	OLM DCB	2CP	DILN	FLG	COMMENTS
S1F6430	16:41	DFTPP1N	DFTPP1N		AQ															1		DK
S1F6431	17:16	SSTD0501N	SSTD0501N			100	100	100	100	100	100									1		OK
S1F6432	18:20	SSTD1601N	SSTD1601N			88	93	95	93	87	66									1		OK
S1F6433	18:55	SSTD0101N	SSTD0101N			117	113	119	118	115	112									1		OK
S1F6434	19:32	SSTD0801N	SSTD0801N			108	112	108	111	113	109									1		OK
S1F6435	20:35	SSTD0201N	SSTD0201N			95	98	95	87	82	78									1		OK
S1F6436	21:11	SSTD1201N	SSTD1201N			96	95	91	92	93	92									1		OK
S1F6437	21:48	ICV	ICV			100	100	100	100	100	100									1		DON'T USE

ICAL

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limits
D - Surrogates are diluted

DK 04/23/08

Instrument S1
Injection Log

Mitkem Laboratories
SemiVolatiles Laboratory

Mitkem Corporation
Semivolatiles Laboratory

Instrument S1 Injection Log

METHOD: 8270
ICAL DATE: 04/22/08

ANALYST: DK
EMV: 1553

BATCH: 080502A.B

Start: 02-MAY-08 14:18
End: 03-MAY-08 00:06

Comments: IS 0804174 TUNE S1 0803134 #1858 GOLD SEAL - CLEAN
L3 - SW080410A LINER CLEAN
CLIPPED COLUMN - YES

Reviewed By: 05/05/08 BM

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	BN FBP	BN TPH	ACID PHL	ACID 2FP	ACID TBP	OLM DCB	OLM 2CP	DILN	FLG	COMMENTS
					AQ															1		OK
S1F6560	14:18	DFTPP1U	DFTPP1U		AQ															1		OK
S1F6561	14:40	SSTD0501U	SSTD0501U			100	100	100	100	100	100									1		OK
S1F6562	15:30	MB-36150	SBLK1U	36150	SL	103	95	94	86	75	76	76	86	80	73	73	82			1		OK
S1F6563	16:06	LCS-36150	S1ULCS	36150	SL	104	101	101	100	87	91	76	91	87	76	75	92			1	R	OK
S1F6564	16:42	LCSD-36150	S1ULCSD	36150	SL	110	110	104	97	90	95	70	81	81	71	74	99			1		OK
S1F6565	17:18	MB-36063	SBLK1W	36063	AQ	119	118	119	122	103	115	84	91	100	80	77	92			1		OK
S1F6566	17:55	LCS-36063	S1WLCS	36063	AQ	131	130	129	121	127	140	80	96	84	83	83	110			1	R	OK
S1F6567	18:32	LCSD-36063	S1WLCSD	36063	AQ	131	135	130	132	134	141	80	101	84	81	83	108			1		OK
S1F6568	19:09	G0592-01A	GP-1 (16)	36150	SL	63	65	68	75	82	85	57	72	64						1		OK
S1F6569	19:46	G0598-01B	GP-5	36063	AQ	140	144	140	141	125	141	66	79	72	66	64	98			1		OK
S1F6570	20:23	G0592-03B	GP-1 05/05/08 BM	36063	AQ	156	160	152	150	138	135	57	60	21*						1		OK
S1F6571	21:00	G0592-02A	GP-2 (6-8)	36150	SL	131	125	124	115	109	83	69	83	82						1		Re-run IS
S1F6572	21:37	G0592-05A	GP-2 (10.5)	36150	SL	136	135	124	121	93	32*	63	82	94						1		Re-run IS, Re-extr.
S1F6573	22:14	G0592-04B	GP-3	36063	AQ	149	157	154	161	106	31*	66	44*	32*						1		OK
S1F6574	22:51	G0547-01B	MISS-48	35977	SL	132	131	129	129	71	22*	58	73	124	63	58	93			1		OK
S1F6575	23:28	G0547-02B	MISB-5024	35977	SL	129	129	129	125	48*	17*	65	74	164*	61	61	101			1		~~Re-run~~ IS OK 05/05/08 BM
S1F6576	00:06	G0565-01A RA	SB-12 (0-2) RA	35977	SL	140	148	149	139	40*	12*	58	72	215*	63	59	85			1		

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limits
D - Surrogates are diluted

DK 05/04/08

Logbook ID 70.010?-05/08

Mitkem Corporation
Semivolatiles Laboratory

Instrument S1 Injection Log

METHOD: 8270
ICAL DATE: 05/08/08

ANALYST: BM
EMV: 1741

BATCH: 080508A.B

Start: 08-MAY-08 12:43
End: 08-MAY-08 17:27

Comments: IS - SI080417A

Tune - SI080313A
L1 - SW080401A
L2 - SW080401B
L3 - SW080417A
L4 - SW080411A
L5 - SW080331B
L6 - SW080331C
10 - SI080319B

GOLD SEAL - CLEAN
LINER - CLEAN
CLIPPED COLUMN - YES

Reviewed By: CM 5/13/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	BN FBP	ACID TPH	ACID PHL	ACID 2FP	ACID TBP	OLM DCB	OLM 2CP	DILN	FLG	COMMENTS
S1F6640	12:43	DFTPP1Z	DFTPP1Z		AQ															1		Ok
S1F6641	13:00	SSTD0501Z	SSTD0501Z			100	100	100	100	100	100									1		Ok
S1F6642	14:02	SSTD1601Z	SSTD1601Z			89	94	90	90	92	78									1		Ok
S1F6643	14:54	SSTD0101Z	SSTD0101Z			91	96	92	102	84	84									1		Ok
S1F6644	15:50	SSTD0201Z	SSTD0201Z			107	113	108	120	105	101									1		Ok
S1F6645	16:22	SSTD1201Z	SSTD1201Z			100	97	98	101	100	87									1		Ok
S1F6646	16:54	SSTD0801Z	SSTD0801Z			102	98	96	103	91	83									1		Ok
S1F6647	17:27	ICV	ICV			100	100	100	100	100	100									1		Ok

1 CAL

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limits
D - Surrogates are diluted

8270 - 1915
E625 - 1920

05/13/08 BM

Mitkem Corporation
Semivolatiles Laboratory

Instrument S1 Injection Log

METHOD: 8270
ICAL DATE: 05/08/08

ANALYST: BM
EMV: 174

BATCH: 080513.B

Start: 13-MAY-08 09:33
End: 13-MAY-08 21:13

Comments: IS-SI080417A

Tune - SI080313A
L3 - SW080425A

GOLD SEAL-CLEAN
LINER-CLEAN
CLIPPED COLUMN- YES

1915

Reviewed By: CS 5/14/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	BN FBP	BN TPH	ACID PHL	ACID 2FP	ACID TBP	OLM DCB	OLM 2CP	DILN	FLG	COMMENTS
S1F6750	09:33	DFTPP1E	DFTPP1E		AQ																	
S1F6751	09:57	SSTD0501E	SSTD0501E			100	100	100	100	100	100									1		OK
S1F6752	10:34	MB-36363	SBLK1G	36363	SL	106	107	101	100	94	89	79	84	103	66	83	81			1		OK
S1F6753	11:06	LCS-36363	S1GLCS	36363	SL	103	103	101	106	93	97	76	83	109	63	80	86			1		OK
S1F6754	11:39	LCSD-36363	S1GLCSD	36363	SL	96	93	99	98	101	91	78	84	88	68	83	88			1	R	OK
S1F6755	12:11	G0595-01C	002A	36063	AQ	124	132	112	121	108	108	86	101	70	78	88	97			1	R	OK
S1F6756	12:43	G0595-02C	0015A	36063	AQ	127	126	115	118	96	80	85	96	85	72	88	97			1		OK
S1F6757	13:15	G0597-02B	INF	36063	AQ	120	127	118	126	107	106	72	87	105						1		OK
S1F6758	13:47	G0605-02F	006A	36063	AQ	111	122	114	113	101	71	84	95	50	52	90	95			1		OK
S1F6759	14:19	G0580-01A	130173-MW-2-10-	36150	SL	97	98	95	100	79	60	60	68	79	56	68	65			1		OK
S1F6760	14:51	G0657-01A	BR-1N1.5	36363	SL	95	98	89	94	40*	14*	57	76	148*						1		Re-run
S1F6761	15:23	G0657-02A	BR-2S1.5	36363	SL	81	89	89	97	34*	10*	58	76	186*						1		Re-run
S1F6762	15:56	G0569-03A	130172-MIP7-S-5	36020	SL	82	86	92	100	40*	13*	60	78	196*	56	67	71			1	E	DLx40
S1F6763	16:27	G0569-04A	130172-MIP7S-22	36020	SL	78	85	88	92	39*	16*	54	62	148*	48	62	68			1		Re-run IS
S1F6764	17:00	G0569-07A	130172-MIP8-S-5	36020	SL	78	83	84	88	36*	14*	60	75	197*	54	69	89			1		Re-run IS
S1F6765	17:31	G0569-08A	130172-MIP88-S-	36020	SL	79	85	87	97	36*	12*	55	66	194*	52	65	76			1		Re-run IS
S1F6766	18:03	G0569-10A	130172-MIP9-S-5	36020	SL	83	85	87	90	33*	11*	46	65	176*	46	58	68			1		OK ReRun
S1F6767	18:34	G0569-10AMS	130172-MIP9-S-5	36020	SL	79	87	90	93	34*	9*	64	80	214*	60	71	82			1	ER	OK ReRun
S1F6768	19:06	G0569-10AMSD	130172-MIP9-S-5	36020	SL	81	86	87	90	30*	10*	64	82	232*	61	74	90			1	ER	OK ReRun
S1F6769	19:38	G0657-01ARA	BR-1N1.5RA	36363	SL	81	83	88	98	22*	7*	58	69	222*						1	E	OK Pyrene duetop IS
S1F6770	20:09	G0657-02ARA	BR-2S1.5RA	36363	SL	77	81	85	84	20*	6*	57	76	252*						1		OK confirmation
S1F6771	20:41	G0569-03A	130172-MIP7-S-5	36020	SL	75	82	86	90	19*	6*	60	76	298*	55	72	75			1	E	Don't use only
S1F6772	21:13	G0569-04ARA	130172-MIP7S-22	36020	SL	74	74	82	85	22*	9*	51	63	226*	49	59	68			1		OK CW 5/14/08

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limits
D - Surrogates are diluted

05/14/08 BM

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc.

Sample Receiving Logbook

Workorder No. G0580

Client Name: CDM - NJ

Date Recv'd 4-25-08 **Sample #s** 01 **Storage Locations:** A2 CN

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT		IN	
4/30/08 -20 Relinquished By	Received By	Relinquished By	Received By
Date: 4/30/08 Init: CAW	Date: 4/30/08 Init: BV	Date: 4/30/08 Init: BV	Date: 4/30/08 Init: CAW
Samp. #s 01A metal		01M	
Date: 5/1/08 Init: CAW	Date: 5/1/08 Init: BV	Date: 5.1.08 Init: BL	Date: 5.1.08 Init: DC
Samp. #s 01A TB		01M	
Date: 5.1.08 Init: DC	Date: 5.1.08 Init: CW	Date: 5.1.08 Init: DC	Date: 5.1.08 Init: VEG
Samp. #s 01A	1BWA	01A	
Date: 5/5/08 Init: CN	Date: 5/5/08 Init: VEG	Date: 5/5/08 Init: VEG	Date: 5/5/08 Init: CN
Samp. #s 01A pmoist		01M	
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: 5/19/08 Init: JS	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)
Include the abbreviated name of the test to be performed., ie: SVOA, PCB...near the "samp. #s".
Include bottle or jar number when more than one.

Reviewed: 5/19/08 JS

8215

MITKEM LABORATORIES: SEMIVOLATILE EXTRACT TRANSFER LOGBOOK

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Disposal Date	Comments
5/01/08	G0527-	19A	MW	BM	R7-110		
↓	G0527-	20D	↓	↓	↓		
	MB36063	-		BM	R7-109		
	LCS 36063	-		↓	↓		
	LCSD 36063	-					
	G0592-	03B					
	G0592-	04B					
	G0598-	01B		↓	↓		
	MB 36120	-		SW	CLP 27-82		
↓	G0578-	06A	↓	↓	↓		
5/01/08	G0578-	07A	MW				
5/02/08	MB 36015	-					
↓	G0538-	01A					
↓	↓	02A					
↓	↓	03A					
5/02/08	~~G0538-~~	~~04A~~ 05A 06A	G0610-02A				CN 5/5/08
↓	MB 36163	-	MW SW	5/5/08			
↓	G0578-	09B	↓	↓			
5/02/08	G0578-	10B	MW	↓	↓		
↓	G0584-	01A	↓	BM	R7-110		
↓	G0595-	01C	↓	↓	↓		
↓	G0595-	02C	↓	↓	↓		
↓	MB 36150	-	↓	BM	R7-110		
↓	LCS 36150	-	↓	↓	↓		
↓	LCSD 36150	-	↓	↓	↓		
↓	G0565-	07A	↓	↓	↓		
↓	G0592-	01A	↓	↓	↓		
↓	↓	02A	↓	↓	↓		
↓	G0592-	05A	↓	↓	↓		
↓	G0608-	01B	↓	↓	↓		
↓	↓	02B	↓	↓	↓		
↓	↓	03B	↓	↓	↓		
5/02/08	G0608-	04B	MW	↓	↓		05/07/08 BM

Logbook ID 70.0141-02/08

Reviewed By: CV 5/12/08

0216

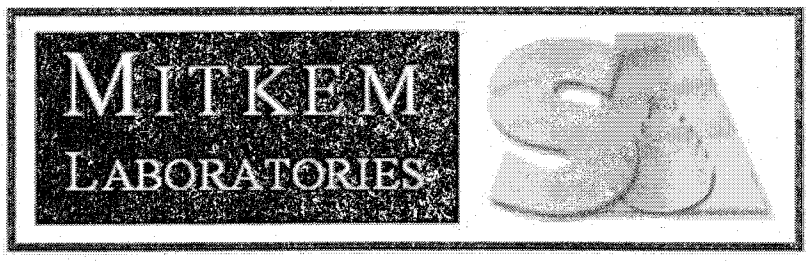
MITKEM LABORATORIES: SEMIVOLATILE EXTRACT TRANSFER LOGBOOK

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Disposal Date	Comments
5/2/08	G0570	20A	TR	BM	R7-110		
↓	↓	21A	↓	↓	↓		
↓	↓	21AMS	↓	↓	↓		
5/3/08	G0570	21AMSD	TR	↓	↓		
~~5/3/08~~	~~G0565~~	~~08A~~			~~5/3/08~~		
5/3/08	G0565-	08A	TR	BM	R7-110		
↓	G0565-	09A	↓	↓	↓		
↓	G0570	11A	↓	↓	↓		
↓	↓	12A	↓	↓	↓		
↓	↓	13A	↓	↓	↓		
↓	↓	14A	↓	↓	↓		
5/3/08	G0570	15A	TR	↓	↓		
5/06/08	MB 36210	-	MW	BM	R7-111		
↓	LCS 36210	-	↓	↓	↓		
↓	LCSD 36210	-	↓	↓	↓		
↓	G0632-	01A	↓	↓	↓		
↓	↓	02A	↓	↓	↓		
↓	G0632-	03A	↓	↓	↓		
↓	G0655-	01A	↓	↓	↓		
↓	↓	02A	↓	↓	↓		
↓	G0655-	04A	↓	↓	↓		
↓	G0645-	02A	↓	↓	↓		
↓	↓	04A	↓	↓	↓		
↓	↓	05A	↓	↓	↓		
↓	G0645-	06A	↓	↓	↓		
↓	MB 36181	-	↓	↓	↓		
↓	LCS 36181	-	↓	↓	↓		
↓	LCSD 36181	-	↓	↓	↓		
↓	G0631-	01B	↓	↓	↓		
5/06/08	G0580-	01A	MW	BM	R7-110		
↓	MB 36020	-	↓	BM	R7-111		
↓	LCS 36020	-	↓	↓	↓		
↓	G0570-	01A	↓	↓	↓		
5/06/08	G0570-	02A	MW	↓	↓		

Logbook ID 70.0141-02/08

Reviewed By: SW 5/9/08

0217



* Metals *

U.S.EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

SOW No.: SW846

EPA Sample No.	Lab Sample ID
130173-MW-2-10-12	G0580-01

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

Comments:

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

Signature: Karolina Bafura Name: KAROLINA BAFURA

Date: 5/24/05 Title:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-2-10-12

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Matrix (soil/water): SOIL Lab Sample ID: G0580-01

Level (low/med): MED Date Received: 04/25/2008

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	996			P
7440-36-0	Antimony	0.085	B		P
7440-38-2	Arsenic	1.0			P
7440-39-3	Barium	8.4			P
7440-41-7	Beryllium	0.072	B		P
7440-43-9	Cadmium	0.0040	U		P
7440-70-2	Calcium	82.5			P
7440-47-3	Chromium	5.9			P
7440-48-4	Cobalt	2.1			P
7440-50-8	Copper	2.3			P
7439-89-6	Iron	2590			P
7439-92-1	Lead	1.5			P
7439-95-4	Magnesium	202			P
7439-96-5	Manganese	55.8			P
7439-97-6	Mercury	0.0051	U		CV
7440-02-0	Nickel	2.0			P
7440-09-7	Potassium	147			P
7782-49-2	Selenium	0.085	B		P
7440-22-4	Silver	0.027	U		P
7440-23-5	Sodium	13.9	B		P
7440-28-0	Thallium	0.093	B		P
7440-62-2	Vanadium	2.1			P
7440-66-6	Zinc	4.2			P

Comments:

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0580

Initial Calibration Source: _____

Continuing Calibration Source: _____

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury	5.0	5.11	102.2	5.0	4.40	88.0			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum	10000.0	9680.14	96.8	10000.0	9757.99	97.6			P
Antimony	500.0	504.11	100.8	500.0	504.27	100.9			P
Arsenic	500.0	503.10	100.6	500.0	506.39	101.3			P
Barium	10000.0	10391.15	103.9	10000.0	10431.17	104.3			P
Beryllium	250.0	252.92	101.2	250.0	252.81	101.1			P
Cadmium	250.0	248.34	99.3	250.0	247.98	99.2			P
Calcium	25000.0	24691.96	98.8	25000.0	24658.27	98.6			P
Chromium	1000.0	988.59	98.9	1000.0	986.99	98.7			P
Cobalt	2500.0	2507.62	100.3	2500.0	2512.23	100.5			P
Copper	1250.0	1260.42	100.8	1250.0	1259.22	100.7			P
Iron	5000.0	4890.10	97.8	5000.0	4943.87	98.9			P
Lead	500.0	506.69	101.3	500.0	507.61	101.5			P
Magnesium	25000.0	24954.40	99.8	25000.0	25182.76	100.7			P
Manganese	2500.0	2525.66	101.0	2500.0	2537.91	101.5			P
Nickel	2500.0	2490.93	99.6	2500.0	2503.13	100.1			P
Selenium	500.0	499.87	100	500.0	503.21	100.6			P
Silver	1250.0	1228.70	98.3	1250.0	1236.22	98.9			P
Thallium	500.0	505.33	101.1	500.0	503.64	100.7			P
Vanadium	2500.0	2509.58	100.4	2500.0	2508.21	100.3			P
Zinc	2500.0	2492.77	99.7	2500.0	2508.48	100.3			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium	25000.0	25658.68	102.6	25000.0	25659.00	102.6	25589.48	102.4	P
Sodium	25000.0	26144.82	104.6	25000.0	25817.81	103.3	25672.99	102.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium				25000.0	25464.05	101.9	25700.22	102.8	P
Sodium				25000.0	25778.07	103.1	25845.68	103.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

03234

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium				25000.0	25701.32	102.8	25241.40	101.0	P
Sodium				25000.0	25664.27	102.7	25294.80	101.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

6225

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium				25000.0	25399.71	101.6			P
Sodium				25000.0	25283.61	101.1			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: MB-36165

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

FIMS1_080502B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	-0.041	B	-0.036	B					-0.008	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: MB-36141

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

OPTIMA2_080505C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	37.0	U	37.0	U					2.376	B	
Antimony	4.4	U	4.4	U					0.150	U	
Arsenic	2.5	U	2.5	U					0.140	U	
Barium	11.0	U	11.0	U					0.100	U	
Beryllium	0.1	U	0.1	U					0.001	U	
Cadmium	0.1	U	0.3	B					0.007	U	
Calcium	99.0	U	99.0	U					7.400	U	
Chromium	0.2	U	0.6	B					0.076	B	
Cobalt	0.6	B	0.3	B					0.021	B	
Copper	4.2	B	4.1	B					0.812	B	
Iron	89.0	U	89.0	U					1.200	U	
Lead	1.3	B	2.0	B					0.060	B	
Magnesium	8.3	B	62.8	B					6.941	B	
Manganese	1.8	U	1.8	U					0.170	U	
Nickel	0.8	B	0.8	B					0.061	B	
Selenium	5.2	U	11.6	B					0.150	U	
Silver	1.2	U	1.2	U					0.115	B	
Thallium	-4.9	B	2.8	B					0.110	U	
Vanadium	0.4	U	0.4	U					0.042	U	
Zinc	9.0	B	7.5	B					1.248	B	

0228

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: MB-36141

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

OPTIMA3_080505H

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	46.4	B	36.0	U	36.8	B	49.1	B	2.207	B	
Sodium	64.0	U	64.0	U	64.0	U	177.1	B	4.771	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA3_080505H

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium			51.8	B	44.8	B	57.1	B			
Sodium			256.0	B	149.7	B	107.6	B			

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA3_080505H

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Potassium			50.5	B							
Sodium			84.6	B							

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA2 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found %R	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found %R	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	476000		482000	96.4	477000		486000	97.2
Antimony	0	600	8.0		573	95.5	5.0		577	96.2
Arsenic	0	100	4.0		97.8	97.8	0		92.1	92.1
Barium	0	500	7.0		490	98.0	7.0		492	98.4
Beryllium	0	500	0		476	95.2	0		478	95.6
Cadmium	0	1000	-1.0		881	88.1	0		878	87.8
Calcium	500000	500000	479000		484000	96.8	487000		487000	97.4
Chromium	0	500	1.0		458	91.6	1.0		457	91.4
Cobalt	0	500	1.0		443	88.6	1.0		446	89.2
Copper	0	500	1.0		485	97.0	-3.0		482	96.4
Iron	200000	200000	179000		180000	90.0	179000		182000	91.0
Lead	0	500	2.0		454	90.8	4.0		455	91.0
Magnesium	500000	500000	476000		480000	96.0	477000		484000	96.8
Manganese	0	500	9.0		477	95.4	9.0		480	96.0
Nickel	0	1000	4.0		876	87.6	4.0		883	88.3
Selenium	0	500	0		475	95.0	15.0		481	96.2
Silver	0	200	-1.0		209	104.5	-1.0		210	105.0
Thallium	0	100	1.0		82.3	82.3	8.0		84.1	84.1
Vanadium	0	500	2.0		473	94.6	2.0		474	94.8
Zinc	0	1000	-5.0		852	85.2	-8.0		850	85.0

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Potassium	0	25000	65.0		25600	102.4	69.0		25900	103.6
Sodium	0	25000	30.0		25200	100.8	60.0		25100	100.4

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Potassium	0	25000	71.0		25500	102.0	25.0		25500	102.0
Sodium	0	25000	467		25000	100.0	223		24700	98.8

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Potassium	0	25000	43.0		25700	102.8				
Sodium	0	25000	104		24800	99.2				

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-36141

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				455.0	449.9		364	546.0	98.9
Antimony				22.8	24.1		18.2	27.3	105.7
Arsenic				22.8	23.1		18.2	27.3	101.3
Barium				455.0	478.8		364	546.0	105.2
Beryllium				11.4	11.8		9.1	13.6	103.5
Cadmium				11.4	11.3		9.1	13.6	99.1
Calcium				1135.0	1142.5		908	1362.0	100.7
Chromium				45.5	46.1		36.4	54.6	101.3
Cobalt				113.5	116.2		90.8	136.2	102.4
Copper				56.5	59.3		45.2	67.8	105.0
Iron				227.5	228.5		182	273.0	100.4
Lead				22.8	23.5		18.2	27.3	103.1
Magnesium				1135.0	1148.2		908	1362.0	101.2
Manganese				113.5	120.2		90.8	136.2	105.9
Nickel				113.5	116.0		90.8	136.2	102.2
Potassium				1135.0	1166.1		908	1362.0	102.7
Selenium				22.8	22.0		18.2	27.3	96.5
Silver				56.5	59.6		42.4	67.8	105.5
Sodium				1135.0	1145.3		908	1362.0	100.9
Thallium				22.8	23.3		18.2	27.3	102.2
Vanadium				113.5	116.9		90.8	136.2	103.0
Zinc				113.5	116.7		90.8	136.2	102.8

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: LCS-36165

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury				0.8	0.8		0.6	0.9	100.0

0237

U.S. EPA - CLP

10

METHOD DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument Type: CV InstrumentID: FIMS1 Date: 03/01/2008

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRDL	MDL
Mercury	253.70	0.2	0.016

Comments:

U.S. EPA - CLP

10

METHOD DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument Type: CV InstrumentID: FIMS1 Date: 03/01/2008

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wavelength /Mass	CRDL	MDL
Mercury	253.70	0.03	0.0061

Comments:

U.S. EPA - CLP

10

METHOD DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument Type: P InstrumentID: OPTIMA2 Date: 08/24/2007

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRDL	MDL
Aluminum	308.21	200	37.0
Antimony	206.83	20	4.4
Arsenic	188.98	20	2.5
Barium	233.53	200	11.0
Beryllium	313.11	5.0	0.051
Cadmium	226.50	5.0	0.11
Calcium	227.54	800	99.0
Chromium	267.72	20	0.22
Cobalt	228.62	50	0.068
Copper	324.75	30	1.7
Iron	273.96	200	89.0
Lead	220.35	10	1.2
Magnesium	279.08	500	7.9
Manganese	257.61	50	1.8
Nickel	231.60	50	0.22
Selenium	196.03	30	5.2
Silver	328.07	30	1.2
Thallium	190.80	20	2.8
Vanadium	292.40	50	0.40
Zinc	206.20	50	3.3

Comments:

U.S. EPA - CLP

10

METHOD DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument Type: P InstrumentID: OPTIMA2 Date: 08/24/2007

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wavelength /Mass	CRDL	MDL
Aluminum	308.21	10	0.30
Antimony	206.83	1.0	0.15
Arsenic	188.98	1.0	0.14
Barium	233.53	10	0.10
Beryllium	313.11	0.25	0.0014
Cadmium	226.50	0.25	0.0070
Calcium	227.54	40	7.4
Chromium	267.72	1.0	0.010
Cobalt	228.62	2.5	0.013
Copper	324.75	1.5	0.094
Iron	273.96	10	1.2
Lead	220.35	0.50	0.037
Magnesium	279.08	25	0.27
Manganese	257.61	2.5	0.17
Nickel	231.60	2.5	0.012
Selenium	196.03	1.5	0.15
Silver	328.07	1.5	0.047
Thallium	190.80	1.0	0.11
Vanadium	292.40	2.5	0.042
Zinc	206.20	2.5	0.052

Comments:

U.S. EPA - CLP

10

METHOD DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument Type: P InstrumentID: OPTIMA3 Date: 08/24/2007

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRDL	MDL
Potassium	766.49	1000	36.0
Sodium	589.59	1000	64.0

Comments:

0242

U.S. EPA - CLP

10

METHOD DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument Type: P InstrumentID: OPTIMA3 Date: 08/24/2007

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wavelength /Mass	CRDL	MDL
Potassium	766.49	50	1.5
Sodium	589.59	50	1.0

Comments:

U.S. EPA - CLP

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA2 Date: 03/14/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.2375550	0.0000000	0.0000000	3.2150000
Antimony	206.83	-0.0132016	-0.0021288	0.0432590	0.0121852	6.3832400
Arsenic	188.97	-0.0263320	-0.0172494	-0.2537380	-0.0594029	-4.0483800
Barium	233.52	0.0046890	0.0000000	0.0057861	0.0026877	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	-0.0267872	0.0000000	0.0000000
Calcium	227.54	-0.2784920		52.9409000	0.2179250	3.3533500
Chromium	267.71	0.0059246	0.0000000	0.0000000	0.0000000	
Cobalt	228.61	-0.0087398	0.0000000	-0.1310810	0.0033580	-0.1673450
Copper	324.75	0.0000000	0.0000000	-0.1355700	0.0000000	-0.0850416
Iron	273.95	0.0000000	0.0000000		0.1270650	0.0000000
Lead	220.35	-0.0456843	-0.0176735	0.1772480	0.0039302	0.0000000
Magnesium	279.07	-0.1491310	-0.1384240	-3.7123900		0.0000000
Manganese	257.61	0.0021732	0.0000000	0.0305260	-0.0394293	0.0000000
Nickel	231.60	0.0000000	0.0000000	-0.0231088	0.0000000	0.0000000
Selenium	196.02	-0.1414620	0.0458963	-0.2006340	0.0170265	-0.1478230
Silver	328.06	0.0000000	0.0052768	0.7073450	0.0047259	0.0000000
Sodium	330.24	0.0000000	1.5527700	0.6199090	0.6499500	0.0000000
Thallium	190.80	-0.0125369	0.0180613	0.0248947	-0.0081406	0.1872550
Titanium	334.94		-0.0119298	0.0000000	0.0000000	0.3710220
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0089782	-1.2854200
Zinc	206.20	0.0034965	0.0000000	-0.0363335	0.0132810	-2.3101100

Comments:

U.S. EPA - CLP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA2 Date: 03/14/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	0.0000000	8.1411800	6.7208700	6.5772600
Antimony	206.83	0.0000000	0.0000000	-0.0458288	0.0000000	-0.7926700
Arsenic	188.97	-0.0539473	0.0683778	0.0000000	0.0000000	-0.3725880
Barium	233.52	0.0000000	0.0000000	0.1034180	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.6721000
Cadmium	226.50	0.0000000	0.0000000	-0.1469150	0.0000000	0.0000000
Calcium	227.54	13.5771000	-2.9166700	37.5888000	0.0000000	0.0000000
Chromium	267.71	0.3793710	0.8159140	0.0459105	0.0000000	0.2450950
Cobalt	228.61	0.0000000	0.0000000	0.0000000	0.0000000	1.8178000
Copper	324.75		1.2752600	0.1550150	0.0967299	0.3569220
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	-1.2658100	0.2626920	-0.0974433	0.0000000	-0.2980090
Magnesium	279.07	-2.3857600	-8.9782200	-1.5220200	-3.1866200	-9.5810400
Manganese	257.61	0.0000000		0.0583828	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000		0.4494280	1.6124100
Selenium	196.02	-0.1040760	0.4721750	0.0000000	-0.1525040	-0.1947610
Silver	328.06	0.0000000	0.0501513	0.0000000	0.0000000	0.0000000
Sodium	330.24	6.1480800	5.0930700	0.0000000	0.0000000	-694.6540000
Thallium	190.80	0.0000000	-3.8430400	0.0000000		0.0000000
Titanium	334.94	0.0000000	0.0000000	0.0000000	0.0650746	0.0000000
Vanadium	292.40	0.0000000	-0.0933697	0.0199540	0.0000000	1.5027000
Zinc	206.20	0.0000000	0.0000000	-0.0273626	-0.0607615	-0.1385380

Comments:

U.S. EPA - CLP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA2 Date: 03/14/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	___	___	___	___
Aluminum	308.21	6.5322100				
Antimony	206.83	-1.1156800				
Arsenic	188.97	-0.0604549				
Barium	233.52	-0.0461619				
Beryllium	313.10	-0.0250788				
Cadmium	226.50	0.0000000				
Calcium	227.54	49.9603000				
Chromium	267.71	-0.4658270				
Cobalt	228.61	0.0000000				
Copper	324.75	0.0000000				
Iron	273.95	26.8679000				
Lead	220.35	-0.0514275				
Magnesium	279.07	-2.6902300				
Manganese	257.61	0.0000000				
Nickel	231.60	0.1921680				
Selenium	196.02	0.3664840				
Silver	328.06	-0.7174260				
Sodium	330.24	0.0000000				
Thallium	190.80	0.9163720				
Titanium	334.94	0.0000000				
Vanadium	292.40					
Zinc	206.20	0.0000000				

Comments:

U.S. EPA - CLP

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA3 Date: 03/18/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.1463890	0.0000000	0.1250480	0.0000000
Antimony	206.83	0.0284485	0.0000000	0.0146328	0.0000000	16.5021000
Arsenic	188.97	0.0041250	-0.0121500	-0.0272327	0.0000000	-4.0957700
Barium	233.52	0.0000000	0.0000000	0.0091469	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0482565	0.0000000	0.0000000
Calcium	227.54	-0.7444200		-18.0383000	0.3311640	-19.3611000
Chromium	267.71	0.0060345	0.0000000	-0.0068454	0.0000000	
Cobalt	228.61	0.0000000	0.0000000	0.0073351	0.0000000	-0.0785068
Copper	324.75	0.0035409	0.0021222	-0.0536815	0.0000000	-0.0830119
Iron	273.95	0.0000000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.0436146	0.0000000	0.0276468	0.0000000	-0.0511922
Magnesium	279.07	0.0000000	0.0000000	0.0000000		3.5444100
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0040820	0.0000000
Nickel	231.60	0.0000000	0.0022537	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0157019	0.0000000	-0.2668550	-0.0083858	-0.0928054
Silver	328.06	0.0025057	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.24	0.0000000	1.3577500	0.7287780	0.0000000	0.0000000
Thallium	190.80	-0.0039579	0.0000000	-0.0649260	0.0000000	0.2323670
Titanium	334.94	0.0000000	-0.0054591	0.0000000	0.0000000	0.2217030
Vanadium	292.40	0.0000000	0.0000000	-0.0357407	0.0000000	-1.4494900
Zinc	206.20	0.0034870	0.0022978	-0.0149124	0.0000000	-2.0583900

Comments:

U.S. EPA - CLP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA3 Date: 03/18/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.1569590	0.0682514	-0.0978051	0.0819325	-0.5778010
Arsenic	188.97	0.0000000	0.0000000	0.0000000	0.0000000	-0.4229300
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.3990600
Cadmium	226.50	0.0000000	0.0000000	-0.2430520	0.0000000	0.0000000
Calcium	227.54	3.3752700	0.0000000	53.8600000	0.0000000	5.2493600
Chromium	267.71	0.0000000	0.5986110	0.0000000	0.0000000	0.0000000
Cobalt	228.61	0.0000000	0.0000000	0.1095530	0.0000000	2.1784600
Copper	324.75		0.1483320	0.0000000	0.0000000	0.0000000
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.3400120	0.1844940	-0.0978051	0.0000000	-0.5966450
Magnesium	279.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000		0.0966503	0.0699456	0.1750040
Nickel	231.60	0.3689290	0.0000000		0.5493440	2.0019800
Selenium	196.02	-0.0439089	1.0794300	0.0000000	0.2520580	0.2539150
Silver	328.06	0.0000000	0.1705500	0.0000000	0.0000000	0.0000000
Sodium	330.24	0.0000000	0.0000000	0.0000000	0.0000000	1113.3000000
Thallium	190.80	-0.0458225	-0.4765770	0.0000000		0.4740270
Titanium	334.94	0.0000000	0.0000000	0.0000000	0.0949569	
Vanadium	292.40	0.3424820	-0.0502171	0.0000000	0.0000000	0.3916700
Zinc	206.20	0.0000000	0.0986130	0.0000000	0.0000000	0.0000000

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA3 Date: 03/18/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	___	___	___	___
Aluminum	308.21	4.6268300				
Antimony	206.83	-1.0816900				
Arsenic	188.97	0.0972847				
Barium	233.52	-1.0960300				
Beryllium	313.10	-0.0340052				
Cadmium	226.50	0.0000000				
Calcium	227.54	53.3068000				
Chromium	267.71	-0.3226560				
Cobalt	228.61	0.0000000				
Copper	324.75	-0.0427549				
Iron	273.95	0.0000000				
Lead	220.35	-0.0678836				
Magnesium	279.07	0.0000000				
Manganese	257.61	0.0221315				
Nickel	231.60	0.1573630				
Selenium	196.02	-0.2281680				
Silver	328.06	-0.2063570				
Sodium	330.24	0.0000000				
Thallium	190.80	2.1152300				
Titanium	334.94	0.0000000				
Vanadium	292.40					
Zinc	206.20	0.0294057				

Comments:

ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA3 Date: 05/01/2008

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Potassium	0.20	250000	P
Sodium	0.20	250000	P

Comments:

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

ICP ID Number: OPTIMA2 Date: 03/14/2008

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	0.20	500000	P
Antimony	0.20	50000	P
Arsenic	0.20	50000	P
Barium	0.20	50000	P
Beryllium	0.20	1000	P
Cadmium	0.20	25000	P
Calcium	0.20	500000	P
Chromium	0.20	50000	P
Cobalt	0.20	50000	P
Copper	0.20	50000	P
Iron	0.20	300000	P
Lead	0.20	100000	P
Magnesium	0.20	500000	P
Manganese	0.20	25000	P
Nickel	0.20	50000	P
Selenium	0.20	50000	P
Silver	0.20	2500	P
Thallium	0.20	50000	P
Vanadium	0.20	50000	P
Zinc	0.20	25000	P

Comments:

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PREPARATION LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Method: P Batch ID: 36141

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
130173-MW-2-10-12	04/30/2008	1.83	50
LCSS	04/30/2008	1.00	50
PBS	04/30/2008	1.00	50

Comments:

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PREPARATION LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Preparation Method: CV Batch ID: 36165

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
CCB	05/01/2008	0.60	100
CCV	05/01/2008	0.60	100
ICB	05/01/2008	0.60	100
ICV	05/01/2008	0.60	100
S0	05/01/2008	0.60	100
S0.2	05/01/2008	0.60	100
S1.0	05/01/2008	0.60	100
S10.0	05/01/2008	0.60	100
S2.0	05/01/2008	0.60	100
S5.0	05/01/2008	0.60	100
130173-MW-2-10-12	05/01/2008	0.74	100
LCSS	05/01/2008	0.60	100
PBS	05/01/2008	0.60	100

Comments:

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID Number: FIMS1 Method: CV

Start Date: 05/02/2008 End Date: 05/02/2008

FIMS1_080502B

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1104																X									
S0.2	1.0	1105																X									
S1.0	1.0	1107																X									
S2.0	1.0	1108																X									
S5.0	1.0	1110																X									
S10.0	1.0	1111																X									
ICV	1.0	1112																X									
ICB	1.0	1114																X									
PBS	1.0	1115																X									
LCSS	1.0	1116																X									
130173-MW-2-10-12	1.0	1118																X									
ZZZZZZ	1.0	1119																									
ZZZZZZ	1.0	1120																									
ZZZZZZ	1.0	1121																									
ZZZZZZ	1.0	1123																									
ZZZZZZ	1.0	1124																									
CCV	1.0	1125																X									
CCB	1.0	1127																X									

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID Number: OPTIMA2 Method: P

Start Date: 05/05/2008 End Date: 05/05/2008

OPTIMA2_080505C

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1307		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
S1	1.0	1309		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
S2	1.0	1312		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
S3	1.0	1315		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICV	1.0	1318		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICB	1.0	1321		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSA	1.0	1323		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.0	1326		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
PBS	1.0	1329		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
LCSS	1.0	1332		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.0	1335																									
130173-MW-2-10-12	1.0	1337		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSA	1.0	1340		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.0	1343		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.0	1346		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.0	1349		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID Number: OPTIMA3 Method: P

Start Date: 05/05/2008 End Date: 05/05/2008

OPTIMA3_080505H

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0933																		X			X				
S1	1.0	0935																		X			X				
S2	1.0	0937																		X			X				
S3	1.0	0940																		X			X				
ICV	1.0	0942																		X			X				
ICB	1.0	0944																		X			X				
ICSA	1.0	0947																		X			X				
ICSAB	1.0	0949																		X			X				
ZZZZZZ	1.0	0951																										
ZZZZZZ	1.0	0954																										
ZZZZZZ	1.0	0956																										
ZZZZZZ	1.0	0958																										
ZZZZZZ	1.0	1001																										
ZZZZZZ	5.0	1003																										
ZZZZZZ	1.0	1005																										
CCV	1.0	1008																		X			X				
CCB	1.0	1010																		X			X				
ZZZZZZ	1.0	1012																										
ZZZZZZ	1.0	1015																										
ZZZZZZ	1.0	1017																										
ZZZZZZ	1.0	1020																										
ICSA	1.0	1022																		X			X				
ICSAB	1.0	1024																		X			X				
CCV	1.0	1026																		X			X				
CCB	1.0	1029																		X			X				
ZZZZZZ	1.0	1031																										
ZZZZZZ	1.0	1033																										
ZZZZZZ	1.0	1036																										
ZZZZZZ	1.0	1038																										
ZZZZZZ	1.0	1040																										
ZZZZZZ	5.0	1043																										
ZZZZZZ	1.0	1045																										

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID Number: OPTIMA3 Method: P

Start Date: 05/05/2008 End Date: 05/05/2008

OPTIMA3_080505H

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.0	1048																		X			X				
CCB	1.0	1050																		X			X				
ZZZZZZ	1.0	1052																										
ZZZZZZ	1.0	1055																										
ZZZZZZ	1.0	1057																										
ZZZZZZ	1.0	1059																										
ZZZZZZ	1.0	1102																										
ZZZZZZ	1.0	1104																										
ZZZZZZ	1.0	1107																										
ICSA	1.0	1109																		X			X				
ICSAB	1.0	1112																		X			X				
CCV	1.0	1114																		X			X				
CCB	1.0	1116																		X			X				
ZZZZZZ	10.0	1119																										
ZZZZZZ	1.0	1121																										
ZZZZZZ	1.0	1123																										
ZZZZZZ	1.0	1126																										
ZZZZZZ	1.0	1128																										
ZZZZZZ	1.0	1130																										
ICSA	1.0	1133																		X			X				
ICSAB	1.0	1135																		X			X				
CCV	1.0	1137																		X			X				
CCB	1.0	1140																		X			X				
PBS	1.0	1142																		X			X				
LCSS	1.0	1144																		X			X				
ZZZZZZ	1.0	1147																										
130173-MW-2-10-12	1.0	1149																		X			X				
ZZZZZZ	1.0	1151																										
ZZZZZZ	1.0	1154																										
ZZZZZZ	1.0	1156																										
CCV	1.0	1158																		X			X				

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0580

Instrument ID Number: OPTIMA3 Method: P

Start Date: 05/05/2008 End Date: 05/05/2008

OPTIMA3_080505H

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.0	1201																		X			X				
ZZZZZZ	1.0	1203																									
ZZZZZZ	1.0	1205																									
ZZZZZZ	1.0	1208																									
ZZZZZZ	1.0	1210																									
ZZZZZZ	1.0	1212																									
ZZZZZZ	5.0	1215																									
ICSA	1.0	1217																		X			X				
ICSAB	1.0	1219																		X			X				
CCV	1.0	1222																		X			X				
CCB	1.0	1224																		X			X				

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Instrument Raw Data

- [x] ICP
- [x] Mercury
- [ ] Cyanide

Reprocessing Begun
Logged In Analyst: optima2 Technique: ICP Continuous

Results Data Set (original): A08050503
Results Library (original): C:\pe\optima2\Results\Results.mdb
Results Data Set (reprocessed): A08050503A
Results Library (reprocessed): C:\pe\optima2\Results\Results.mdb

Sequence No.: 1
Sample ID: S0
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/5/2008 1:07:07 PM
Data Type: Reprocessed on 5/6/2008 9:03:50 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Ag 328.068	-122.5	91.58	74.75%	[0.00]	mg/L
Al 308.215	10280.8	154.07	1.50%	[0.00]	mg/L
As 188.979	-14.8	0.12	0.84%	[0.00]	mg/L
Ba 233.527	379.8	0.54	0.14%	[0.00]	mg/L
Be 313.107	-1422.8	35.84	2.52%	[0.00]	mg/L
Co 228.616	-647.9	1.05	0.16%	[0.00]	mg/L
Cr 267.716	928.7	17.97	1.94%	[0.00]	mg/L
Cu 324.752	201.6	22.52	11.17%	[0.00]	mg/L
Fe 273.955	3149.0	32.56	1.03%	[0.00]	mg/L
Mg 279.077	-11044.2	21.58	0.20%	[0.00]	mg/L
Mn 257.610	1548.6	4.04	0.26%	[0.00]	mg/L
Ni 231.604	-382.3	6.76	1.77%	[0.00]	mg/L
Pb 220.353	26.2	2.69	10.27%	[0.00]	mg/L
Sb 206.836	50.6	3.12	6.17%	[0.00]	mg/L
Se 196.026	-13.7	0.84	6.08%	[0.00]	mg/L
Tl 190.801	-10.1	0.46	4.49%	[0.00]	mg/L
V 292.402	1762.0	19.31	1.10%	[0.00]	mg/L
Zn 206.200	72.2	3.19	4.42%	[0.00]	mg/L
Na 330.237	1463.9	343.89	23.49%	[0.00]	mg/L
Cd 226.502	-305.4	1.62	0.53%	[0.00]	mg/L
Ti 334.940	-689.2	24.77	3.59%	[0.00]	mg/L
Ca 227.546	187.5	0.77	0.41%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/5/2008 1:09:50 PM
Data Type: Reprocessed on 5/6/2008 9:03:50 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Ag 328.068	573208.6	6053.59	1.06%	[2.5]	mg/L
Al 308.215	454871.6	2216.44	0.49%	[20]	mg/L
As 188.979	875.3	9.12	1.04%	[1]	mg/L
Ba 233.527	1034036.0	8696.96	0.84%	[20]	mg/L
Be 313.107	1896631.9	17104.14	0.90%	[0.5]	mg/L
Co 228.616	95350.6	527.10	0.55%	[5]	mg/L
Cr 267.716	215789.3	697.31	0.32%	[2]	mg/L
Cu 324.752	438404.7	5400.98	1.23%	[2.5]	mg/L
Fe 273.955	263064.4	1447.06	0.55%	[10]	mg/L
Mg 279.077	636190.5	3177.54	0.50%	[50]	mg/L
Mn 257.610	1808062.8	17564.49	0.97%	[5]	mg/L
Ni 231.604	252343.1	1275.35	0.51%	[5]	mg/L
Pb 220.353	7859.6	52.86	0.67%	[1]	mg/L
Sb 206.836	2084.7	5.78	0.28%	[1]	mg/L

Se 196.026	799.6	9.36	1.17%	[1] mg/L
Tl 190.801	650.6	3.63	0.56%	[1] mg/L
V 292.402	833109.8	7171.65	0.86%	[5] mg/L
Zn 206.200	141615.4	293.08	0.21%	[5] mg/L
Na 330.237	45690.0	337.46	0.74%	[50] mg/L
Cd 226.502	53295.0	29.31	0.05%	[0.5] mg/L
Ti 334.940	696282.1	6546.74	0.94%	[1] mg/L
Ca 227.546	15176.3	47.50	0.31%	[50] mg/L

Sequence No.: 3
Sample ID: S2
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 5/5/2008 1:12:43 PM
Data Type: Reprocessed on 5/6/2008 9:03:56 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: S2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	290505.1	2557.98	0.88%	[1.25]	mg/L
Al 308.215	224354.3	1274.04	0.57%	[10]	mg/L
As 188.979	436.6	4.69	1.07%	[0.5]	mg/L
Ba 233.527	538771.4	6055.90	1.12%	[10]	mg/L
Be 313.107	970156.6	9409.65	0.97%	[0.25]	mg/L
Co 228.616	48355.5	312.88	0.65%	[2.5]	mg/L
Cr 267.716	108604.6	862.77	0.79%	[1]	mg/L
Cu 324.752	224010.4	2926.75	1.31%	[1.25]	mg/L
Fe 273.955	132898.9	740.78	0.56%	[5]	mg/L
Mg 279.077	318913.8	1895.78	0.59%	[25]	mg/L
Mn 257.610	933431.6	6844.79	0.73%	[2.5]	mg/L
Ni 231.604	128176.2	839.23	0.65%	[2.5]	mg/L
Pb 220.353	4036.8	13.35	0.33%	[0.5]	mg/L
Sb 206.836	1058.5	5.86	0.55%	[0.5]	mg/L
Se 196.026	410.7	1.57	0.38%	[0.5]	mg/L
Tl 190.801	331.0	0.14	0.04%	[0.5]	mg/L
V 292.402	425406.6	3797.08	0.89%	[2.5]	mg/L
Zn 206.200	72862.8	468.21	0.64%	[2.5]	mg/L
Na 330.237	21538.1	112.47	0.52%	[25]	mg/L
Cd 226.502	27051.7	157.39	0.58%	[0.25]	mg/L
Ti 334.940	355159.0	3731.20	1.05%	[0.5]	mg/L
Ca 227.546	7614.2	54.06	0.71%	[25]	mg/L

Sequence No.: 4
Sample ID: S3
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 5/5/2008 1:15:33 PM
Data Type: Reprocessed on 5/6/2008 9:03:57 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: S3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	6006.7	64.54	1.07%	[0.025]	mg/L
Al 308.215	4406.8	73.79	1.67%	[0.2]	mg/L
As 188.979	9.8	4.00	40.77%	[0.01]	mg/L
Ba 233.527	11204.8	16.80	0.15%	[0.2]	mg/L
Be 313.107	19466.8	39.64	0.20%	[0.005]	mg/L
Co 228.616	1010.8	11.72	1.16%	[0.05]	mg/L
Cr 267.716	2180.2	27.45	1.26%	[0.02]	mg/L
Cu 324.752	5454.7	29.73	0.55%	[0.025]	mg/L
Fe 273.955	2643.8	1.18	0.04%	[0.1]	mg/L
Mg 279.077	6452.3	47.69	0.74%	[0.5]	mg/L
Mn 257.610	19380.3	126.74	0.65%	[0.05]	mg/L
Ni 231.604	2722.4	7.99	0.29%	[0.05]	mg/L
Pb 220.353	99.7	7.19	7.21%	[0.01]	mg/L
Sb 206.836	17.9	2.70	15.13%	[0.01]	mg/L
Se 196.026	11.8	4.98	42.19%	[0.01]	mg/L

Tl 190.801	1.2	5.61	458.63%	[0.01] mg/L
V 292.402	8539.1	29.67	0.35%	[0.05] mg/L
Zn 206.200	1905.9	43.53	2.28%	[0.05] mg/L
Na 330.237	273.9	279.63	102.08%	[0.5] mg/L
Cd 226.502	551.3	4.65	0.84%	[0.005] mg/L
Ti 334.940	7182.3	23.93	0.33%	[0.01] mg/L
Ca 227.546	146.5	8.52	5.81%	[0.5] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin Thru 0	0.0	229900	0.00000	0.999985	
Al 308.215	3	Lin Thru 0	0.0	22680	0.00000	0.999985	
As 188.979	3	Lin Thru 0	0.0	874.9	0.00000	0.999999	
Ba 233.527	3	Lin Thru 0	0.0	52140	0.00000	0.999861	
Be 313.107	3	Lin Thru 0	0.0	3811000	0.00000	0.999958	
Co 228.616	3	Lin Thru 0	0.0	19120	0.00000	0.999984	
Cr 267.716	3	Lin Thru 0	0.0	108000	0.00000	0.999997	
Cu 324.752	3	Lin Thru 0	0.0	176100	0.00000	0.999960	
Fe 273.955	3	Lin Thru 0	0.0	26360	0.00000	0.999991	
Mg 279.077	3	Lin Thru 0	0.0	12730	0.00000	0.999999	
Mn 257.610	3	Lin Thru 0	0.0	364000	0.00000	0.999916	
Ni 231.604	3	Lin Thru 0	0.0	50630	0.00000	0.999980	
Pb 220.353	3	Lin Thru 0	0.0	7903	0.00000	0.999939	
Sb 206.836	3	Lin Thru 0	0.0	2091	0.00000	0.999980	
Se 196.026	3	Lin Thru 0	0.0	804.0	0.00000	0.999933	
Tl 190.801	3	Lin Thru 0	0.0	652.9	0.00000	0.999949	
V 292.402	3	Lin Thru 0	0.0	167300	0.00000	0.999964	
Zn 206.200	3	Lin Thru 0	0.0	28490	0.00000	0.999929	
Na 330.237	3	Lin Thru 0	0.0	903.3	0.00000	0.999726	
Cd 226.502	3	Lin Thru 0	0.0	106900	0.00000	0.999982	
Ti 334.940	3	Lin Thru 0	0.0	699100	0.00000	0.999968	
Ca 227.546	3	Lin Thru 0	0.0	303.7	0.00000	0.999999	

Sequence No.: 5
Sample ID: ICV
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/5/2008 1:18:17 PM
Data Type: Reprocessed on 5/6/2008 9:03:58 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	282115.4	1.2287	mg/L	0.02043	1.2287	mg/L	0.02043	1.66%
Al 308.215	220678.5	9.6801	mg/L	0.20246	9.6801	mg/L	0.20246	2.09%
As 188.979	435.6	0.5031	mg/L	0.00410	0.5031	mg/L	0.00410	0.82%
Ba 233.527	541729.8	10.391	mg/L	0.1141	10.391	mg/L	0.1141	1.10%
Be 313.107	963584.0	0.2529	mg/L	0.00243	0.2529	mg/L	0.00243	0.96%
Co 228.616	47946.7	2.5076	mg/L	0.05397	2.5076	mg/L	0.05397	2.15%
Cr 267.716	106977.0	0.9886	mg/L	0.01600	0.9886	mg/L	0.01600	1.62%
Cu 324.752	222559.1	1.2604	mg/L	0.01282	1.2604	mg/L	0.01282	1.02%
Fe 273.955	130756.1	4.8901	mg/L	0.10270	4.8901	mg/L	0.10270	2.10%
Mg 279.077	316995.0	24.954	mg/L	0.5106	24.954	mg/L	0.5106	2.05%
Mn 257.610	919469.9	2.5257	mg/L	0.04191	2.5257	mg/L	0.04191	1.66%
Ni 231.604	126149.7	2.4909	mg/L	0.04813	2.4909	mg/L	0.04813	1.93%
Pb 220.353	3987.0	0.5067	mg/L	0.00237	0.5067	mg/L	0.00237	0.47%
Sb 206.836	1062.1	0.5041	mg/L	0.00356	0.5041	mg/L	0.00356	0.71%
Se 196.026	400.7	0.4999	mg/L	0.00537	0.4999	mg/L	0.00537	1.07%
Tl 190.801	324.7	0.5053	mg/L	0.00309	0.5053	mg/L	0.00309	0.61%
V 292.402	419645.0	2.5096	mg/L	0.02464	2.5096	mg/L	0.02464	0.98%
Zn 206.200	70946.7	2.4928	mg/L	0.04266	2.4928	mg/L	0.04266	1.71%
Na 330.237	22030.6	24.340	mg/L	0.4838	24.340	mg/L	0.4838	1.99%
Cd 226.502	26527.5	0.2483	mg/L	0.00352	0.2483	mg/L	0.00352	1.42%
Ti 334.940	-36.4	-0.0002	mg/L	0.00013	-0.0002	mg/L	0.00013	83.24%
Ca 227.546	7598.5	24.692	mg/L	0.0327	24.692	mg/L	0.0327	0.13%

Sequence No.: 6
Sample ID: ICB
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/5/2008 1:21:09 PM
Data Type: Reprocessed on 5/6/2008 9:03:59 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	90.2	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	18.09%
Al 308.215	-113.9	-0.0050	mg/L	0.00194	-0.0050	mg/L	0.00194	38.92%
As 188.979	-0.8	-0.0009	mg/L	0.00061	-0.0009	mg/L	0.00061	64.74%
Ba 233.527	50.9	0.0010	mg/L	0.00015	0.0010	mg/L	0.00015	15.67%
Be 313.107	126.2	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	39.19%
Co 228.616	11.5	0.0006	mg/L	0.00002	0.0006	mg/L	0.00002	3.88%
Cr 267.716	20.2	0.0002	mg/L	0.00063	0.0002	mg/L	0.00063	339.04%
Cu 324.752	744.3	0.0042	mg/L	0.00033	0.0042	mg/L	0.00033	7.85%
Fe 273.955	-41.2	-0.0016	mg/L	0.00036	-0.0016	mg/L	0.00036	22.89%
Mg 279.077	105.4	0.0083	mg/L	0.00742	0.0083	mg/L	0.00742	89.69%
Mn 257.610	98.1	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	26.71%
Ni 231.604	38.9	0.0008	mg/L	0.00003	0.0008	mg/L	0.00003	3.88%
Pb 220.353	10.4	0.0013	mg/L	0.00054	0.0013	mg/L	0.00054	40.90%
Sb 206.836	2.3	0.0011	mg/L	0.00052	0.0011	mg/L	0.00052	47.31%
Se 196.026	-2.9	-0.0036	mg/L	0.00485	-0.0036	mg/L	0.00485	135.86%
Tl 190.801	-3.2	-0.0049	mg/L	0.00570	-0.0049	mg/L	0.00570	116.10%
V 292.402	3.1	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	409.17%
Zn 206.200	257.3	0.0090	mg/L	0.00110	0.0090	mg/L	0.00110	12.19%
Na 330.237	-27.4	-0.0303	mg/L	0.00428	-0.0303	mg/L	0.00428	14.12%
Cd 226.502	1.5	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	104.56%
Ti 334.940	42.7	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	77.92%
Ca 227.546	-4.5	-0.0148	mg/L	0.01132	-0.0148	mg/L	0.01132	76.74%

Sequence No.: 7
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/5/2008 1:23:55 PM
Data Type: Reprocessed on 5/6/2008 9:04:00 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	177.0	-0.0010	mg/L	0.00010	-0.0010	mg/L	0.00010	9.59%
Al 308.215	10805257.4	476.27	mg/L	5.829	476.27	mg/L	5.829	1.22%
As 188.979	-27.7	0.0038	mg/L	0.00280	0.0038	mg/L	0.00280	74.50%
Ba 233.527	-121.5	0.0071	mg/L	0.00044	0.0071	mg/L	0.00044	6.15%
Be 313.107	-78.9	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	25.29%
Co 228.616	-210.6	0.0009	mg/L	0.00026	0.0009	mg/L	0.00026	28.30%
Cr 267.716	367.0	0.0005	mg/L	0.00021	0.0005	mg/L	0.00021	39.55%
Cu 324.752	-2278.5	0.0008	mg/L	0.00035	0.0008	mg/L	0.00035	46.20%
Fe 273.955	4712298.9	178.71	mg/L	1.962	178.71	mg/L	1.962	1.10%
Mg 279.077	6049589.3	475.74	mg/L	5.181	475.74	mg/L	5.181	1.09%
Mn 257.610	7701.1	0.0087	mg/L	0.00005	0.0087	mg/L	0.00005	0.52%
Ni 231.604	185.8	0.0037	mg/L	0.00016	0.0037	mg/L	0.00016	4.48%
Pb 220.353	-218.3	0.0021	mg/L	0.00146	0.0021	mg/L	0.00146	70.79%
Sb 206.836	38.2	0.0081	mg/L	0.00011	0.0081	mg/L	0.00011	1.38%
Se 196.026	-107.3	0.0001	mg/L	0.01227	0.0001	mg/L	0.01227	>999.9%
Tl 190.801	-16.1	0.0007	mg/L	0.00892	0.0007	mg/L	0.00892	>999.9%
V 292.402	-1192.0	0.0016	mg/L	0.00017	0.0016	mg/L	0.00017	10.30%
Zn 206.200	-150.3	-0.0053	mg/L	0.00003	-0.0053	mg/L	0.00003	0.53%
Na 330.237	478.7	0.0609	mg/L	0.00034	0.0609	mg/L	0.00034	0.55%
Cd 226.502	428.9	-0.0014	mg/L	0.00037	-0.0014	mg/L	0.00037	27.43%
Ti 334.940	3295.5	0.0105	mg/L	0.00014	0.0105	mg/L	0.00014	1.29%
Ca 227.546	146368.2	478.58	mg/L	1.202	478.58	mg/L	1.202	0.25%

Sequence No.: 8

Autosampler Location: 6

Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Date Collected: 5/5/2008 1:26:50 PM
Data Type: Reprocessed on 5/6/2008 9:04:01 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ag 328.068	48379.8	0.2089	mg/L	0.00104	0.2089	mg/L	0.00104	0.50%
Al 308.215	10940149.9	482.20	mg/L	7.015	482.20	mg/L	7.015	1.45%
As 188.979	52.7	0.0978	mg/L	0.00003	0.0978	mg/L	0.00003	0.03%
Ba 233.527	25068.1	0.4903	mg/L	0.00142	0.4903	mg/L	0.00142	0.29%
Be 313.107	1813680.9	0.4760	mg/L	0.00574	0.4760	mg/L	0.00574	1.21%
Co 228.616	8234.4	0.4427	mg/L	0.00061	0.4427	mg/L	0.00061	0.14%
Cr 267.716	49833.8	0.4580	mg/L	0.00050	0.4580	mg/L	0.00050	0.11%
Cu 324.752	83081.1	0.4848	mg/L	0.00065	0.4848	mg/L	0.00065	0.13%
Fe 273.955	4751742.3	180.19	mg/L	2.246	180.19	mg/L	2.246	1.25%
Mg 279.077	6102509.0	479.91	mg/L	5.978	479.91	mg/L	5.978	1.25%
Mn 257.610	178141.6	0.4768	mg/L	0.00305	0.4768	mg/L	0.00305	0.64%
Ni 231.604	44331.8	0.8755	mg/L	0.00589	0.8755	mg/L	0.00589	0.67%
Pb 220.353	3349.1	0.4545	mg/L	0.00391	0.4545	mg/L	0.00391	0.86%
Sb 206.836	1223.8	0.5727	mg/L	0.00177	0.5727	mg/L	0.00177	0.31%
Se 196.026	273.5	0.4749	mg/L	0.00249	0.4749	mg/L	0.00249	0.52%
Tl 190.801	36.2	0.0823	mg/L	0.00033	0.0823	mg/L	0.00033	0.40%
V 292.402	77577.7	0.4731	mg/L	0.00102	0.4731	mg/L	0.00102	0.22%
Zn 206.200	24242.3	0.8521	mg/L	0.00541	0.8521	mg/L	0.00541	0.64%
Na 330.237	25431.4	27.673	mg/L	0.2013	27.673	mg/L	0.2013	0.73%
Cd 226.502	94729.4	0.8808	mg/L	0.00036	0.8808	mg/L	0.00036	0.04%
Ti 334.940	3547.8	0.0107	mg/L	0.00008	0.0107	mg/L	0.00008	0.74%
Ca 227.546	148129.1	484.29	mg/L	2.184	484.29	mg/L	2.184	0.45%

Sequence No.: 9
Sample ID: MB-36141,36141
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 5/5/2008 1:29:46 PM
Data Type: Reprocessed on 5/6/2008 9:04:01 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-36141,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ag 328.068	529.9	0.0023	mg/L	0.00004	0.0023	mg/L	0.00004	1.62%
Al 308.215	1078.3	0.0475	mg/L	0.02114	0.0475	mg/L	0.02114	44.48%
As 188.979	0.6	0.0007	mg/L	0.00163	0.0007	mg/L	0.00163	219.13%
Ba 233.527	81.7	0.0016	mg/L	0.00003	0.0016	mg/L	0.00003	2.05%
Be 313.107	182.6	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	79.99%
Co 228.616	7.8	0.0004	mg/L	0.00015	0.0004	mg/L	0.00015	36.93%
Cr 267.716	164.2	0.0015	mg/L	0.00033	0.0015	mg/L	0.00033	22.03%
Cu 324.752	2860.4	0.0162	mg/L	0.00303	0.0162	mg/L	0.00303	18.65%
Fe 273.955	665.5	0.0252	mg/L	0.00682	0.0252	mg/L	0.00682	27.03%
Mg 279.077	1765.8	0.1388	mg/L	0.03529	0.1388	mg/L	0.03529	25.42%
Mn 257.610	430.3	0.0012	mg/L	0.00002	0.0012	mg/L	0.00002	1.33%
Ni 231.604	61.7	0.0012	mg/L	0.00013	0.0012	mg/L	0.00013	10.61%
Pb 220.353	9.3	0.0012	mg/L	0.00076	0.0012	mg/L	0.00076	62.77%
Sb 206.836	8.8	0.0042	mg/L	0.00291	0.0042	mg/L	0.00291	69.74%
Se 196.026	-0.7	-0.0009	mg/L	0.00024	-0.0009	mg/L	0.00024	27.52%
Tl 190.801	-1.1	-0.0017	mg/L	0.00283	-0.0017	mg/L	0.00283	162.57%
V 292.402	60.6	0.0004	mg/L	0.00020	0.0004	mg/L	0.00020	55.59%
Zn 206.200	711.0	0.0250	mg/L	0.00129	0.0250	mg/L	0.00129	5.18%
Na 330.237	165.6	0.1835	mg/L	0.01807	0.1835	mg/L	0.01807	9.84%
Cd 226.502	0.3	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	>999.9%
Ti 334.940	305.7	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	17.05%
Ca 227.546	14.1	0.0455	mg/L	0.05145	0.0455	mg/L	0.05145	113.07%

Sequence No.: 10
Sample ID: LCS-36141,36141

Autosampler Location: 41
Date Collected: 5/5/2008 1:32:28 PM

Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 5/6/2008 9:04:02 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-36141,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	273497.3	1.1911	mg/L	0.01678	1.1911	mg/L	0.01678	1.41%
Al 308.215	205126.0	8.9979	mg/L	0.05106	8.9979	mg/L	0.05106	0.57%
As 188.979	400.8	0.4630	mg/L	0.00075	0.4630	mg/L	0.00075	0.16%
Ba 233.527	499259.8	9.5765	mg/L	0.16804	9.5765	mg/L	0.16804	1.75%
Be 313.107	902065.8	0.2368	mg/L	0.00500	0.2368	mg/L	0.00500	2.11%
Co 228.616	44433.1	2.3239	mg/L	0.01973	2.3239	mg/L	0.01973	0.85%
Cr 267.716	99717.9	0.9215	mg/L	0.00575	0.9215	mg/L	0.00575	0.62%
Cu 324.752	209430.8	1.1860	mg/L	0.03353	1.1860	mg/L	0.03353	2.83%
Fe 273.955	122197.7	4.5703	mg/L	0.02017	4.5703	mg/L	0.02017	0.44%
Mg 279.077	291704.8	22.965	mg/L	0.1048	22.965	mg/L	0.1048	0.46%
Mn 257.610	875255.3	2.4042	mg/L	0.04053	2.4042	mg/L	0.04053	1.69%
Ni 231.604	117479.0	2.3197	mg/L	0.01344	2.3197	mg/L	0.01344	0.58%
Pb 220.353	3704.2	0.4707	mg/L	0.00184	0.4707	mg/L	0.00184	0.39%
Sb 206.836	1015.0	0.4818	mg/L	0.00109	0.4818	mg/L	0.00109	0.23%
Se 196.026	352.9	0.4402	mg/L	0.00005	0.4402	mg/L	0.00005	0.01%
Tl 190.801	299.7	0.4667	mg/L	0.00294	0.4667	mg/L	0.00294	0.63%
V 292.402	390787.4	2.3370	mg/L	0.04405	2.3370	mg/L	0.04405	1.88%
Zn 206.200	66443.1	2.3345	mg/L	0.01546	2.3345	mg/L	0.01546	0.66%
Na 330.237	20181.4	22.296	mg/L	0.1551	22.296	mg/L	0.1551	0.70%
Cd 226.502	24110.1	0.2257	mg/L	0.00144	0.2257	mg/L	0.00144	0.64%
Ti 334.940	289.7	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	6.09%
Ca 227.546	7032.3	22.850	mg/L	0.0724	22.850	mg/L	0.0724	0.32%

Sequence No.: 11
Sample ID: G0565-06C,36141
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 5/5/2008 1:35:18 PM
Data Type: Reprocessed on 5/6/2008 9:04:03 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0565-06C,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	5781.8	0.0210	mg/L	0.00055	0.0210	mg/L	0.00055	2.64%
Al 308.215	5731066.0	252.47	mg/L	1.806	252.47	mg/L	1.806	0.72%
As 188.979	1516.2	1.7802	mg/L	0.00150	1.7802	mg/L	0.00150	0.08%
Ba 233.527	189671.5	3.6225	mg/L	0.05008	3.6225	mg/L	0.05008	1.38%
Be 313.107	-29873.4	0.0057	mg/L	0.00018	0.0057	mg/L	0.00018	3.12%
Co 228.616	3200.8	0.1772	mg/L	0.00044	0.1772	mg/L	0.00044	0.25%
Cr 267.716	158648.1	1.4618	mg/L	0.02266	1.4618	mg/L	0.02266	1.55%
Cu 324.752	292487.8	1.6781	mg/L	0.02572	1.6781	mg/L	0.02572	1.53%
Fe 273.955	11845800.7	449.34	mg/L	3.075	449.34	mg/L	3.075	0.68%
Mg 279.077	1164882.9	92.742	mg/L	1.1745	92.742	mg/L	1.1745	1.27%
Mn 257.610	1751752.6	4.7973	mg/L	0.06273	4.7973	mg/L	0.06273	1.31%
Ni 231.604	33028.1	0.6391	mg/L	0.00644	0.6391	mg/L	0.00644	1.01%
Pb 220.353	51158.9	6.4929	mg/L	0.07682	6.4929	mg/L	0.07682	1.18%
Sb 206.836	81.2	0.0223	mg/L	0.00435	0.0223	mg/L	0.00435	19.45%
Se 196.026	-178.4	-0.0204	mg/L	0.01074	-0.0204	mg/L	0.01074	52.57%
Tl 190.801	-6.5	0.0317	mg/L	0.02738	0.0317	mg/L	0.02738	86.32%
V 292.402	128895.6	0.7824	mg/L	0.01145	0.7824	mg/L	0.01145	1.46%
Zn 206.200	63851.8	2.2459	mg/L	0.02692	2.2459	mg/L	0.02692	1.20%
Na 330.237	4985.7	10.642	mg/L	0.2339	10.642	mg/L	0.2339	2.20%
Cd 226.502	1841.8	0.0038	mg/L	0.00047	0.0038	mg/L	0.00047	12.33%
Ti 334.940	5661919.5	8.1051	mg/L	0.04301	8.1051	mg/L	0.04301	0.53%
Ca 227.546	169206.6	548.41	mg/L	8.084	548.41	mg/L	8.084	1.47%

Sequence No.: 12
Sample ID: G0580-01A,36141
Analyst:

Autosampler Location: 43
Date Collected: 5/5/2008 1:37:36 PM
Data Type: Reprocessed on 5/6/2008 9:04:03 AM

Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0580-01A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	320.0	0.0004	mg/L	0.00033	0.0004	mg/L	0.00033	75.06%
Al 308.215	793938.9	34.991	mg/L	0.0790	34.991	mg/L	0.0790	0.23%
As 188.979	26.9	0.0368	mg/L	0.00152	0.0368	mg/L	0.00152	4.12%
Ba 233.527	15767.6	0.2938	mg/L	0.00371	0.2938	mg/L	0.00371	1.26%
Be 313.107	251.2	0.0025	mg/L	0.00001	0.0025	mg/L	0.00001	0.56%
Co 228.616	1346.7	0.0726	mg/L	0.00035	0.0726	mg/L	0.00035	0.48%
Cr 267.716	22375.8	0.2062	mg/L	0.00311	0.2062	mg/L	0.00311	1.51%
Cu 324.752	13814.3	0.0802	mg/L	0.00203	0.0802	mg/L	0.00203	2.53%
Fe 273.955	2394516.9	90.833	mg/L	0.2403	90.833	mg/L	0.2403	0.26%
Mg 279.077	87118.8	7.0826	mg/L	0.06006	7.0826	mg/L	0.06006	0.85%
Mn 257.610	714037.2	1.9588	mg/L	0.00621	1.9588	mg/L	0.00621	0.32%
Ni 231.604	3725.4	0.0712	mg/L	0.00017	0.0712	mg/L	0.00017	0.23%
Pb 220.353	412.6	0.0527	mg/L	0.00253	0.0527	mg/L	0.00253	4.80%
Sb 206.836	13.0	0.0033	mg/L	0.00170	0.0033	mg/L	0.00170	51.14%
Se 196.026	-26.9	0.0045	mg/L	0.00753	0.0045	mg/L	0.00753	167.85%
Tl 190.801	-5.5	0.0033	mg/L	0.00117	0.0033	mg/L	0.00117	35.67%
V 292.402	11840.6	0.0735	mg/L	0.00112	0.0735	mg/L	0.00112	1.52%
Zn 206.200	4186.1	0.1476	mg/L	0.00237	0.1476	mg/L	0.00237	1.60%
Na 330.237	-1926.9	-1.0549	mg/L	0.00471	-1.0549	mg/L	0.00471	0.45%
Cd 226.502	227.6	-0.0006	mg/L	0.00001	-0.0006	mg/L	0.00001	1.97%
Ti 334.940	1025531.4	1.4669	mg/L	0.00352	1.4669	mg/L	0.00352	0.24%
Ca 227.546	1410.8	2.8998	mg/L	0.04616	2.8998	mg/L	0.04616	1.59%

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Sequence No.: 13
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/5/2008 1:40:25 PM
Data Type: Reprocessed on 5/6/2008 9:04:04 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	145.2	-0.0012	mg/L	0.00003	-0.0012	mg/L	0.00003	2.73%
Al 308.215	10814426.4	476.67	mg/L	7.964	476.67	mg/L	7.964	1.67%
As 188.979	-31.9	-0.0008	mg/L	0.00480	-0.0008	mg/L	0.00480	598.65%
Ba 233.527	-139.3	0.0071	mg/L	0.00011	0.0071	mg/L	0.00011	1.61%
Be 313.107	-77.0	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	32.13%
Co 228.616	-209.2	0.0010	mg/L	0.00062	0.0010	mg/L	0.00062	61.57%
Cr 267.716	393.9	0.0007	mg/L	0.00006	0.0007	mg/L	0.00006	8.82%
Cu 324.752	-3010.6	-0.0033	mg/L	0.00058	-0.0033	mg/L	0.00058	17.39%
Fe 273.955	4721140.7	179.04	mg/L	2.619	179.04	mg/L	2.619	1.46%
Mg 279.077	6062919.0	476.79	mg/L	6.857	476.79	mg/L	6.857	1.44%
Mn 257.610	7986.0	0.0094	mg/L	0.00056	0.0094	mg/L	0.00056	5.90%
Ni 231.604	179.6	0.0035	mg/L	0.00025	0.0035	mg/L	0.00025	7.08%
Pb 220.353	-202.1	0.0043	mg/L	0.00134	0.0043	mg/L	0.00134	31.31%
Sb 206.836	32.2	0.0053	mg/L	0.00150	0.0053	mg/L	0.00150	28.65%
Se 196.026	-95.5	0.0149	mg/L	0.00153	0.0149	mg/L	0.00153	10.27%
Tl 190.801	-11.6	0.0077	mg/L	0.01189	0.0077	mg/L	0.01189	154.53%
V 292.402	-1172.1	0.0018	mg/L	0.00071	0.0018	mg/L	0.00071	40.12%
Zn 206.200	-216.3	-0.0076	mg/L	0.00054	-0.0076	mg/L	0.00054	7.16%
Na 330.237	453.6	0.0208	mg/L	0.13199	0.0208	mg/L	0.13199	634.52%
Cd 226.502	507.4	-0.0006	mg/L	0.00072	-0.0006	mg/L	0.00072	114.79%
Ti 334.940	3620.1	0.0110	mg/L	0.00009	0.0110	mg/L	0.00009	0.81%
Ca 227.546	148952.7	487.08	mg/L	4.343	487.08	mg/L	4.343	0.89%

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Sequence No.: 14
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima2

Autosampler Location: 6
Date Collected: 5/5/2008 1:43:20 PM
Data Type: Reprocessed on 5/6/2008 9:04:04 AM

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	48568.1	0.2097	mg/L	0.00023	0.2097	mg/L	0.00023	0.11%
Al 308.215	11016082.0	485.55	mg/L	6.654	485.55	mg/L	6.654	1.37%
As 188.979	47.4	0.0921	mg/L	0.00493	0.0921	mg/L	0.00493	5.36%
Ba 233.527	25156.8	0.4920	mg/L	0.00091	0.4920	mg/L	0.00091	0.19%
Be 313.107	1821923.8	0.4781	mg/L	0.00518	0.4781	mg/L	0.00518	1.08%
Co 228.616	8296.1	0.4460	mg/L	0.00215	0.4460	mg/L	0.00215	0.48%
Cr 267.716	49745.0	0.4571	mg/L	0.00008	0.4571	mg/L	0.00008	0.02%
Cu 324.752	82530.7	0.4818	mg/L	0.00215	0.4818	mg/L	0.00215	0.45%
Fe 273.955	4788231.9	181.57	mg/L	2.111	181.57	mg/L	2.111	1.16%
Mg 279.077	6153036.3	483.89	mg/L	5.655	483.89	mg/L	5.655	1.17%
Mn 257.610	179456.2	0.4803	mg/L	0.00040	0.4803	mg/L	0.00040	0.08%
Ni 231.604	44723.7	0.8832	mg/L	0.00003	0.8832	mg/L	0.00003	0.00%
Pb 220.353	3355.2	0.4554	mg/L	0.00329	0.4554	mg/L	0.00329	0.72%
Sb 206.836	1233.9	0.5774	mg/L	0.00110	0.5774	mg/L	0.00110	0.19%
Se 196.026	277.6	0.4809	mg/L	0.00278	0.4809	mg/L	0.00278	0.58%
Tl 190.801	37.2	0.0841	mg/L	0.00602	0.0841	mg/L	0.00602	7.16%
V 292.402	77661.2	0.4736	mg/L	0.00053	0.4736	mg/L	0.00053	0.11%
Zn 206.200	24187.9	0.8501	mg/L	0.00449	0.8501	mg/L	0.00449	0.53%
Na 330.237	25258.1	27.479	mg/L	0.0431	27.479	mg/L	0.0431	0.16%
Cd 226.502	94415.8	0.8778	mg/L	0.00130	0.8778	mg/L	0.00130	0.15%
Ti 334.940	3607.2	0.0108	mg/L	0.00003	0.0108	mg/L	0.00003	0.25%
Ca 227.546	148956.6	486.99	mg/L	0.376	486.99	mg/L	0.376	0.08%

Sequence No.: 15
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/5/2008 1:46:16 PM
Data Type: Reprocessed on 5/6/2008 9:04:05 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	283844.6	1.2362	mg/L	0.00321	1.2362	mg/L	0.00321	0.26%
Al 308.215	222445.7	9.7580	mg/L	0.03076	9.7580	mg/L	0.03076	0.32%
As 188.979	438.4	0.5064	mg/L	0.00043	0.5064	mg/L	0.00043	0.09%
Ba 233.527	543816.8	10.431	mg/L	0.0263	10.431	mg/L	0.0263	0.25%
Be 313.107	963137.2	0.2528	mg/L	0.00088	0.2528	mg/L	0.00088	0.35%
Co 228.616	48034.7	2.5122	mg/L	0.02138	2.5122	mg/L	0.02138	0.85%
Cr 267.716	106805.4	0.9870	mg/L	0.00805	0.9870	mg/L	0.00805	0.82%
Cu 324.752	222348.9	1.2592	mg/L	0.00326	1.2592	mg/L	0.00326	0.26%
Fe 273.955	132173.2	4.9439	mg/L	0.02349	4.9439	mg/L	0.02349	0.48%
Mg 279.077	319899.0	25.183	mg/L	0.1375	25.183	mg/L	0.1375	0.55%
Mn 257.610	923929.9	2.5379	mg/L	0.00571	2.5379	mg/L	0.00571	0.22%
Ni 231.604	126767.5	2.5031	mg/L	0.01624	2.5031	mg/L	0.01624	0.65%
Pb 220.353	3994.4	0.5076	mg/L	0.00118	0.5076	mg/L	0.00118	0.23%
Sb 206.836	1062.4	0.5043	mg/L	0.00313	0.5043	mg/L	0.00313	0.62%
Se 196.026	403.4	0.5032	mg/L	0.00539	0.5032	mg/L	0.00539	1.07%
Tl 190.801	323.6	0.5036	mg/L	0.00287	0.5036	mg/L	0.00287	0.57%
V 292.402	419415.4	2.5082	mg/L	0.00767	2.5082	mg/L	0.00767	0.31%
Zn 206.200	71394.3	2.5085	mg/L	0.03227	2.5085	mg/L	0.03227	1.29%
Na 330.237	22192.8	24.520	mg/L	0.2915	24.520	mg/L	0.2915	1.19%
Cd 226.502	26489.2	0.2480	mg/L	0.00321	0.2480	mg/L	0.00321	1.30%
Ti 334.940	104.4	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	329.72%
Ca 227.546	7588.7	24.658	mg/L	0.0354	24.658	mg/L	0.0354	0.14%

Sequence No.: 16
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:

Autosampler Location: 4
Date Collected: 5/5/2008 1:49:08 PM
Data Type: Reprocessed on 5/6/2008 9:04:06 AM

Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	68.3	0.0003	mg/L	0.00042	0.0003	mg/L	0.00042	140.73%
Al 308.215	443.9	0.0195	mg/L	0.00971	0.0195	mg/L	0.00971	49.72%
As 188.979	-0.7	-0.0008	mg/L	0.00151	-0.0008	mg/L	0.00151	200.37%
Ba 233.527	45.7	0.0009	mg/L	0.00027	0.0009	mg/L	0.00027	30.27%
Be 313.107	126.9	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	95.97%
Co 228.616	5.7	0.0003	mg/L	0.00011	0.0003	mg/L	0.00011	35.19%
Cr 267.716	67.3	0.0006	mg/L	0.00019	0.0006	mg/L	0.00019	31.28%
Cu 324.752	724.4	0.0041	mg/L	0.00064	0.0041	mg/L	0.00064	15.68%
Fe 273.955	308.1	0.0117	mg/L	0.00345	0.0117	mg/L	0.00345	29.55%
Mg 279.077	798.4	0.0628	mg/L	0.00057	0.0628	mg/L	0.00057	0.91%
Mn 257.610	132.9	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	34.60%
Ni 231.604	38.1	0.0008	mg/L	0.00021	0.0008	mg/L	0.00021	28.64%
Pb 220.353	16.0	0.0020	mg/L	0.00047	0.0020	mg/L	0.00047	23.21%
Sb 206.836	-1.0	-0.0005	mg/L	0.00028	-0.0005	mg/L	0.00028	57.49%
Se 196.026	9.3	0.0116	mg/L	0.01683	0.0116	mg/L	0.01683	144.88%
Tl 190.801	1.8	0.0028	mg/L	0.00275	0.0028	mg/L	0.00275	97.22%
V 292.402	43.4	0.0003	mg/L	0.00058	0.0003	mg/L	0.00058	221.71%
Zn 206.200	213.2	0.0075	mg/L	0.00095	0.0075	mg/L	0.00095	12.76%
Na 330.237	-40.7	-0.0451	mg/L	0.10524	-0.0451	mg/L	0.10524	233.28%
Cd 226.502	29.1	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	27.75%
Ti 334.940	-3.7	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	785.28%
Ca 227.546	14.6	0.0476	mg/L	0.09850	0.0476	mg/L	0.09850	206.95%

Sequence No.: 17
Sample ID: G0565-06C,36141
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution: 10x Fe Ca

Autosampler Location: 86
Date Collected: 5/5/2008 1:52:01 PM
Data Type: Reprocessed on 5/6/2008 9:04:06 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0565-06C,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	550.8	0.0019	mg/L	0.00021	0.0019	mg/L	0.00021	11.40%
Al 308.215	601535.7	26.499	mg/L	0.1289	26.499	mg/L	0.1289	0.49%
As 188.979	170.3	0.1999	mg/L	0.00282	0.1999	mg/L	0.00282	1.41%
Ba 233.527	21373.7	0.4075	mg/L	0.00050	0.4075	mg/L	0.00050	0.12%
Be 313.107	-3174.2	0.0006	mg/L	0.00001	0.0006	mg/L	0.00001	1.71%
Co 228.616	361.3	0.0203	mg/L	0.00005	0.0203	mg/L	0.00005	0.22%
Cr 267.716	17501.1	0.1614	mg/L	0.00006	0.1614	mg/L	0.00006	0.03%
Cu 324.752	29148.1	0.1677	mg/L	0.00070	0.1677	mg/L	0.00070	0.41%
Fe 273.955	1453746.6	55.144	mg/L	0.2237	55.144	mg/L	0.2237	0.41%
Mg 279.077	129803.7	10.345	mg/L	0.0203	10.345	mg/L	0.0203	0.20%
Mn 257.610	198481.3	0.5434	mg/L	0.00239	0.5434	mg/L	0.00239	0.44%
Ni 231.604	3779.3	0.0732	mg/L	0.00001	0.0732	mg/L	0.00001	0.02%
Pb 220.353	5874.1	0.7452	mg/L	0.00024	0.7452	mg/L	0.00024	0.03%
Sb 206.836	8.9	0.0023	mg/L	0.00273	0.0023	mg/L	0.00273	120.88%
Se 196.026	-22.6	-0.0040	mg/L	0.00815	-0.0040	mg/L	0.00815	201.14%
Tl 190.801	-2.2	0.0015	mg/L	0.00401	0.0015	mg/L	0.00401	275.01%
V 292.402	13841.3	0.0844	mg/L	0.00074	0.0844	mg/L	0.00074	0.88%
Zn 206.200	7524.9	0.2646	mg/L	0.00071	0.2646	mg/L	0.00071	0.27%
Na 330.237	376.3	0.9825	mg/L	0.09500	0.9825	mg/L	0.09500	9.67%
Cd 226.502	204.3	0.0003	mg/L	0.00011	0.0003	mg/L	0.00011	39.47%
Ti 334.940	616001.7	0.8818	mg/L	0.00257	0.8818	mg/L	0.00257	0.29%
Ca 227.546	17729.1	57.306	mg/L	0.0100	57.306	mg/L	0.0100	0.02%

Sequence No.: 18
Sample ID: G0583-01A,36141
Analyst:
Logged In Analyst (Original) : optima2
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 5/5/2008 1:54:43 PM
Data Type: Reprocessed on 5/6/2008 9:04:07 AM

Initial Sample Vol:
Sample Prep Vol:

Analysis Begun

Start Time: 5/5/2008 9:33:20 AM
Logged In Analyst: optima3
Spectrometer Model: Optima 4300 DV, S/N 069N-na
Plasma On Time: 5/5/2008 8:38:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\0505A.sif
Batch ID:
Results Data Set: B08050501
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: S0
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 5/5/2008 9:33:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Na 589.592	71.2	18.64	26.19%	[0.00]	mg/L
K 766.490	157.6	146.07	92.69%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 5/5/2008 9:35:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Na 589.592	403301.5	1395.54	0.35%	[50]	mg/L
K 766.490	151386.5	691.01	0.46%	[50]	mg/L

Sequence No.: 3
Sample ID: S2
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 10
Date Collected: 5/5/2008 9:37:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Na 589.592	206594.2	1761.20	0.85%	[25]	mg/L
K 766.490	76483.4	516.45	0.68%	[25]	mg/L

Sequence No.: 4
Sample ID: S3
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 11
Date Collected: 5/5/2008 9:40:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Na 589.592	4723.8	36.33	0.77%	[0.5]	mg/L
K 766.490	1770.7	6.24	0.35%	[0.5]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Na 589.592	3	Lin Thru 0	0.0	8106	0.00000	0.999951	
K 766.490	3	Lin Thru 0	0.0	3034	0.00000	0.999990	

Sequence No.: 5
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/5/2008 9:42:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	211921.7	26.145	mg/L	0.0981	26.145	mg/L	0.0981	0.38%
K 766.490	77850.8	25.659	mg/L	0.1237	25.659	mg/L	0.1237	0.48%

Sequence No.: 6
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/5/2008 9:44:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	305.9	0.0377	mg/L	0.00421	0.0377	mg/L	0.00421	11.16%
K 766.490	140.8	0.0464	mg/L	0.01652	0.0464	mg/L	0.01652	35.59%

Sequence No.: 7
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/5/2008 9:47:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	244.8	0.0302	mg/L	0.00128	0.0302	mg/L	0.00128	4.25%
K 766.490	198.5	0.0654	mg/L	0.01914	0.0654	mg/L	0.01914	29.26%

Sequence No.: 8
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/5/2008 9:49:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	204367.0	25.213	mg/L	0.0336	25.213	mg/L	0.0336	0.13%
K 766.490	77812.7	25.646	mg/L	0.0642	25.646	mg/L	0.0642	0.25%

Sequence No.: 9
Sample ID: MB-36196,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 5/5/2008 9:51:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-36196,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Na 589.592	281.1	0.0347	mg/L	0.00129	0.0347	mg/L	0.00129	3.73%
K 766.490	209.3	0.0690	mg/L	0.00155	0.0690	mg/L	0.00155	2.24%

Sequence No.: 10
Sample ID: LCS-36196,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 5/5/2008 9:54:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-36196,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Na 589.592	196869.1	24.288	mg/L	0.0139	24.288	mg/L	0.0139	0.06%
K 766.490	73660.9	24.278	mg/L	0.0399	24.278	mg/L	0.0399	0.16%

Sequence No.: 11
Sample ID: G0608-01C,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 5/5/2008 9:56:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0608-01C,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Na 589.592	67221.8	8.2932	mg/L	0.00417	8.2932	mg/L	0.00417	0.05%
K 766.490	131172.8	43.233	mg/L	0.1640	43.233	mg/L	0.1640	0.38%

Sequence No.: 12
Sample ID: G0608-02C,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 5/5/2008 9:58:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0608-02C,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Na 589.592	79839.3	9.8498	mg/L	0.09506	9.8498	mg/L	0.09506	0.97%
K 766.490	108834.3	35.870	mg/L	0.3946	35.870	mg/L	0.3946	1.10%

Sequence No.: 13
Sample ID: G0608-02CDUP,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 5/5/2008 10:01:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0608-02CDUP,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Na 589.592	85359.8	10.531	mg/L	0.1172	10.531	mg/L	0.1172	1.11%
K 766.490	120217.4	39.622	mg/L	0.4569	39.622	mg/L	0.4569	1.15%

Sequence No.: 14
Sample ID: G0608-02CSD,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 5/5/2008 10:03:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0608-02CSD,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Na 589.592	16873.7	2.0817 mg/L	0.00522	2.0817 mg/L	0.00522	0.25%
K 766.490	22373.8	7.3741 mg/L	0.03756	7.3741 mg/L	0.03756	0.51%

Sequence No.: 15
Sample ID: G0608-03C,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 5/5/2008 10:05:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0608-03C,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	75256.0	9.2843	mg/L	0.06154	9.2843	mg/L	0.06154	0.66%
K 766.490	148834.0	49.054	mg/L	0.2486	49.054	mg/L	0.2486	0.51%

Sequence No.: 16
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/5/2008 10:08:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	209271.0	25.818	mg/L	0.2954	25.818	mg/L	0.2954	1.14%
K 766.490	77851.8	25.659	mg/L	0.2161	25.659	mg/L	0.2161	0.84%

Sequence No.: 17
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/5/2008 10:10:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	327.6	0.0404	mg/L	0.00337	0.0404	mg/L	0.00337	8.34%
K 766.490	93.9	0.0310	mg/L	0.00067	0.0310	mg/L	0.00067	2.17%

Sequence No.: 18
Sample ID: G0608-04C,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 5/5/2008 10:12:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0608-04C,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	70411.6	8.6867	mg/L	0.01835	8.6867	mg/L	0.01835	0.21%
K 766.490	109624.0	36.131	mg/L	0.1316	36.131	mg/L	0.1316	0.36%

Sequence No.: 19
Sample ID: G0608-05C,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 5/5/2008 10:15:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0608-05C,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	83976.4	10.360	mg/L	0.0132	10.360	mg/L	0.0132	0.13%

K 766.490	121301.2	39.979 mg/L	0.0545	39.979 mg/L	0.0545	0.14%

Sequence No.: 20
Sample ID: G0608-06C,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 5/5/2008 10:17:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0608-06C,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	58784.9	7.2523	mg/L	0.03154	7.2523	mg/L	0.03154	0.43%
K 766.490	96947.3	31.953	mg/L	0.1295	31.953	mg/L	0.1295	0.41%

Sequence No.: 21
Sample ID: G0608-07C,36196
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 5/5/2008 10:20:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0608-07C,36196

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	55766.4	6.8799	mg/L	0.00080	6.8799	mg/L	0.00080	0.01%
K 766.490	101343.7	33.402	mg/L	0.0402	33.402	mg/L	0.0402	0.12%

Sequence No.: 22
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/5/2008 10:22:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	485.9	0.0599	mg/L	0.00553	0.0599	mg/L	0.00553	9.22%
K 766.490	209.5	0.0691	mg/L	0.01566	0.0691	mg/L	0.01566	22.67%

Sequence No.: 23
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/5/2008 10:24:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	203830.2	25.147	mg/L	0.0040	25.147	mg/L	0.0040	0.02%
K 766.490	78463.4	25.861	mg/L	0.0335	25.861	mg/L	0.0335	0.13%

Sequence No.: 24
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/5/2008 10:26:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	208097.2	25.673	mg/L	0.1279	25.673	mg/L	0.1279	0.50%
K 766.490	77640.8	25.589	mg/L	0.0932	25.589	mg/L	0.0932	0.36%

Sequence No.: 25
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/5/2008 10:29:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	475.6	0.0587	mg/L	0.00605	0.0587	mg/L	0.00605	10.31%
K 766.490	111.5	0.0368	mg/L	0.00396	0.0368	mg/L	0.00396	10.77%

Sequence No.: 26
Sample ID: MB-36167,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 5/5/2008 10:31:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-36167,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	237.9	0.0293	mg/L	0.00591	0.0293	mg/L	0.00591	20.12%
K 766.490	99.0	0.0326	mg/L	0.00123	0.0326	mg/L	0.00123	3.76%

Sequence No.: 27
Sample ID: LCS-36167,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 5/5/2008 10:33:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-36167,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	194480.5	23.993	mg/L	0.1527	23.993	mg/L	0.1527	0.64%
K 766.490	73609.7	24.261	mg/L	0.1471	24.261	mg/L	0.1471	0.61%

Sequence No.: 28
Sample ID: G0583-21C,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 5/5/2008 10:36:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-21C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	828.8	0.1023	mg/L	0.00512	0.1023	mg/L	0.00512	5.01%
K 766.490	200.9	0.0662	mg/L	0.00094	0.0662	mg/L	0.00094	1.42%

Sequence No.: 29
Sample ID: G0572-01C,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 5/5/2008 10:38:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-01C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	1566200.9	193.22	mg/L	0.324	193.22	mg/L	0.324	0.17%
K 766.490	142266.6	46.889	mg/L	0.0714	46.889	mg/L	0.0714	0.15%

Sequence No.: 30
Sample ID: G0572-01CDUP,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 5/5/2008 10:40:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-01CDUP,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	1540019.6	189.99	mg/L	0.415	189.99	mg/L	0.415	0.22%
K 766.490	137700.8	45.385	mg/L	0.1044	45.385	mg/L	0.1044	0.23%

Sequence No.: 31
Sample ID: G0572-01CSD,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 5/5/2008 10:43:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-01CSD,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	328081.2	40.475	mg/L	0.3231	40.475	mg/L	0.3231	0.80%
K 766.490	29090.4	9.5879	mg/L	0.04615	9.5879	mg/L	0.04615	0.48%

Sequence No.: 32
Sample ID: G0572-02C,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 5/5/2008 10:45:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-02C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	1005594.7	124.06	mg/L	0.028	124.06	mg/L	0.028	0.02%
K 766.490	9070.4	2.9895	mg/L	0.03618	2.9895	mg/L	0.03618	1.21%

Sequence No.: 33
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/5/2008 10:48:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	208948.9	25.778	mg/L	0.3627	25.778	mg/L	0.3627	1.41%
K 766.490	77260.3	25.464	mg/L	0.3749	25.464	mg/L	0.3749	1.47%

Sequence No.: 34
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/5/2008 10:50:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	1435.2	0.1771	mg/L	0.00297	0.1771	mg/L	0.00297	1.68%
K 766.490	148.9	0.0491	mg/L	0.03124	0.0491	mg/L	0.03124	63.67%

Sequence No.: 35
Sample ID: G0572-03C,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 5/5/2008 10:52:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-03C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	791017.3	97.588	mg/L	0.4584	97.588	mg/L	0.4584	0.47%
K 766.490	28163.3	9.2823	mg/L	0.00893	9.2823	mg/L	0.00893	0.10%

Sequence No.: 36
Sample ID: G0572-04C,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 5/5/2008 10:55:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-04C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	822834.1	101.51	mg/L	0.701	101.51	mg/L	0.701	0.69%
K 766.490	24318.2	8.0150	mg/L	0.03949	8.0150	mg/L	0.03949	0.49%

Sequence No.: 37
Sample ID: G0572-05C,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 5/5/2008 10:57:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-05C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	544399.4	67.163	mg/L	0.0547	67.163	mg/L	0.0547	0.08%
K 766.490	26297.7	8.6674	mg/L	0.06174	8.6674	mg/L	0.06174	0.71%

Sequence No.: 38
Sample ID: G0572-06C,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 5/5/2008 10:59:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-06C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	653767.4	80.655	mg/L	1.4252	80.655	mg/L	1.4252	1.77%
K 766.490	25057.0	8.2585	mg/L	0.05929	8.2585	mg/L	0.05929	0.72%

Sequence No.: 39
Sample ID: G0572-07C,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 5/5/2008 11:02:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-07C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	1033479.3	127.50	mg/L	0.359	127.50	mg/L	0.359	0.28%
K 766.490	7123.5	2.3478	mg/L	0.01481	2.3478	mg/L	0.01481	0.63%

Sequence No.: 40

Autosampler Location: 63

Sample ID: G0572-08C,36167
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 5/5/2008 11:04:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-08C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	1783607.8	220.04	mg/L	2.450	220.04	mg/L	2.450	1.11%
K 766.490	29694.0	9.7868	mg/L	0.21818	9.7868	mg/L	0.21818	2.23%

==========

Sequence No.: 41
Sample ID: G0572-09C,36167
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 5/5/2008 11:07:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-09C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	3327125.1	410.47	mg/L	0.878	410.47	mg/L	0.878	0.21%
K 766.490	19397.6	6.3932	mg/L	0.01153	6.3932	mg/L	0.01153	0.18%

==========

Sequence No.: 42
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/5/2008 11:09:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	3781.6	0.4665	mg/L	0.01298	0.4665	mg/L	0.01298	2.78%
K 766.490	214.4	0.0707	mg/L	0.00060	0.0707	mg/L	0.00060	0.85%

User canceled analysis.

Analysis Begun

Start Time: 5/5/2008 11:12:02 AM
Logged In Analyst: optima3
Spectrometer Model: Optima 4300 DV, S/N 069N-na
Plasma On Time: 5/5/2008 8:38:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\0505A.sif
Batch ID:
Results Data Set: B08050501
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/5/2008 11:12:02 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	202362.0	24.965	mg/L	0.1056	24.965	mg/L	0.1056	0.42%
K 766.490	77395.8	25.509	mg/L	0.1218	25.509	mg/L	0.1218	0.48%

Sequence No.: 2
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/5/2008 11:14:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	209496.9	25.846	mg/L	0.0094	25.846	mg/L	0.0094	0.04%
K 766.490	77976.8	25.700	mg/L	0.0103	25.700	mg/L	0.0103	0.04%

Sequence No.: 3
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/5/2008 11:16:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	2075.1	0.2560	mg/L	0.00640	0.2560	mg/L	0.00640	2.50%
K 766.490	157.2	0.0518	mg/L	0.03012	0.0518	mg/L	0.03012	58.14%

Sequence No.: 4
Sample ID: G0572-09C,36167
Analyst:
Initial Sample Wt:
Dilution: 10X Na
Autosampler Location: 26
Date Collected: 5/5/2008 11:19:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-09C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	355818.6	43.897	mg/L	0.4803	43.897	mg/L	0.4803	1.09%
K 766.490	2086.2	0.6876	mg/L	0.00586	0.6876	mg/L	0.00586	0.85%

Sequence No.: 5
Autosampler Location: 65

Sample ID: G0572-10C,36167
Analyst:
Initial Sample Wt:
Dilution:
Date Collected: 5/5/2008 11:21:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-10C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	979344.0	120.82	mg/L	0.504	120.82	mg/L	0.504	0.42%
K 766.490	8916.1	2.9386	mg/L	0.04277	2.9386	mg/L	0.04277	1.46%

Sequence No.: 6
Sample ID: G0572-11C,36167
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 66
Date Collected: 5/5/2008 11:23:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-11C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	144235.8	17.794	mg/L	0.0427	17.794	mg/L	0.0427	0.24%
K 766.490	31688.0	10.444	mg/L	0.0455	10.444	mg/L	0.0455	0.44%

Sequence No.: 7
Sample ID: G0572-12C,36167
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 67
Date Collected: 5/5/2008 11:26:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-12C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	92287.5	11.386	mg/L	0.1601	11.386	mg/L	0.1601	1.41%
K 766.490	2773.6	0.9142	mg/L	0.01767	0.9142	mg/L	0.01767	1.93%

Sequence No.: 8
Sample ID: G0572-13C,36167
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 68
Date Collected: 5/5/2008 11:28:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-13C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	91619.4	11.303	mg/L	0.0535	11.303	mg/L	0.0535	0.47%
K 766.490	2871.8	0.9465	mg/L	0.00068	0.9465	mg/L	0.00068	0.07%

Sequence No.: 9
Sample ID: G0572-14C,36167
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 69
Date Collected: 5/5/2008 11:30:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0572-14C,36167

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	90208.5	11.129	mg/L	0.0349	11.129	mg/L	0.0349	0.31%
K 766.490	2735.7	0.9017	mg/L	0.01109	0.9017	mg/L	0.01109	1.23%

Sequence No.: 10
Sample ID: ICSA
Autosampler Location: 5
Date Collected: 5/5/2008 11:33:08 AM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	1808.5	0.2231	mg/L	0.00635	0.2231	mg/L	0.00635	2.85%
K 766.490	75.7	0.0249	mg/L	0.00186	0.0249	mg/L	0.00186	7.45%

==========

Sequence No.: 11
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/5/2008 11:35:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	200417.6	24.726	mg/L	0.0729	24.726	mg/L	0.0729	0.29%
K 766.490	77293.7	25.475	mg/L	0.0859	25.475	mg/L	0.0859	0.34%

==========

Sequence No.: 12
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/5/2008 11:37:47 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	208026.5	25.664	mg/L	0.0530	25.664	mg/L	0.0530	0.21%
K 766.490	77980.2	25.701	mg/L	0.0161	25.701	mg/L	0.0161	0.06%

==========

Sequence No.: 13
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/5/2008 11:40:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	1213.4	0.1497	mg/L	0.00206	0.1497	mg/L	0.00206	1.38%
K 766.490	135.8	0.0448	mg/L	0.00070	0.0448	mg/L	0.00070	1.57%

==========

Sequence No.: 14
Sample ID: MB-36141,36141
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 5/5/2008 11:42:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-36141,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	773.5	0.0954	mg/L	0.00407	0.0954	mg/L	0.00407	4.26%
K 766.490	133.9	0.0441	mg/L	0.00393	0.0441	mg/L	0.00393	8.91%

==========

Sequence No.: 15
Sample ID: LCS-36141,36141
Analyst:

Autosampler Location: 71
Date Collected: 5/5/2008 11:44:47 AM
Data Type: Original

Initial Sample Wt:
Dilution:
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-36141,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	185665.3	22.906	mg/L	0.1920	22.906	mg/L	0.1920	0.84%
K 766.490	70758.7	23.321	mg/L	0.1780	23.321	mg/L	0.1780	0.76%

Sequence No.: 16
Sample ID: G0565-06C,36141
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 72
Date Collected: 5/5/2008 11:47:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0565-06C,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	142716.0	17.607	mg/L	0.0161	17.607	mg/L	0.0161	0.09%
K 766.490	172615.0	56.892	mg/L	0.0449	56.892	mg/L	0.0449	0.08%

Sequence No.: 17
Sample ID: G0580-01A,36141
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 73
Date Collected: 5/5/2008 11:49:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0580-01A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	3966.1	0.4893	mg/L	0.00758	0.4893	mg/L	0.00758	1.55%
K 766.490	15678.7	5.1675	mg/L	0.03289	5.1675	mg/L	0.03289	0.64%

Sequence No.: 18
Sample ID: G0583-01A,36141
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 74
Date Collected: 5/5/2008 11:51:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-01A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	10973.6	1.3538	mg/L	0.00349	1.3538	mg/L	0.00349	0.26%
K 766.490	49381.3	16.275	mg/L	0.0187	16.275	mg/L	0.0187	0.11%

Sequence No.: 19
Sample ID: G0583-02A,36141
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 75
Date Collected: 5/5/2008 11:54:10 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-02A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	704655.6	86.934	mg/L	1.2501	86.934	mg/L	1.2501	1.44%
K 766.490	151858.9	50.051	mg/L	0.7077	50.051	mg/L	0.7077	1.41%

Sequence No.: 20
Sample ID: G0583-03A,36141
Analyst:
Initial Sample Wt:
Autosampler Location: 76
Date Collected: 5/5/2008 11:56:31 AM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: G0583-03A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	153614.3	18.951	mg/L	0.1473	18.951	mg/L	0.1473	0.78%
K 766.490	41505.7	13.680	mg/L	0.0719	13.680	mg/L	0.0719	0.53%

==========

Sequence No.: 21
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/5/2008 11:58:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	205031.7	25.295	mg/L	0.3741	25.295	mg/L	0.3741	1.48%
K 766.490	76584.7	25.241	mg/L	0.3558	25.241	mg/L	0.3558	1.41%

==========

Sequence No.: 22
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/5/2008 12:01:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	872.5	0.1076	mg/L	0.00494	0.1076	mg/L	0.00494	4.59%
K 766.490	173.2	0.0571	mg/L	0.02236	0.0571	mg/L	0.02236	39.16%

==========

Sequence No.: 23
Sample ID: G0583-04A,36141
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 5/5/2008 12:03:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-04A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	24611.2	3.0363	mg/L	0.01820	3.0363	mg/L	0.01820	0.60%
K 766.490	84550.1	27.867	mg/L	0.0476	27.867	mg/L	0.0476	0.17%

==========

Sequence No.: 24
Sample ID: G0583-05A,36141
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 5/5/2008 12:05:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-05A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	18052.2	2.2271	mg/L	0.01339	2.2271	mg/L	0.01339	0.60%
K 766.490	56799.6	18.720	mg/L	0.0564	18.720	mg/L	0.0564	0.30%

==========

Sequence No.: 25
Sample ID: G0583-06A,36141
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 79
Date Collected: 5/5/2008 12:08:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-06A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	11277.1	1.3913	mg/L	0.00102	1.3913	mg/L	0.00102	0.07%
K 766.490	23531.3	7.7556	mg/L	0.00719	7.7556	mg/L	0.00719	0.09%

Sequence No.: 26
Sample ID: G0583-08A,36141
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 80
Date Collected: 5/5/2008 12:10:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-08A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	36535.5	4.5074	mg/L	0.01629	4.5074	mg/L	0.01629	0.36%
K 766.490	64186.8	21.155	mg/L	0.0649	21.155	mg/L	0.0649	0.31%

Sequence No.: 27
Sample ID: G0583-08ADUP,36141
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 81
Date Collected: 5/5/2008 12:12:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-08ADUP,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	35632.1	4.3959	mg/L	0.05406	4.3959	mg/L	0.05406	1.23%
K 766.490	64937.7	21.403	mg/L	0.2010	21.403	mg/L	0.2010	0.94%

Sequence No.: 28
Sample ID: G0583-08ASD,36141
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 83
Date Collected: 5/5/2008 12:15:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-08ASD,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	8210.0	1.0129	mg/L	0.00530	1.0129	mg/L	0.00530	0.52%
K 766.490	13508.1	4.4521	mg/L	0.02414	4.4521	mg/L	0.02414	0.54%

Sequence No.: 29
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/5/2008 12:17:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	840.9	0.1037	mg/L	0.01333	0.1037	mg/L	0.01333	12.85%
K 766.490	129.7	0.0427	mg/L	0.00871	0.0427	mg/L	0.00871	20.38%

Sequence No.: 30
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/5/2008 12:19:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	201283.7	24.832	mg/L	0.0169	24.832	mg/L	0.0169	0.07%
K 766.490	77995.0	25.706	mg/L	0.0633	25.706	mg/L	0.0633	0.25%

Sequence No.: 31
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/5/2008 12:22:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	204941.0	25.284	mg/L	0.0652	25.284	mg/L	0.0652	0.26%
K 766.490	77065.0	25.400	mg/L	0.0737	25.400	mg/L	0.0737	0.29%

Sequence No.: 32
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/5/2008 12:24:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	686.1	0.0846	mg/L	0.01371	0.0846	mg/L	0.01371	16.20%
K 766.490	153.3	0.0505	mg/L	0.01847	0.0505	mg/L	0.01847	36.56%

Sequence No.: 33
Sample ID: G0583-09A,36141
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 85
Date Collected: 5/5/2008 12:26:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-09A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	39582.0	4.8832	mg/L	0.08143	4.8832	mg/L	0.08143	1.67%
K 766.490	54744.4	18.043	mg/L	0.2781	18.043	mg/L	0.2781	1.54%

Sequence No.: 34
Sample ID: G0583-11A,36141
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 86
Date Collected: 5/5/2008 12:29:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0583-11A,36141

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	16341.8	2.0161	mg/L	0.00528	2.0161	mg/L	0.00528	0.26%
K 766.490	39665.6	13.073	mg/L	0.0202	13.073	mg/L	0.0202	0.15%

Sequence No.: 35
Sample ID: G0583-12A,36141
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 87
Date Collected: 5/5/2008 12:31:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

FIMSL080508

Seq. No.	1	AS Loc:	1	Date:	5/ 2/08			
Sample ID:	S0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0004	0.0022	61.8851	0.0004	4.1257	11:04:08
			0.0004	0.0021	61.8825	0.0004	4.1255	11:04:38
Auto-zero performed.								
Mean:			0.0004					
SD:			0.00000					
%RSD:			1.16					

Seq. No.	2	AS Loc:	2	Date:	5/ 2/08			
Sample ID:	S0.2							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0040	0.0162	61.8783	0.0044	4.1252	11:05:30
			0.0040	0.0167	61.8770	0.0044	4.1251	11:05:59
[Hg] Standard number 1 applied. [0.20]								
Correlation Coefficient: 1.00000		Slope: 0.02009						
Intercept : 0.00000								
Mean:			0.0040					
SD:			0.00003					
%RSD:			0.85					

Seq. No.	3	AS Loc:	3	Date:	5/ 2/08			
Sample ID:	S1.0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0212	0.0819	61.8756	0.0216	4.1250	11:06:50
			0.0213	0.0820	61.8736	0.0217	4.1249	11:07:20
[Hg] Standard number 2 applied. [1.00]								
Correlation Coefficient: 0.99994		Slope: 0.02133						
Intercept : -0.00011								
Mean:			0.0212					
SD:			0.00012					
%RSD:			0.55					

Seq. No.	4	AS Loc:	4	Date:	5/ 2/08			
Sample ID:	S2.0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0411	0.1579	61.8711	0.0415	4.1247	11:08:11
			0.0413	0.1584	61.8711	0.0417	4.1247	11:08:41
[Hg] Standard number 3 applied. [2.00]								
Correlation Coefficient: 0.99985		Slope: 0.02070						
Intercept : 0.00007								
Mean:			0.0412					
SD:			0.00013					
%RSD:			0.31					

Seq. No.	5	AS Loc:	5	Date:	5/ 2/08			
Sample ID:	S5.0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.1028	0.3957	61.8691	0.1032	4.1246	11:09:32
			0.1029	0.3969	61.8680	0.1033	4.1245	11:10:01
[Hg] Standard number 4 applied. [5.00]								
Correlation Coefficient: 0.99997		Slope: 0.02055						
Intercept : 0.00016								
Mean:			0.1028					
SD:			0.00003					
%RSD:			0.03					

Seq. No.	6	AS Loc:	6	Date:	5/ 2/08			
Sample ID:	S10.0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.2026	0.7860	61.8645	0.2030	4.1243	11:10:52
			0.2019	0.7850	61.8608	0.2023	4.1240	11:11:22
[Hg] Standard number 5 applied. [10.00]								
Correlation Coefficient: 0.99996		Slope: 0.02023						
Intercept : 0.00056								
Mean:			0.2023					
SD:			0.00052					
%RSD:			0.26					

Seq. No.	7	AS Loc:	7	Date:	5/ 2/08			
Sample ID:	ICV							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.09µg/L	5.09µg/L	0.1036	0.4021	61.8602	0.1040	4.1240	11:12:12
	5.12µg/L	5.12µg/L	0.1042	0.4021	61.8599	0.1046	4.1240	11:12:41
QC value within specified limits.								
Mean:	5.11µg/L	5.11µg/L	0.1039					
SD:	0.02µg/L	0.02µg/L	0.00043					
%RSD:	0.41		0.41					

Seq. No.	8	AS Loc:	1	Date:	5/ 2/08			
Sample ID:	ICB							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	-0.04µg/L	-0.04µg/L	-0.0003	0.0004	61.8601	0.0001	4.1240	11:13:33
	-0.04µg/L	-0.04µg/L	-0.0003	0.0004	61.8601	0.0001	4.1240	11:14:02
QC value within specified limits.								
Mean:	-0.04µg/L	-0.04µg/L	-0.0003					
SD:	0.00µg/L	0.00µg/L	0.00000					
%RSD:	0.48		1.47					

Seq. No.	9	AS Loc:	17	Date:	5/ 2/08			
Sample ID:	MB-36165							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	-0.05µg/L	-0.05µg/L	-0.0004	-0.0000	61.8599	0.0000	4.1240	11:14:52
	-0.05µg/L	-0.05µg/L	-0.0004	0.0001	61.8601	0.0000	4.1240	11:15:21
Mean:	-0.05µg/L	-0.05µg/L	-0.0004					
SD:	0.00µg/L	0.00µg/L	0.00002					
%RSD:	1.81		4.55					

Seq. No.	10	AS Loc:	18	Date:	5/ 2/08			
Sample ID:	LCS-36165							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	4.82µg/L	4.82µg/L	0.0980	0.3797	61.8600	0.0984	4.1240	11:16:11
	4.84µg/L	4.84µg/L	0.0985	0.3794	61.8597	0.0989	4.1240	11:16:40
Mean:	4.83µg/L	4.83µg/L	0.0983					
SD:	0.02µg/L	0.02µg/L	0.00031					
%RSD:	0.31		0.31					

Seq. No.	11	AS Loc:	19	Date:	5/ 2/08			
Sample ID:	G0580-01A							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	-0.03µg/L	-0.03µg/L	-0.0000	0.0009	61.8598	0.0004	4.1240	11:17:30
	-0.03µg/L	-0.03µg/L	-0.0000	0.0010	61.8600	0.0004	4.1240	11:18:00

Mean:	-0.03µg/L	-0.03µg/L	-0.0000
SD:	0.00µg/L	0.00µg/L	0.00001
%RSD:	2.21		43.73

Seq. No.	12	**AS Loc:**	20	**Date:**	5/ 2/08			
Sample ID:	G0583-01A							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	1.85µg/L	1.85µg/L	0.0380	0.1475	61.8598	0.0384	4.1240	11:18:50
	1.86µg/L	1.86µg/L	0.0381	0.1489	61.8598	0.0385	4.1240	11:19:19
Mean:	1.85µg/L	1.85µg/L	0.0381					
SD:	0.00µg/L	0.00µg/L	0.00006					
%RSD:	0.16		0.16					

Seq. No.	13	**AS Loc:**	21	**Date:**	5/ 2/08			
Sample ID:	G0583-02A							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	-0.05µg/L	-0.05µg/L	-0.0004	-0.0003	61.8588	0.0000	4.1239	11:20:10
	7.22µg/L	7.22µg/L	0.1467	0.5728	61.8596	0.1471	4.1240	11:20:39
Mean:	3.59µg/L	3.59µg/L	0.0732					
SD:	5.14µg/L	5.14µg/L	0.10400					
%RSD:	143.25		142.16					

Seq. No.	14	**AS Loc:**	22	**Date:**	5/ 2/08			
Sample ID:	G0583-03A							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	0.47µg/L	0.47µg/L	0.0101	0.0412	61.8598	0.0105	4.1240	11:21:29
	0.48µg/L	0.48µg/L	0.0102	0.0422	61.8590	0.0106	4.1239	11:21:59
Mean:	0.47µg/L	0.47µg/L	0.0101					
SD:	0.00µg/L	0.00µg/L	0.00009					
%RSD:	0.89		0.85					

Seq. No.	15	**AS Loc:**	23	**Date:**	5/ 2/08			
Sample ID:	G0583-04A							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	1.28µg/L	1.28µg/L	0.0265	0.1044	61.8598	0.0269	4.1240	11:22:49
	1.29µg/L	1.29µg/L	0.0266	0.1040	61.8599	0.0270	4.1240	11:23:18
Mean:	1.28µg/L	1.28µg/L	0.0265					
SD:	0.00µg/L	0.00µg/L	0.00007					
%RSD:	0.28		0.27					

Seq. No.	16	**AS Loc:**	24	**Date:**	5/ 2/08			
Sample ID:	G0583-05A							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	15.92µg/L	15.92µg/L	0.3227	1.2751	61.8597	0.3231	4.1240	11:24:08
Sample absorbance is greater than that of the highest standard.								
	15.91µg/L	15.91µg/L	0.3224	1.1615	61.8521	0.3228	4.1235	11:24:38
Sample absorbance is greater than that of the highest standard.								
Mean:	15.91µg/L	15.91µg/L	0.3226					
SD:	0.01µg/L	0.01µg/L	0.00021					
%RSD:	0.07		0.07					
Sample absorbance is greater than that of the highest standard.								

Seq. No.	17	**AS Loc:**	7	**Date:**	5/ 2/08			
Sample ID:	CCV							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	4.37µg/L	4.37µg/L	0.0890	0.3409	61.8608	0.0894	4.1240	11:25:29

Hg	4.43µg/L	4.43µg/L	0.0902	0.3440	61.8596	0.0906	4.1240	11:25:58
QC value within specified limits.								
Mean:	4.40µg/L	4.40µg/L	0.0896					
SD:	0.04µg/L	0.04µg/L	0.00082					
%RSD:	0.92		0.91					

Seq. No. 18 **AS Loc:** 1 **Date:** 5/ 2/08
Sample ID: CCB

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	-0.04µg/L	-0.04µg/L	-0.0002	0.0008	61.8622	0.0002	4.1241	11:26:50
	-0.04µg/L	-0.04µg/L	-0.0002	0.0012	61.8622	0.0002	4.1242	11:27:19
QC value within specified limits.								
Mean:	-0.04µg/L	-0.04µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00000					
%RSD:	0.46		2.06					

Seq. No. 19 **AS Loc:** 25 **Date:** 5/ 2/08
Sample ID: G0583-06A

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	10.11µg/L	10.11µg/L	0.2051	0.7894	61.8647	0.2055	4.1243	11:28:11
	10.15µg/L	10.15µg/L	0.2059	0.7908	61.8602	0.2063	4.1240	11:28:40
Mean:	10.13µg/L	10.13µg/L	0.2055					
SD:	0.03µg/L	0.03µg/L	0.00052					
%RSD:	0.25		0.25					

Seq. No. 20 **AS Loc:** 26 **Date:** 5/ 2/08
Sample ID: G0583-08A

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	2.53µg/L	2.53µg/L	0.0518	0.1977	61.8657	0.0522	4.1244	11:29:31
	2.52µg/L	2.52µg/L	0.0515	0.1976	61.8678	0.0519	4.1245	11:29:59
Mean:	2.53µg/L	2.53µg/L	0.0517					
SD:	0.01µg/L	0.01µg/L	0.00023					
%RSD:	0.45		0.44					

Seq. No. 21 **AS Loc:** 27 **Date:** 5/ 2/08
Sample ID: G0583-08ADUP

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	1.62µg/L	1.62µg/L	0.0333	0.1279	61.8704	0.0337	4.1247	11:30:50
	1.63µg/L	1.63µg/L	0.0336	0.1293	61.8711	0.0339	4.1247	11:31:19
Mean:	1.62µg/L	1.62µg/L	0.0334					
SD:	0.01µg/L	0.01µg/L	0.00020					
%RSD:	0.62		0.61					

Seq. No. 22 **AS Loc:** 28 **Date:** 5/ 2/08
Sample ID: G0583-08AMS

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.69µg/L	5.69µg/L	0.1157	0.4447	61.8725	0.1161	4.1248	11:32:09
	5.72µg/L	5.72µg/L	0.1163	0.4468	61.8714	0.1167	4.1248	11:32:38
Mean:	5.71µg/L	5.71µg/L	0.1160					
SD:	0.02µg/L	0.02µg/L	0.00043					
%RSD:	0.38		0.37					

Seq. No. 23 **AS Loc:** 29 **Date:** 5/ 2/08
Sample ID: G0583-09A

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	3.47µg/L	3.47µg/L	0.0708	0.2683	61.8725	0.0712	4.1248	11:33:28

Prep Logbooks

- [x] ICP
- [x] Mercury
- [ ] Cyanide
- [x] Percent Solids

COMM. SOIL 10:20 **MITKEM LABORATORIES: Soil/Solid Metals Prep Logbook** G0580

Date	Sample ID	Client ID	Sample Wt. (g)	Sample Color Before	Texture	1:1 HNO_3 ml	Conc. HNO_3 ml	30% H_2O_2 ml	Conc. HCl ml	Sample Color After	Sample Clarity After	Final Volume ml	Comments	Analyst
4/30/08	MB-36141	—	1.00	—	—	5	2.5	5	5	—	—	50		BV
	LCS-36141 BV 4/30/08		1.00									50		
	G0373 18A		1.93									50		
	G0565 06C		1.89									50		
	G0580 01A		1.83									50		
	G0583 01A		1.80									50		
	02A		1.87									50		
	03A		1.96									50		
	04A		1.69									50		
	05A		1.74									50		
	06A		1.87									50		
	08A		1.86									50		
	08ADUP		1.86									50		
	08AMS		1.86									50		
	11A		1.82									50		
	12A		1.83									50		
4/30/08	G0583 14A	—	1.98	—	—	5	2.5	5	5	—	—	50		BV

HCl Lot# 4107090
HNO3 Lot# E50037
H2O2 Lot# 074921

Method: 3005B
SOP#: 100.0104

Digestion Temp: 95 oC
LCS/Spike Lot No.: I080114F-455ml
I071008D 2 45.5ml
I071008E

RELINQUISHED TO: JPW 4/30/08

Reviewed By: KD

Logbook ID 100.0124-04/08

COMM. Soil Hg — MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc. : Mercury Digestion Logbook — G0580

Date	Bottle No.	Sample ID		Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
5/1/08	238	S0.0		—	100	—	—	15	—	5	100		BV
	241	S0.2			0.04/100						100	II080418A	
	320	S1.0			0.2/100						100		
	216	S2.0			0.4/100						100		
	108	S5.0			1.0/100						100		
	326	S10.0			2.0/100						100	II080418A	
	328K	LCV			1.0/100						100	II080428B	
	213	MB-36165			0.60						100		
	157	LCS-36165			0.60						100		
	147	G0580	01A		0.74						100		
	232	G0583	01A		0.70						100		
	228		02A		0.72						100		
	3230		03A		0.67						100		
	195		04A		0.71						100		
	237		05A		0.66						100		
5/1/08	225	G0583	06A	—	0.66	—	—	15	—	5	100		BV

Waters
In: —
Out: N/A
Matrix: Aqueous

Soils
In: 11:40 Out: 11:42
In: 11:50 Out: 12:20
Matrix: Soil/Solid

LCSS ID II080428A
LCSS volume: 1ml
Spike ID II080428A
Spike volume: 1ml

Temp: 95 °C
H_2SO_4 Lot # —
HNO_3 Lot # E50037
HCl Lot # 4107090
KMnO4 ID # IR080428aJ
K2S2O8 ID# —
Method # SW 7471A

RELINQUISHED TO: JRW 5/1/08

Reviewed by: KB

Percent Moisture and Percent Solids Report

Mitkem Sample ID	Client Sample ID	Analyzed	Percent Moisture	Percent Solids	Validated
G0580-01A	130173-MW-2-10-12	05/05/2008	4	96	Yes

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

June 11, 2008

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

RE: Client Project: Shames Drive Waste Classification
Lab Work Order #: G0727

Dear Ms. Beattie:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Shirley Ng
Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
130173-MW3-SC	G0727-01	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW3-SC	G0727-01			SW8082_W	SW7470	
130173-MW4-SC	G0727-02	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW4-SC	G0727-02			SW8082_W	SW7470	
130173-MW5-SC	G0727-03	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW5-SC	G0727-03			SW8082_W	SW7470	
130173-MW1-SC	G0727-04	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW1-SC	G0727-04			SW8082_W	SW7470	
130173-MW2-SC	G0727-05	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW2-SC	G0727-05			SW8082_W	SW7470	
130173-MW6-SC	G0727-06	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW6-SC	G0727-06			SW8082_W	SW7470	
130173-TBSH08	G0727-07	SW8260_W				
130173-DW-COMP	G0727-08	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-DW-COMP	G0727-08			SW8082_W	SW7470	

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
G0727-01B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-02B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-03B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-04B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-05B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-06B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-07A	AQ	5/14/2008	5/15/2008	NA	5/25/2008
G0727-08A	AQ	5/14/2008	5/15/2008	NA	5/25/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive – Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
G0727-01A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-02A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-03A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-04A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-05A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-06A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-08B	AQ	5/14/2008	5/15/2008	5/20/2008	5/29/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8081_W					
G0727-01A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-02A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-03A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-04A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-05A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-06A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-08B	AQ	5/14/2008	5/15/2008	5/19/2008	5/27/2008
SW8082_W					
G0727-01A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-02A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-03A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-04A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-05A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-06A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-08B	AQ	5/14/2008	5/15/2008	5/19/2008	5/28/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive – Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
G0727-01B	SL	SW8260_W	NA	LOW	1
G0727-02B	SL	SW8260_W	NA	LOW	1
G0727-03B	SL	SW8260_W	NA	LOW	1
G0727-04B	SL	SW8260_W	NA	LOW	1
G0727-05B	SL	SW8260_W	NA	LOW	1
G0727-06B	SL	SW8260_W	NA	LOW	1
G0727-07A	AQ	SW8260_W	NA	LOW	1
G0727-08A	AQ	SW8260_W	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
G0727-01A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-02A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-03A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-04A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-05A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-06A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-08B	AQ	SW8270_W	BNA_W_PR	NA	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : Shames Drive – Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8081_W					
G0727-01A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-02A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-03A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-04A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-05A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-06A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-08B	AQ	SW8081_W	PEST_W_PR	Sulfur	1
SW8082_W					
G0727-01A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-02A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-03A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-04A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-05A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-06A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-08B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
G0727-01A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-01ADUP	SL	SW6010_W	5/14/2008	5/19/2008
G0727-01AMS	SL	SW6010_W	5/14/2008	5/19/2008
G0727-02A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-03A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-04A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-05A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-06A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-08E	AQ	SW6010_W	5/15/2008	5/19/2008
SW7470				
G0727-01A	SL	SW7470	5/14/2008	5/20/2008
G0727-01ADUP	SL	SW7470	5/14/2008	5/20/2008
G0727-01AMS	SL	SW7470	5/14/2008	5/20/2008
G0727-02A	SL	SW7470	5/14/2008	5/20/2008
G0727-03A	SL	SW7470	5/14/2008	5/20/2008
G0727-04A	SL	SW7470	5/14/2008	5/20/2008
G0727-05A	SL	SW7470	5/14/2008	5/20/2008
G0727-06A	SL	SW7470	5/14/2008	5/20/2008
G0727-08E	AQ	SW7470	5/15/2008	5/20/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary Toxicity Characteristic Leaching Procedure

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Analytical Protocol	Date Collected	Date Received By Lab	Date Extracted
SW1311					
G0727-01A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-01B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-02A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-03A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-04A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-05A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-06A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-02B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-03B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-04B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-05B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-06B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008

Analytical Data Package for CDM

Client Project No.: Shames Drive Waste Classification

Mitkem Work Order ID: G0727

June 11, 2008

Prepared For:

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to CDM's Shames Drive Waste Classification project. Under this deliverable, analysis results are presented for six soil and two aqueous samples that were received on May 14, 2008. Analyses were performed per specification in project contract, discussion with client and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category A deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. TCLP Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

3. TCLP Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits with the exception of pyridine in S1PLCS, S1XLCS and S1XLCSD.

Sample analysis: no unusual observation was made for the analysis.

4. TCLP Pesticide Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

5. TCLP Aroclor Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

6. TCLP Metals and Cyanide Analysis:

Lab control sample: spike recoveries were within the QC limits.

Matrix spike analysis: matrix spike was performed on sample 130173-MW3-SC for metal analysis. Spike recoveries were within the QC limits.

Duplicate analysis: duplicate was performed on sample 130173-MW3-SC for metal analysis. Percent recoveries were within the QC limits.

Sample analysis: serial dilution was performed on sample 130173-MW3-SC for metal analysis. Percent recoveries were within the QC limits. No unusual observation was made for the analysis.

7. Wet Chemistry analysis:

Lab control sample: spike recoveries were within the QC limits. The lab control sample for reactive cyanide typically results in a percent recovery of approximately 10%. This indicates the analysis is only measuring the correct type of cyanide. The LCS is performed with a "total" cyanide spike, only a small portion of which is "reactive". Recovery of significantly greater than this level in the analysis of the LCS indicates the test is over estimating the concentration of reactive cyanide.

Duplicate analysis: duplicate was performed on sample 130173-MW3-SC, 130173-MW4-SC, 130173-MW5-SC, 130173-MW1-SC, 130173-MW6-SC and 130173-DW-COMP for ignitability analysis. Percent recoveries were within the QC limits.

Sample analysis: for flashpoint analysis, the result of "Flame out" indicates that no flash was observed, or that non-flammable vapors from the sample extinguished the test flame at the temperature indicated. Where non-flammable vapors from the sample extinguished the test flame below 140 degrees, the sample temperature was elevated to at least 140 degrees, and re-exposed to the test flame. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager
06/11/08

Mitkem Laboratories — *10/Jun/08 14:10* — WorkOrder: G0727

Client ID: CDM_NJ
Project: Shames Drive
Location: WASTE CLASSIFICATION
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-A
EDD: MEDD4_2-3
HC Due: 06/05/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-01A	130173-MW3-SC	05/13/2008 10:00	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-01B	130173-MW3-SC	05/13/2008 10:00	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-02A	130173-MW4-SC	05/13/2008 10:15	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5

Client Rep: Shirley S Ng

0897

Client ID: CDM_NJ
Project: Shames Drive
Location: WASTE CLASSIFICATION
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-A
EDD: MEDD4_2-3
HC Due: 06/05/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-02A	130173-MW4-SC	05/13/2008 10:15	05/14/2008	Soil	SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-02B	130173-MW4-SC	05/13/2008 10:15	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-03A	130173-MW5-SC	05/13/2008 10:25	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5

Client Rep: Shirley S Ng

0897

Client ID: CDM_NJ **Case:** **Report Level:** ASP-A
Project: Shames Drive **SDG:** **EDD:** MEDD4_2-3
Location: WASTE CLASSIFICATION **PO:** 0897-59317 **HC Due:** 06/05/08
Comments: N/A **Fax Due:**

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-03A	130173-MW5-SC	05/13/2008 10:25	05/14/2008	Soil	SW9045_S		☐	☐	☐	A5
G0727-03B	130173-MW5-SC	05/13/2008 10:25	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-04A	130173-MW1-SC	05/13/2008 10:45	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-04B	130173-MW1-SC	05/13/2008 10:45	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-05A	130173-MW2-SC	05/13/2008 11:10	05/14/2008	Soil	PMoist		☐	☐	☐	A5

Client Rep: Shirley S Ng

1999

Client ID: CDM_NJ **Case:** **Report Level:** ASP-A
Project: Shames Drive **SDG:** **EDD:** MEDD4_2-3
Location: WASTE CLASSIFICATION **PO:** 0897-59317 **HC Due:** 06/05/08
Comments: N/A **Fax Due:**

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-05A	130173-MW2-SC	05/13/2008 11:10	05/14/2008	Soil	SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-05B	130173-MW2-SC	05/13/2008 11:10	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-06A	130173-MW6-SC	05/13/2008 11:25	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5

Client Rep: Shirley S Ng

0000

Client ID: CDM_NJ
Project: Shames Drive
Location: WASTE CLASSIFICATION
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-A
EDD: MEDD4_2-3
HC Due: 06/05/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-06A	130173-MW6-SC	05/13/2008 11:25	05/14/2008	Soil	SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-06B	130173-MW6-SC	05/13/2008 11:25	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-07A	130173-TBSH08	05/14/2008 0:00	05/15/2008	Aqueous	SW8260_W	TCLP	☐	☐	☑	VOA
G0727-08A	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	SW8260_W	TCLP	☐	☐	☑	VOA
G0727-08B	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	FILTER_O_PR	TCLP_PEST_W	☑	☐	☐	C3
					FILTER_O_PR	TCLP_PCB_W	☑	☐	☐	C3
					FILTER_O_PR	TCLP_SVOA_W	☐	☐	☐	C3
					SW8081_W	TCLP_PEST_W	☐	☐	☑	C3
					SW8082_W	TCLP_PCB_W	☐	☐	☑	C3
					SW8270_W	TCLP_SVOA_W	☐	☐	☑	C3

Client Rep: Shirley S Ng

Mitkem Laboratories

10/Jun/08 14:10

WorkOrder: G0727

Client ID: CDM_NJ
Project: Shames Drive
Location: WASTE CLASSIFICATION
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-A
EDD: MEDD4_2-3
HC Due: 06/05/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-08C	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	SW9012_W		☐	☐	☐	C3
G0727-08D	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	SM4500_H+		☐	☐	☐	C3
					SW1010_W		☐	☐	☐	C3
					SW7.3.3.2_W	REACTIVITY	☐	☐	☐	C3
					SW7.3.4.2_W	REACTIVITY	☐	☐	☐	C3
G0727-08E	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	FILTER_I_PR	TCLP_METALS_W	☐	☐	☐	M6
					SW6010_W	TCLP_METALS_W	☐	☐	☑	M6
					SW7470	TCLP_METALS_W	☐	☐	☐	M6

Client Rep: Shirley S Ng

Sample Transmittal Documentation

MITKEM LABORATORIES

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Beattie
COM
Raritan Plaza 1 Raritan Center
Edison NJ 08818
Project Mgr.: J. Beattie

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: Shames Drive
Location: Westbury State: NY
Sampler(s): Frank Robinson

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Ice	Analyses: SVOCs	Pest	metals	mercury	CN/Sulfide	Flashpoint	pH	total CN	QA Reporting Notes: (check if needed)
G0727-01	130173-MW3-SC	5/13/08	1000	C	SO			3	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	☐ Provide MA DEP MCP CAM Report
02	130173-MW4-SC	5/13/08	1015	C	SO			3	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	☐ Provide CT DEP RCP Report
03	130173-MW5-SC	5/13/08	1025	C	SO			3	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	**QA/QC Reporting Level**
04	130173-MW1-SC	5/13/08	1045	C	SO			4			✓	✓	✓	✓	✓	✓	✓	✓	✓	☐ Standard ☐ No QC
05	130173-MW2-SC	5/13/08	1110	C	SO			4			✓	✓	✓	✓	✓	✓	✓	✓	✓	☐ Other _____
G0727 06	130173-MW6-SC	5/13/08	1125	C	SO			4			✓	✓	✓	✓	✓	✓	✓	✓	✓	State specific reporting standards:

☐ Fax results when available to (_____) _____
☐ E-mail to _____
EDD Format _____
Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 2

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Frank Robinson	5/13/08	1300	CS Mackenzie	5/14/08	8:45

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Beattie
COM
Raritan Plaza I Raritan Center
Edison NJ 08818
Project Mgr.: J. Beattie

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: Shames Drive
Location: Westbury State: NY
Sampler(s): Frank Robinson

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id: G5727	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Voc	Analyses: SVOC	Total CN	metals / Hg	pH	Flashpoint	Reactive CN+S/R Ck			QA Reporting Notes: (check if needed)
01	130173-TB-51408	5/14/08	—			2	2				✓									Trip Blank
08	130173-DW-comp	5/14/08	0730	C	GW		3			3	✓	✓	✓	✓	✓	✓	✓			

QA Reporting Notes (check if needed):
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
- ☐ Standard ☐ No QC
- ☐ Other _____

State specific reporting standards: _____

Relinquished by:	Received by:	Date:	Time:
Frank Min 5/14/08 0800			
	C9/Acton	5/15/08	9:23

☐ Fax results when available to (_____) _____
☐ E-mail to _____
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5.0

MITKEM LABORATORIES

Sample Condition Form

Received By: CAN | Reviewed By: VEG | Date 5/14/08 | MITKEM Workorder #: G0727

Client Project: Stames Drive | Client: CDM NJ

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0727	01					US	
↓	02					↓	
	03						
	04						
↓	05					↓	
G0727	06					US	

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) NA

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 2°C
Coolant Condition Ice

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 866516791551

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 5-14-08

9) Time Received 8:45

Preservative Name/Lot No:

CAN 5-14-08

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

MITKEM LABORATORIES

Sample Condition Form

Received By: CAN | Reviewed By: SN | Date: 5/15/08 | MITKEM Workorder # G0727

Client Project: Shames Waste | Client: CDM NJ

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) NA

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 6°C
Coolant Condition ICE

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 866506391563

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 5/15/08

9) Time Received 9:23

Preservative Name/Lot No:
*E50037-HNO3

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0727	07					H	
G0727	08	<2				H	

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

Shirley Ng

From: "Beattie, Jessica" <BeattieJR@cdm.com>
To: "Shirley Ng" <sng@mitkem.com>
Cc: "Jim Stadelmaier" <jstadelmaier@mitkem.com>
Sent: Wednesday, May 14, 2008 9:25 PM
Attach: Mitkem Bid Form.pdf
Subject: RE: Shames Drive Industrial Park samples received

Hi Shirley –
These should be waste classification samples so analyses should be for: **TCLP** VOCs, **TCLP** SVOCs, **TCLP** Pest/PCBs, **TCLP** Metals, reactive cyanide & sulfide, flashpoint, pH, and total cyanide. You should be receiving water samples tomorrow from the Shames site that should also be waste classification.

Sorry I didn't include these in the SOW I emailed you. Prices should follow the MSA for the NYSDEC standby contract (see attached).

Thanks,
Jessica Beattie

From: Shirley Ng [mailto:sng@mitkem.com]
Sent: Wednesday, May 14, 2008 3:09 PM
To: Beattie, Jessica
Cc: Jim Stadelmaier
Subject: Shames Drive Industrial Park samples received
Importance: High

Jessica,

We've got 6 soil samples from Shames Drive site. On the COC, it ask for Sulfide, flashpoint, pH, CN and Pest. >From the SOW you e-mailed me, I don't see these analysis were included. I just want to confirm they are what you want. And for the prices, I found some prices from our Solvent Finishers contract with the exception of Sulfide. Can I use these prices apply for this project ?

Thanks
Shirley

----- Original Message -----
From: Beattie, Jessica
To: Shirley Ng
Cc: Koberle, Melissa ; O'Hare, Sean
Sent: Tuesday, April 15, 2008 11:53 AM
Subject: Shames Drive Industrial Park

Hello Shirley –
Ed should be passing along the info to you for the Shames Drive site in Westbury, NY. We will be conducting sampling at that site next week.

Attached is a copy of the sample summary sheet, in case you don't have it. We will need to get the soil jars and air canisters/regulators delivered to the Edison, NJ office on Monday (4/21).
We won't need the water sample bottles for a couple of weeks

We would like fourteen (14) 3.4 L summas with 2-hour regulators. Please confirm that we need to have **a final vacuum of no more than -2"hg** to meet the required detection limit as you indicated previously.

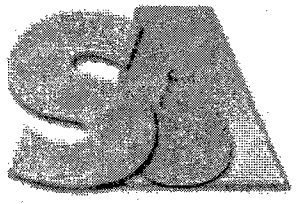
Please have the bottle order sent to the attention of Sean O'Hare.

Any questions just let me know!
Thanks,
Jessica

Jessica R. Beattie, P.G.

CDM | **consulting · engineering · construction · operations**
Raritan Plaza I
Edison, NJ 08818
Direct: (732) 590-4609
Email: beattiejr@cdm.com

MITKEM LABORATORIES



* TCLP Volatiles *

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7770.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 9.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	6.3	
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7771.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 5.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7772.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 5.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7773.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 2.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7774.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 3.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7775.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 4.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-TBSH08

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7821.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/15/2008

% Moisture: not dec. Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G0727-08A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V5I7822.D

Level: (TRACE/LOW/MED) LOW

Date Received: 05/15/2008

% Moisture: not dec.

Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	2.2	J
127-18-4	Tetrachloroethene	12	
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VS5LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36714

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7764.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	48	
75-35-4	1,1-Dichloroethene	41	
78-93-3	2-Butanone	50	
67-66-3	Chloroform	54	
56-23-5	Carbon tetrachloride	48	
107-06-2	1,2-Dichloroethane	61	
71-43-2	Benzene	53	
79-01-6	Trichloroethene	49	
127-18-4	Tetrachloroethene	43	
108-90-7	Chlorobenzene	48	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VT5LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36715

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7805.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	44	
75-35-4	1,1-Dichloroethene	49	
78-93-3	2-Butanone	44	
67-66-3	Chloroform	54	
56-23-5	Carbon tetrachloride	49	
107-06-2	1,2-Dichloroethane	58	
71-43-2	Benzene	52	
79-01-6	Trichloroethene	49	
127-18-4	Tetrachloroethene	43	
108-90-7	Chlorobenzene	47	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VS5LCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36714

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7765.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	51	
75-35-4	1,1-Dichloroethene	53	
78-93-3	2-Butanone	52	
67-66-3	Chloroform	59	
56-23-5	Carbon tetrachloride	57	
107-06-2	1,2-Dichloroethane	63	
71-43-2	Benzene	57	
79-01-6	Trichloroethene	54	
127-18-4	Tetrachloroethene	48	
108-90-7	Chlorobenzene	51	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VT5LCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36715

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7806.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	42	
75-35-4	1,1-Dichloroethene	38	
78-93-3	2-Butanone	41	
67-66-3	Chloroform	46	
56-23-5	Carbon tetrachloride	44	
107-06-2	1,2-Dichloroethane	48	
71-43-2	Benzene	44	
79-01-6	Trichloroethene	42	
127-18-4	Tetrachloroethene	38	
108-90-7	Chlorobenzene	40	

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	VBLKS5	106	97	93	97				0
02	VS5LCS	105	94	96	103				0
03	VS5LCSD	105	106	96	99				0
04	VTBLKS5	104	98	94	98				0
05	130173-MW3-SC	96	87	88	90				0
06	130173-MW4-SC	101	94	91	93				0
07	130173-MW5-SC	99	92	91	94				0
08	130173-MW1-SC	101	95	94	97				0
09	130173-MW2-SC	103	97	92	95				0
10	130173-MW6-SC	99	92	93	93				0
11	VBLKT5	107	100	96	98				0
12	VT5LCS	105	105	96	101				0
13	VT5LCSD	105	102	99	104				0
14	130173-TBSH08	105	101	95	98				0
15	130173-DW-COMP	107	97	94	97				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SW846

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

VS5LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36714 LCS Lot No.:

Date Extracted: 05/24/2008 Date Analyzed (1): 05/24/2008

Instrument ID (1): V5 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Vinyl chloride	50.0000	47.799	96		50-145
1,1-Dichloroethene	50.0000	41.2697	83		70-130
2-Butanone	50.0000	49.5991	99		30-150
Chloroform	50.0000	54.0251	108		65-135
Carbon tetrachloride	50.0000	48.4951	97		65-140
1,2-Dichloroethane	50.0000	60.8629	122		70-130
Benzene	50.0000	52.6343	105		80-120
Trichloroethene	50.0000	48.9742	98		70-125
Tetrachloroethene	50.0000	43.289	87		45-150
Chlorobenzene	50.0000	47.5633	95		80-120

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

SW846

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

VS5LCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36714 LCS Lot No.:

Date Extracted: 05/24/2008 Date Analyzed (1): 05/24/2008

Instrument ID (1): V5 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Vinyl chloride	50.0000	51.1294	102		50-145
1,1-Dichloroethene	50.0000	52.5469	105		70-130
2-Butanone	50.0000	51.5051	103		30-150
Chloroform	50.0000	59.3374	119		65-135
Carbon tetrachloride	50.0000	56.7421	113		65-140
1,2-Dichloroethane	50.0000	62.7222	125		70-130
Benzene	50.0000	57.2565	115		80-120
Trichloroethene	50.0000	53.8024	108		70-125
Tetrachloroethene	50.0000	47.6065	95		45-150
Chlorobenzene	50.0000	50.7825	102		80-120

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

SW846

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

VT5LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36715 LCS Lot No.:

Date Extracted: 05/25/2008 Date Analyzed (1): 05/25/2008

Instrument ID (1): V5 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Vinyl chloride	50.0000	43.5877	87		50-145
1,1-Dichloroethene	50.0000	48.6691	97		70-130
2-Butanone	50.0000	44.015	88		30-150
Chloroform	50.0000	54.4788	109		65-135
Carbon tetrachloride	50.0000	48.955	98		65-140
1,2-Dichloroethane	50.0000	58.4181	117		70-130
Benzene	50.0000	52.292	105		80-120
Trichloroethene	50.0000	48.9339	98		70-125
Tetrachloroethene	50.0000	42.9336	86		45-150
Chlorobenzene	50.0000	47.0576	94		80-120

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

SW846

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
VT5LCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36715 LCS Lot No.:

Date Extracted: 05/25/2008 Date Analyzed (1): 05/25/2008

Instrument ID (1): V5 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Vinyl chloride	50.0000	41.7932	84		50-145
1,1-Dichloroethene	50.0000	38.1339	76		70-130
2-Butanone	50.0000	41.3324	83		30-150
Chloroform	50.0000	45.704	91		65-135
Carbon tetrachloride	50.0000	44.0962	88		65-140
1,2-Dichloroethane	50.0000	48.42	97		70-130
Benzene	50.0000	44.4308	89		80-120
Trichloroethene	50.0000	41.9398	84		70-125
Tetrachloroethene	50.0000	38.3632	77		45-150
Chlorobenzene	50.0000	40.2009	80		80-120

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

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKS5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: V5I7763.D Lab Sample ID: MB-36714

Instrument ID: V5

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/24/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 15:49

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VS5LCS	LCS-36714	V5I7764.D	16:16
02	VS5LCSD	LCSD-36714	V5I7765.D	16:43

COMMENTS:

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKS5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36714

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7763.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VTBLKS5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: V5I7769.D Lab Sample ID: MB-78807

Instrument ID: V5

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/24/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 18:48

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	130173-MW3-SC	G0727-01B	V5I7770.D	19:15
02	130173-MW4-SC	G0727-02B	V5I7771.D	19:42
03	130173-MW5-SC	G0727-03B	V5I7772.D	20:09
04	130173-MW1-SC	G0727-04B	V5I7773.D	20:35
05	130173-MW2-SC	G0727-05B	V5I7774.D	21:02
06	130173-MW6-SC	G0727-06B	V5I7775.D	21:29

COMMENTS:

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VTBLKS5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78807

Sample wt/vol: #Error (g/mL) ML Lab File ID: V5I7769.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKT5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: V5I7804.D Lab Sample ID: MB-36715

Instrument ID: V5

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/25/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:50

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VT5LCS	LCS-36715	V5I7805.D	11:17
02	VT5LCSD	LCSD-36715	V5I7806.D	11:44
03	130173-TBSH08	G0727-07A	V5I7821.D	18:28
04	130173-DW-COMP	G0727-08A	V5I7822.D	18:54

COMMENTS:

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKT5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36715

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7804.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

MITKEM LABORATORIES



* TCLP Semivolatiles *

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6898.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6898.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6899.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6899.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6900.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6900.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6901.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6901.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6902.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6902.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6903.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6903.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7055.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/15/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
110-86-1	Pyridine	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7055.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/15/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1PLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36518

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6893.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	140	
95-48-7	2-Methylphenol	140	
106-44-5	4-Methylphenol	130	
67-72-1	Hexachloroethane	150	
98-95-3	Nitrobenzene	160	
87-68-3	Hexachlorobutadiene	150	
88-06-2	2,4,6-Trichlorophenol	160	
95-95-4	2,4,5-Trichlorophenol	150	
121-14-2	2,4-Dinitrotoluene	160	
118-74-1	Hexachlorobenzene	180	
87-86-5	Pentachlorophenol	120	
110-86-1	Pyridine	57	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1XLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36584

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7053.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	41	
95-48-7	2-Methylphenol	28	
106-44-5	4-Methylphenol	27	
67-72-1	Hexachloroethane	35	
98-95-3	Nitrobenzene	35	
87-68-3	Hexachlorobutadiene	39	
88-06-2	2,4,6-Trichlorophenol	45	
95-95-4	2,4,5-Trichlorophenol	46	
121-14-2	2,4-Dinitrotoluene	47	
118-74-1	Hexachlorobenzene	48	
87-86-5	Pentachlorophenol	29	
110-86-1	Pyridine	22	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1PLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36518

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6894.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	140	
95-48-7	2-Methylphenol	130	
106-44-5	4-Methylphenol	130	
67-72-1	Hexachloroethane	140	
98-95-3	Nitrobenzene	160	
87-68-3	Hexachlorobutadiene	140	
88-06-2	2,4,6-Trichlorophenol	160	
95-95-4	2,4,5-Trichlorophenol	150	
121-14-2	2,4-Dinitrotoluene	150	
118-74-1	Hexachlorobenzene	160	
87-86-5	Pentachlorophenol	110	
110-86-1	Pyridine	110	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.: S1XLCSD

Lab Name: MITKEM LABORATORIES | Contract:

Lab Code: MITKEM | Case No.: | Mod. Ref No.: | SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER | Lab Sample ID: LCSD-36584

Sample wt/vol: 1000 (g/mL) ML | Lab File ID: S1F7054.D

Level: (LOW/MED) LOW | Extraction: (Type) SEPF

% Moisture: | Decanted: (Y/N) | Date Received:

Concentrated Extract Volume: 1000 (uL) | Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) | GPC Factor: 1.00 | Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N | pH: | Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	38	
95-48-7	2-Methylphenol	24	
106-44-5	4-Methylphenol	24	
67-72-1	Hexachloroethane	33	
98-95-3	Nitrobenzene	34	
87-68-3	Hexachlorobutadiene	33	
88-06-2	2,4,6-Trichlorophenol	42	
95-95-4	2,4,5-Trichlorophenol	43	
121-14-2	2,4-Dinitrotoluene	43	
118-74-1	Hexachlorobenzene	46	
87-86-5	Pentachlorophenol	25	
110-86-1	Pyridine	17	J

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	SBLK1P	89	88	91	71	83	88			0
02	S1PLCS	91	92	89	69	81	102			0
03	S1PLCSD	88	91	86	65	82	95			0
04	130173-MW3-SC	96	92	79	67	82	91			0
05	130173-MW4-SC	96	97	89	67	80	98			0
06	130173-MW5-SC	94	95	77	66	80	91			0
07	130173-MW1-SC	92	95	83	72	82	96			0
08	130173-MW2-SC	96	97	79	73	86	89			0
09	130173-MW6-SC	94	94	86	64	79	87			0
10	SBLK1X	75	86	88	29	46	89			0
11	S1XLCS	73	88	88	28	46	93			0
12	S1XLCSD	70	85	86	27	44	90			0
13	130173-DW-COMP	72	84	88	28	44	92			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

SW846

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1PLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36518 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,4-Dichlorobenzene	166.6667	143.8694	86		30-100
2-Methylphenol	166.6667	139.6104	84		40-110
4-Methylphenol	166.6667	130.7554	78		30-110
Hexachloroethane	166.6667	146.4668	88		30-95
Nitrobenzene	166.6667	155.8894	94		45-110
Hexachlorobutadiene	166.6667	145.5298	87		25-105
2,4,6-Trichlorophenol	166.6667	164.0903	98		50-115
2,4,5-Trichlorophenol	166.6667	151.4447	91		50-110
2,4-Dinitrotoluene	166.6667	155.9659	94		50-120
Hexachlorobenzene	166.6667	177.9732	107		50-110
Pentachlorophenol	166.6667	116.16	70		40-115
Pyridine	166.6667	56.9895	34	*	45-135

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

LCS Recovery: 1 out of 12 outside limits.

COMMENTS:

SW846

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1PLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36518 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,4-Dichlorobenzene	166.6667	135.7292	81		30-100
2-Methylphenol	166.6667	132.9831	80		40-110
4-Methylphenol	166.6667	125.8868	76		30-110
Hexachloroethane	166.6667	135.8456	82		30-95
Nitrobenzene	166.6667	158.1893	95		45-110
Hexachlorobutadiene	166.6667	142.3224	85		25-105
2,4,6-Trichlorophenol	166.6667	155.8869	94		50-115
2,4,5-Trichlorophenol	166.6667	148.5641	89		50-110
2,4-Dinitrotoluene	166.6667	151.0175	91		50-120
Hexachlorobenzene	166.6667	157.9798	95		50-110
Pentachlorophenol	166.6667	106.5789	64		40-115
Pyridine	166.6667	111.8894	67		45-135

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

LCS Recovery: 0 out of 12 outside limits.

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1XLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36584 LCS Lot No.:

Date Extracted: 05/20/2008 Date Analyzed (1): 05/29/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,4-Dichlorobenzene	50.0000	40.8816	82		30-100
2-Methylphenol	50.0000	28.1439	56		40-110
4-Methylphenol	50.0000	26.9845	54		30-110
Hexachloroethane	50.0000	35.2586	71		30-95
Nitrobenzene	50.0000	35.398	71		45-110
Hexachlorobutadiene	50.0000	38.7603	78		25-105
2,4,6-Trichlorophenol	50.0000	44.7656	90		50-115
2,4,5-Trichlorophenol	50.0000	45.8125	92		50-110
2,4-Dinitrotoluene	50.0000	46.9521	94		50-120
Hexachlorobenzene	50.0000	48.4499	97		50-110
Pentachlorophenol	50.0000	28.9193	58		40-115
Pyridine	50.0000	22.2158	44	*	45-135

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

LCS Recovery: 1 out of 12 outside limits.

COMMENTS:

SW846

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1XLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36584 LCS Lot No.:

Date Extracted: 05/20/2008 Date Analyzed (1): 05/29/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,4-Dichlorobenzene	50.0000	38.2074	76		30-100
2-Methylphenol	50.0000	24.2258	48		40-110
4-Methylphenol	50.0000	23.9272	48		30-110
Hexachloroethane	50.0000	32.8619	66		30-95
Nitrobenzene	50.0000	33.8995	68		45-110
Hexachlorobutadiene	50.0000	33.4376	67		25-105
2,4,6-Trichlorophenol	50.0000	42.2796	85		50-115
2,4,5-Trichlorophenol	50.0000	43.1872	86		50-110
2,4-Dinitrotoluene	50.0000	43.2348	86		50-120
Hexachlorobenzene	50.0000	45.781	92		50-110
Pentachlorophenol	50.0000	25.3936	51		40-115
Pyridine	50.0000	16.8736	34		45-135

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

LCS Recovery: 0 out of 12 outside limits.

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1P

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: S1F6892.D Lab Sample ID: MB-36512

Instrument ID: S1 Date Extracted: 05/16/2008

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/21/2008

Level: (LOW/MED) LOW Time Analyzed: 0:04

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1PLCS	LCS-36518	S1F6893.D	05/21/2008
02	S1PLCSD	LCSD-36518	S1F6894.D	05/21/2008
03	130173-MW3-SC	G0727-01A	S1F6898.D	05/21/2008
04	130173-MW4-SC	G0727-02A	S1F6899.D	05/21/2008
05	130173-MW5-SC	G0727-03A	S1F6900.D	05/21/2008
06	130173-MW1-SC	G0727-04A	S1F6901.D	05/21/2008
07	130173-MW2-SC	G0727-05A	S1F6902.D	05/21/2008
08	130173-MW6-SC	G0727-06A	S1F6903.D	05/21/2008

COMMENTS:

SW846

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1P

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36512

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6892.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	67	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1P

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36512

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6892.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: S1F7052.D Lab Sample ID: MB-36507

Instrument ID: S1 Date Extracted: 05/20/2008

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/29/2008

Level: (LOW/MED) LOW Time Analyzed: 11:51

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1XLCS	LCS-36584	S1F7053.D	05/29/2008
02	S1XLCSD	LCSD-36584	S1F7054.D	05/29/2008
03	130173-DW-COMP	G0727-08B	S1F7055.D	05/29/2008

COMMENTS:

SW846

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36507

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7052.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
110-86-1	Pyridine	20	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36507

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7052.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/20/2008 05/20/2008

EPA Sample No.(SSTD020##): SSTD0501L Date Analyzed: 05/20/2008

Lab File ID (Standard): S1F6891.D Time Analyzed: 23:31

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	112560		8.723		346202		10.841		139375		13.694	
	UPPER LIMIT	225120		9.223		692404		11.341		278750		14.194	
	LOWER LIMIT	56280		8.223		173101		10.341		69688		13.194	
	SAMPLE NO.												
01	SBLK1P	101060		8.723		365987		10.830		165788		13.694	
02	S1PLCS	108708		8.724		360506		10.831		148254		13.695	
03	S1PLCSD	130308		8.724		412537		10.831		167504		13.694	
04	130173-MW3-SC	108117		8.727		348604		10.834		150070		13.687	
05	130173-MW4-SC	156443		8.724		510389		10.831		203673		13.694	
06	130173-MW5-SC	110665		8.724		366531		10.831		155177		13.684	
07	130173-MW1-SC	129176		8.724		443576		10.831		180002		13.684	
08	130173-MW2-SC	107056		8.727		363554		10.834		151257		13.687	
09	130173-MW6-SC	132978		8.724		428371		10.831		180643		13.684	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/21/2008 05/21/2008

EPA Sample No.(SSTD020##): SSTD0501A Date Analyzed: 05/29/2008

Lab File ID (Standard): S1F7051.D Time Analyzed: 11:07

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	255058		8.335		896915		10.453		476861		13.306	
	UPPER LIMIT	510116		8.835		1793830		10.953		953722		13.806	
	LOWER LIMIT	127529		7.835		448458		9.953		238431		12.806	
	SAMPLE NO.												
01	SBLK1X	313458		8.338		1115937		10.445		591946		13.298	
02	S1XLCS	333437		8.347		1167727		10.454		597075		13.306	
03	S1XLCSD	323726		8.346		1175051		10.453		583457		13.306	
04	130173-DW-COMP	331095		8.346		1185628		10.454		614478		13.306	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/20/2008 05/20/2008

EPA Sample No.(SSTD020##): SSTD0501L Date Analyzed: 05/20/2008

Lab File ID (Standard): S1F6891.D Time Analyzed: 23:31

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	159114		16.082		138908		20.35		139216		22.479	
	UPPER LIMIT	318228		16.582		277816		20.85		278432		22.979	
	LOWER LIMIT	79557		15.582		69454		19.85		69608		21.979	
	SAMPLE NO.												
01	SBLK1P	201954		16.082		144513		20.339		123272		22.479	
02	S1PLCS	171276		16.083		138845		20.340		124009		22.469	
03	S1PLCSD	198522		16.082		159495		20.340		147585		22.468	
04	130173-MW3-SC	189079		16.075		181428		20.343		161543		22.472	
05	130173-MW4-SC	215182		16.082		155735		20.340		156248		22.479	
06	130173-MW5-SC	184639		16.083		181598		20.340		171790		22.469	
07	130173-MW1-SC	198608		16.083		168867		20.340		163808		22.469	
08	130173-MW2-SC	187413		16.075		175422		20.343		161406		22.472	
09	130173-MW6-SC	201623		16.072		156632		20.340		153451		22.469	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/21/2008 05/21/2008

EPA Sample No.(SSTD020##): SSTD0501A Date Analyzed: 05/29/2008

Lab File ID (Standard): S1F7051.D Time Analyzed: 11:07

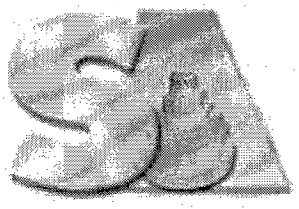
Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	726581		15.694		692103		19.962		585275		22.091	
	UPPER LIMIT	1453162		16.194		1384206		20.462		1170550		22.591	
	LOWER LIMIT	363291		15.194		346052		19.462		292638		21.591	
	SAMPLE NO.												
01	SBLK1X	869624		15.686		911371		19.954		748731		22.083	
02	S1XLCS	896987		15.694		878739		19.963		727513		22.091	
03	S1XLCSD	872297		15.694		848860		19.962		703495		22.091	
04	130173-DW-COMP	924986		15.684		926043		19.952		764407		22.080	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

MITKEM LABORATORIES



* TCLP Pesticides *

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1795F.D/E5E1795R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1796F.D/E5E1796R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1797F.D/E5E1797R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1798F.D/E5E1798R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1799F.D/E5E1799R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1800F.D/E5E1800R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1914F.D/E5E1914R.D

% Moisture: Decanted: (Y/N) Date Received: 05/15/2008

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
72-20-8	Endrin	0.10	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	5.0	U
12789-03-6	Chlordane (technical)	2.5	U

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1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS5H(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36516

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1793F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.67	
76-44-8	Heptachlor	0.63	
1024-57-3	Heptachlor epoxide	0.65	
72-20-8	Endrin	1.4	
72-43-5	Methoxychlor	7.6	
8001-35-2	Toxaphene	17	U

SW846

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCS5H(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36516

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1793R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.66	
76-44-8	Heptachlor	0.58	
1024-57-3	Heptachlor epoxide	0.64	
72-20-8	Endrin	1.3	
72-43-5	Methoxychlor	6.9	
8001-35-2	Toxaphene	17	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCS4N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36548

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1912F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.18	
76-44-8	Heptachlor	0.15	
1024-57-3	Heptachlor epoxide	0.19	
72-20-8	Endrin	0.40	
72-43-5	Methoxychlor	2.3	
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCS4N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36548

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1912R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	
76-44-8	Heptachlor	0.14	
1024-57-3	Heptachlor epoxide	0.18	
72-20-8	Endrin	0.36	
72-43-5	Methoxychlor	2.0	
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD5H(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36516

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1794F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.68	
76-44-8	Heptachlor	0.62	
1024-57-3	Heptachlor epoxide	0.65	
72-20-8	Endrin	1.4	
72-43-5	Methoxychlor	7.5	
8001-35-2	Toxaphene	17	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCSD5H(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36516

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1794R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.65	
76-44-8	Heptachlor	0.58	
1024-57-3	Heptachlor epoxide	0.63	
72-20-8	Endrin	1.3	
72-43-5	Methoxychlor	6.8	
8001-35-2	Toxaphene	17	U

SW846

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCSD4N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36548

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1913F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.20	
76-44-8	Heptachlor	0.18	
1024-57-3	Heptachlor epoxide	0.19	
72-20-8	Endrin	0.41	
72-43-5	Methoxychlor	2.3	
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCSD4N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36548

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1913R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.19	
76-44-8	Heptachlor	0.16	
1024-57-3	Heptachlor epoxide	0.19	
72-20-8	Endrin	0.38	
72-43-5	Methoxychlor	2.1	
8001-35-2	Toxaphene	5.0	U

2N - FORM II PEST-1

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	ABLK5H	74	75	99	89			0
02	ALCS5H	70	69	104	93			0
03	ALCSD5H	72	69	103	93			0
04	130173-MW3-SC	70	71	99	89			0
05	130173-MW4-SC	72	73	99	88			0
06	130173-MW5-SC	70	71	97	87			0
07	130173-MW1-SC	70	69	97	87			0
08	130173-MW2-SC	68	67	94	83			0
09	130173-MW6-SC	67	66	96	85			0
10	PBLK4N	66	67	97	79			0
11	PLCS4N	54	54	104	87			0
12	PLCSD4N	69	69	109	90			0
13	130173-DW-COMP	61	62	100	84			0

	QC LIMITS
~~TCX = Tetrachloro-m-xylene~~	~~(28-123)~~ 6/2/98 KB
TCX = Tetrachloro-m-xylene	(25-140)
DCB = Decachlorobiphenyl	(30-135)
~~DCB = Decachlorobiphenyl~~	~~(21-135)~~ 6/2/98 KB

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SW846

3L - FORM III PEST-3

WATER PESTICIDE LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS5H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36516 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/19/2008

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.6667	0.6666	100		25-135
Heptachlor	0.6667	0.6295	94		40-130
Heptachlor epoxide	0.6667	0.651	98		60-130
Endrin	1.3333	1.3832	104		55-135
Methoxychlor	6.6667	7.6387	115		55-150

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 05/19/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.6667	0.6565	98		25-135
Heptachlor	0.6667	0.5838	88		40-130
Heptachlor epoxide	0.6667	0.6354	95		60-130
Endrin	1.3333	1.2862	96		55-135
Methoxychlor	6.6667	6.8956	103		55-150

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

3L - FORM III PEST-3

WATER PESTICIDE LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD5H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36516 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/19/2008

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.6667	0.6837	103		25-135
Heptachlor	0.6667	0.6211	93		40-130
Heptachlor epoxide	0.6667	0.655	98		60-130
Endrin	1.3333	1.3603	102		55-135
Methoxychlor	6.6667	7.4804	112		55-150

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 05/19/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.6667	0.6484	97		25-135
Heptachlor	0.6667	0.5817	87		40-130
Heptachlor epoxide	0.6667	0.6327	95		60-130
Endrin	1.3333	1.2638	95		55-135
Methoxychlor	6.6667	6.805	102		55-150

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

3L - FORM III PEST-3

WATER PESTICIDE LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

PLCS4N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36548 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/27/2008

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.2000	0.1793	90		25-135
Heptachlor	0.2000	0.1548	77		40-130
Heptachlor epoxide	0.2000	0.1857	93		60-130
Endrin	0.4000	0.3984	100		55-135
Methoxychlor	2.0000	2.2576	113		55-150

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 05/27/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.2000	0.1744	87		25-135
Heptachlor	0.2000	0.1422	71		40-130
Heptachlor epoxide	0.2000	0.1808	90		60-130
Endrin	0.4000	0.3592	90		55-135
Methoxychlor	2.0000	2.0044	100		55-150

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

SW846

3L - FORM III PEST-3

WATER PESTICIDE LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

PLCSD4N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36548 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/27/2008

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.2000	0.1995	100		25-135
Heptachlor	0.2000	0.1792	90		40-130
Heptachlor epoxide	0.2000	0.1946	97		60-130
Endrin	0.4000	0.4143	104		55-135
Methoxychlor	2.0000	2.3472	117		55-150

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 05/27/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.2000	0.1929	96		25-135
Heptachlor	0.2000	0.16	80		40-130
Heptachlor epoxide	0.2000	0.1923	96		60-130
Endrin	0.4000	0.3766	94		55-135
Methoxychlor	2.0000	2.0918	105		55-150

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

4E - FORM IV PEST

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK5H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E5E1792F.D / E5E1792R.D Lab Sample ID: MB-36512

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/16/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Date Analyzed (1): 05/19/2008 Date Analyzed (2): 05/19/2008

Time Analyzed (1): 10:54 Time Analyzed (2): 10:54

Instrument ID (1): E5 Instrument ID (2): E5

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCS5H	LCS-36516	05/19/2008	05/19/2008
02	ALCSD5H	LCSD-36516	05/19/2008	05/19/2008
03	130173-MW3-SC	G0727-01A	05/19/2008	05/19/2008
04	130173-MW4-SC	G0727-02A	05/19/2008	05/19/2008
05	130173-MW5-SC	G0727-03A	05/19/2008	05/19/2008
06	130173-MW1-SC	G0727-04A	05/19/2008	05/19/2008
07	130173-MW2-SC	G0727-05A	05/19/2008	05/19/2008
08	130173-MW6-SC	G0727-06A	05/19/2008	05/19/2008

COMMENTS:

SW846

0097

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK5H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36512

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1792F.D/E5E1792R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U

4E - FORM IV PEST

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PBLK4N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E5E1911F.D / E5E1911R.D Lab Sample ID: MB-36507

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/19/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Date Analyzed (1): 05/27/2008 Date Analyzed (2): 05/27/2008

Time Analyzed (1): 14:34 Time Analyzed (2): 14:34

Instrument ID (1): E5 Instrument ID (2): E5

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	PLCS4N	LCS-36548	05/27/2008	05/27/2008
02	PLCSD4N	LCSD-36548	05/27/2008	05/27/2008
03	130173-DW-COMP	G0727-08B	05/27/2008	05/27/2008

COMMENTS:

SW846

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PBLK4N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36507

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1911F.D/E5E1911R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
72-20-8	Endrin	0.10	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	5.0	U

MITKEM
LABORATORIES



* TCLP PCB *

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6847F.D/E1G6847R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6848F.D/E1G6848R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6849F.D/E1G6849R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6850F.D/E1G6850R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6851F.D/E1G6851R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6852F.D/E1G6852R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7117F.D/E1G7117R.D

% Moisture: Decanted: (Y/N) Date Received: 05/15/2008

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1S(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6965F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	15	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	15	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1S(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6965R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	16	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	17	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1S(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6966F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	13	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	12	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1S(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6966R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	13	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	13	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7113F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	4.3	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	4.1	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7113R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	4.2	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	4.6	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7114F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.6	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	3.9	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7114R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	4.4	

2Q - FORM II ARO-1

WATER AROCLOR SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	130173-MW3-SC	64	72	83	97			0
02	130173-MW4-SC	68	77	84	97			0
03	130173-MW5-SC	64	73	82	95			0
04	130173-MW1-SC	62	70	79	91			0
05	130173-MW2-SC	64	72	78	91			0
06	130173-MW6-SC	60	68	74	85			0
07	ABLK1S	69	77	96	111			0
08	ALCS1S	76	80	106	125			0
09	ALCSD1S	65	72	92	106			0
10	ABLK1N	74	80	102	111			0
11	ALCS1N	70	76	107	116			0
12	ALCSD1N	42	45	102	111			0
13	130173-DW-COMP	65	71	100	109			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(32-89)
DCB = Decachlorobiphenyl	(40-135)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SW846

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36517 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	15.199	114		25-145
Aroclor-1260	13.3333	15.0494	113		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/21/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	15.6744	118		25-145
Aroclor-1260	13.3333	17.3424	130		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36517 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	12.6907	95		25-145
Aroclor-1260	13.3333	12.1134	91		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/21/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	12.8295	96		25-145
Aroclor-1260	13.3333	13.3383	100		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36547 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/28/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	4.2695	107		25-145
Aroclor-1260	4.0000	4.1183	103		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/28/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	4.1961	105		25-145
Aroclor-1260	4.0000	4.6172	115		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36547 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/28/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	3.6033	90		25-145
Aroclor-1260	4.0000	3.9444	99		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/28/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	3.2725	82		25-145
Aroclor-1260	4.0000	4.404	110		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E1G6964F.D / E1G6964R.D Lab Sample ID: MB-36512

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/16/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 05/21/2008 Date Analyzed (2): 05/21/2008

Time Analyzed (1): 16:31 Time Analyzed (2): 16:31

Instrument ID (1): E1 Instrument ID (2): E1

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	130173-MW3-SC	G0727-01A	05/19/2008	05/19/2008
02	130173-MW4-SC	G0727-02A	05/19/2008	05/19/2008
03	130173-MW5-SC	G0727-03A	05/19/2008	05/19/2008
04	130173-MW1-SC	G0727-04A	05/19/2008	05/19/2008
05	130173-MW2-SC	G0727-05A	05/19/2008	05/19/2008
06	130173-MW6-SC	G0727-06A	05/19/2008	05/19/2008
07	ALCS1S	LCS-36517	05/21/2008	05/21/2008
08	ALCSD1S	LCSD-36517	05/21/2008	05/21/2008

COMMENTS:

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36512

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6964F.D/E1G6964R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E1G7112F.D / E1G7112R.D Lab Sample ID: MB-36507

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/19/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 05/28/2008 Date Analyzed (2): 05/28/2008

Time Analyzed (1): 15:19 Time Analyzed (2): 15:19

Instrument ID (1): E1 Instrument ID (2): E1

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCS1N	LCS-36547	05/28/2008	05/28/2008
02	ALCSD1N	LCSD-36547	05/28/2008	05/28/2008
03	130173-DW-COMP	G0727-08B	05/28/2008	05/28/2008

COMMENTS:

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36507

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7112F.D/E1G7112R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

MITKEM LABORATORIES



* TCLP Metals *

and

Cyanide

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-DW-COMP

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-08

Level (low/med): MED Date Received: 05/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	39.9	B		P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	0.22	B		P
7439-92-1	Lead	1.2	U		P
7439-97-6	Mercury	0.048	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P
57-12-5	Cyanide	3.3	B		CA

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW1-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-04

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	241			P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	2.8	B		P
7439-92-1	Lead	3.2	B		P
7439-97-6	Mercury	0.046	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW1-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-04

Level (low/med): MED Date Received: 05/14/2008

% Solids: 98.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.13	B		CA

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW2-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-05

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	259			P
7440-43-9	Cadmium	0.11	B		P
7440-47-3	Chromium	3.4	B		P
7439-92-1	Lead	4.2	B		P
7439-97-6	Mercury	0.080	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW2-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-05

Level (low/med): MED Date Received: 05/14/2008

% Solids: 97.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.12	U		CA

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW3-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-01

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	159	B		P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	2.6	B		P
7439-92-1	Lead	5.7	B		P
7439-97-6	Mercury	0.096	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW3-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-01

Level (low/med): MED Date Received: 05/14/2008

% Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.12	U		CA

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

130173-MW4-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-02

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	217			P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	3.4	B		P
7439-92-1	Lead	5.1	B		P
7439-97-6	Mercury	0.060	B		CV
7782-49-2	Selenium	9.7	B		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW4-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-02

Level (low/med): MED Date Received: 05/14/2008

% Solids: 95.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.11	U		CA

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW5-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-03

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	206			P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	2.2	B		P
7439-92-1	Lead	4.4	B		P
7439-97-6	Mercury	0.079	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

130173-MW5-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-03

Level (low/med): MED Date Received: 05/14/2008

% Solids: 95.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.11	U		CA

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW6-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-06

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	253			P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	3.0	B		P
7439-92-1	Lead	4.0	B		P
7439-97-6	Mercury	0.053	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW6-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-06

Level (low/med): MED Date Received: 05/14/2008

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.10	U		CA

Comments:

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36580

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

FIMS1_080520B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.066	B	0.064	B	0.065	B			0.053	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36511

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

FIMS1_080520B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury									0.054	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36512

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

FIMS1_080520B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury									0.049	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-36563**

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

LACHAT1_080520B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cyanide	2.4	U	2.4	U	2.4	U	2.4	U	0.120	U	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36613

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

LACHAT1_080521A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cyanide	2.4	U	3.0	B	2.4	U			3.196	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: MB-36511

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

OPTIMA2_080519A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic	5.3	U	5.3	U	5.3	U	5.3	U	2.500	U	
Barium	8.5	U	8.5	U	8.5	U	8.5	U	11.000	U	
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	0.580	B	
Chromium	1.1	U	1.1	U	1.1	U	1.1	U	1.360	B	
Lead	2.2	U	2.2	U	2.2	U	2.2	U	5.091	B	
Selenium	6.6	U	6.6	U	6.6	U	6.6	U	5.200	U	
Silver	0.6	U	0.6	U	0.6	U	0.6	U	1.200	U	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: MB-36512

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

OPTIMA2_080519A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			5.3	U					2.500	U	
Barium			8.5	U					25.512	B	
Cadmium			0.1	U					0.110	U	
Chromium			1.1	U					0.220	U	
Lead			2.2	U					1.200	U	
Selenium			6.6	U					5.200	U	
Silver			0.6	U					1.200	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36577

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

OPTIMA2_080519A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic									2.500	U	
Barium									11.000	U	
Cadmium									0.110	U	
Chromium									0.220	U	
Lead									1.200	U	
Selenium									5.200	U	
Silver									1.200	U	

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

130173-MW3-SCS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic	75-125	494.6894		2.5000	U	455.50	108.6		P
Barium	75-125	9485.8408		158.6469	B	9100.00	102.5		P
Cadmium	75-125	237.2531		0.1100	U	227.00	104.5		P
Chromium	75-125	906.8118		2.5889	B	910.00	99.4		P
Lead	75-125	478.3421		5.6518	B	455.00	103.9		P
Selenium	75-125	491.8027		5.2000	U	455.00	108.1		P
Silver	75-125	1241.4043		1.2000	U	1130.00	109.9		P
Mercury	75-125	5.0909		0.0961	B	4.55	109.8		CV

Comments:

6

DUPLICATES

EPA SAMPLE NO.

130173-MW3-SCD

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Arsenic		2.5000	U	2.5000	U			P
Barium		158.6469	B	156.8075	B	1.2		P
Cadmium		0.1100	U	0.1100	U			P
Chromium		2.5889	B	2.0840	B	21.6		P
Lead		5.6518	B	5.0663	B	10.9		P
Selenium		5.2000	U	5.2000	U			P
Silver		1.2000	U	1.2000	U			P
Mercury		0.0961	B	0.0606	B	45.3		CV

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-36563**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cyanide				5.0	5.4		4	6.0	108.0

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LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-36577

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Arsenic	455.0	499.34	109.7						
Barium	9100.0	10024.85	110.2						
Cadmium	227.0	242.96	107.0						
Chromium	910.0	980.99	107.8						
Lead	455.0	501.91	110.3						
Selenium	455.0	487.67	107.2						
Silver	1130.0	1256.05	111.2						

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Solid LCS Source:

LCS(D) ID:
LCS-36580

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury	4.6	4.82	104.8						

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

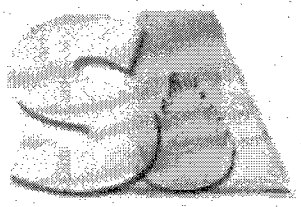
Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-36613

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cyanide	100.0	107.79	107.8						

MITKEM
LABORATORIES



* Wet Chemistry *

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW3-SC
Lab ID: G0727-01

Project: Shames Drive
Collection Date: 05/13/08 10:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 130		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.1	mg/Kg	1	05/20/2008 11:22	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.1	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	5.7		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW4-SC
Lab ID: G0727-02

Project: Shames Drive
Collection Date: 05/13/08 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 135		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:25	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	7.2		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW5-SC
Lab ID: G0727-03
Project: Shames Drive
Collection Date: 05/13/08 10:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 140		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:32	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	6.5		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW1-SC
Lab ID: G0727-04
Project: Shames Drive
Collection Date: 05/13/08 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 120		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:35	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	7.2		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW2-SC
Lab ID: G0727-05

Project: Shames Drive
Collection Date: 05/13/08 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 150		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:37	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	8.6		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW6-SC
Lab ID: G0727-06

Project: Shames Drive
Collection Date: 05/13/08 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 135		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:40	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	7.8		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-DW-COMP
Lab ID: G0727-08

Project: Shames Drive
Collection Date: 05/14/08 7:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 4500 pH -- pH VALUE							**SM4500_H+**
pH	6.4		1.0	S.U.	1	05/15/2008 10:40	R29172
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_W**
Ignitability	FLAME OUT @ 125		200	°F	1	05/17/2008 12:00	R29239
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_W**
Reactive Cyanide	ND		0.020	mg/L	1	05/20/2008 14:17	36595
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_W**
Reactive Sulfide	ND		0.030	mg/L	1	05/20/2008 10:45	36597

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW1010_S
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method

Sample ID: **G0727-01ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW3-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 130	200	0	0	0	0	0	0	0	20	

Sample ID: **G0727-02ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW4-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 135	200	0	0	0	0	0	0	0	20	

Sample ID: **G0727-03ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW5-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 135	200	0	0	0	0	0	0	3.64	20	

Sample ID: **G0727-04ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW1-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 120	200	0	0	0	0	0	0	0	20	

Sample ID: **G0727-06ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW6-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 135	200	0	0	0	0	0	0	0	20	

SGS

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW1010_W

SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method

Sample ID: **G0727-08DDUP** SampType: **DUP** TestCode: **SW1010_W** Prep Date: **5/17/2008** Run ID: **FLASH1_080517A**

Client ID: **130173-DW-COMP** Batch ID: **R29239** Units: **°F** Analysis Date: **5/17/2008** SeqNo: **807947**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 125	200	0	0	0	0	0	0	0	20	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW7.3.3.2_S

SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes

Sample ID: **MB-36589**	SampType: **MBLK**	TestCode: **SW7.3.3.2_S**			Prep Date: **5/20/2008**			Run ID: **LACHAT1_080520A**			
Client ID: **MB-36589**	Batch ID: **36589**	Units: **mg/Kg**			Analysis Date: **5/20/2008**			SeqNo: **808522**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	1.0									

Sample ID: **LCS-36589**	SampType: **LCS**	TestCode: **SW7.3.3.2_S**			Prep Date: **5/20/2008**			Run ID: **LACHAT1_080520A**			
Client ID: **LCS-36589**	Batch ID: **36589**	Units: **mg/Kg**			Analysis Date: **5/20/2008**			SeqNo: **808523**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	0.2161	1.0	2.500	0	8.64	0	12.4	0			J

Sample ID: **LCSD-36589**	SampType: **LCSD**	TestCode: **SW7.3.3.2_S**			Prep Date: **5/20/2008**			Run ID: **LACHAT1_080520A**			
Client ID: **LCSD-36589**	Batch ID: **36589**	Units: **mg/Kg**			Analysis Date: **5/20/2008**			SeqNo: **808524**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	0.2418	1.0	2.500	0	9.67	0	12.4	0.2161	11.2	50	J

S32

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW7.3.3.2_W

SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes

Sample ID: **MB-36595** SampType: **MBLK** TestCode: **SW7.3.3.2_W** Prep Date: **5/20/2008** Run ID: **LACHAT1_080520C**
Client ID: **MB-36595** Batch ID: **36595** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **814057**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	0.020									

Sample ID: **LCS-36595** SampType: **LCS** TestCode: **SW7.3.3.2_W** Prep Date: **5/20/2008** Run ID: **LACHAT1_080520C**
Client ID: **LCS-36595** Batch ID: **36595** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **814058**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	0.01052	0.020	0.1000	0	10.5	0	12.4	0			J

Sample ID: **LCSD-36595** SampType: **LCSD** TestCode: **SW7.3.3.2_W** Prep Date: **5/20/2008** Run ID: **LACHAT1_080520C**
Client ID: **LCSD-36595** Batch ID: **36595** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **814059**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	0.020	0.1000	0	0	0	12.4	0.01052	0	50	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW7.3.4.2_S

SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes

Sample ID: **MB-36590**	SampType: **MBLK**	TestCode: **SW7.3.4.2_S**			Prep Date: **5/20/2008**				Run ID: **SPEC2_080520A**		
Client ID: **MB-36590**	Batch ID: **36590**	Units: **mg/Kg**			Analysis Date: **5/20/2008**				SeqNo: **808487**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	1.0									

Sample ID: **LCS-36590**	SampType: **LCS**	TestCode: **SW7.3.4.2_S**			Prep Date: **5/20/2008**				Run ID: **SPEC2_080520A**		
Client ID: **LCS-36590**	Batch ID: **36590**	Units: **mg/Kg**			Analysis Date: **5/20/2008**				SeqNo: **808488**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	4.425	1.0	5.000	0	88.5	22.6	114	0			

Sample ID: **LCSD-36590**	SampType: **LCSD**	TestCode: **SW7.3.4.2_S**			Prep Date: **5/20/2008**				Run ID: **SPEC2_080520A**		
Client ID: **LCSD-36590**	Batch ID: **36590**	Units: **mg/Kg**			Analysis Date: **5/20/2008**				SeqNo: **808489**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	4.475	1.0	5.000	0	89.5	22.6	114	4.425	1.12	20	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW7.3.4.2_W

SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes

Sample ID: **MB-36597** SampType: **MBLK** TestCode: **SW7.3.4.2_W** Prep Date: **5/20/2008** Run ID: **SPEC2_080520B**
Client ID: **MB-36597** Batch ID: **36597** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **808534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	0.030									

Sample ID: **LCS-36597** SampType: **LCS** TestCode: **SW7.3.4.2_W** Prep Date: **5/20/2008** Run ID: **SPEC2_080520B**
Client ID: **LCS-36597** Batch ID: **36597** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **808535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	0.1810	0.030	0.2000	0	90.5	22.6	114	0			

Sample ID: **LCSD-36597** SampType: **LCSD** TestCode: **SW7.3.4.2_W** Prep Date: **5/20/2008** Run ID: **SPEC2_080520B**
Client ID: **LCSD-36597** Batch ID: **36597** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **808536**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	0.1850	0.030	0.2000	0	92.5	22.6	114	0.1810	2.19	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

June 11, 2008

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

RE: Client Project: Shames Drive Waste Classification
Lab Work Order #: G0727

Dear Ms. Beattie:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Shirley Ng
Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
130173-MW3-SC	G0727-01	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW3-SC	G0727-01			SW8082_W	SW7470	
130173-MW4-SC	G0727-02	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW4-SC	G0727-02			SW8082_W	SW7470	
130173-MW5-SC	G0727-03	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW5-SC	G0727-03			SW8082_W	SW7470	
130173-MW1-SC	G0727-04	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW1-SC	G0727-04			SW8082_W	SW7470	
130173-MW2-SC	G0727-05	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW2-SC	G0727-05			SW8082_W	SW7470	
130173-MW6-SC	G0727-06	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-MW6-SC	G0727-06			SW8082_W	SW7470	
130173-TBSH08	G0727-07	SW8260_W				
130173-DW-COMP	G0727-08	SW8260_W	SW8270_W	SW8081_W	SW6010_W	SEE DATA
130173-DW-COMP	G0727-08			SW8082_W	SW7470	

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
G0727-01B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-02B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-03B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-04B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-05B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-06B	SL	5/13/2008	5/14/2008	NA	5/24/2008
G0727-07A	AQ	5/14/2008	5/15/2008	NA	5/25/2008
G0727-08A	AQ	5/14/2008	5/15/2008	NA	5/25/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive – Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
G0727-01A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-02A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-03A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-04A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-05A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-06A	SL	5/13/2008	5/14/2008	5/16/2008	5/21/2008
G0727-08B	AQ	5/14/2008	5/15/2008	5/20/2008	5/29/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8081_W					
G0727-01A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-02A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-03A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-04A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-05A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-06A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-08B	AQ	5/14/2008	5/15/2008	5/19/2008	5/27/2008
SW8082_W					
G0727-01A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-02A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-03A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-04A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-05A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-06A	SL	5/13/2008	5/14/2008	5/16/2008	5/19/2008
G0727-08B	AQ	5/14/2008	5/15/2008	5/19/2008	5/28/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive – Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
G0727-01B	SL	SW8260_W	NA	LOW	1
G0727-02B	SL	SW8260_W	NA	LOW	1
G0727-03B	SL	SW8260_W	NA	LOW	1
G0727-04B	SL	SW8260_W	NA	LOW	1
G0727-05B	SL	SW8260_W	NA	LOW	1
G0727-06B	SL	SW8260_W	NA	LOW	1
G0727-07A	AQ	SW8260_W	NA	LOW	1
G0727-08A	AQ	SW8260_W	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
G0727-01A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-02A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-03A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-04A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-05A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-06A	SL	SW8270_W	BNA_W_PR	NA	1
G0727-08B	AQ	SW8270_W	BNA_W_PR	NA	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8081_W					
G0727-01A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-02A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-03A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-04A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-05A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-06A	SL	SW8081_W	PEST_W_PR	Sulfur	1
G0727-08B	AQ	SW8081_W	PEST_W_PR	Sulfur	1
SW8082_W					
G0727-01A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-02A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-03A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-04A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-05A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-06A	SL	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G0727-08B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
G0727-01A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-01ADUP	SL	SW6010_W	5/14/2008	5/19/2008
G0727-01AMS	SL	SW6010_W	5/14/2008	5/19/2008
G0727-02A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-03A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-04A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-05A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-06A	SL	SW6010_W	5/14/2008	5/19/2008
G0727-08E	AQ	SW6010_W	5/15/2008	5/19/2008
SW7470				
G0727-01A	SL	SW7470	5/14/2008	5/20/2008
G0727-01ADUP	SL	SW7470	5/14/2008	5/20/2008
G0727-01AMS	SL	SW7470	5/14/2008	5/20/2008
G0727-02A	SL	SW7470	5/14/2008	5/20/2008
G0727-03A	SL	SW7470	5/14/2008	5/20/2008
G0727-04A	SL	SW7470	5/14/2008	5/20/2008
G0727-05A	SL	SW7470	5/14/2008	5/20/2008
G0727-06A	SL	SW7470	5/14/2008	5/20/2008
G0727-08E	AQ	SW7470	5/15/2008	5/20/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary Toxicity Characteristic Leaching Procedure

Project Name : Shames Drive -- Waste Classification **SDG :** G0727

Laboratory Sample ID	Matrix	Analytical Protocol	Date Collected	Date Received By Lab	Date Extracted
SW1311					
G0727-01A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-01B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-02A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-03A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-04A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-05A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-06A	SL	SW1311	5/13/2008	5/14/2008	5/16/2008
G0727-02B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-03B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-04B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-05B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008
G0727-06B	SL	SW1311	5/13/2008	5/14/2008	5/20/2008

Analytical Data Package for CDM

Client Project No.: Shames Drive Waste Classification

Mitkem Work Order ID: G0727

June 11, 2008

Prepared For:

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to CDM's Shames Drive Waste Classification project. Under this deliverable, analysis results are presented for six soil and two aqueous samples that were received on May 14, 2008. Analyses were performed per specification in project contract, discussion with client and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category A deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. TCLP Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

3. TCLP Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits with the exception of pyridine in S1PLCS, S1XLCS and S1XLCSD.

Sample analysis: no unusual observation was made for the analysis.

4. TCLP Pesticide Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

5. TCLP Aroclor Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

6. TCLP Metals and Cyanide Analysis:

Lab control sample: spike recoveries were within the QC limits.

Matrix spike analysis: matrix spike was performed on sample 130173-MW3-SC for metal analysis. Spike recoveries were within the QC limits.

Duplicate analysis: duplicate was performed on sample 130173-MW3-SC for metal analysis. Percent recoveries were within the QC limits.

Sample analysis: serial dilution was performed on sample 130173-MW3-SC for metal analysis. Percent recoveries were within the QC limits. No unusual observation was made for the analysis.

7. Wet Chemistry analysis:

Lab control sample: spike recoveries were within the QC limits. The lab control sample for reactive cyanide typically results in a percent recovery of approximately 10%. This indicates the analysis is only measuring the correct type of cyanide. The LCS is performed with a "total" cyanide spike, only a small portion of which is "reactive". Recovery of significantly greater than this level in the analysis of the LCS indicates the test is over estimating the concentration of reactive cyanide.

Duplicate analysis: duplicate was performed on sample 130173-MW3-SC, 130173-MW4-SC, 130173-MW5-SC, 130173-MW1-SC, 130173-MW6-SC and 130173-DW-COMP for ignitability analysis. Percent recoveries were within the QC limits.

Sample analysis: for flashpoint analysis, the result of "Flame out" indicates that no flash was observed, or that non-flammable vapors from the sample extinguished the test flame at the temperature indicated. Where non-flammable vapors from the sample extinguished the test flame below 140 degrees, the sample temperature was elevated to at least 140 degrees, and re-exposed to the test flame. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager
06/11/08

Mitkem Laboratories — *10/Jun/08 14:10* — WorkOrder: G0727

Client ID: CDM_NJ
Project: Shames Drive
Location: WASTE CLASSIFICATION
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-A
EDD: MEDD4_2-3
HC Due: 06/05/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-01A	130173-MW3-SC	05/13/2008 10:00	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-01B	130173-MW3-SC	05/13/2008 10:00	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-02A	130173-MW4-SC	05/13/2008 10:15	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5

Client Rep: Shirley S Ng

9969

Client ID: CDM_NJ **Case:** **Report Level:** ASP-A
Project: Shames Drive **SDG:** **EDD:** MEDD4_2-3
Location: WASTE CLASSIFICATION **PO:** 0897-59317 **HC Due:** 06/05/08
Comments: N/A **Fax Due:**

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-02A	130173-MW4-SC	05/13/2008 10:15	05/14/2008	Soil	SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-02B	130173-MW4-SC	05/13/2008 10:15	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-03A	130173-MW5-SC	05/13/2008 10:25	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5

Client Rep: Shirley S Ng

0727

Client ID: CDM_NJ **Case:** **Report Level:** ASP-A
Project: Shames Drive **SDG:** **EDD:** MEDD4_2-3
Location: WASTE CLASSIFICATION **PO:** 0897-59317 **HC Due:** 06/05/08
Comments: N/A **Fax Due:**

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-03A	130173-MW5-SC	05/13/2008 10:25	05/14/2008	Soil	SW9045_S		☐	☐	☐	A5
G0727-03B	130173-MW5-SC	05/13/2008 10:25	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-04A	130173-MW1-SC	05/13/2008 10:45	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-04B	130173-MW1-SC	05/13/2008 10:45	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-05A	130173-MW2-SC	05/13/2008 11:10	05/14/2008	Soil	PMoist		☐	☐	☐	A5

Client Rep: Shirley S Ng

1999

Client ID: CDM_NJ
Project: Shames Drive
Location: WASTE CLASSIFICATION
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-A
EDD: MEDD4_2-3
HC Due: 06/05/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-05A	130173-MW2-SC	05/13/2008 11:10	05/14/2008	Soil	SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5
					SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-05B	130173-MW2-SC	05/13/2008 11:10	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-06A	130173-MW6-SC	05/13/2008 11:25	05/14/2008	Soil	PMoist		☐	☐	☐	A5
					SW1010_S		☐	☐	☐	A5
					SW6010_W	TCLP_METALS	☐	☐	☑	A5
					SW7.3.3.2_S	REACTIVITY	☐	☐	☐	A5
					SW7.3.4.2_S	REACTIVITY	☐	☐	☐	A5
					SW7470	TCLP_METALS	☐	☐	☐	A5

Client Rep: Shirley S Ng

0000

Client ID: CDM_NJ
Project: Shames Drive
Location: WASTE CLASSIFICATION
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-A
EDD: MEDD4_2-3
HC Due: 06/05/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-06A	130173-MW6-SC	05/13/2008 11:25	05/14/2008	Soil	SW8081_W	TCLP_PEST	☐	☐	☑	A5
					SW8082_W	TCLP_PCB	☐	☐	☑	A5
					SW8270_W	TCLP_SVOA	☐	☐	☑	A5
					SW9012_S		☐	☐	☐	A5
					SW9045_S		☐	☐	☐	A5
G0727-06B	130173-MW6-SC	05/13/2008 11:25	05/14/2008	Soil	SW8260_W	TCLP_VOA	☐	☐	☑	VOA
G0727-07A	130173-TBSH08	05/14/2008 0:00	05/15/2008	Aqueous	SW8260_W	TCLP	☐	☐	☑	VOA
G0727-08A	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	SW8260_W	TCLP	☐	☐	☑	VOA
G0727-08B	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	FILTER_O_PR	TCLP_PEST_W	☑	☐	☐	C3
					FILTER_O_PR	TCLP_PCB_W	☑	☐	☐	C3
					FILTER_O_PR	TCLP_SVOA_W	☐	☐	☐	C3
					SW8081_W	TCLP_PEST_W	☐	☐	☑	C3
					SW8082_W	TCLP_PCB_W	☐	☐	☑	C3
					SW8270_W	TCLP_SVOA_W	☐	☐	☑	C3

Client Rep: Shirley S Ng

Client ID: CDM_NJ
Project: Shames Drive
Location: WASTE CLASSIFICATION
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-A
EDD: MEDD4_2-3
HC Due: 06/05/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0727-08C	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	SW9012_W		☐	☐	☐	C3
G0727-08D	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	SM4500_H+		☐	☐	☐	C3
					SW1010_W		☐	☐	☐	C3
					SW7.3.3.2_W	REACTIVITY	☐	☐	☐	C3
					SW7.3.4.2_W	REACTIVITY	☐	☐	☐	C3
G0727-08E	130173-DW-COMP	05/14/2008 7:30	05/15/2008	Aqueous	FILTER_I_PR	TCLP_METALS_W	☐	☐	☐	M6
					SW6010_W	TCLP_METALS_W	☐	☐	☑	M6
					SW7470	TCLP_METALS_W	☐	☐	☐	M6

Client Rep: Shirley S Ng

Sample Transmittal Documentation

MITKEM LABORATORIES

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Beattie
COM
Raritan Plaza 1 Raritan Center
Edison NJ 08818
Project Mgr.: J. Beattie

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: Shames Drive
Location: Westbury State: NY
Sampler(s): Frank Robinson

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Encore	Analyses: SVOCs	Pest	metals	mercury	CN/Sulfide	Flashpoint	pH	TCN	QA Reporting Notes: (check if needed)
G0727-01	130173-MW3-SC	5/13/08	1000	C	SO			3	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	☐ Provide MA DEP MCP CAM Report
02	130173-MW4-SC	5/13/08	1015	C	SO			3	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	☐ Provide CT DEP RCP Report
03	130173-MW5-SC	5/13/08	1025	C	SO			3	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	QA/QC Reporting Level
04	130173-MW1-SC	5/13/08	1045	C	SO			4			✓	✓	✓	✓	✓	✓	✓	✓	✓	☐ Standard ☐ No QC
05	130173-MW2-SC	5/13/08	1110	C	SO			4			✓	✓	✓	✓	✓	✓	✓	✓	✓	☐ Other _____
G0727 06	130173-MW6-SC	5/13/08	1125	C	SO			4			✓	✓	✓	✓	✓	✓	✓	✓	✓	State specific reporting standards:

☐ Fax results when available to (_____) _____
☐ E-mail to _____
EDD Format _____
Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 2

Relinquished by:	Received by:	Date:	Time:
Frank Robinson 5/13/08 1300	C Nadeau	5/14/08	8:45

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Beattie
COM
Raritan Plaza I Raritan Center
Edison NJ 08818
Project Mgr.: J. Beattie

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: Shames Drive
Location: Westbury State: NY
Sampler(s): Frank Robinson

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Vac	Analyses: SVOC	Total CN	metals / Hg	pH	Flashpoint	Reactive CN+S/R Ck			QA Reporting Notes: (check if needed)
C6727																				
01	130173-TB-51408	5/14/08	—			2	2				✓									Trip Blank
08	130173-DW-comp	5/14/08	0730	C	GW		3			3	✓	✓	✓	✓	✓	✓	✓			

☐ Fax results when available to (_____) _____
☐ E-mail to _____
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5.0

Relinquished by:	Received by:	Date:	Time:
Frank Min 5/14/08 0800			
	C9/Adam	5/15/08	9:23

QA Reporting Notes (check if needed):
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

C-128

MITKEM LABORATORIES

Sample Condition Form

Received By: CAN | Reviewed By: VEG | Date 5/14/08 | MITKEM Workorder #: G0727

Client Project: Stames Drive | Client: CDM NJ

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0727	01					US	
	02						
	03						
	04						
	05						
G0727	06					US	

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) NA

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 2°C
Coolant Condition ICE

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 866516791551

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 5-14-08

9) Time Received 8:45

Preservative Name/Lot No:

CAN 5-14-08

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

MITKEM LABORATORIES

Sample Condition Form

Received By: CAN | Reviewed By: SN | Date: 5/6/08 | MITKEM Workorder # G0727

Client Project: Shames Waste | Client: CDM NJ

1) Cooler Sealed — Yes / No

2) Custody Seal(s) — Present / Absent; Coolers / Bottles; Intact / Broken

3) Custody Seal Number(s) — NA

4) Chain-of-Custody — Present / Absent

5) Cooler Temperature — 5 °C

Coolant Condition — ICE

6) Airbill(s) — Present / Absent

Airbill Number(s) — FedEx 866566891563

7) Sample Bottles — Intact/Broken/Leaking

8) Date Received — 5/5/08

9) Time Received — 9:23

Preservative Name/Lot No: *E50037-HNO3

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0727	07					H	
G0727	08	<2				H	

(AW) 5/6/08

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

Shirley Ng

From: "Beattie, Jessica" <BeattieJR@cdm.com>
To: "Shirley Ng" <sng@mitkem.com>
Cc: "Jim Stadelmaier" <jstadelmaier@mitkem.com>
Sent: Wednesday, May 14, 2008 9:25 PM
Attach: Mitkem Bid Form.pdf
Subject: RE: Shames Drive Industrial Park samples received

Hi Shirley –
These should be waste classification samples so analyses should be for: **TCLP** VOCs, **TCLP** SVOCs, **TCLP** Pest/PCBs, **TCLP** Metals, reactive cyanide & sulfide, flashpoint, pH, and total cyanide. You should be receiving water samples tomorrow from the Shames site that should also be waste classification.

Sorry I didn't include these in the SOW I emailed you. Prices should follow the MSA for the NYSDEC standby contract (see attached).

Thanks,
Jessica Beattie

From: Shirley Ng [mailto:sng@mitkem.com]
Sent: Wednesday, May 14, 2008 3:09 PM
To: Beattie, Jessica
Cc: Jim Stadelmaier
Subject: Shames Drive Industrial Park samples received
Importance: High

Jessica,

We've got 6 soil samples from Shames Drive site. On the COC, it ask for Sulfide, flashpoint, pH, CN and Pest. >From the SOW you e-mailed me, I don't see these analysis were included. I just want to confirm they are what you want. And for the prices, I found some prices from our Solvent Finishers contract with the exception of Sulfide. Can I use these prices apply for this project ?

Thanks
Shirley

----- Original Message -----
From: Beattie, Jessica
To: Shirley Ng
Cc: Koberle, Melissa ; O'Hare, Sean
Sent: Tuesday, April 15, 2008 11:53 AM
Subject: Shames Drive Industrial Park

Hello Shirley –
Ed should be passing along the info to you for the Shames Drive site in Westbury, NY. We will be conducting sampling at that site next week.

Attached is a copy of the sample summary sheet, in case you don't have it. We will need to get the soil jars and air canisters/regulators delivered to the Edison, NJ office on Monday (4/21).
We won't need the water sample bottles for a couple of weeks

We would like fourteen (14) 3.4 L summas with 2-hour regulators. Please confirm that we need to have **a final vacuum of no more than -2"hg** to meet the required detection limit as you indicated previously.

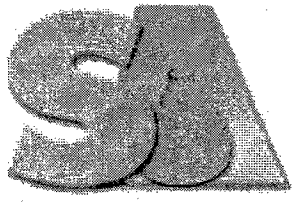
Please have the bottle order sent to the attention of Sean O'Hare.

Any questions just let me know!
Thanks,
Jessica

Jessica R. Beattie, P.G.

CDM | **consulting · engineering · construction · operations**
Raritan Plaza I
Edison, NJ 08818
Direct: (732) 590-4609
Email: beattiejr@cdm.com

MITKEM LABORATORIES



* TCLP Volatiles *

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7770.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 9.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	6.3	
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7771.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 5.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7772.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 5.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7773.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 2.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7774.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 3.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7775.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. 4.0 Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-TBSH08

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7821.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/15/2008

% Moisture: not dec. Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7822.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/15/2008

% Moisture: not dec. Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	2.2	J
127-18-4	Tetrachloroethene	12	
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VS5LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36714

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7764.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	48	
75-35-4	1,1-Dichloroethene	41	
78-93-3	2-Butanone	50	
67-66-3	Chloroform	54	
56-23-5	Carbon tetrachloride	48	
107-06-2	1,2-Dichloroethane	61	
71-43-2	Benzene	53	
79-01-6	Trichloroethene	49	
127-18-4	Tetrachloroethene	43	
108-90-7	Chlorobenzene	48	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VT5LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36715

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7805.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	44	
75-35-4	1,1-Dichloroethene	49	
78-93-3	2-Butanone	44	
67-66-3	Chloroform	54	
56-23-5	Carbon tetrachloride	49	
107-06-2	1,2-Dichloroethane	58	
71-43-2	Benzene	52	
79-01-6	Trichloroethene	49	
127-18-4	Tetrachloroethene	43	
108-90-7	Chlorobenzene	47	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VS5LCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36714

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7765.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	51	
75-35-4	1,1-Dichloroethene	53	
78-93-3	2-Butanone	52	
67-66-3	Chloroform	59	
56-23-5	Carbon tetrachloride	57	
107-06-2	1,2-Dichloroethane	63	
71-43-2	Benzene	57	
79-01-6	Trichloroethene	54	
127-18-4	Tetrachloroethene	48	
108-90-7	Chlorobenzene	51	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VT5LCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36715

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7806.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	42	
75-35-4	1,1-Dichloroethene	38	
78-93-3	2-Butanone	41	
67-66-3	Chloroform	46	
56-23-5	Carbon tetrachloride	44	
107-06-2	1,2-Dichloroethane	48	
71-43-2	Benzene	44	
79-01-6	Trichloroethene	42	
127-18-4	Tetrachloroethene	38	
108-90-7	Chlorobenzene	40	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	VBLKS5	106	97	93	97				0
02	VS5LCS	105	94	96	103				0
03	VS5LCSD	105	106	96	99				0
04	VTBLKS5	104	98	94	98				0
05	130173-MW3-SC	96	87	88	90				0
06	130173-MW4-SC	101	94	91	93				0
07	130173-MW5-SC	99	92	91	94				0
08	130173-MW1-SC	101	95	94	97				0
09	130173-MW2-SC	103	97	92	95				0
10	130173-MW6-SC	99	92	93	93				0
11	VBLKT5	107	100	96	98				0
12	VT5LCS	105	105	96	101				0
13	VT5LCSD	105	102	99	104				0
14	130173-TBSH08	105	101	95	98				0
15	130173-DW-COMP	107	97	94	97				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SW846

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

VS5LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36714 LCS Lot No.:

Date Extracted: 05/24/2008 Date Analyzed (1): 05/24/2008

Instrument ID (1): V5 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Vinyl chloride	50.0000	47.799	96		50-145
1,1-Dichloroethene	50.0000	41.2697	83		70-130
2-Butanone	50.0000	49.5991	99		30-150
Chloroform	50.0000	54.0251	108		65-135
Carbon tetrachloride	50.0000	48.4951	97		65-140
1,2-Dichloroethane	50.0000	60.8629	122		70-130
Benzene	50.0000	52.6343	105		80-120
Trichloroethene	50.0000	48.9742	98		70-125
Tetrachloroethene	50.0000	43.289	87		45-150
Chlorobenzene	50.0000	47.5633	95		80-120

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

VS5LCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36714 LCS Lot No.:

Date Extracted: 05/24/2008 Date Analyzed (1): 05/24/2008

Instrument ID (1): V5 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Vinyl chloride	50.0000	51.1294	102		50-145
1,1-Dichloroethene	50.0000	52.5469	105		70-130
2-Butanone	50.0000	51.5051	103		30-150
Chloroform	50.0000	59.3374	119		65-135
Carbon tetrachloride	50.0000	56.7421	113		65-140
1,2-Dichloroethane	50.0000	62.7222	125		70-130
Benzene	50.0000	57.2565	115		80-120
Trichloroethene	50.0000	53.8024	108		70-125
Tetrachloroethene	50.0000	47.6065	95		45-150
Chlorobenzene	50.0000	50.7825	102		80-120

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

VT5LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36715 LCS Lot No.:

Date Extracted: 05/25/2008 Date Analyzed (1): 05/25/2008

Instrument ID (1): V5 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC #	QC LIMITS
Vinyl chloride	50.0000	43.5877	87	50-145
1,1-Dichloroethene	50.0000	48.6691	97	70-130
2-Butanone	50.0000	44.015	88	30-150
Chloroform	50.0000	54.4788	109	65-135
Carbon tetrachloride	50.0000	48.955	98	65-140
1,2-Dichloroethane	50.0000	58.4181	117	70-130
Benzene	50.0000	52.292	105	80-120
Trichloroethene	50.0000	48.9339	98	70-125
Tetrachloroethene	50.0000	42.9336	86	45-150
Chlorobenzene	50.0000	47.0576	94	80-120

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

SW846

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
VT5LCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36715 LCS Lot No.:

Date Extracted: 05/25/2008 Date Analyzed (1): 05/25/2008

Instrument ID (1): V5 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Vinyl chloride	50.0000	41.7932	84		50-145
1,1-Dichloroethene	50.0000	38.1339	76		70-130
2-Butanone	50.0000	41.3324	83		30-150
Chloroform	50.0000	45.704	91		65-135
Carbon tetrachloride	50.0000	44.0962	88		65-140
1,2-Dichloroethane	50.0000	48.42	97		70-130
Benzene	50.0000	44.4308	89		80-120
Trichloroethene	50.0000	41.9398	84		70-125
Tetrachloroethene	50.0000	38.3632	77		45-150
Chlorobenzene	50.0000	40.2009	80		80-120

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

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKS5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: V5I7763.D Lab Sample ID: MB-36714

Instrument ID: V5

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/24/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 15:49

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VS5LCS	LCS-36714	V5I7764.D	16:16
02	VS5LCSD	LCSD-36714	V5I7765.D	16:43

COMMENTS:

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKS5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36714

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7763.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VTBLKS5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: V5I7769.D Lab Sample ID: MB-78807

Instrument ID: V5

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/24/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 18:48

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	130173-MW3-SC	G0727-01B	V5I7770.D	19:15
02	130173-MW4-SC	G0727-02B	V5I7771.D	19:42
03	130173-MW5-SC	G0727-03B	V5I7772.D	20:09
04	130173-MW1-SC	G0727-04B	V5I7773.D	20:35
05	130173-MW2-SC	G0727-05B	V5I7774.D	21:02
06	130173-MW6-SC	G0727-06B	V5I7775.D	21:29

COMMENTS:

0038

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VTBLKS5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78807

Sample wt/vol: #Error (g/mL) ML Lab File ID: V5I7769.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/24/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only SW846

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKT5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: V5I7804.D Lab Sample ID: MB-36715

Instrument ID: V5

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/25/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:50

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VT5LCS	LCS-36715	V5I7805.D	11:17
02	VT5LCSD	LCSD-36715	V5I7806.D	11:44
03	130173-TBSH08	G0727-07A	V5I7821.D	18:28
04	130173-DW-COMP	G0727-08A	V5I7822.D	18:54

COMMENTS:

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKT5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36715

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5I7804.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
67-66-3	Chloroform	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-90-7	Chlorobenzene	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SW846

MITKEM LABORATORIES



* TCLP Semivolatiles *

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6898.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6898.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6899.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6899.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6900.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6900.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6901.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6901.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6902.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6902.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SW846

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6903.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06A

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6903.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7055.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/15/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
110-86-1	Pyridine	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7055.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/15/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1PLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36518

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6893.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	140	
95-48-7	2-Methylphenol	140	
106-44-5	4-Methylphenol	130	
67-72-1	Hexachloroethane	150	
98-95-3	Nitrobenzene	160	
87-68-3	Hexachlorobutadiene	150	
88-06-2	2,4,6-Trichlorophenol	160	
95-95-4	2,4,5-Trichlorophenol	150	
121-14-2	2,4-Dinitrotoluene	160	
118-74-1	Hexachlorobenzene	180	
87-86-5	Pentachlorophenol	120	
110-86-1	Pyridine	57	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1XLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36584

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7053.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	41	
95-48-7	2-Methylphenol	28	
106-44-5	4-Methylphenol	27	
67-72-1	Hexachloroethane	35	
98-95-3	Nitrobenzene	35	
87-68-3	Hexachlorobutadiene	39	
88-06-2	2,4,6-Trichlorophenol	45	
95-95-4	2,4,5-Trichlorophenol	46	
121-14-2	2,4-Dinitrotoluene	47	
118-74-1	Hexachlorobenzene	48	
87-86-5	Pentachlorophenol	29	
110-86-1	Pyridine	22	

SW846

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1PLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36518

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6894.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	140	
95-48-7	2-Methylphenol	130	
106-44-5	4-Methylphenol	130	
67-72-1	Hexachloroethane	140	
98-95-3	Nitrobenzene	160	
87-68-3	Hexachlorobutadiene	140	
88-06-2	2,4,6-Trichlorophenol	160	
95-95-4	2,4,5-Trichlorophenol	150	
121-14-2	2,4-Dinitrotoluene	150	
118-74-1	Hexachlorobenzene	160	
87-86-5	Pentachlorophenol	110	
110-86-1	Pyridine	110	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.: S1XLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36584

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7054.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	38	
95-48-7	2-Methylphenol	24	
106-44-5	4-Methylphenol	24	
67-72-1	Hexachloroethane	33	
98-95-3	Nitrobenzene	34	
87-68-3	Hexachlorobutadiene	33	
88-06-2	2,4,6-Trichlorophenol	42	
95-95-4	2,4,5-Trichlorophenol	43	
121-14-2	2,4-Dinitrotoluene	43	
118-74-1	Hexachlorobenzene	46	
87-86-5	Pentachlorophenol	25	
110-86-1	Pyridine	17	J

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	SBLK1P	89	88	91	71	83	88			0
02	S1PLCS	91	92	89	69	81	102			0
03	S1PLCSD	88	91	86	65	82	95			0
04	130173-MW3-SC	96	92	79	67	82	91			0
05	130173-MW4-SC	96	97	89	67	80	98			0
06	130173-MW5-SC	94	95	77	66	80	91			0
07	130173-MW1-SC	92	95	83	72	82	96			0
08	130173-MW2-SC	96	97	79	73	86	89			0
09	130173-MW6-SC	94	94	86	64	79	87			0
10	SBLK1X	75	86	88	29	46	89			0
11	S1XLCS	73	88	88	28	46	93			0
12	S1XLCSD	70	85	86	27	44	90			0
13	130173-DW-COMP	72	84	88	28	44	92			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(40-110)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH)	= Terphenyl-d14	(50-135)
SDMC4	(PHL)	= Phenol-d5	(10-115)
SDMC5	(2FP)	= 2-Fluorophenol	(20-110)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

SW846

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1PLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36518 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,4-Dichlorobenzene	166.6667	143.8694	86		30-100
2-Methylphenol	166.6667	139.6104	84		40-110
4-Methylphenol	166.6667	130.7554	78		30-110
Hexachloroethane	166.6667	146.4668	88		30-95
Nitrobenzene	166.6667	155.8894	94		45-110
Hexachlorobutadiene	166.6667	145.5298	87		25-105
2,4,6-Trichlorophenol	166.6667	164.0903	98		50-115
2,4,5-Trichlorophenol	166.6667	151.4447	91		50-110
2,4-Dinitrotoluene	166.6667	155.9659	94		50-120
Hexachlorobenzene	166.6667	177.9732	107		50-110
Pentachlorophenol	166.6667	116.16	70		40-115
Pyridine	166.6667	56.9895	34	*	45-135

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

LCS Recovery: 1 out of 12 outside limits.

COMMENTS:

SW846

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1PLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36518 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,4-Dichlorobenzene	166.6667	135.7292	81		30-100
2-Methylphenol	166.6667	132.9831	80		40-110
4-Methylphenol	166.6667	125.8868	76		30-110
Hexachloroethane	166.6667	135.8456	82		30-95
Nitrobenzene	166.6667	158.1893	95		45-110
Hexachlorobutadiene	166.6667	142.3224	85		25-105
2,4,6-Trichlorophenol	166.6667	155.8869	94		50-115
2,4,5-Trichlorophenol	166.6667	148.5641	89		50-110
2,4-Dinitrotoluene	166.6667	151.0175	91		50-120
Hexachlorobenzene	166.6667	157.9798	95		50-110
Pentachlorophenol	166.6667	106.5789	64		40-115
Pyridine	166.6667	111.8894	67		45-135

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

LCS Recovery: 0 out of 12 outside limits.

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1XLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36584 LCS Lot No.:

Date Extracted: 05/20/2008 Date Analyzed (1): 05/29/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,4-Dichlorobenzene	50.0000	40.8816	82		30-100
2-Methylphenol	50.0000	28.1439	56		40-110
4-Methylphenol	50.0000	26.9845	54		30-110
Hexachloroethane	50.0000	35.2586	71		30-95
Nitrobenzene	50.0000	35.398	71		45-110
Hexachlorobutadiene	50.0000	38.7603	78		25-105
2,4,6-Trichlorophenol	50.0000	44.7656	90		50-115
2,4,5-Trichlorophenol	50.0000	45.8125	92		50-110
2,4-Dinitrotoluene	50.0000	46.9521	94		50-120
Hexachlorobenzene	50.0000	48.4499	97		50-110
Pentachlorophenol	50.0000	28.9193	58		40-115
Pyridine	50.0000	22.2158	44	*	45-135

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

LCS Recovery: 1 out of 12 outside limits.

COMMENTS:

SW846

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
S1XLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36584 LCS Lot No.:

Date Extracted: 05/20/2008 Date Analyzed (1): 05/29/2008

Instrument ID (1): S1 GC Column(1): DB-5MS ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,4-Dichlorobenzene	50.0000	38.2074	76		30-100
2-Methylphenol	50.0000	24.2258	48		40-110
4-Methylphenol	50.0000	23.9272	48		30-110
Hexachloroethane	50.0000	32.8619	66		30-95
Nitrobenzene	50.0000	33.8995	68		45-110
Hexachlorobutadiene	50.0000	33.4376	67		25-105
2,4,6-Trichlorophenol	50.0000	42.2796	85		50-115
2,4,5-Trichlorophenol	50.0000	43.1872	86		50-110
2,4-Dinitrotoluene	50.0000	43.2348	86		50-120
Hexachlorobenzene	50.0000	45.781	92		50-110
Pentachlorophenol	50.0000	25.3936	51		40-115
Pyridine	50.0000	16.8736	34		45-135

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

LCS Recovery: 0 out of 12 outside limits.

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1P

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: S1F6892.D Lab Sample ID: MB-36512

Instrument ID: S1 Date Extracted: 05/16/2008

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/21/2008

Level: (LOW/MED) LOW Time Analyzed: 0:04

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1PLCS	LCS-36518	S1F6893.D	05/21/2008
02	S1PLCSD	LCSD-36518	S1F6894.D	05/21/2008
03	130173-MW3-SC	G0727-01A	S1F6898.D	05/21/2008
04	130173-MW4-SC	G0727-02A	S1F6899.D	05/21/2008
05	130173-MW5-SC	G0727-03A	S1F6900.D	05/21/2008
06	130173-MW1-SC	G0727-04A	S1F6901.D	05/21/2008
07	130173-MW2-SC	G0727-05A	S1F6902.D	05/21/2008
08	130173-MW6-SC	G0727-06A	S1F6903.D	05/21/2008

COMMENTS:

SW846

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1P

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36512

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6892.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
121-14-2	2,4-Dinitrotoluene	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	67	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1P

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36512

Sample wt/vol: 300 (g/mL) ML Lab File ID: S1F6892.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/16/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/21/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: S1F7052.D Lab Sample ID: MB-36507

Instrument ID: S1 Date Extracted: 05/20/2008

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/29/2008

Level: (LOW/MED) LOW Time Analyzed: 11:51

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1XLCS	LCS-36584	S1F7053.D	05/29/2008
02	S1XLCSD	LCSD-36584	S1F7054.D	05/29/2008
03	130173-DW-COMP	G0727-08B	S1F7055.D	05/29/2008

COMMENTS:

SW846

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36507

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7052.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
110-86-1	Pyridine	20	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36507

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7052.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/20/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 05/29/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/20/2008 05/20/2008

EPA Sample No.(SSTD020##): SSTD0501L Date Analyzed: 05/20/2008

Lab File ID (Standard): S1F6891.D Time Analyzed: 23:31

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	112560		8.723		346202		10.841		139375		13.694	
	UPPER LIMIT	225120		9.223		692404		11.341		278750		14.194	
	LOWER LIMIT	56280		8.223		173101		10.341		69688		13.194	
	SAMPLE NO.												
01	SBLK1P	101060		8.723		365987		10.830		165788		13.694	
02	S1PLCS	108708		8.724		360506		10.831		148254		13.695	
03	S1PLCSD	130308		8.724		412537		10.831		167504		13.694	
04	130173-MW3-SC	108117		8.727		348604		10.834		150070		13.687	
05	130173-MW4-SC	156443		8.724		510389		10.831		203673		13.694	
06	130173-MW5-SC	110665		8.724		366531		10.831		155177		13.684	
07	130173-MW1-SC	129176		8.724		443576		10.831		180002		13.684	
08	130173-MW2-SC	107056		8.727		363554		10.834		151257		13.687	
09	130173-MW6-SC	132978		8.724		428371		10.831		180643		13.684	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/21/2008 05/21/2008

EPA Sample No.(SSTD020##): SSTD0501A Date Analyzed: 05/29/2008

Lab File ID (Standard): S1F7051.D Time Analyzed: 11:07

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	255058		8.335		896915		10.453		476861		13.306	
	UPPER LIMIT	510116		8.835		1793830		10.953		953722		13.806	
	LOWER LIMIT	127529		7.835		448458		9.953		238431		12.806	
	SAMPLE NO.												
01	SBLK1X	313458		8.338		1115937		10.445		591946		13.298	
02	S1XLCS	333437		8.347		1167727		10.454		597075		13.306	
03	S1XLCSD	323726		8.346		1175051		10.453		583457		13.306	
04	130173-DW-COMP	331095		8.346		1185628		10.454		614478		13.306	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/20/2008 05/20/2008

EPA Sample No.(SSTD020##): SSTD0501L Date Analyzed: 05/20/2008

Lab File ID (Standard): S1F6891.D Time Analyzed: 23:31

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	159114		16.082		138908		20.35		139216		22.479	
	UPPER LIMIT	318228		16.582		277816		20.85		278432		22.979	
	LOWER LIMIT	79557		15.582		69454		19.85		69608		21.979	
	SAMPLE NO.												
01	SBLK1P	201954		16.082		144513		20.339		123272		22.479	
02	S1PLCS	171276		16.083		138845		20.340		124009		22.469	
03	S1PLCSD	198522		16.082		159495		20.340		147585		22.468	
04	130173-MW3-SC	189079		16.075		181428		20.343		161543		22.472	
05	130173-MW4-SC	215182		16.082		155735		20.340		156248		22.479	
06	130173-MW5-SC	184639		16.083		181598		20.340		171790		22.469	
07	130173-MW1-SC	198608		16.083		168867		20.340		163808		22.469	
08	130173-MW2-SC	187413		16.075		175422		20.343		161406		22.472	
09	130173-MW6-SC	201623		16.072		156632		20.340		153451		22.469	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 05/21/2008 05/21/2008

EPA Sample No.(SSTD020##): SSTD0501A Date Analyzed: 05/29/2008

Lab File ID (Standard): S1F7051.D Time Analyzed: 11:07

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	726581		15.694		692103		19.962		585275		22.091	
	UPPER LIMIT	1453162		16.194		1384206		20.462		1170550		22.591	
	LOWER LIMIT	363291		15.194		346052		19.462		292638		21.591	
	SAMPLE NO.												
01	SBLK1X	869624		15.686		911371		19.954		748731		22.083	
02	S1XLCS	896987		15.694		878739		19.963		727513		22.091	
03	S1XLCSD	872297		15.694		848860		19.962		703495		22.091	
04	130173-DW-COMP	924986		15.684		926043		19.952		764407		22.080	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

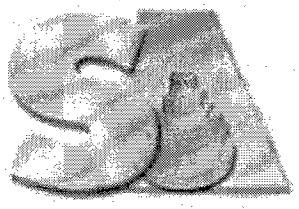
AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

MITKEM LABORATORIES



* TCLP Pesticides *

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1795F.D/E5E1795R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1796F.D/E5E1796R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1797F.D/E5E1797R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1798F.D/E5E1798R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1799F.D/E5E1799R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1800F.D/E5E1800R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U
12789-03-6	Chlordane (technical)	8.3	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1914F.D/E5E1914R.D

% Moisture: Decanted: (Y/N) Date Received: 05/15/2008

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
72-20-8	Endrin	0.10	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	5.0	U
12789-03-6	Chlordane (technical)	2.5	U

SW846

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS5H(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36516

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1793F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.67	
76-44-8	Heptachlor	0.63	
1024-57-3	Heptachlor epoxide	0.65	
72-20-8	Endrin	1.4	
72-43-5	Methoxychlor	7.6	
8001-35-2	Toxaphene	17	U

SW846

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCS5H(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36516

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1793R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.66	
76-44-8	Heptachlor	0.58	
1024-57-3	Heptachlor epoxide	0.64	
72-20-8	Endrin	1.3	
72-43-5	Methoxychlor	6.9	
8001-35-2	Toxaphene	17	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCS4N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36548

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1912F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.18	
76-44-8	Heptachlor	0.15	
1024-57-3	Heptachlor epoxide	0.19	
72-20-8	Endrin	0.40	
72-43-5	Methoxychlor	2.3	
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCS4N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36548

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1912R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	
76-44-8	Heptachlor	0.14	
1024-57-3	Heptachlor epoxide	0.18	
72-20-8	Endrin	0.36	
72-43-5	Methoxychlor	2.0	
8001-35-2	Toxaphene	5.0	U

0057

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD5H(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36516

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1794F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.68	
76-44-8	Heptachlor	0.62	
1024-57-3	Heptachlor epoxide	0.65	
72-20-8	Endrin	1.4	
72-43-5	Methoxychlor	7.5	
8001-35-2	Toxaphene	17	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCSD5H(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36516

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1794R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.65	
76-44-8	Heptachlor	0.58	
1024-57-3	Heptachlor epoxide	0.63	
72-20-8	Endrin	1.3	
72-43-5	Methoxychlor	6.8	
8001-35-2	Toxaphene	17	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCSD4N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36548

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1913F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.20	
76-44-8	Heptachlor	0.18	
1024-57-3	Heptachlor epoxide	0.19	
72-20-8	Endrin	0.41	
72-43-5	Methoxychlor	2.3	
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PLCSD4N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36548

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1913R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.19	
76-44-8	Heptachlor	0.16	
1024-57-3	Heptachlor epoxide	0.19	
72-20-8	Endrin	0.38	
72-43-5	Methoxychlor	2.1	
8001-35-2	Toxaphene	5.0	U

2N - FORM II PEST-1

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	ABLK5H	74	75	99	89			0
02	ALCS5H	70	69	104	93			0
03	ALCSD5H	72	69	103	93			0
04	130173-MW3-SC	70	71	99	89			0
05	130173-MW4-SC	72	73	99	88			0
06	130173-MW5-SC	70	71	97	87			0
07	130173-MW1-SC	70	69	97	87			0
08	130173-MW2-SC	68	67	94	83			0
09	130173-MW6-SC	67	66	96	85			0
10	PBLK4N	66	67	97	79			0
11	PLCS4N	54	54	104	87			0
12	PLCSD4N	69	69	109	90			0
13	130173-DW-COMP	61	62	100	84			0

	QC LIMITS
~~TCX = Tetrachloro-m-xylene~~	~~(28-123)~~ 6/2/98 KB
TCX = Tetrachloro-m-xylene	(25-140)
DCB = Decachlorobiphenyl	(30-135)
~~DCB = Decachlorobiphenyl~~	~~(21-135)~~ 6/2/98 KB

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SW846

3L - FORM III PEST-3

WATER PESTICIDE LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS5H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36516 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/19/2008

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.6667	0.6666	100		25-135
Heptachlor	0.6667	0.6295	94		40-130
Heptachlor epoxide	0.6667	0.651	98		60-130
Endrin	1.3333	1.3832	104		55-135
Methoxychlor	6.6667	7.6387	115		55-150

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 05/19/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.6667	0.6565	98		25-135
Heptachlor	0.6667	0.5838	88		40-130
Heptachlor epoxide	0.6667	0.6354	95		60-130
Endrin	1.3333	1.2862	96		55-135
Methoxychlor	6.6667	6.8956	103		55-150

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

3L - FORM III PEST-3

WATER PESTICIDE LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD5H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36516 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/19/2008

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.6667	0.6837	103		25-135
Heptachlor	0.6667	0.6211	93		40-130
Heptachlor epoxide	0.6667	0.655	98		60-130
Endrin	1.3333	1.3603	102		55-135
Methoxychlor	6.6667	7.4804	112		55-150

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 05/19/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.6667	0.6484	97		25-135
Heptachlor	0.6667	0.5817	87		40-130
Heptachlor epoxide	0.6667	0.6327	95		60-130
Endrin	1.3333	1.2638	95		55-135
Methoxychlor	6.6667	6.805	102		55-150

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

3L - FORM III PEST-3

WATER PESTICIDE LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

PLCS4N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36548 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/27/2008

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.2000	0.1793	90		25-135
Heptachlor	0.2000	0.1548	77		40-130
Heptachlor epoxide	0.2000	0.1857	93		60-130
Endrin	0.4000	0.3984	100		55-135
Methoxychlor	2.0000	2.2576	113		55-150

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 05/27/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.2000	0.1744	87		25-135
Heptachlor	0.2000	0.1422	71		40-130
Heptachlor epoxide	0.2000	0.1808	90		60-130
Endrin	0.4000	0.3592	90		55-135
Methoxychlor	2.0000	2.0044	100		55-150

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

SW846

3L - FORM III PEST-3

WATER PESTICIDE LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

PLCSD4N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36548 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/27/2008

Instrument ID (1): E5 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.2000	0.1995	100		25-135
Heptachlor	0.2000	0.1792	90		40-130
Heptachlor epoxide	0.2000	0.1946	97		60-130
Endrin	0.4000	0.4143	104		55-135
Methoxychlor	2.0000	2.3472	117		55-150

Instrument ID (2): E5 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 05/27/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.2000	0.1929	96		25-135
Heptachlor	0.2000	0.16	80		40-130
Heptachlor epoxide	0.2000	0.1923	96		60-130
Endrin	0.4000	0.3766	94		55-135
Methoxychlor	2.0000	2.0918	105		55-150

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 10 outside limits.

COMMENTS:

4E - FORM IV PEST

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK5H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E5E1792F.D / E5E1792R.D Lab Sample ID: MB-36512

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/16/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Date Analyzed (1): 05/19/2008 Date Analyzed (2): 05/19/2008

Time Analyzed (1): 10:54 Time Analyzed (2): 10:54

Instrument ID (1): E5 Instrument ID (2): E5

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCS5H	LCS-36516	05/19/2008	05/19/2008
02	ALCSD5H	LCSD-36516	05/19/2008	05/19/2008
03	130173-MW3-SC	G0727-01A	05/19/2008	05/19/2008
04	130173-MW4-SC	G0727-02A	05/19/2008	05/19/2008
05	130173-MW5-SC	G0727-03A	05/19/2008	05/19/2008
06	130173-MW1-SC	G0727-04A	05/19/2008	05/19/2008
07	130173-MW2-SC	G0727-05A	05/19/2008	05/19/2008
08	130173-MW6-SC	G0727-06A	05/19/2008	05/19/2008

COMMENTS:

SW846

0097

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK5H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36512

Sample wt/vol: 300 (g/mL) ML Lab File ID: E5E1792F.D/E5E1792R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	17	U

4E - FORM IV PEST

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PBLK4N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E5E1911F.D / E5E1911R.D Lab Sample ID: MB-36507

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/19/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Date Analyzed (1): 05/27/2008 Date Analyzed (2): 05/27/2008

Time Analyzed (1): 14:34 Time Analyzed (2): 14:34

Instrument ID (1): E5 Instrument ID (2): E5

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	PLCS4N	LCS-36548	05/27/2008	05/27/2008
02	PLCSD4N	LCSD-36548	05/27/2008	05/27/2008
03	130173-DW-COMP	G0727-08B	05/27/2008	05/27/2008

COMMENTS:

SW846

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PBLK4N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36507

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5E1911F.D/E5E1911R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
72-20-8	Endrin	0.10	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	5.0	U

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LABORATORIES



* TCLP PCB *

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-G2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-01A

Sample wt/vol: 5.3 (g/mL) G Lab File ID: E2H0230F.D/E2H0230R.D

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	590	U
11104-28-2	Aroclor-1221	590	U
11141-16-5	Aroclor-1232	590	U
53469-21-9	Aroclor-1242	590	U
12672-29-6	Aroclor-1248	590	U
11097-69-1	Aroclor-1254	590	U
11096-82-5	Aroclor-1260	590	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6847F.D/E1G6847R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-H2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-02A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E2H0231F.D/E2H0231R.D

% Moisture: 27 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	700	U
11104-28-2	Aroclor-1221	700	U
11141-16-5	Aroclor-1232	700	U
53469-21-9	Aroclor-1242	700	U
12672-29-6	Aroclor-1248	700	U
11097-69-1	Aroclor-1254	700	U
11096-82-5	Aroclor-1260	700	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6848F.D/E1G6848R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-H3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-03A

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E2H0232F.D/E2H0232R.D

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	620	U
11104-28-2	Aroclor-1221	620	U
11141-16-5	Aroclor-1232	620	U
53469-21-9	Aroclor-1242	620	U
12672-29-6	Aroclor-1248	620	U
11097-69-1	Aroclor-1254	620	U
11096-82-5	Aroclor-1260	620	U

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6849F.D/E1G6849R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-H4

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-04A

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E2H0233F.D/E2H0233R.D

% Moisture: 11 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	550	U
11104-28-2	Aroclor-1221	550	U
11141-16-5	Aroclor-1232	550	U
53469-21-9	Aroclor-1242	550	U
12672-29-6	Aroclor-1248	550	U
11097-69-1	Aroclor-1254	550	U
11096-82-5	Aroclor-1260	550	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G0727-04A

Sample wt/vol: 300 (g/mL) ML

Lab File ID: E1G6850F.D/E1G6850R.D

% Moisture: Decanted: (Y/N)

Date Received: 05/14/2008

Extraction: (Type) SEPF

Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-H5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-05A

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E2H0234F.D/E2H0234R.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	580	U
11104-28-2	Aroclor-1221	580	U
11141-16-5	Aroclor-1232	580	U
53469-21-9	Aroclor-1242	580	U
12672-29-6	Aroclor-1248	580	U
11097-69-1	Aroclor-1254	580	U
11096-82-5	Aroclor-1260	580	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6851F.D/E1G6851R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-H6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-06A

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E2H0235F.D/E2H0235R.D

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	560	U
11104-28-2	Aroclor-1221	560	U
11141-16-5	Aroclor-1232	560	U
53469-21-9	Aroclor-1242	560	U
12672-29-6	Aroclor-1248	560	U
11097-69-1	Aroclor-1254	560	U
11096-82-5	Aroclor-1260	560	U

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6852F.D/E1G6852R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-I5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-07A

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E2H0236F.D/E2H0236R.D

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	650	U
11104-28-2	Aroclor-1221	650	U
11141-16-5	Aroclor-1232	650	U
53469-21-9	Aroclor-1242	650	U
12672-29-6	Aroclor-1248	650	U
11097-69-1	Aroclor-1254	650	U
11096-82-5	Aroclor-1260	650	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G0727-08B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E1G7117F.D/E1G7117R.D

% Moisture: Decanted: (Y/N)

Date Received: 05/15/2008

Extraction: (Type) SEPF

Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-I6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-08A

Sample wt/vol: 5.5 (g/mL) G Lab File ID: E2H0237F.D/E2H0237R.D

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	600	U
11104-28-2	Aroclor-1221	600	U
11141-16-5	Aroclor-1232	600	U
53469-21-9	Aroclor-1242	600	U
12672-29-6	Aroclor-1248	600	U
11097-69-1	Aroclor-1254	600	U
11096-82-5	Aroclor-1260	600	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1S(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6965F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	15	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	15	

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-J5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-09A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E2H0238F.D/E2H0238R.D

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	590	U
11104-28-2	Aroclor-1221	590	U
11141-16-5	Aroclor-1232	590	U
53469-21-9	Aroclor-1242	590	U
12672-29-6	Aroclor-1248	590	U
11097-69-1	Aroclor-1254	590	U
11096-82-5	Aroclor-1260	590	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1S(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6965R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	16	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	17	

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-J6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-10A

Sample wt/vol: 5.5 (g/mL) G Lab File ID: E2H0239F.D/E2H0239R.D

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	560	U
11104-28-2	Aroclor-1221	560	U
11141-16-5	Aroclor-1232	560	U
53469-21-9	Aroclor-1242	560	U
12672-29-6	Aroclor-1248	560	U
11097-69-1	Aroclor-1254	560	U
11096-82-5	Aroclor-1260	560	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1S(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6966F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	13	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	12	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-J6MS(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-10AMS

Sample wt/vol: 5.3 (g/mL) G Lab File ID: E2H0243F.D

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	3900	P
11104-28-2	Aroclor-1221	580	U
11141-16-5	Aroclor-1232	580	U
53469-21-9	Aroclor-1242	580	U
12672-29-6	Aroclor-1248	580	U
11097-69-1	Aroclor-1254	580	U
11096-82-5	Aroclor-1260	5300	

SW846

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1S(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6966R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	13	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	13	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-J6MS(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-10AMS

Sample wt/vol: 5.3 (g/mL) G Lab File ID: E2H0243R.D

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	5500	P
11104-28-2	Aroclor-1221	580	U
11141-16-5	Aroclor-1232	580	U
53469-21-9	Aroclor-1242	580	U
12672-29-6	Aroclor-1248	580	U
11097-69-1	Aroclor-1254	580	U
11096-82-5	Aroclor-1260	5600	

SW846

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7113F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	4.3	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	4.1	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-J6MSD(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-10AMSD

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E2H0244F.D

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) SEPFUNNEL Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	4200	
11104-28-2	Aroclor-1221	590	U
11141-16-5	Aroclor-1232	590	U
53469-21-9	Aroclor-1242	590	U
12672-29-6	Aroclor-1248	590	U
11097-69-1	Aroclor-1254	590	U
11096-82-5	Aroclor-1260	5600	

SW846

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7113R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	4.2	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	4.6	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EP-J6MSD(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G0788-10AMSD

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E2H0244R.D

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/23/2008

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/27/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	5800	
11104-28-2	Aroclor-1221	590	U
11141-16-5	Aroclor-1232	590	U
53469-21-9	Aroclor-1242	590	U
12672-29-6	Aroclor-1248	590	U
11097-69-1	Aroclor-1254	590	U
11096-82-5	Aroclor-1260	5800	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7114F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.6	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	3.9	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS2V(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36711

Sample wt/vol: 5 (g/mL) G Lab File ID: E2H0229F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	3100	P
11104-28-2	Aroclor-1221	990	U
11141-16-5	Aroclor-1232	990	U
53469-21-9	Aroclor-1242	990	U
12672-29-6	Aroclor-1248	990	U
11097-69-1	Aroclor-1254	990	U
11096-82-5	Aroclor-1260	3700	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7114R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	4.4	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS2V(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-36711

Sample wt/vol: 5 (g/mL) G Lab File ID: E2H0229R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	4300	P
11104-28-2	Aroclor-1221	990	U
11141-16-5	Aroclor-1232	990	U
53469-21-9	Aroclor-1242	990	U
12672-29-6	Aroclor-1248	990	U
11097-69-1	Aroclor-1254	990	U
11096-82-5	Aroclor-1260	4200	

2Q - FORM II ARO-1

WATER AROCLOR SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	130173-MW3-SC	64	72	83	97			0
02	130173-MW4-SC	68	77	84	97			0
03	130173-MW5-SC	64	73	82	95			0
04	130173-MW1-SC	62	70	79	91			0
05	130173-MW2-SC	64	72	78	91			0
06	130173-MW6-SC	60	68	74	85			0
07	ABLK1S	69	77	96	111			0
08	ALCS1S	76	80	106	125			0
09	ALCSD1S	65	72	92	106			0
10	ABLK1N	74	80	102	111			0
11	ALCS1N	70	76	107	116			0
12	ALCSD1N	42	45	102	111			0
13	130173-DW-COMP	65	71	100	109			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(32-89)
DCB = Decachlorobiphenyl	(40-135)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SW846

0117R

2R - FORM II ARO-2

SOIL AROCLOR SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC	#	TCX 2 %REC	#	DCB 1 %REC	#	DCB 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	ABLK2V	68		82		75		70				0
02	ALCS2V	65		80		75		73				0
03	EP-G2	7		85		83		80				0
04	EP-H2	70		84		80		81				0
05	EP-H3	67		84		82		81				0
06	EP-H4	69		85		84		83				0
07	EP-H5	67		83		83		83				0
08	EP-H6	69		8		85		85				0
09	EP-I5	67		84		84		83				0
10	EP-I6	73		90		86		91				0
11	EP-J5	68		83		84		84				0
12	EP-J6	68		83		85		84				0
13	EP-J6MS	72		89		9		94				0
14	EP-J6MSD	72		91		97		94				0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(2 -120)
DCB = Decachlorobiphenyl	(60- 25)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SW846

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36517 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	15.199	114		25-145
Aroclor-1260	13.3333	15.0494	113		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/21/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	15.6744	118		25-145
Aroclor-1260	13.3333	17.3424	130		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3K - FORM III ARO-2

SOIL AROCLOR MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix Spike EPA Sample No.: EP-J6

Instrument ID: E2 GC Column : CLPPest ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS %REC	#	QC. LIMITS REC.
AR1016	4546.4765	0.0000	3914.2731	86		40-140
AR1260	4546.4765	0.0000	5279.9423	116		60-130

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
AR1016	4633.9087	4151.4961	90		5		30	40-140
AR1260	4633.9087	5569.6854	120		3		30	60-130

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limit

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36517 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	12.6907	95		25-145
Aroclor-1260	13.3333	12.1134	91		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/21/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	12.8295	96		25-145
Aroclor-1260	13.3333	13.3383	100		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

0119R

3K - FORM III ARO-2

SOIL AROCLOR MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix Spike - EPA Sample No.: EP-J6

Instrument ID: E2 GC Column : CLPPestII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS %REC	#	QC. LIMITS REC.
AR1016	4546.4765	0.0000	5509.4351	121		40-140
AR1260	4546.4765	0.0000	5592.8537	123		60-130

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
AR1016	4633.9087	5803.6259	125		3		30	40-140
AR1260	4633.9087	5808.7768	125		2		30	60-130

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

SW846

3N - FORM III ARO-3
WATER AROCLOR LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
ALCS1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36547 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/28/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	4.2695	107		25-145
Aroclor-1260	4.0000	4.1183	103		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/28/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	4.1961	105		25-145
Aroclor-1260	4.0000	4.6172	115		30-145

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

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

0120R

3P - FORM III ARO-4

SOIL AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS2V

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Lab Sample ID: LCS-36711 LCS Lot No.:

Date Extracted: 05/23/2008 Date Analyzed (1): 05/26/2008

Instrument ID (1): E2 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Aroclor-1016	3999.99	3073.3346	77		40-140
Aroclor-1260	3999.99	3733.1323	93		60-130

Instrument ID (2): E2 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 05/26/2008

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Aroclor-1016	3999.99	4314.4407	108		40-140
Aroclor-1260	3999.99	4171.7996	104		60-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits

COMMENTS:

SW846

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36547 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/28/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	3.6033	90		25-145
Aroclor-1260	4.0000	3.9444	99		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/28/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	3.2725	82		25-145
Aroclor-1260	4.0000	4.404	110		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK2V

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Lab File ID: E2H0228F.D / E2H0228R.D Lab Sample ID: MB-36711

Matrix: (SOIL/SED/WATER) SOIL Extraction: (Type) OTHER Date Extracted: 05/23/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 05/26/2008 Date Analyzed (2): 05/26/2008

Time Analyzed (1): 20:43 Time Analyzed (2): 20:43

Instrument ID (1): E2 Instrument ID (2): E2

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCS2V	LCS-36711	05/26/2008	05/26/2008
02	EP-G2	G0788-01A	05/26/2008	05/26/2008
03	EP-H2	G0788-02A	05/26/2008	05/26/2008
04	EP-H3	G0788-03A	05/26/2008	05/26/2008
05	EP-H4	G0788-04A	05/26/2008	05/26/2008
06	EP-H5	G0788-05A	05/26/2008	05/26/2008
07	EP-H6	G0788-06A	05/26/2008	05/26/2008
08	EP-I5	G0788-07A	05/26/2008	05/26/2008
09	EP-I6	G0788-08A	05/26/2008	05/26/2008
10	EP-J5	G0788-09A	05/26/2008	05/26/2008
11	EP-J6	G0788-10A	05/26/2008	05/26/2008
12	EP-J6MS	G0788-10AMS	05/27/2008	05/27/2008
13	EP-J6MSD	G0788-10AMSD	05/27/2008	05/27/2008

COMMENTS:

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E1G6964F.D / E1G6964R.D Lab Sample ID: MB-36512

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/16/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 05/21/2008 Date Analyzed (2): 05/21/2008

Time Analyzed (1): 16:31 Time Analyzed (2): 16:31

Instrument ID (1): E1 Instrument ID (2): E1

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	130173-MW3-SC	G0727-01A	05/19/2008	05/19/2008
02	130173-MW4-SC	G0727-02A	05/19/2008	05/19/2008
03	130173-MW5-SC	G0727-03A	05/19/2008	05/19/2008
04	130173-MW1-SC	G0727-04A	05/19/2008	05/19/2008
05	130173-MW2-SC	G0727-05A	05/19/2008	05/19/2008
06	130173-MW6-SC	G0727-06A	05/19/2008	05/19/2008
07	ALCS1S	LCS-36517	05/21/2008	05/21/2008
08	ALCSD1S	LCSD-36517	05/21/2008	05/21/2008

COMMENTS:

SW846

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1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK2V

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0788

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-36711

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E2H0228F.D/E2H0228R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) OTHER Date Extracted: 05/23/2008

Concentrated Extract Volume: 50000 (uL) Date Analyzed: 05/26/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	990	U
11104-28-2	Aroclor-1221	990	U
11141-16-5	Aroclor-1232	990	U
53469-21-9	Aroclor-1242	990	U
12672-29-6	Aroclor-1248	990	U
11097-69-1	Aroclor-1254	990	U
11096-82-5	Aroclor-1260	990	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36512

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6964F.D/E1G6964R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E1G7112F.D / E1G7112R.D Lab Sample ID: MB-36507

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/19/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 05/28/2008 Date Analyzed (2): 05/28/2008

Time Analyzed (1): 15:19 Time Analyzed (2): 15:19

Instrument ID (1): E1 Instrument ID (2): E1

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCS1N	LCS-36547	05/28/2008	05/28/2008
02	ALCSD1N	LCSD-36547	05/28/2008	05/28/2008
03	130173-DW-COMP	G0727-08B	05/28/2008	05/28/2008

COMMENTS:

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1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36507

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7112F.D/E1G7112R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

MITKEM LABORATORIES



* TCLP Metals *

and

Cyanide

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-DW-COMP

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-08

Level (low/med): MED Date Received: 05/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	39.9	B		P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	0.22	B		P
7439-92-1	Lead	1.2	U		P
7439-97-6	Mercury	0.048	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P
57-12-5	Cyanide	3.3	B		CA

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW1-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-04

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	241			P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	2.8	B		P
7439-92-1	Lead	3.2	B		P
7439-97-6	Mercury	0.046	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW1-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-04

Level (low/med): MED Date Received: 05/14/2008

% Solids: 98.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.13	B		CA

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW2-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-05

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	259			P
7440-43-9	Cadmium	0.11	B		P
7440-47-3	Chromium	3.4	B		P
7439-92-1	Lead	4.2	B		P
7439-97-6	Mercury	0.080	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW2-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-05

Level (low/med): MED Date Received: 05/14/2008

% Solids: 97.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.12	U		CA

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW3-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-01

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	159	B		P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	2.6	B		P
7439-92-1	Lead	5.7	B		P
7439-97-6	Mercury	0.096	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW3-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-01

Level (low/med): MED Date Received: 05/14/2008

% Solids: 91.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.12	U		CA

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW4-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-02

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	217			P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	3.4	B		P
7439-92-1	Lead	5.1	B		P
7439-97-6	Mercury	0.060	B		CV
7782-49-2	Selenium	9.7	B		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW4-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-02

Level (low/med): MED Date Received: 05/14/2008

% Solids: 95.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.11	U		CA

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW5-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-03

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	206			P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	2.2	B		P
7439-92-1	Lead	4.4	B		P
7439-97-6	Mercury	0.079	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

130173-MW5-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-03

Level (low/med): MED Date Received: 05/14/2008

% Solids: 95.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.11	U		CA

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

130173-MW6-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Lab Sample ID: G0727-06

Level (low/med): MED Date Received: 05/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	253			P
7440-43-9	Cadmium	0.11	U		P
7440-47-3	Chromium	3.0	B		P
7439-92-1	Lead	4.0	B		P
7439-97-6	Mercury	0.053	B		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW6-SC

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): SOIL Lab Sample ID: G0727-06

Level (low/med): MED Date Received: 05/14/2008

% Solids: 96.0

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

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.10	U		CA

Comments:

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36580

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

FIMS1_080520B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.066	B	0.064	B	0.065	B			0.053	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: MB-36511

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

FIMS1_080520B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury									0.054	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: MB-36512

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

FIMS1_080520B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury									0.049	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: MB-36563

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

LACHAT1_080520B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cyanide	2.4	U	2.4	U	2.4	U	2.4	U	0.120	U	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36613

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

LACHAT1_080521A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cyanide	2.4	U	3.0	B	2.4	U			3.196	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: MB-36511

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

OPTIMA2_080519A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic	5.3	U	5.3	U	5.3	U	5.3	U	2.500	U	
Barium	8.5	U	8.5	U	8.5	U	8.5	U	11.000	U	
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	0.580	B	
Chromium	1.1	U	1.1	U	1.1	U	1.1	U	1.360	B	
Lead	2.2	U	2.2	U	2.2	U	2.2	U	5.091	B	
Selenium	6.6	U	6.6	U	6.6	U	6.6	U	5.200	U	
Silver	0.6	U	0.6	U	0.6	U	0.6	U	1.200	U	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36512

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

OPTIMA2_080519A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			5.3	U					2.500	U	
Barium			8.5	U					25.512	B	
Cadmium			0.1	U					0.110	U	
Chromium			1.1	U					0.220	U	
Lead			2.2	U					1.200	U	
Selenium			6.6	U					5.200	U	
Silver			0.6	U					1.200	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36577

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

OPTIMA2_080519A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic									2.500	U	
Barium									11.000	U	
Cadmium									0.110	U	
Chromium									0.220	U	
Lead									1.200	U	
Selenium									5.200	U	
Silver									1.200	U	

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

130173-MW3-SCS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic	75-125	494.6894		2.5000	U	455.50	108.6		P
Barium	75-125	9485.8408		158.6469	B	9100.00	102.5		P
Cadmium	75-125	237.2531		0.1100	U	227.00	104.5		P
Chromium	75-125	906.8118		2.5889	B	910.00	99.4		P
Lead	75-125	478.3421		5.6518	B	455.00	103.9		P
Selenium	75-125	491.8027		5.2000	U	455.00	108.1		P
Silver	75-125	1241.4043		1.2000	U	1130.00	109.9		P
Mercury	75-125	5.0909		0.0961	B	4.55	109.8		CV

Comments:

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DUPLICATES

EPA SAMPLE NO.

130173-MW3-SCD

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Arsenic		2.5000	U	2.5000	U			P
Barium		158.6469	B	156.8075	B	1.2		P
Cadmium		0.1100	U	0.1100	U			P
Chromium		2.5889	B	2.0840	B	21.6		P
Lead		5.6518	B	5.0663	B	10.9		P
Selenium		5.2000	U	5.2000	U			P
Silver		1.2000	U	1.2000	U			P
Mercury		0.0961	B	0.0606	B	45.3		CV

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-36563

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cyanide				5.0	5.4		4	6.0	108.0

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: LCS-36577

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Arsenic	455.0	499.34	109.7						
Barium	9100.0	10024.85	110.2						
Cadmium	227.0	242.96	107.0						
Chromium	910.0	980.99	107.8						
Lead	455.0	501.91	110.3						
Selenium	455.0	487.67	107.2						
Silver	1130.0	1256.05	111.2						

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-36580

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury	4.6	4.82	104.8						

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LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0727

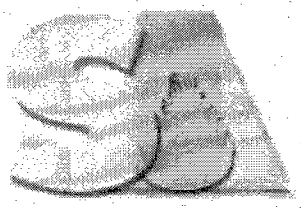
Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-36613

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cyanide	100.0	107.79	107.8						

MITKEM LABORATORIES



* Wet Chemistry *

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW3-SC
Lab ID: G0727-01

Project: Shames Drive
Collection Date: 05/13/08 10:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 130		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.1	mg/Kg	1	05/20/2008 11:22	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.1	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	5.7		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW4-SC
Lab ID: G0727-02

Project: Shames Drive
Collection Date: 05/13/08 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 135		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:25	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	7.2		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW5-SC
Lab ID: G0727-03

Project: Shames Drive
Collection Date: 05/13/08 10:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 140		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:32	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	6.5		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW1-SC
Lab ID: G0727-04
Project: Shames Drive
Collection Date: 05/13/08 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 120		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:35	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	7.2		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW2-SC
Lab ID: G0727-05

Project: Shames Drive
Collection Date: 05/13/08 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 150		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:37	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	8.6		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-MW6-SC
Lab ID: G0727-06

Project: Shames Drive
Collection Date: 05/13/08 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_S**
Ignitability	FLAME OUT @ 135		200	°F	1	05/19/2008 12:00	R29247
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_S**
Reactive Cyanide	ND		1.0	mg/Kg	1	05/20/2008 11:40	36589
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_S**
Reactive Sulfide	ND		1.0	mg/Kg	1	05/20/2008 7:05	36590
SW846 9045 -- Soil and Waste pH							**SW9045_S**
pH	7.8		1.0	S.U.	1	05/16/2008 12:00	R29205

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *06-Jun-08*

Client: CDM
Client Sample ID: 130173-DW-COMP
Lab ID: G0727-08
Project: Shames Drive
Collection Date: 05/14/08 7:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 4500 pH -- pH VALUE							**SM4500_H+**
pH	6.4		1.0	S.U.	1	05/15/2008 10:40	R29172
SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method							**SW1010_W**
Ignitability	FLAME OUT @ 125		200	°F	1	05/17/2008 12:00	R29239
SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes							**SW7.3.3.2_W**
Reactive Cyanide	ND		0.020	mg/L	1	05/20/2008 14:17	36595
SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes							**SW7.3.4.2_W**
Reactive Sulfide	ND		0.030	mg/L	1	05/20/2008 10:45	36597

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW1010_S

SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method

Sample ID: **G0727-01ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW3-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 130	200	0	0	0	0	0	0	0	20	

Sample ID: **G0727-02ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW4-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 135	200	0	0	0	0	0	0	0	20	

Sample ID: **G0727-03ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW5-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 135	200	0	0	0	0	0	0	3.64	20	

Sample ID: **G0727-04ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW1-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 120	200	0	0	0	0	0	0	0	20	

Sample ID: **G0727-06ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **5/19/2008** Run ID: **FLASH1_080519A**
Client ID: **130173-MW6-SC** Batch ID: **R29247** Units: **°F** Analysis Date: **5/19/2008** SeqNo: **808053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 135	200	0	0	0	0	0	0	0	20	

SGS

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW1010_W

SW846 1010 -- FLASHPOINT by Pensky-Martens Closed-Cup Method

Sample ID: **G0727-08DDUP** SampType: **DUP** TestCode: **SW1010_W** Prep Date: **5/17/2008** Run ID: **FLASH1_080517A**

Client ID: **130173-DW-COMP** Batch ID: **R29239** Units: **°F** Analysis Date: **5/17/2008** SeqNo: **807947**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 125	200	0	0	0	0	0	0	0	20	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW7.3.3.2_S

SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes

Sample ID: **MB-36589**	SampType: **MBLK**	TestCode: **SW7.3.3.2_S**			Prep Date: **5/20/2008**			Run ID: **LACHAT1_080520A**			
Client ID: **MB-36589**	Batch ID: **36589**	Units: **mg/Kg**			Analysis Date: **5/20/2008**			SeqNo: **808522**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	1.0									

Sample ID: **LCS-36589**	SampType: **LCS**	TestCode: **SW7.3.3.2_S**			Prep Date: **5/20/2008**			Run ID: **LACHAT1_080520A**			
Client ID: **LCS-36589**	Batch ID: **36589**	Units: **mg/Kg**			Analysis Date: **5/20/2008**			SeqNo: **808523**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	0.2161	1.0	2.500	0	8.64	0	12.4	0			J

Sample ID: **LCSD-36589**	SampType: **LCSD**	TestCode: **SW7.3.3.2_S**			Prep Date: **5/20/2008**			Run ID: **LACHAT1_080520A**			
Client ID: **LCSD-36589**	Batch ID: **36589**	Units: **mg/Kg**			Analysis Date: **5/20/2008**			SeqNo: **808524**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	0.2418	1.0	2.500	0	9.67	0	12.4	0.2161	11.2	50	J

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW7.3.3.2_W

SW846 7.3.3.2 -- Reactive Cyanide Released from Wastes

Sample ID: **MB-36595** SampType: **MBLK** TestCode: **SW7.3.3.2_W** Prep Date: **5/20/2008** Run ID: **LACHAT1_080520C**
Client ID: **MB-36595** Batch ID: **36595** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **814057**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	0.020									

Sample ID: **LCS-36595** SampType: **LCS** TestCode: **SW7.3.3.2_W** Prep Date: **5/20/2008** Run ID: **LACHAT1_080520C**
Client ID: **LCS-36595** Batch ID: **36595** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **814058**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	0.01052	0.020	0.1000	0	10.5	0	12.4	0			J

Sample ID: **LCSD-36595** SampType: **LCSD** TestCode: **SW7.3.3.2_W** Prep Date: **5/20/2008** Run ID: **LACHAT1_080520C**
Client ID: **LCSD-36595** Batch ID: **36595** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **814059**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	0.020	0.1000	0	0	0	12.4	0.01052	0	50	

CCTS

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW7.3.4.2_S

SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes

Sample ID: **MB-36590** SampType: **MBLK** TestCode: **SW7.3.4.2_S** Prep Date: **5/20/2008** Run ID: **SPEC2_080520A**
Client ID: **MB-36590** Batch ID: **36590** Units: **mg/Kg** Analysis Date: **5/20/2008** SeqNo: **808487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	1.0									

Sample ID: **LCS-36590** SampType: **LCS** TestCode: **SW7.3.4.2_S** Prep Date: **5/20/2008** Run ID: **SPEC2_080520A**
Client ID: **LCS-36590** Batch ID: **36590** Units: **mg/Kg** Analysis Date: **5/20/2008** SeqNo: **808488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	4.425	1.0	5.000	0	88.5	22.6	114	0			

Sample ID: **LCSD-36590** SampType: **LCSD** TestCode: **SW7.3.4.2_S** Prep Date: **5/20/2008** Run ID: **SPEC2_080520A**
Client ID: **LCSD-36590** Batch ID: **36590** Units: **mg/Kg** Analysis Date: **5/20/2008** SeqNo: **808489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	4.475	1.0	5.000	0	89.5	22.6	114	4.425	1.12	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: CDM
Work Order: G0727
Project: Shames Drive

ANALYTICAL QC SUMMARY REPORT

SW7.3.4.2_W

SW846 7.3.4.2 -- Reactive Sulfide Released from Wastes

Sample ID: **MB-36597** SampType: **MBLK** TestCode: **SW7.3.4.2_W** Prep Date: **5/20/2008** Run ID: **SPEC2_080520B**
Client ID: **MB-36597** Batch ID: **36597** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **808534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	0.030									

Sample ID: **LCS-36597** SampType: **LCS** TestCode: **SW7.3.4.2_W** Prep Date: **5/20/2008** Run ID: **SPEC2_080520B**
Client ID: **LCS-36597** Batch ID: **36597** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **808535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	0.1810	0.030	0.2000	0	90.5	22.6	114	0			

Sample ID: **LCSD-36597** SampType: **LCSD** TestCode: **SW7.3.4.2_W** Prep Date: **5/20/2008** Run ID: **SPEC2_080520B**
Client ID: **LCSD-36597** Batch ID: **36597** Units: **mg/L** Analysis Date: **5/20/2008** SeqNo: **808536**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	0.1850	0.030	0.2000	0	92.5	22.6	114	0.1810	2.19	20	

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Last Page of Data Report

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW3-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-01A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6847F.D/E1G6847R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW4-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-02A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6848F.D/E1G6848R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW5-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-03A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6849F.D/E1G6849R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW1-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-04A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6850F.D/E1G6850R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW2-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-05A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6851F.D/E1G6851R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW6-SC

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-06A

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6852F.D/E1G6852R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-DW-COMP

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0727-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7117F.D/E1G7117R.D

% Moisture: Decanted: (Y/N) Date Received: 05/15/2008

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1S(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6965F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	15	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	15	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1S(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6965R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	16	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	17	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1S(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6966F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	13	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	12	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1S(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36517

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6966R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	13	
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	13	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7113F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	4.3	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	4.1	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7113R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	4.2	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	4.6	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7114F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.6	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	3.9	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36547

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7114R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	4.4	

2Q - FORM II ARO-1

WATER AROCLOR SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	130173-MW3-SC	64	72	83	97			0
02	130173-MW4-SC	68	77	84	97			0
03	130173-MW5-SC	64	73	82	95			0
04	130173-MW1-SC	62	70	79	91			0
05	130173-MW2-SC	64	72	78	91			0
06	130173-MW6-SC	60	68	74	85			0
07	ABLK1S	69	77	96	111			0
08	ALCS1S	76	80	106	125			0
09	ALCSD1S	65	72	92	106			0
10	ABLK1N	74	80	102	111			0
11	ALCS1N	70	76	107	116			0
12	ALCSD1N	42	45	102	111			0
13	130173-DW-COMP	65	71	100	109			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(32-89)
DCB = Decachlorobiphenyl	(40-135)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SW846

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36517 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	15.199	114		25-145
Aroclor-1260	13.3333	15.0494	113		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/21/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	15.6744	118		25-145
Aroclor-1260	13.3333	17.3424	130		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36517 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/21/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	12.6907	95		25-145
Aroclor-1260	13.3333	12.1134	91		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/21/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	13.3333	12.8295	96		25-145
Aroclor-1260	13.3333	13.3383	100		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCS-36547 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/28/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	4.2695	107		25-145
Aroclor-1260	4.0000	4.1183	103		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/28/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	4.1961	105		25-145
Aroclor-1260	4.0000	4.6172	115		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab Sample ID: LCSD-36547 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 05/28/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	3.6033	90		25-145
Aroclor-1260	4.0000	3.9444	99		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 05/28/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	4.0000	3.2725	82		25-145
Aroclor-1260	4.0000	4.404	110		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E1G6964F.D / E1G6964R.D Lab Sample ID: MB-36512

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/16/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 05/21/2008 Date Analyzed (2): 05/21/2008

Time Analyzed (1): 16:31 Time Analyzed (2): 16:31

Instrument ID (1): E1 Instrument ID (2): E1

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	130173-MW3-SC	G0727-01A	05/19/2008	05/19/2008
02	130173-MW4-SC	G0727-02A	05/19/2008	05/19/2008
03	130173-MW5-SC	G0727-03A	05/19/2008	05/19/2008
04	130173-MW1-SC	G0727-04A	05/19/2008	05/19/2008
05	130173-MW2-SC	G0727-05A	05/19/2008	05/19/2008
06	130173-MW6-SC	G0727-06A	05/19/2008	05/19/2008
07	ALCS1S	LCS-36517	05/21/2008	05/21/2008
08	ALCSD1S	LCSD-36517	05/21/2008	05/21/2008

COMMENTS:

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36512

Sample wt/vol: 300 (g/mL) ML Lab File ID: E1G6964F.D/E1G6964R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/16/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.3	U
11104-28-2	Aroclor-1221	3.3	U
11141-16-5	Aroclor-1232	3.3	U
53469-21-9	Aroclor-1242	3.3	U
12672-29-6	Aroclor-1248	3.3	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Lab File ID: E1G7112F.D / E1G7112R.D Lab Sample ID: MB-36507

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/19/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 05/28/2008 Date Analyzed (2): 05/28/2008

Time Analyzed (1): 15:19 Time Analyzed (2): 15:19

Instrument ID (1): E1 Instrument ID (2): E1

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCS1N	LCS-36547	05/28/2008	05/28/2008
02	ALCSD1N	LCSD-36547	05/28/2008	05/28/2008
03	130173-DW-COMP	G0727-08B	05/28/2008	05/28/2008

COMMENTS:

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0727

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36507

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1G7112F.D/E1G7112R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/28/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

June 24, 2008

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

RE: Client Project: Shames Drive
Lab Work Order #: G0846

Dear Ms. Beattie:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Shirley Ng
Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

MITKEM LABORATORIES

* Data Summary Pack *

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Shames Drive **SDG :** G0846

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
130173-TB	G0846-01	OLC3.2_VOA				
130173-MW-1-GW	G0846-02	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-1-GW	G0846-02				ILM4.1_ICP_W	
130173-FB-6308	G0846-03	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-FB-6308	G0846-03				ILM4.1_ICP_W	
130173-MW-6-GW	G0846-04	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-6-GW	G0846-04				ILM4.1_ICP_W	
130173-MW66-GW	G0846-05	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW66-GW	G0846-05				ILM4.1_ICP_W	
130173-MW-2-GW	G0846-06	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-2-GW	G0846-06				ILM4.1_ICP_W	
130173-MW-5-GW	G0846-07	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-5-GW	G0846-07				ILM4.1_ICP_W	

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLC3.2_VOA					
G0846-01A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-02A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-02AMS	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-02AMSD	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-03A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-04A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-04ADL	AQ	6/3/2008	6/4/2008	NA	6/6/2008
G0846-05A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-05ADL	AQ	6/3/2008	6/4/2008	NA	6/6/2008
G0846-06A	AQ	6/3/2008	6/4/2008	NA	6/6/2008
G0846-07A	AQ	6/3/2008	6/4/2008	NA	6/5/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLC3.2_SVOA					
G0846-02B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-02BMS	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-02BMSD	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-03B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-04B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-05B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-06B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-07B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLC3.2_VOA					
G0846-01A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-02A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-02AMS	AQ	OLC3.2_VOA	NA	LOW	1
G0846-02AMSD	AQ	OLC3.2_VOA	NA	LOW	1
G0846-03A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-04A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-04ADL	AQ	OLC3.2_VOA	NA	LOW	2
G0846-05A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-05ADL	AQ	OLC3.2_VOA	NA	LOW	2
G0846-06A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-07A	AQ	OLC3.2_VOA	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLC3.2_SVOA					
G0846-02B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-02BMS	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-02BMSD	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-03B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-04B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-05B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-06B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-07B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0846-02C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-02CDUP	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-02CMS	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-03C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-04C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-05C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-06C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-07C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
ILM4.1_ICP_W				
G0846-02C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-02CDUP	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-02CMS	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-03C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-04C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-05C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-06C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-07C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008

Analytical Data Package for CDM

Client Project No.: Shames Drive

Mitkem Work Order ID: G0846

June 24, 2008

Prepared For:

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to CDM's Shames Drive project. Under this deliverable, analysis results are presented for seven aqueous samples that were received on June 4, 2008. Analyses were performed per specification in project contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/ matrix spike duplicate: duplicate analysis was performed on sample 130173-MW-1 GW. Spike recoveries and percent RPDs were within the QC limits.

Sample analysis: due to high concentration of target analytes, sample 130173-MW-6-GW and sample 130173-MW-66GW were re-analyzed at 2x dilution as 130173-MW-6-GWDL and 130173-MW-66GWDL respectively. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of bis(2-chloroethyl)ether-d8 in sample 130173-MW-1-GW, 130173-MW-1-GWMS and 130173-MW-6-GW. The recovery of 2,4-dichlorophenol-d3 was outside the QC limits in method blank SBLK1I. The recoveries of 4-chloroaniline-d4 were outside the QC limits in sample 130173-MW-1-GWMS, 130173-MW-1-GWMSD, 130173-FB-6308, 130173-MW-6GW, 130173-MW66-GW, 130173-MW-2-GW, method blank SBLK1I and lab control sample S1ILCS.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits.

Matrix spike/ matrix spike duplicate: duplicate analysis was performed on sample 130173-MW-1-GW. Spike recoveries were within the QC limits with the exception of pentachlorophenol in MS. Replicate RPDs were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

4. Metals Analysis:

Lab control sample: spike recoveries were within the QC limits.

Matrix spike analysis: matrix spike was performed on sample 130173-MW-1-GW. Spike recoveries were within the QC limits with the exception of selenium. This element is flagged with an "N" on the data reporting forms. A post digestion spike was performed and reported with improved recovery.

Duplicate analysis: a laboratory duplicate was performed on sample 130173-MW-1-GW. Percent RPDs were within the QC limits with the exception of iron. This element is flagged with a "*" on the data reporting forms.

Sample analysis: serial dilution was performed on sample 130173-MW-1-GW. Percent RPDs were within the QC limits with the exception of zinc. This element is flagged with an "E" on the data reporting forms. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager
06/24/08

Mitkem Laboratories — *24/Jun/08 8:55* — WorkOrder: G0846

Client ID: CDM_NJ
Project: Shames Drive
Location:
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-B
EDD: MEDD4_2-3
HC Due: 06/25/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0846-01A	130173-TB	06/03/2008 0:00	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-02A	130173-MW-1-GW	06/03/2008 10:15	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☑	☐	VOA
G0846-02B	130173-MW-1-GW	06/03/2008 10:15	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☑	☐	D2
G0846-02C	130173-MW-1-GW	06/03/2008 10:15	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☑	☐	M4
					ILM4.1_ICP_W	ILM	☐	☑	☑	M4
G0846-03A	130173-FB-6308	06/03/2008 10:45	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-03B	130173-FB-6308	06/03/2008 10:45	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2
G0846-03C	130173-FB-6308	06/03/2008 10:45	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0846-04A	130173-MW-6-GW	06/03/2008 12:25	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-04B	130173-MW-6-GW	06/03/2008 12:25	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2

Client Rep: Shirley S Ng

5965

Client ID: CDM_NJ **Case:** **Report Level:** ASP-B
Project: Shames Drive **SDG:** **EDD:** MEDD4_2-3
Location: **PO:** 0897-59317 **HC Due:** 06/25/08
Comments: N/A **Fax Due:**

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0846-04C	130173-MW-6-GW	06/03/2008 12:25	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0846-05A	130173-MW66-GW	06/03/2008 12:30	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-05B	130173-MW66-GW	06/03/2008 12:30	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2
G0846-05C	130173-MW66-GW	06/03/2008 12:30	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0846-06A	130173-MW-2-GW	06/03/2008 14:00	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-06B	130173-MW-2-GW	06/03/2008 14:00	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2
G0846-06C	130173-MW-2-GW	06/03/2008 14:00	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0846-07A	130173-MW-5-GW	06/03/2008 15:05	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA

Client Rep: Shirley S Ng

0846

Client ID: CDM_NJ
Project: Shames Drive
Location:
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-B
EDD: MEDD4_2-3
HC Due: 06/25/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0846-07B	130173-MW-5-GW	06/03/2008 15:05	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2
G0846-07C	130173-MW-5-GW	06/03/2008 15:05	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4

Client Rep: Shirley S Ng

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-TB

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4625.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-TB

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4625.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-TB

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4625.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4626.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.8	
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4626.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4626.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	544-25-2	1,3,5-Cycloheptatriene	8.316	0.54	NJ
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02AMS

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4632.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	3.9	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	4.9	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	4.9	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.1	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.5	
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02AMS

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4632.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	5.2	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02AMSD

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4633.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	5.1	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	5.0	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.2	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.4	
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02AMSD

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4633.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	5.2	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4627.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.78	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G0846-03A

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: V2K4627.D

Level: (TRACE/LOW/MED) LOW

Date Received: 06/04/2008

% Moisture: not dec.

Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4627.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4628.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.92	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.59	
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.40	J
75-34-3	1,1-Dichloroethane	0.33	J
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	1.4	
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	7.8	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	27	E
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4628.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4628.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4644.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	0.64	DJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	11	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.1	D
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	7.1	D
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	21	D
591-78-6	2-Hexanone	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4644.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (Total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-6-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4644.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4629.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.66	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.63	
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.41	J
75-34-3	1,1-Dichloroethane	0.34	J
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	1.4	
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	7.6	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	26	E
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4629.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4629.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4645.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	12	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.1	D
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	7.9	D
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	23	D
591-78-6	2-Hexanone	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4645.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (Total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW66-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4645.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4646.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	13	
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4646.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4646.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G0846-07A

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: V2K4631.D

Level: (TRACE/LOW/MED) LOW

Date Received: 06/04/2008

% Moisture: not dec.

Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4631.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4631.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4624.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	3.5	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	4.7	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	4.6	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	4.7	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4624.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	5.0	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7249.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7249.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7249.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7250.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	67	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	69	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	19	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	69	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	16	
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	55	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	16	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7250.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	83	E
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	14	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.7	J
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
130173-MW-1-GWMS D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7251.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	64	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	69	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	18	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	65	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	15	
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	55	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	16	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7251.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	80	
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	13	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7252.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7252.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

EPA OLC

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7252.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	7.914	2.4	NJ
02	82304-66-3	7,9-Di-tert-butyl-1-oxaspiro	16.202	8.5	NJ
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7253.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7253.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7253.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7254.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7254.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7254.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7255.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7255.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

ĺK - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7255.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7256.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7256.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7256.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	7.136	2.0	J
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ILCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7257.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	63	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	66	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	18	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	61	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	14	
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	47	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	15	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ILCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7257.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	61	
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	12	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-FB-6308

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-03

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.3	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.9	B		P
7440-39-3	Barium	4.9	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	73.0	U		P
7440-47-3	Chromium	0.49	B		P
7440-48-4	Cobalt	0.21	U		P
7440-50-8	Copper	2.7	B		P
7439-89-6	Iron	88.2	B	*	P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	11.3	B		P
7439-96-5	Manganese	1.8	B		P
7439-97-6	Mercury	0.093	B		CV
7440-02-0	Nickel	0.35	U		P
7440-09-7	Potassium	34.8	U		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	48.8	B		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	13.2	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-1-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-02

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.1	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	45.0	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	15700			P
7440-47-3	Chromium	13.6			P
7440-48-4	Cobalt	0.39	B		P
7440-50-8	Copper	5.6	B		P
7439-89-6	Iron	79.4	B	*	P
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium	5210			P
7439-96-5	Manganese	18.3			P
7439-97-6	Mercury	0.098	B		CV
7440-02-0	Nickel	10.2	B		P
7440-09-7	Potassium	6550			P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	2.2	B		P
7440-23-5	Sodium	13000			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	30.0		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-2-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-06

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	37.4	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	75.7	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	24100			P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	0.36	B		P
7440-50-8	Copper	4.1	B		P
7439-89-6	Iron	90.3	B	*	P
7439-92-1	Lead	1.5	B		P
7439-95-4	Magnesium	6520			P
7439-96-5	Manganese	15.1			P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	8.7	B		P
7440-09-7	Potassium	1680	B		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	10300			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	22.3		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-5-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-07

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.1	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	51.0	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	1.4	B		P
7440-70-2	Calcium	18700			P
7440-47-3	Chromium	11.5			P
7440-48-4	Cobalt	0.70	B		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	122		*	P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	2660	B		P
7439-96-5	Manganese	20.1			P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	9.3	B		P
7440-09-7	Potassium	3670	B		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	27500			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	15.8	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-6-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-04

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	78.1	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	72.2	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	13500			P
7440-47-3	Chromium	16.7			P
7440-48-4	Cobalt	0.55	B		P
7440-50-8	Copper	3.4	B		P
7439-89-6	Iron	179		*	P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	4060	B		P
7439-96-5	Manganese	18.4			P
7439-97-6	Mercury	0.098	B		CV
7440-02-0	Nickel	14.0	B		P
7440-09-7	Potassium	2900	B		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.76	B		P
7440-23-5	Sodium	16700			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.62	B		P
7440-66-6	Zinc	21.3		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

130173-MW66-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-05

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	94.7	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	4.2	B		P
7440-39-3	Barium	73.6	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	1.0	B		P
7440-70-2	Calcium	13600			P
7440-47-3	Chromium	18.0			P
7440-48-4	Cobalt	0.74	B		P
7440-50-8	Copper	3.0	B		P
7439-89-6	Iron	197		*	P
7439-92-1	Lead	1.5	B		P
7439-95-4	Magnesium	4180	B		P
7439-96-5	Manganese	20.1			P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	14.9	B		P
7440-09-7	Potassium	2840	B		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.77	B		P
7440-23-5	Sodium	16500			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.85	B		P
7440-66-6	Zinc	25.1		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

7

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-36914**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9583.67	105.3						
Antimony	455.0	512.95	112.7						
Arsenic	455.0	503.54	110.7						
Barium	9100.0	9850.93	108.3						
Beryllium	227.0	250.87	110.5						
Cadmium	227.0	255.25	112.4						
Calcium	22700.0	23719.51	104.5						
Chromium	910.0	997.18	109.6						
Cobalt	2270.0	2537.42	111.8						
Copper	1130.0	1184.20	104.8						
Iron	4550.0	5036.27	110.7						
Lead	455.0	508.02	111.7						
Magnesium	22700.0	24765.40	109.1						
Manganese	2270.0	2511.16	110.6						
Nickel	2270.0	2528.48	111.4						
Potassium	22700.0	24126.04	106.3						
Selenium	455.0	517.06	113.6						
Silver	1130.0	1197.43	106.0						
Sodium	22700.0	24593.21	108.3						
Thallium	455.0	512.11	112.6						
Vanadium	2270.0	2429.14	107.0						
Zinc	2270.0	2343.34	103.2						

2A - FORM II VOA-1

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	MB-36900	99	98	70	167	96	96	102
02	LCS-36900	99	101	85	148	96	95	104
03	130173-TB	98	113	77	118	95	94	104
04	130173-MW-1-GW	96	108	80	137	98	97	103
05	130173-FB-6308	103	106	76	137	99	99	103
06	130173-MW-6-GW	100	107	78	123	100	98	105
07	130173-MW66-GW	99	110	79	126	100	102	104
08	130173-MW-5-GW	101	105	73	132	101	103	103
09	130173-MW-1-GWMS	101	108	90	128	103	104	104
10	130173-MW-1-GWMSD	105	111	95	142	103	106	104
11	MB-36921	102	99	84	166	99	100	91
12	130173-MW-6-GWDL	108	102	82	169	98	101	93
13	130173-MW66-GWDL	98	100	88	153	98	98	92
14	130173-MW-2-GW	95	99	81	162	98	101	92

			QC LIMITS
VDMC1	(VCL)	= Vinyl chloride-d3	(49-138)
VDMC2	(CLA)	= Chloroethane-d5	(60-126)
VDMC3	(DCE)	= 1,1-Dichloroethene-d2	(65-130)
VDMC4	(BUT)	= 2-Butanone-d5	(42-171)
VDMC5	(CLF)	= Chloroform-d	(80-123)
VDMC6	(DCA)	= 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN)	= Benzene-d6	(78-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLC

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (BRF) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLKB2	100	104	90	107	97	101	102	0
02	VB2LCS	99	104	92	116	98	102	104	0
03	130173-TB	97	94	91	85	100	96	103	0
04	130173-MW-1-GW	99	101	91	80	96	100	105	0
05	130173-FB-6308	101	100	96	65	97	106	105	0
06	130173-MW-6-GW	100	103	96	58	96	99	100	0
07	130173-MW66-GW	100	102	93	84	97	101	106	0
08	130173-MW-5-GW	100	99	92	78	102	97	106	0
09	130173-MW-1-GWMS	99	102	94	79	100	101	105	0
10	130173-MW-1-GWMSD	102	104	97	64	94	98	103	0
11	VBLKC2	107	101	100	94	102	97	106	0
12	130173-MW-6-GWDL	109	104	99	109	95	99	101	0
13	130173-MW66-GWDL	105	101	95	90	97	98	98	0
14	130173-MW-2-GW	110	102	93	109	96	101	100	0
15	VHBLKC2	112	104	100	78	95	97	104	0

		QC LIMITS
VDMC8	(DPA) = 1,2-Dichloropropane-d6	(84-123)
VDMC9	(TOL) = Toluene-d8	(77-120)
VDMC10	(TDP) = trans-1,3-Dichloropropene-d4	(80-128)
VDMC11	(HEX) = 2-Hexanone-d5	(37-169)
VDMC12	(BRF) = Bromoform-d	(76-135)
VDMC13	(TCA) = 1,1,2,2-Tetrachloroethane-d2	(75-131)
VDMC14	(DCZ) = 1,2-Dichlorobenzene-d4	(50-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLC

2G - FORM II SV-1

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

	CLIENT SAMPLE NO.	SDMC1 (PHL)	#	SDMC2 (BCE)	#	SDMC3 (2CP)	#	SDMC4 (4MP)	#	SDMC5 (NBZ)	#	SDMC6 (2NP)	#	SDMC7 (DCP)	#	SDMC8 (4CA)	#
01	SBLK1I	92		91		97		86		103		97		98	*	87	*
02	130173-MW-1-GW	96		95	*	98		89		99		95		93		69	
03	130173-MW-1-GWMS	90		96	*	94		89		101		99		92		76	*
04	130173-MW-1-GWMSD	87		93		93		89		98		94		90		74	*
05	130173-FB-6308	89		88		95		87		97		96		91		81	*
06	130173-MW-6-GW	97		95	*	102		92		103		97		97		86	*
07	130173-MW66-GW	92		89		97		75		99		100		94		75	*
08	130173-MW-2-GW	92		92		99		91		96		94		91		80	*
09	130173-MW-5-GW	93		92		97		86		98		95		93		47	
10	S1ILCS	85		90		90		87		91		86		83		74	*

		QC LIMITS
SDMC1	(PHL) = Phenol-d5	(10-110)
SDMC2	(BCE) = bis(2-Chloroethyl)ether-d8	(41-94)
SDMC3	(2CP) = 2-Chlorophenol-d4	(33-110)
SDMC4	(4MP) = 4-Methylphenol-d8	(38-95)
SDMC5	(NBZ) = Nitrobenzene-d5	(35-114)
SDMC6	(2NP) = 2-Nitrophenol-d4	(40-106)
SDMC7	(DCP) = 2,4-Dichlorophenol-d3	(42-98)
SDMC8	(4CA) = 4-Chloroaniline-d4	(8-70)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

EPA OLC

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

	CLIENT SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
01	SBLK1I	94	87	93	92	66	91	100	96	2
02	130173-MW-1-GW	92	86	100	88	84	86	97	97	1
03	130173-MW-1-GWMS	92	79	98	86	89	88	98	101	2
04	130173-MW-1-GWMSD	90	78	98	85	92	89	98	96	1
05	130173-FB-6308	90	82	87	86	74	90	97	93	1
06	130173-MW-6-GW	97	87	99	93	87	93	99	94	2
07	130173-MW66-GW	95	91	101	92	87	92	100	98	1
08	130173-MW-2-GW	94	83	96	90	89	92	97	97	1
09	130173-MW-5-GW	88	79	90	85	82	83	103	85	0
10	S1ILCS	85	79	93	76	68	78	93	84	1

		QC LIMITS
SDMC9	(DMP) = Dimethylphthalate-d6	(62-102)
SDMC10	(ACY) = Acenaphthylene-d8	(49-98)
SDMC11	(4NP) = 4-Nitrophenol-d4	(9-181)
SDMC12	(FLR) = Fluorene-d10	(50-97)
SDMC13	(NMP) = 4,6-Dinitro-2-methylphenol-d2	(53-153)
SDMC14	(ANC) = Anthracene-d10	(55-116)
SDMC15	(PYR) = Pyrene-d10	(47-114)
SDMC16	(BAP) = Benzo(a)pyrene-d12	(54-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

EPA OLC

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix Spike - EPA Sample No.: 130173-MW-1-GW

Instrument ID: V2 GC Column : DB-624 ID: 0.25 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS %REC	#	QC. LIMITS REC.
1,1-Dichloroethene	5.0000	0.0000	3.9380	79		61-145
Benzene	5.0000	0.0000	4.9499	99		76-127
Trichloroethene	5.0000	0.0000	4.9405	99		71-120
Toluene	5.0000	0.0000	5.1260	103		76-125
Chlorobenzene	5.0000	0.0000	5.1556	103		75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5.0000	3.9780	80		1		14	61-145
Benzene	5.0000	5.0540	101		2		11	76-127
Trichloroethene	5.0000	5.0410	101		2		14	71-120
Toluene	5.0000	5.2327	105		2		13	76-125
Chlorobenzene	5.0000	5.2033	104		1		13	75-130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab Sample ID: LCS-36900 LCS Lot No.:

Date Extracted: 06/05/2008 Date Analyzed (1): 06/05/2008

Instrument ID (1): V2 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,1-Dichloroethene	5.0000	3.5406	71		61-145
Benzene	5.0000	4.7331	95		76-127
Trichloroethene	5.0000	4.5561	91		71-120
Toluene	5.0000	4.7193	94		76-125
Chlorobenzene	5.0000	4.9503	99		75-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 5 outside limits.

COMMENTS:

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix Spike - EPA Sample No.: 130173-MW-1-GW

Instrument ID: S1 GC Column : DB-5MS ID: 0.25 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS %REC	#	QC. LIMITS REC.
Phenol	80.0000	0.0000	66.8605	84		12-110
2-Chlorophenol	80.0000	0.0000	69.4710	87		27-123
N-Nitroso-di-n-propylamine	20.0000	0.0000	18.5007	93		41-116
4-Chloro-3-methylphenol	80.0000	0.0000	68.7793	86		23-97
Acenaphthene	20.0000	0.0000	15.8657	79		46-118
4-Nitrophenol	80.0000	0.0000	55.4312	69		10-80
2,4-Dinitrotoluene	20.0000	0.0000	16.4814	82		24-96
Pentachlorophenol	80.0000	0.0000	82.5197	103	*	9-103
Pyrene	20.0000	0.0000	13.5654	68		26-127

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	80.0000	64.3371	80		5		42	12-110
2-Chlorophenol	80.0000	68.7976	86		1		40	27-123
N-Nitroso-di-n-propylamine	20.0000	17.5849	88		6		38	41-116
4-Chloro-3-methylphenol	80.0000	65.2246	82		5		42	23-97
Acenaphthene	20.0000	15.3581	77		3		31	46-118
4-Nitrophenol	80.0000	55.1276	69		0		50	10-80
2,4-Dinitrotoluene	20.0000	16.1561	81		1		38	24-96
Pentachlorophenol	80.0000	79.5343	99		4		50	9-103
Pyrene	20.0000	13.3785	67		1		31	26-127

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

* Values outside of QC limits

RPD: 0 out of 9 outside limits

Spike Recovery: 1 out of 18 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

S1ILCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab Sample ID: LCS-36876 LCS Lot No.:

Date Extracted: 06/04/2008 Date Analyzed (1): 06/12/2008

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS %REC	#	QC. LIMITS REC.
Phenol	80	0	62.8600	79		12-110
2-Chlorophenol	80	0	65.8878	82		27-123
N-Nitroso-di-n-propylamine	20	0	17.7283	89		41-116
4-Chloro-3-methylphenol	80	0	60.5753	76		23-97
Acenaphthene	20	0	14.4369	72		46-118
4-Nitrophenol	80	0	46.5285	58		10-80
2,4-Dinitrotoluene	20	0	14.6563	73		24-96
Pentachlorophenol	80	0	60.8320	76		9-103
Pyrene	20	0	11.9877	60		26-127

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

* Values outside of QC limits

Spike Recovery: 0 out of 9 outside limits

COMMENTS:

EPA OLC

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

130173-MW-1-GWS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2166.2071		32.0513	B	2000.00	106.7		P
Antimony	75-125	112.7261		1.9900	U	100.00	112.7		P
Arsenic	75-125	48.2046		2.4800	U	40.00	120.5		P
Barium	75-125	2427.3512		45.0064	B	2000.00	119.1		P
Beryllium	75-125	57.6129		0.0300	U	50.00	115.2		P
Cadmium	75-125	5.6062		0.0800	U	5.00	112.1		P
Chromium	75-125	243.9626		13.5512		200.00	115.2		P
Cobalt	75-125	602.5079		0.3938	B	500.00	120.4		P
Copper	75-125	287.7316		5.5548	B	250.00	112.9		P
Iron	75-125	1253.5178		79.3921	B	1000.00	117.4		P
Lead	75-125	27.3848		3.3540		20.00	120.2		P
Manganese	75-125	604.2754		18.3226		500.00	117.2		P
Nickel	75-125	616.4896		10.1638	B	500.00	121.3		P
Selenium	75-125	13.5307		4.7500	U	10.00	135.3	N	P
Silver	75-125	55.9608		2.2486	B	50.00	107.4		P
Thallium	75-125	58.6174		2.3300	U	50.00	117.2		P
Vanadium	75-125	559.1090		0.5000	U	500.00	111.8		P
Zinc	75-125	570.7439		29.9666		500.00	108.2		P
Mercury	75-125	1.0987		0.0983	B	1.00	100.0		CV

Comments:

U.S. EPA - CLP

5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

130173-MW-1-GWA

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Level (low/med): MED

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

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Selenium		11.49		4.75	U	10.0	115		P

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

130173-MW-1-GWD

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		32.0513	B	34.0268	B	6		P
Antimony		1.9900	U	1.9900	U			P
Arsenic		2.4800	U	2.4800	U			P
Barium		45.0064	B	45.5930	B	1.3		P
Beryllium		0.0300	U	0.0300	U			P
Cadmium		0.0800	U	0.0800	U			P
Calcium	5000.0	15683.9313		15818.8709		0.9		P
Chromium	10.0	13.5512		13.8118		1.9		P
Cobalt		0.3938	B	0.2638	B	39.5		P
Copper		5.5548	B	4.6763	B	17.2		P
Iron	100.0	79.3921	B	306.0856		117.6	*	P
Lead	3.0	3.3540		2.8262	B	17.1		P
Magnesium	5000.0	5212.5975		5154.5987		1.1		P
Manganese	15.0	18.3226		18.9688		3.5		P
Nickel		10.1638	B	10.0688	B	0.9		P
Potassium	5000.0	6552.0007		6484.8648		1		P
Selenium		4.7500	U	4.7500	U			P
Silver		2.2486	B	1.5932	B	34.1		P
Sodium	5000.0	12986.4630		12898.1076		0.7		P
Thallium		2.3300	U	2.3300	U			P
Vanadium		0.5000	U	0.5000	U			P
Zinc	20.0	29.9666		26.7120		11.5		P
Mercury		0.0983	B	0.1004	B	2.1		CV

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: V2K4623.D Lab Sample ID: MB-36900

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/05/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:47

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VB2LCS	LCS-36900	V2K4624.D	12:06
02	130173-TB	G0846-01A	V2K4625.D	12:37
03	130173-MW-1-GW	G0846-02A	V2K4626.D	13:08
04	130173-FB-6308	G0846-03A	V2K4627.D	13:40
05	130173-MW-6-GW	G0846-04A	V2K4628.D	14:12
06	130173-MW66-GW	G0846-05A	V2K4629.D	14:44
07	130173-MW-5-GW	G0846-07A	V2K4631.D	15:47
08	130173-MW-1-GWMS	G0846-02AMS	V2K4632.D	16:19
09	130173-MW-1-GWMSD	G0846-02AMSD	V2K4633.D	16:51

COMMENTS:

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: V2K4643.D Lab Sample ID: MB-36921

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/06/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 9:54

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	130173-MW-6-GWDL	G0846-04ADL	V2K4644.D	10:26
02	130173-MW66-GWDL	G0846-05ADL	V2K4645.D	10:58
03	130173-MW-2-GW	G0846-06A	V2K4646.D	11:29
04	VHBLKC2	VHBLKC2	V2K4658.D	17:48

COMMENTS:

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: V2K4643.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4658.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.88	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4658.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4658.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: S1F7244.D Lab Sample ID: MB-36876

Instrument ID: S1 Date Extracted: 06/04/2008

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/12/2008

Level: (LOW/MED) LOW Time Analyzed: 12:02

Extraction: (Type) CONT GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	130173-MW-1-GW	G0846-02B	S1F7249.D	06/12/2008
02	130173-MW-1-GWMS	G0846-02BMS	S1F7250.D	06/12/2008
03	130173-MW-1-GWMSD	G0846-02BMSD	S1F7251.D	06/12/2008
04	130173-FB-6308	G0846-03B	S1F7252.D	06/12/2008
05	130173-MW-6-GW	G0846-04B	S1F7253.D	06/12/2008
06	130173-MW66-GW	G0846-05B	S1F7254.D	06/12/2008
07	130173-MW-2-GW	G0846-06B	S1F7255.D	06/12/2008
08	130173-MW-5-GW	G0846-07B	S1F7256.D	06/12/2008
09	S1ILCS	LCS-36876	S1F7257.D	06/12/2008

COMMENTS:

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7244.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7244.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7244.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36916**

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

FIMS1_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.111	B	0.102	B	0.114	B	0.116	B	0.094	B	

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): Method Blank ID:

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

FIMS1_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.118	B							

0059

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA2_080611A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	0.080	U	
Zinc	7.6	B	6.3	B	4.9	B	6.3	B	14.013	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA3_080605B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	34.8	U	34.9	U	34.9	U	40.5	B	34.850	U	
Sodium	36.8	B	19.6	B	23.4	B	30.8	B	129.351	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA3_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	7.6	U	15.0	B	16.1	B	12.0	B	22.994	B	
Antimony	2.0	U	2.0	U	2.0	U	2.0	U	1.990	U	
Arsenic	2.5	U	2.5	U	2.5	U	2.5	U	2.480	U	
Barium	0.6	B	0.4	B	0.3	B	0.3	B	0.792	B	
Beryllium	0.0	U	0.0	B	0.0	B	0.0	U	-0.039	B	
Calcium	73.0	U	73.0	U	73.0	U	73.0	U	72.980	U	
Chromium	0.2	U	0.2	B	0.2	U	0.2	U	0.160	U	
Cobalt	0.2	U	0.2	U	0.3	B	0.2	U	0.210	U	
Copper	1.8	B	2.9	B	2.0	B	2.5	B	4.557	B	
Iron	0.7	U	2.3	B	1.2	B	2.3	B	52.114	B	
Lead	1.3	U	1.3	U	1.3	U	1.3	U	1.280	U	
Magnesium	6.4	U	6.4	U	6.4	U	6.4	U	6.370	U	
Manganese	1.1	U	1.1	U	1.1	U	1.1	U	3.326	B	
Nickel	0.4	U	0.3	U	0.3	U	0.3	U	0.350	U	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	4.750	U	
Silver	6.0	B	1.0	B	0.5	B	0.5	U	4.125	B	
Thallium	2.3	U	2.3	U	2.3	U	2.3	U	2.330	U	
Vanadium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA3_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			7.6	U	7.6	U					
Antimony			2.0	U	2.0	U					
Arsenic			2.5	U	2.5	U					
Barium			0.3	B	0.3	B					
Beryllium			0.0	U	0.0	U					
Calcium			73.0	U	73.0	U					
Chromium			0.2	U	0.2	U					
Cobalt			0.2	U	0.2	U					
Copper			1.2	B	2.4	B					
Iron			0.9	B	3.5	B					
Lead			1.3	U	1.3	U					
Magnesium			6.4	U	7.0	B					
Manganese			1.1	U	1.1	U					
Nickel			0.3	U	0.3	U					
Selenium			4.8	U	4.8	U					
Silver			0.5	U	0.5	B					
Thallium			2.3	U	2.3	U					
Vanadium			0.5	U	0.5	U					

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Date Analyzed: 06/05/2008

Lab File ID (Standard): V2K4622.D Time Analyzed: 10:05

Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	491046		10.075		687375		6.503		201229		12.965	
	UPPER LIMIT	687464		10.405		962325		6.833		281721		13.295	
	LOWER LIMIT	294628		9.745		412425		6.173		120737		12.635	
	SAMPLE NO.												
01	VBLKB2	616920		10.075		914255		6.493		239763		12.965	
02	VB2LCS	592259		10.065		872973		6.493		222002		12.966	
03	130173-TB	527498		10.075		772295		6.493		187395		12.966	
04	130173-MW-1-GW	535619		10.075		774253		6.493		193593		12.966	
05	130173-FB-6308	578720		10.075		826275		6.493		216173		12.966	
06	130173-MW-6-GW	504629		10.077		738718		6.495		190142		12.967	
07	130173-MW66-GW	503412		10.064		729814		6.493		180102		12.966	
08	130173-MW-5-GW	502067		10.074		729992		6.492		179285		12.965	
09	130173-MW-1-GWMS	533570		10.064		768128		6.492		198818		12.965	
10	130173-MW-1-GWMSD	525405		10.067		761925		6.485		195711		12.968	

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Date Analyzed: 06/06/2008

Lab File ID (Standard): V2K4642.D Time Analyzed: 9:11

Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	470400		10.064		660928		6.482		184304		12.955	
	UPPER LIMIT	658560		10.394		925299		6.812		258026		13.285	
	LOWER LIMIT	282240		9.734		396557		6.152		110582		12.625	
	SAMPLE NO.												
01	VBLKC2	483970		10.053		705199		6.482		171622		12.955	
02	130173-MW-6-GWDL	473457		10.055		686714		6.473		177862		12.945	
03	130173-MW66-GWDL	464414		10.054		669449		6.472		168961		12.955	
04	130173-MW-2-GW	474261		10.045		692703		6.474		181255		12.947	
05	VHBLKC2	394273		10.065		578879		6.483		145304		12.956	

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Date Analyzed: 06/12/2008

Lab File ID (Standard): S1F7241.D Time Analyzed: 10:14

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	190289		8.098		687175		10.216		311898		13.069	
	UPPER LIMIT	380578		8.428		1374350		10.546		623796		13.399	
	LOWER LIMIT	95145		7.768		343588		9.886		155949		12.739	
	SAMPLE NO.												
01	SBLK1I	255499		8.098		907316		10.216		445049		13.069	
02	130173-MW-1-GW	266615		8.099		995905		10.217		478329		13.059	
03	130173-MW-1-GWMS	257484		8.101		929391		10.219		471059		13.061	
04	130173-MW-1-GWMSD	252817		8.098		965520		10.216		470997		13.069	
05	130173-FB-6308	266751		8.097		958475		10.215		467653		13.068	
06	130173-MW-6-GW	267604		8.099		989512		10.217		484128		13.059	
07	130173-MW66-GW	273155		8.100		966832		10.218		455291		13.060	
08	130173-MW-2-GW	262901		8.097		999816		10.215		471062		13.057	
09	130173-MW-5-GW	275756		8.098		1030772		10.216		516729		13.058	
10	S1ILCS	265928		8.102		1033726		10.220		484669		13.062	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

EPA OLC

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Date Analyzed: 06/12/2008

Lab File ID (Standard): S1F7241.D Time Analyzed: 10:14

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	490490		15.446		525221		19.703		458081		21.832	
	UPPER LIMIT	980980		15.776		1050442		20.033		916162		22.162	
	LOWER LIMIT	245245		15.116		262611		19.373		229041		21.502	
	SAMPLE NO.												
01	SBLK1I	664979		15.446		675501		19.692		607069		21.832	
02	130173-MW-1-GW	726770		15.447		726591		19.694		611906		21.833	
03	130173-MW-1-GWMS	672105		15.449		692735		19.696		569982		21.824	
04	130173-MW-1-GWMSD	644934		15.446		687202		19.693		583411		21.832	
05	130173-FB-6308	687490		15.445		741515		19.703		634661		21.831	
06	130173-MW-6-GW	706474		15.447		744599		19.693		661433		21.833	
07	130173-MW66-GW	655566		15.437		705961		19.695		595731		21.823	
08	130173-MW-2-GW	694977		15.445		733397		19.692		646865		21.831	
09	130173-MW-5-GW	747597		15.446		748835		19.692		655813		21.832	
10	S1ILCS	710781		15.439		729227		19.696		636006		21.825	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

EPA OLC

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Shames Drive **SDG :** G0846

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
130173-TB	G0846-01	OLC3.2_VOA				
130173-MW-1-GW	G0846-02	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-1-GW	G0846-02				ILM4.1_ICP_W	
130173-FB-6308	G0846-03	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-FB-6308	G0846-03				ILM4.1_ICP_W	
130173-MW-6-GW	G0846-04	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-6-GW	G0846-04				ILM4.1_ICP_W	
130173-MW66-GW	G0846-05	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW66-GW	G0846-05				ILM4.1_ICP_W	
130173-MW-2-GW	G0846-06	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-2-GW	G0846-06				ILM4.1_ICP_W	
130173-MW-5-GW	G0846-07	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-5-GW	G0846-07				ILM4.1_ICP_W	

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLC3.2_VOA					
G0846-01A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-02A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-02AMS	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-02AMSD	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-03A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-04A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-04ADL	AQ	6/3/2008	6/4/2008	NA	6/6/2008
G0846-05A	AQ	6/3/2008	6/4/2008	NA	6/5/2008
G0846-05ADL	AQ	6/3/2008	6/4/2008	NA	6/6/2008
G0846-06A	AQ	6/3/2008	6/4/2008	NA	6/6/2008
G0846-07A	AQ	6/3/2008	6/4/2008	NA	6/5/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLC3.2_SVOA					
G0846-02B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-02BMS	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-02BMSD	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-03B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-04B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-05B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-06B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008
G0846-07B	AQ	6/3/2008	6/4/2008	6/4/2008	6/12/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLC3.2_VOA					
G0846-01A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-02A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-02AMS	AQ	OLC3.2_VOA	NA	LOW	1
G0846-02AMSD	AQ	OLC3.2_VOA	NA	LOW	1
G0846-03A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-04A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-04ADL	AQ	OLC3.2_VOA	NA	LOW	2
G0846-05A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-05ADL	AQ	OLC3.2_VOA	NA	LOW	2
G0846-06A	AQ	OLC3.2_VOA	NA	LOW	1
G0846-07A	AQ	OLC3.2_VOA	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLC3.2_SVOA					
G0846-02B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-02BMS	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-02BMSD	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-03B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-04B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-05B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-06B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0846-07B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Shames Drive **SDG :** G0846

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0846-02C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-02CDUP	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-02CMS	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-03C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-04C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-05C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-06C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
G0846-07C	AQ	ILM4.1_HG_W	6/4/2008	6/6/2008
ILM4.1_ICP_W				
G0846-02C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-02CDUP	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-02CMS	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-03C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-04C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-05C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-06C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008
G0846-07C	AQ	ILM4.1_ICP_W	6/4/2008	6/11/2008

Analytical Data Package for CDM

Client Project No.: Shames Drive

Mitkem Work Order ID: G0846

June 24, 2008

Prepared For:

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to CDM's Shames Drive project. Under this deliverable, analysis results are presented for seven aqueous samples that were received on June 4, 2008. Analyses were performed per specification in project contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/ matrix spike duplicate: duplicate analysis was performed on sample 130173-MW-1 GW. Spike recoveries and percent RPDs were within the QC limits.

Sample analysis: due to high concentration of target analytes, sample 130173-MW-6-GW and sample 130173-MW-66GW were re-analyzed at 2x dilution as 130173-MW-6-GWDL and 130173-MW-66GWDL respectively. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of bis(2-chloroethyl)ether-d8 in sample 130173-MW-1-GW, 130173-MW-1-GWMS and 130173-MW-6-GW. The recovery of 2,4-dichlorophenol-d3 was outside the QC limits in method blank SBLK1I. The recoveries of 4-chloroaniline-d4 were outside the QC limits in sample 130173-MW-1-GWMS, 130173-MW-1-GWMSD, 130173-FB-6308, 130173-MW-6GW, 130173-MW66-GW, 130173-MW-2-GW, method blank SBLK1I and lab control sample S1ILCS.

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits.

Matrix spike/ matrix spike duplicate: duplicate analysis was performed on sample 130173-MW-1-GW. Spike recoveries were within the QC limits with the exception of pentachlorophenol in MS. Replicate RPDs were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

4. Metals Analysis:

Lab control sample: spike recoveries were within the QC limits.

Matrix spike analysis: matrix spike was performed on sample 130173-MW-1-GW. Spike recoveries were within the QC limits with the exception of selenium. This element is flagged with an "N" on the data reporting forms. A post digestion spike was performed and reported with improved recovery.

Duplicate analysis: a laboratory duplicate was performed on sample 130173-MW-1-GW. Percent RPDs were within the QC limits with the exception of iron. This element is flagged with a "*" on the data reporting forms.

Sample analysis: serial dilution was performed on sample 130173-MW-1-GW. Percent RPDs were within the QC limits with the exception of zinc. This element is flagged with an "E" on the data reporting forms. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager
06/24/08

Mitkem Laboratories — *24/Jun/08 8:55* — WorkOrder: G0846

Client ID: CDM_NJ
Project: Shames Drive
Location:
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-B
EDD: MEDD4_2-3
HC Due: 06/25/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0846-01A	130173-TB	06/03/2008 0:00	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-02A	130173-MW-1-GW	06/03/2008 10:15	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☑	☐	VOA
G0846-02B	130173-MW-1-GW	06/03/2008 10:15	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☑	☐	D2
G0846-02C	130173-MW-1-GW	06/03/2008 10:15	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☑	☐	M4
					ILM4.1_ICP_W	ILM	☐	☑	☑	M4
G0846-03A	130173-FB-6308	06/03/2008 10:45	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-03B	130173-FB-6308	06/03/2008 10:45	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2
G0846-03C	130173-FB-6308	06/03/2008 10:45	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0846-04A	130173-MW-6-GW	06/03/2008 12:25	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-04B	130173-MW-6-GW	06/03/2008 12:25	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2

Client Rep: Shirley S Ng

5553

Client ID: CDM_NJ
Project: Shames Drive
Location:
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-B
EDD: MEDD4_2-3
HC Due: 06/25/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0846-04C	130173-MW-6-GW	06/03/2008 12:25	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0846-05A	130173-MW66-GW	06/03/2008 12:30	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-05B	130173-MW66-GW	06/03/2008 12:30	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2
G0846-05C	130173-MW66-GW	06/03/2008 12:30	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0846-06A	130173-MW-2-GW	06/03/2008 14:00	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0846-06B	130173-MW-2-GW	06/03/2008 14:00	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2
G0846-06C	130173-MW-2-GW	06/03/2008 14:00	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0846-07A	130173-MW-5-GW	06/03/2008 15:05	06/04/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA

Client Rep: Shirley S Ng

0846

Client ID: CDM_NJ
Project: Shames Drive
Location:
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-B
EDD: MEDD4_2-3
HC Due: 06/25/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0846-07B	130173-MW-5-GW	06/03/2008 15:05	06/04/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	D2
G0846-07C	130173-MW-5-GW	06/03/2008 15:05	06/04/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4

Client Rep: Shirley S Ng

0897

Sample Transmittal Documentation

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Beattie
COM
Raritan Plaza 1, Raritan Center
Edison NJ 08818
Project Mgr.: J. Beattie

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: Shanes Drive
Location: Westbury State: NY
Sampler(s): Frank Robinson

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260.2	SVOC 8270.2	metals 11 ms 04.2	QA Reporting Notes: (check if needed)
60346														
01	130173-TB	6/3/08	—	G	W	2	2				X			Trip Blank
02	130173-MW-1-6W	6/3/08	1015	G	GW	2/4	9	6		3	X	X	X	MS/MSD
03	130173-FB-6308	6/3/08	1045	G	—	2/4	3	2		1	X	X	X	Field Blank
04	130173-MW-6-6W	6/3/08	1225	G	GW	2/4	3	2		1	X	X	X	
05	130173-MW-66-6W	6/3/08	1230	G	GW	2/4	3	2		1	X	X	X	
06	130173-MW-2-6W	6/3/08	1400	G	GW	2/4	3	2		1	X	X	X	
07	130173-MW-5-6W	6/3/08	1505	G	GW	2/4	3	2		1	X	X	X	

QA Reporting Notes (check if needed):
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
- ☐ Standard ☐ No QC
- ☐ Other _____

State specific reporting standards: _____

Relinquished by:	Received by:	Date:	Time:
Frank Mi 6/3/08	[signature]	6/4/08	8:40

- ☐ Fax results when available to (_____) _____
- ☐ E-mail to _____
- EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 2C

6666

MITKEM CORPORATION
Sample Condition Form

Received By: CAW | Reviewed By: ALN | Date: 6/4/08 | MITKEM Workorder #: G0846

Client Project: Shames-Driver | Client: CDM-NJ

1) Cooler Sealed — (Yes) / No

2) Custody Seal(s) — (Present) / Absent; (Coolers) / Bottles; (Intact) / Broken

3) Custody Seal Number(s): NA

4) Chain-of-Custody — (Present) / Absent

5) Cooler Temperature: 2°C

Coolant Condition: Ice

6) Airbill(s) — (Present) / Absent

Airbill Number(s): FedEx 866616591630

7) Sample Bottles — (Intact)/Broken/Leaking

8) Date Received: 6/4/08

9) Time Received: 8:40

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0846	01					H	
	02	<2					
	03						
	04						
	05						
	06	↓				↓	
G0846	07	<2				H	

CAW 6-4-08

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

Sample Transmittal Documentation



* Volatiles *

2A - FORM II VOA-1

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	MB-36900	99	98	70	167	96	96	102
02	LCS-36900	99	101	85	148	96	95	104
03	130173-TB	98	113	77	118	95	94	104
04	130173-MW-1-GW	96	108	80	137	98	97	103
05	130173-FB-6308	103	106	76	137	99	99	103
06	130173-MW-6-GW	100	107	78	123	100	98	105
07	130173-MW66-GW	99	110	79	126	100	102	104
08	130173-MW-5-GW	101	105	73	132	101	103	103
09	130173-MW-1-GWMS	101	108	90	128	103	104	104
10	130173-MW-1-GWMSD	105	111	95	142	103	106	104
11	MB-36921	102	99	84	166	99	100	91
12	130173-MW-6-GWDL	108	102	82	169	98	101	93
13	130173-MW66-GWDL	98	100	88	153	98	98	92
14	130173-MW-2-GW	95	99	81	162	98	101	92

		QC LIMITS
VDMC1	(VCL) = Vinyl chloride-d3	(49-138)
VDMC2	(CLA) = Chloroethane-d5	(60-126)
VDMC3	(DCE) = 1,1-Dichloroethene-d2	(65-130)
VDMC4	(BUT) = 2-Butanone-d5	(42-171)
VDMC5	(CLF) = Chloroform-d	(80-123)
VDMC6	(DCA) = 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN) = Benzene-d6	(78-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLC

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (BRF) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLKB2	100	104	90	107	97	101	102	0
02	VB2LCS	99	104	92	116	98	102	104	0
03	130173-TB	97	94	91	85	100	96	103	0
04	130173-MW-1-GW	99	101	91	80	96	100	105	0
05	130173-FB-6308	101	100	96	65	97	106	105	0
06	130173-MW-6-GW	100	103	96	58	96	99	100	0
07	130173-MW66-GW	100	102	93	84	97	101	106	0
08	130173-MW-5-GW	100	99	92	78	102	97	106	0
09	130173-MW-1-GWMS	99	102	94	79	100	101	105	0
10	130173-MW-1-GWMSD	102	104	97	64	94	98	103	0
11	VBLKC2	107	101	100	94	102	97	106	0
12	130173-MW-6-GWDL	109	104	99	109	95	99	101	0
13	130173-MW66-GWDL	105	101	95	90	97	98	98	0
14	130173-MW-2-GW	110	102	93	109	96	101	100	0
15	VHBLKC2	112	104	100	78	95	97	104	0

		QC LIMITS
VDMC8	(DPA) = 1,2-Dichloropropane-d6	(84-123)
VDMC9	(TOL) = Toluene-d8	(77-120)
VDMC10	(TDP) = trans-1,3-Dichloropropene-d4	(80-128)
VDMC11	(HEX) = 2-Hexanone-d5	(37-169)
VDMC12	(BRF) = Bromoform-d	(76-135)
VDMC13	(TCA) = 1,1,2,2-Tetrachloroethane-d2	(75-131)
VDMC14	(DCZ) = 1,2-Dichlorobenzene-d4	(50-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLC

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix Spike - EPA Sample No.: 130173-MW-1-GW

Instrument ID: V2 GC Column : DB-624 ID: 0.25 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS %REC	#	QC. LIMITS REC.
1,1-Dichloroethene	5.0000	0.0000	3.9380	79		61-145
Benzene	5.0000	0.0000	4.9499	99		76-127
Trichloroethene	5.0000	0.0000	4.9405	99		71-120
Toluene	5.0000	0.0000	5.1260	103		76-125
Chlorobenzene	5.0000	0.0000	5.1556	103		75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5.0000	3.9780	80		1		14	61-145
Benzene	5.0000	5.0540	101		2		11	76-127
Trichloroethene	5.0000	5.0410	101		2		14	71-120
Toluene	5.0000	5.2327	105		2		13	76-125
Chlorobenzene	5.0000	5.2033	104		1		13	75-130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab Sample ID: LCS-36900 LCS Lot No.:

Date Extracted: 06/05/2008 Date Analyzed (1): 06/05/2008

Instrument ID (1): V2 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,1-Dichloroethene	5.0000	3.5406	71		61-145
Benzene	5.0000	4.7331	95		76-127
Trichloroethene	5.0000	4.5561	91		71-120
Toluene	5.0000	4.7193	94		76-125
Chlorobenzene	5.0000	4.9503	99		75-130

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

LCS Recovery: 0 out of 5 outside limits.

COMMENTS:

EPA OLC

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: V2K4623.D Lab Sample ID: MB-36900

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/05/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:47

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VB2LCS	LCS-36900	V2K4624.D	12:06
02	130173-TB	G0846-01A	V2K4625.D	12:37
03	130173-MW-1-GW	G0846-02A	V2K4626.D	13:08
04	130173-FB-6308	G0846-03A	V2K4627.D	13:40
05	130173-MW-6-GW	G0846-04A	V2K4628.D	14:12
06	130173-MW66-GW	G0846-05A	V2K4629.D	14:44
07	130173-MW-5-GW	G0846-07A	V2K4631.D	15:47
08	130173-MW-1-GWMS	G0846-02AMS	V2K4632.D	16:19
09	130173-MW-1-GWMSD	G0846-02AMSD	V2K4633.D	16:51

COMMENTS:

EPA OLC

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: V2K4643.D Lab Sample ID: MB-36921

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/06/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 9:54

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	130173-MW-6-GWDL	G0846-04ADL	V2K4644.D	10:26
02	130173-MW66-GWDL	G0846-05ADL	V2K4645.D	10:58
03	130173-MW-2-GW	G0846-06A	V2K4646.D	11:29
04	VHBLKC2	VHBLKC2	V2K4658.D	17:48

COMMENTS:

EPA OLC

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.
BFB2O

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: V2K4431.D BFB Injection Date: 05/13/2008

Instrument ID: V2 BFB Injection Time: 11:22

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	46.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 -120.0% of mass 95	73.0
175	4.0 - 9.0 % of mass 174	4.1 (5.7)1
176	93.0 - 101.0% of mass 174	71.6 (98.2)1
177	5.0 - 9.0% of mass 176	4.9 (6.8)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.52O	VSTD0.52O	V2K4432.D	05/13/2008	11:54
02	VSTD0012O	VSTD0012O	V2K4433.D	05/13/2008	12:47
03	VSTD0052O	VSTD0052O	V2K4434.D	05/13/2008	13:17
04	VSTD0102O	VSTD0102O	V2K4435.D	05/13/2008	13:49
05	VSTD0252O	VSTD0252O	V2K4436.D	05/13/2008	14:21

EPA OLC

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.
BFBB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: V2K4621.D BFB Injection Date: 06/05/2008

Instrument ID: V2 BFB Injection Time: 9:34

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.8
75	30.0 - 66.0% of mass 95	48.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 -120.0% of mass 95	76.4
175	4.0 - 9.0 % of mass 174	4.0 (5.2)1
176	93.0 - 101.0% of mass 174	75.9 (99.3)1
177	5.0 - 9.0% of mass 176	5.0 (6.6)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005B2	VSTD005B2	V2K4622.D	06/05/2008	10:05
02	VBLKB2	MB-36900	V2K4623.D	06/05/2008	10:47
03	VB2LCS	LCS-36900	V2K4624.D	06/05/2008	12:06
04	130173-TB	G0846-01A	V2K4625.D	06/05/2008	12:37
05	130173-MW-1-GW	G0846-02A	V2K4626.D	06/05/2008	13:08
06	130173-FB-6308	G0846-03A	V2K4627.D	06/05/2008	13:40
07	130173-MW-6-GW	G0846-04A	V2K4628.D	06/05/2008	14:12
08	130173-MW66-GW	G0846-05A	V2K4629.D	06/05/2008	14:44
09	130173-MW-5-GW	G0846-07A	V2K4631.D	06/05/2008	15:47
10	130173-MW-1-GWMS	G0846-02AMS	V2K4632.D	06/05/2008	16:19
11	130173-MW-1-GWMSD	G0846-02AMSD	V2K4633.D	06/05/2008	16:51

EPA OLC

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.
BFBC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: V2K4641.D BFB Injection Date: 06/06/2008

Instrument ID: V2 BFB Injection Time: 8:40

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.1
75	30.0 - 66.0% of mass 95	50.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 -120.0% of mass 95	71.5
175	4.0 - 9.0 % of mass 174	5.6 (7.8)1
176	93.0 - 101.0% of mass 174	68.9 (96.3)1
177	5.0 - 9.0% of mass 176	4.7 (6.9)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005C2	VSTD005C2	V2K4642.D	06/06/2008	9:11
02	VBLKC2	MB-36921	V2K4643.D	06/06/2008	9:54
03	130173-MW-6-GWDL	G0846-04ADL	V2K4644.D	06/06/2008	10:26
04	130173-MW66-GWDL	G0846-05ADL	V2K4645.D	06/06/2008	10:58
05	130173-MW-2-GW	G0846-06A	V2K4646.D	06/06/2008	11:29
06	VHBLKC2	VHBLKC2	V2K4658.D	06/06/2008	17:48

EPA OLC

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Date Analyzed: 06/05/2008

Lab File ID (Standard): V2K4622.D Time Analyzed: 10:05

Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	491046		10.075		687375		6.503		201229		12.965	
	UPPER LIMIT	687464		10.405		962325		6.833		281721		13.295	
	LOWER LIMIT	294628		9.745		412425		6.173		120737		12.635	
	SAMPLE NO.												
01	VBLKB2	616920		10.075		914255		6.493		239763		12.965	
02	VB2LCS	592259		10.065		872973		6.493		222002		12.966	
03	130173-TB	527498		10.075		772295		6.493		187395		12.966	
04	130173-MW-1-GW	535619		10.075		774253		6.493		193593		12.966	
05	130173-FB-6308	578720		10.075		826275		6.493		216173		12.966	
06	130173-MW-6-GW	504629		10.077		738718		6.495		190142		12.967	
07	130173-MW66-GW	503412		10.064		729814		6.493		180102		12.966	
08	130173-MW-5-GW	502067		10.074		729992		6.492		179285		12.965	
09	130173-MW-1-GWMS	533570		10.064		768128		6.492		198818		12.965	
10	130173-MW-1-GWMSD	525405		10.067		761925		6.485		195711		12.968	

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Date Analyzed: 06/06/2008

Lab File ID (Standard): V2K4642.D Time Analyzed: 9:11

Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	470400		10.064		660928		6.482		184304		12.955	
	UPPER LIMIT	658560		10.394		925299		6.812		258026		13.285	
	LOWER LIMIT	282240		9.734		396557		6.152		110582		12.625	
	SAMPLE NO.												
01	VBLKC2	483970		10.053		705199		6.482		171622		12.955	
02	130173-MW-6-GWDL	473457		10.055		686714		6.473		177862		12.945	
03	130173-MW66-GWDL	464414		10.054		669449		6.472		168961		12.955	
04	130173-MW-2-GW	474261		10.045		692703		6.474		181255		12.947	
05	VHBLKC2	394273		10.065		578879		6.483		145304		12.956	

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-TB

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4625.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-TB

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4625.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-TB

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4625.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

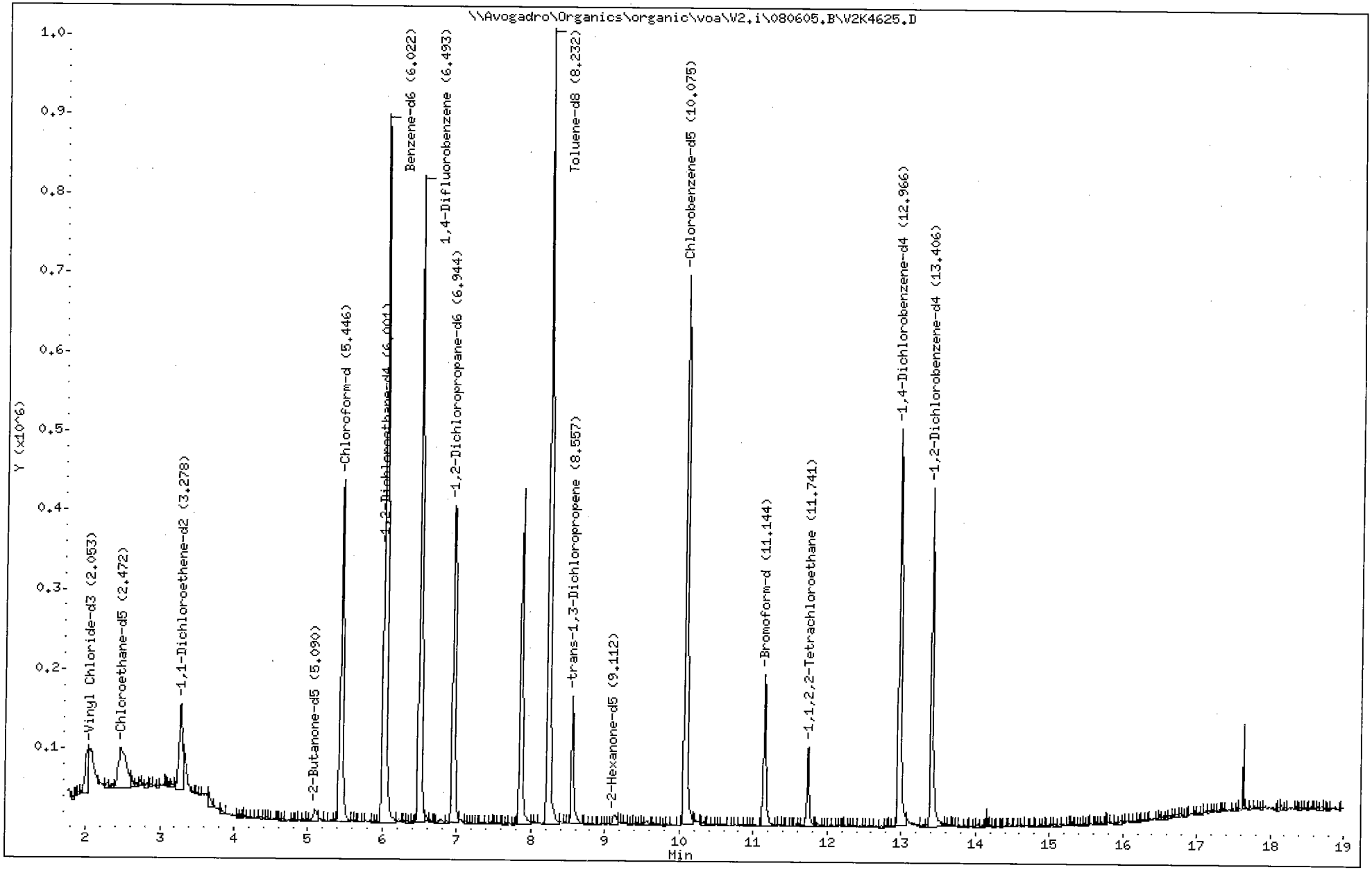
[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4625.D
Date : 05-JUN-2008 12:37
Client ID: 130173-TB
Sample Info: 25ML,G0846-01A,,36900
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



0027

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4625.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4625.D
Lab Smp Id: G0846-01A Client Smp ID: 130173-TB
Inj Date : 05-JUN-2008 12:37
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-01A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

SL 6/11/08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 79 Vinyl Chloride-d3	65	2.052	2.062	(0.316)	268162	4.92453	4.9
$ 80 Chloroethane-d5	69	2.471	2.470	(0.381)	192351	5.63185	5.6
$ 81 1,1-Dichloroethene-d2	100	3.277	3.277	(0.505)	60250	3.86069	3.9(Q)
$ 82 2-Butanone-d5	46	5.089	5.089	(0.784)	30062	5.90202	5.9
$ 83 Chloroform-d	84	5.446	5.445	(0.839)	469528	4.75995	4.8(Q)
$ 23 1,2-Dichloroethane-d4	65	6.001	6.010	(0.924)	154755	4.67712	4.7
$ 84 Benzene-d6	84	6.032	6.031	(0.599)	958289	5.17586	5.2
* 26 1,4-Difluorobenzene	114	6.493	6.503	(1.000)	772295	5.00000	
$ 85 1,2-Dichloropropane-d6	67	6.954	6.953	(0.690)	238257	4.86264	4.9
$ 33 Toluene-d8	98	8.231	8.231	(0.817)	770691	4.69672	4.7
$ 86 trans-1,3-Dichloropropene-d4	79	8.556	8.555	(0.849)	128219	4.56414	4.6
$ 87 2-Hexanone-d5	63	9.111	9.090	(0.904)	10594	4.26709	4.3(aQ)
* 42 Chlorobenzene-d5	117	10.075	10.074	(1.000)	527498	5.00000	
$ 88 Bromoform-d	174	11.143	11.142	(0.859)	122863	5.00600	5.0
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.730	11.729	(1.164)	71412	4.78901	4.8
* 78 1,4-Dichlorobenzene-d4	152	12.965	12.965	(1.000)	187395	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.405	13.405	(1.034)	143830	5.13447	5.1

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

6/6/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4625.D
Report Date: 06-Jun-2008 11:10

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4625.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4625.D
Lab Smp Id: G0846-01A Client Smp ID: 130173-TB
Inj Date : 05-JUN-2008 12:37
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-01A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4626.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.8	
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4626.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4626.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	544-25-2	1,3,5-Cycloheptatriene	8.316	0.54	NJ
	E966796 [1]	Total Alkanes	N/A		

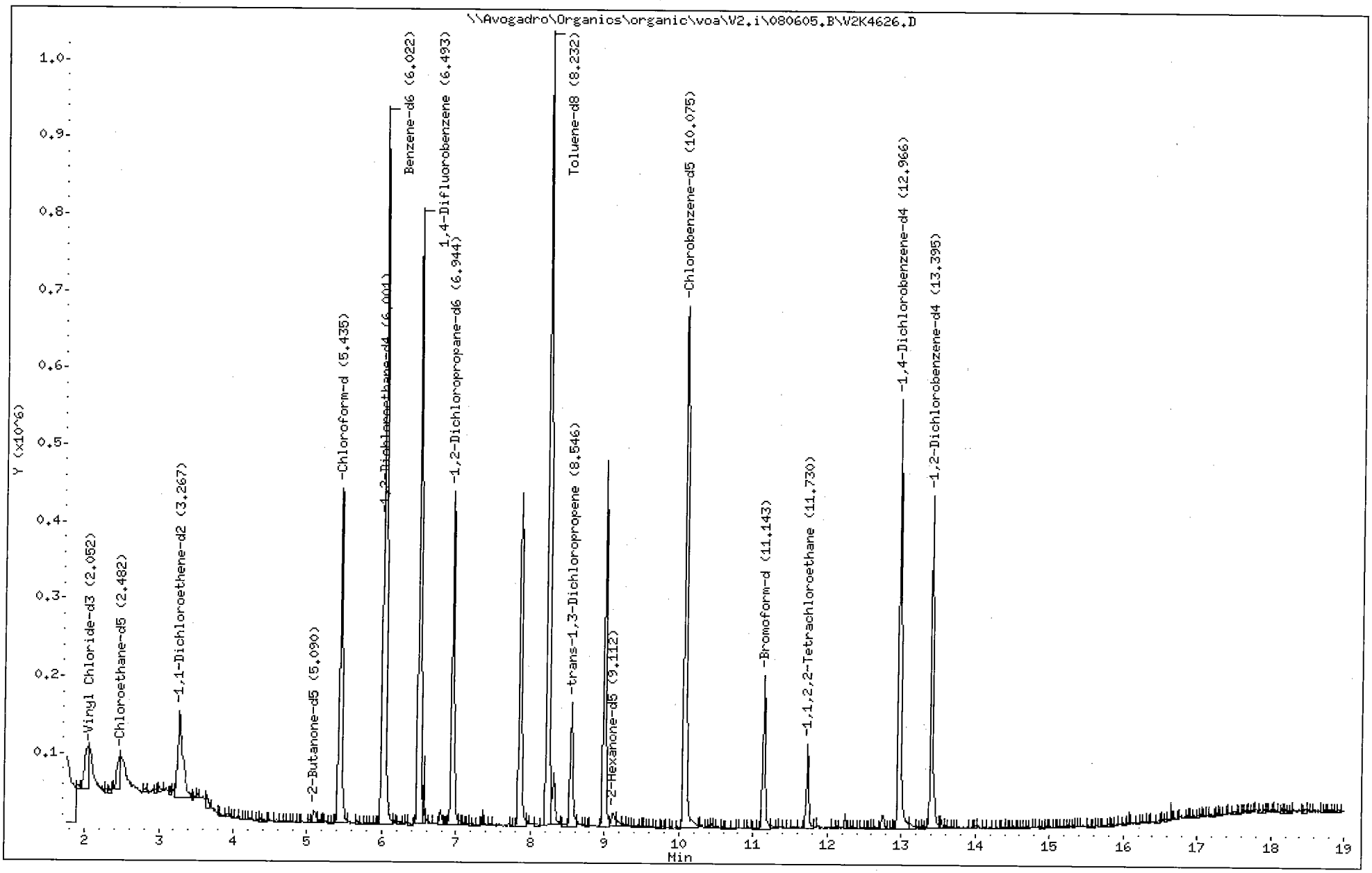
[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4626.D
Date : 05-JUN-2008 13:08
Client ID: 130173-MW-1-GW
Sample Info: 25ML,G0846-02A,,36900
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4626.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4626.D
Lab Smp Id: G0846-02A Client Smp ID: 130173-MW-1-GW
Inj Date : 05-JUN-2008 13:08
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-02A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.052	2.062	(0.316)	263202	4.82123	4.8
$	80 Chloroethane-d5	69	2.481	2.470	(0.382)	184457	5.38707	5.4
$	81 1,1-Dichloroethene-d2	100	3.267	3.277	(0.503)	62513	3.99557	4.0(Q)
$	82 2-Butanone-d5	46	5.089	5.089	(0.784)	34967	6.84765	6.8
$	83 Chloroform-d	84	5.435	5.445	(0.837)	484025	4.89451	4.9(Q)
$	23 1,2-Dichloroethane-d4	65	6.000	6.010	(0.924)	160836	4.84861	4.8
$	84 Benzene-d6	84	6.021	6.031	(0.598)	967884	5.14842	5.1
*	26 1,4-Difluorobenzene	114	6.493	6.503	(1.000)	774253	5.00000	
$	85 1,2-Dichloropropane-d6	67	6.943	6.953	(0.689)	247035	4.96534	5.0
$	33 Toluene-d8	98	8.231	8.231	(0.817)	840101	5.04209	5.0
$	86 trans-1,3-Dichloropropene-d4	79	8.545	8.555	(0.848)	130454	4.57329	4.6
	37 Tetrachloroethene	164	8.996	8.995	(0.893)	138053	2.80181	2.8
$	87 2-Hexanone-d5	63	9.111	9.090	(0.904)	10033	3.97985	4.0(aQ)
*	42 Chlorobenzene-d5	117	10.075	10.074	(1.000)	535619	5.00000	
$	88 Bromoform-d	174	11.143	11.142	(0.859)	122287	4.82301	4.8
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.164)	75848	5.00937	5.0
*	78 1,4-Dichlorobenzene-d4	152	12.965	12.965	(1.000)	193593	5.00000	
$	90 1,2-Dichlorobenzene-d4	152	13.395	13.405	(1.033)	152099	5.25582	5.3

6/6/08

SL 6/11/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4626.D
Report Date: 06-Jun-2008 11:10

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4626.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4626.D
Lab Smp Id: G0846-02A Client Smp ID: 130173-MW-1-GW
Inj Date : 05-JUN-2008 13:08
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-02A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	10.075	1650745	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1,3,5-Cycloheptatriene			CAS #: 544-25-2				
8.316	177369	0.53723846	0.54	86	NIST2002.L	2418	42

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4626.D

Date : 05-JUN-2008 13:08

Client ID: 130173-MW-1-GW

Instrument: V2.i

Sample Info: 25ML,G0846-02A,,36900

Purge Volume: 25.0

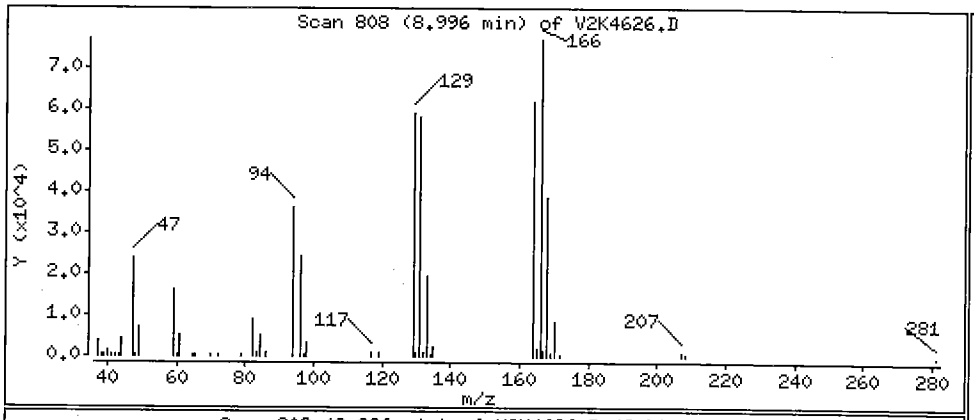
Operator: HZ SRC: LIMS

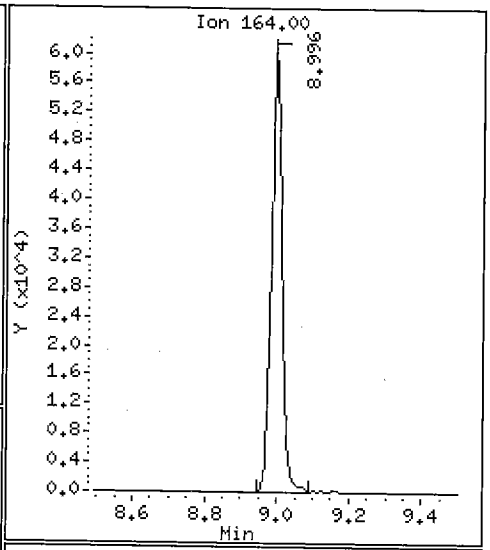
Column phase: DB-624

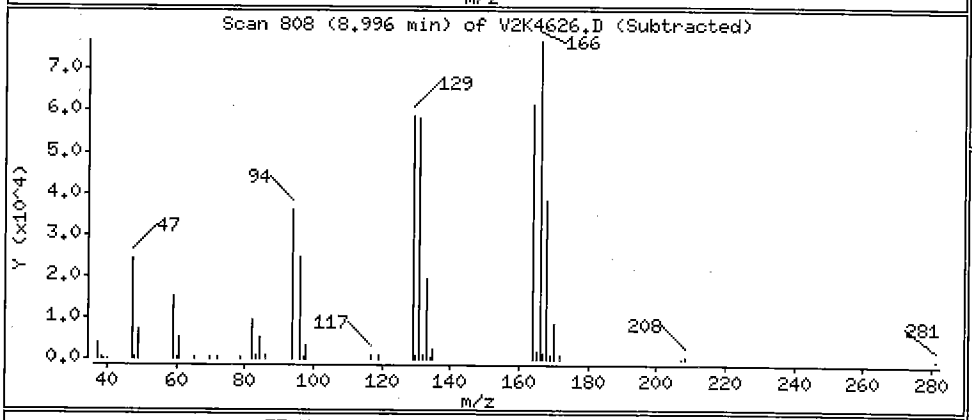
Column diameter: 0.25

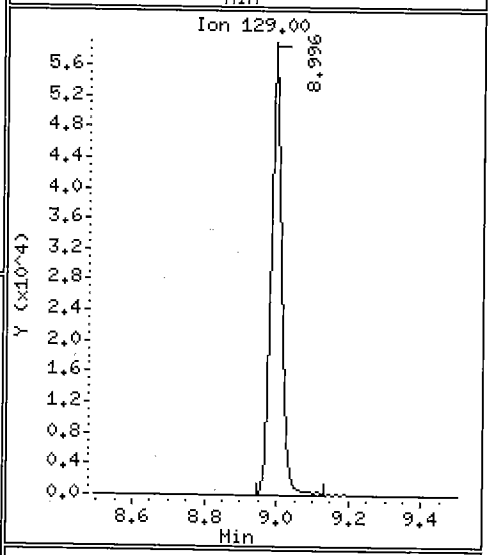
37 Tetrachloroethene

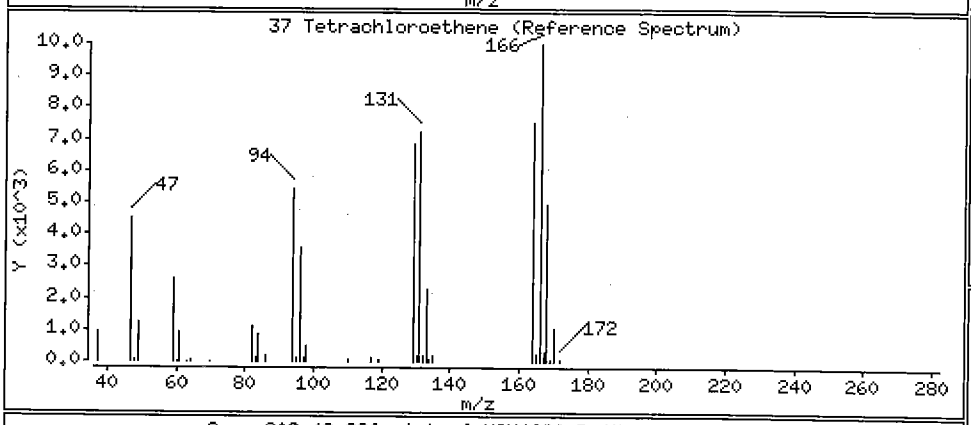
Concentration: 2.8 ug/L

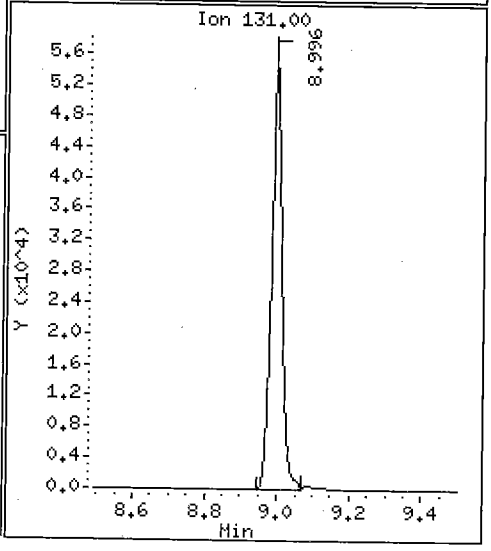


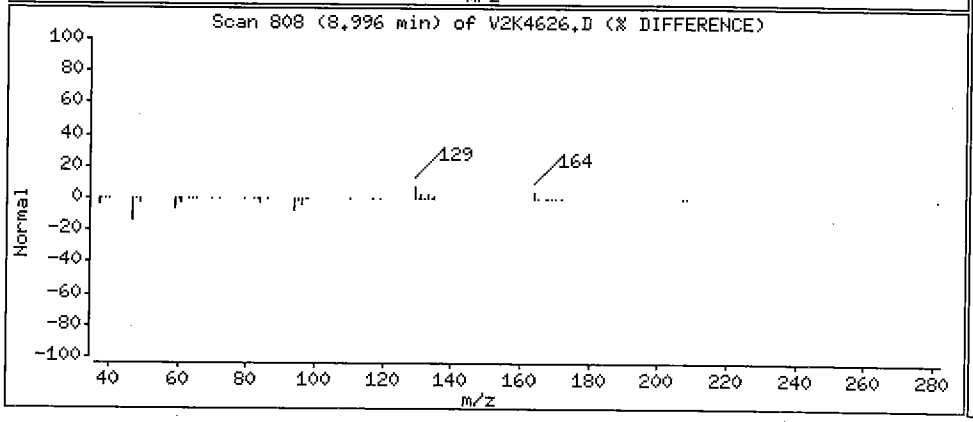












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4626.D

Date : 05-JUN-2008 13:08

Client ID: 130173-MW-1-GW

Instrument: V2.i

Sample Info: 25ML,G0846-02A,,36900

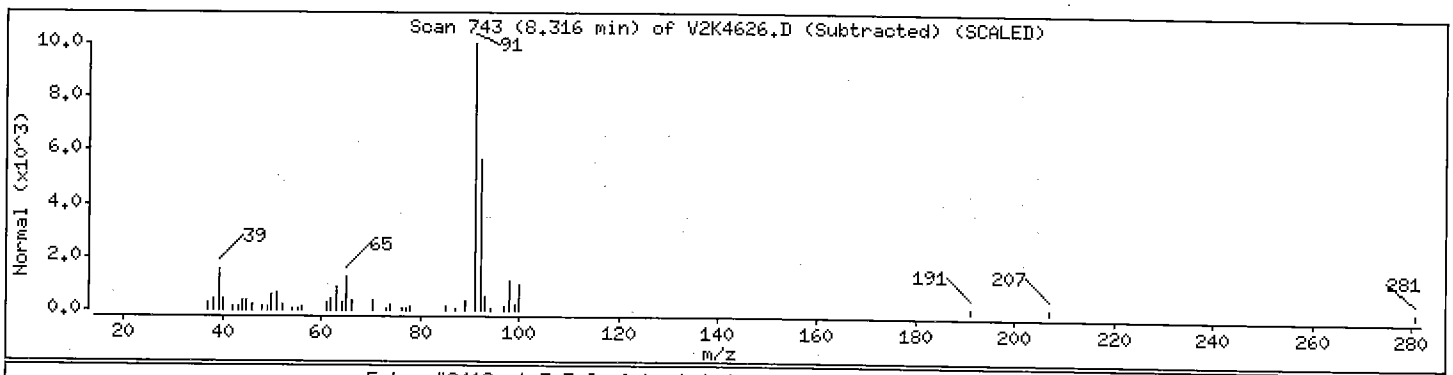
Purge Volume: 25.0

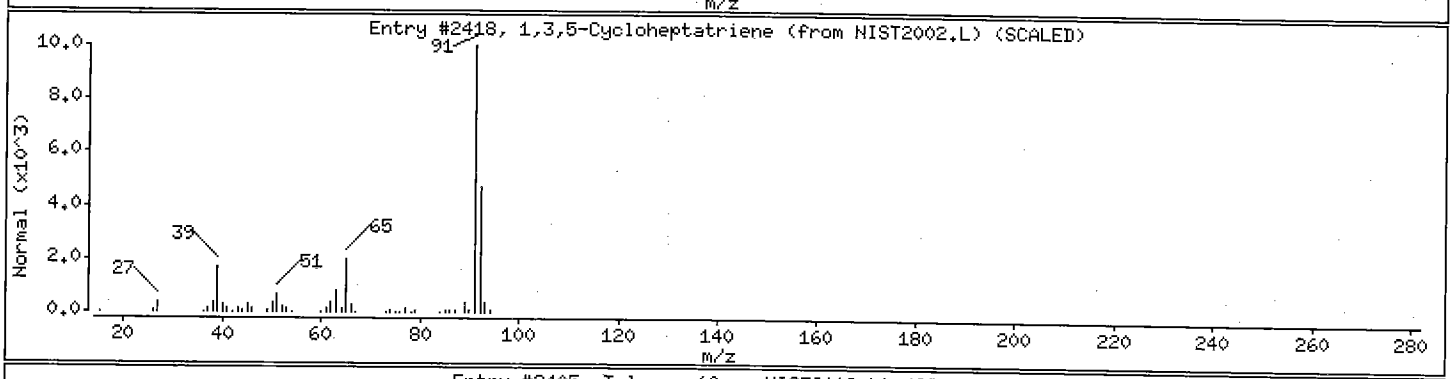
Operator: HZ SRC: LIMS

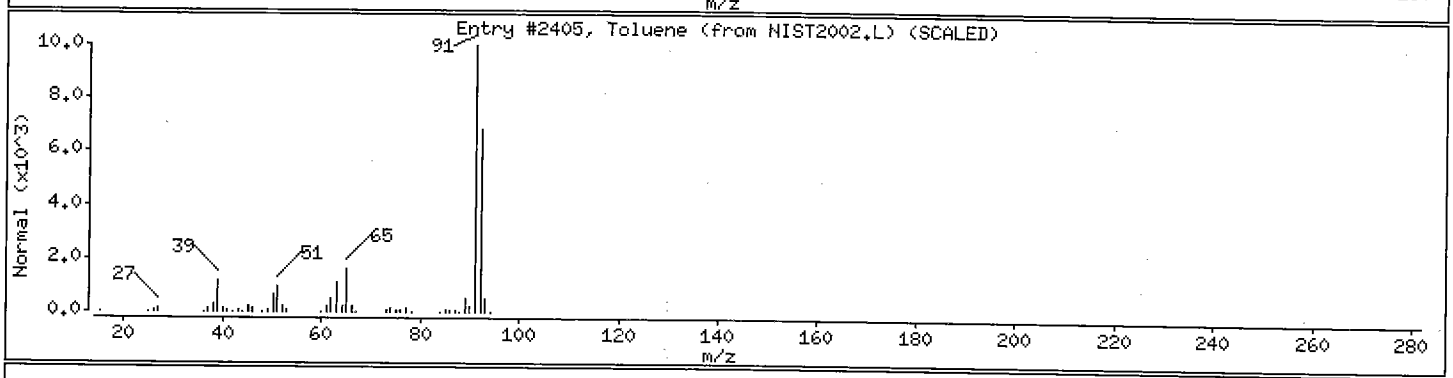
Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,3,5-Cycloheptatriene	544-25-2	NIST2002.L	2418	86	C7H8	92
Toluene	108-88-3	NIST2002.L	2405	76	C7H8	92







1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4627.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.78	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4627.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4627.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

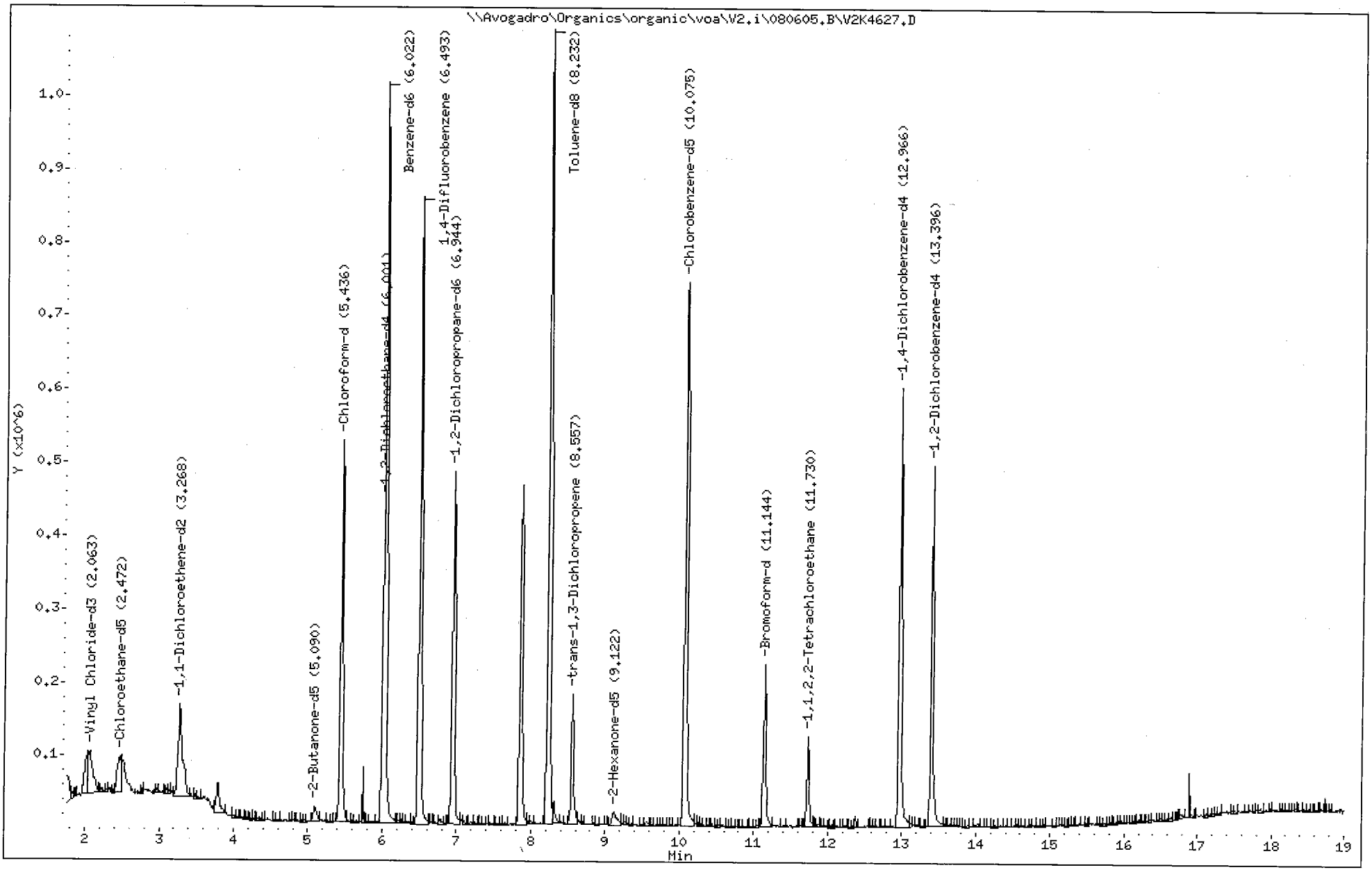
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4627.D
Date : 05-JUN-2008 13:40
Client ID: 130173-FB-6308
Sample Info: 25ML,G0846-03A,,36900
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4627.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4627.D
Lab Smp Id: G0846-03A Client Smp ID: 130173-FB-6308
Inj Date : 05-JUN-2008 13:40
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-03A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 79 Vinyl Chloride-d3	65	2.063	2.062	(0.318)	301239	5.17056	5.2
$ 80 Chloroethane-d5	69	2.471	2.470	(0.381)	194323	5.31789	5.3
$ 81 1,1-Dichloroethene-d2	100	3.267	3.277	(0.503)	63855	3.82439	3.8(Q)
12 Methylene Chloride	84	3.780	3.790	(0.582)	32601	0.77521	0.78
$ 82 2-Butanone-d5	46	5.090	5.089	(0.784)	37200	6.82628	6.8
$ 83 Chloroform-d	84	5.435	5.445	(0.837)	524778	4.97250	5.0(Q)
$ 23 1,2-Dichloroethane-d4	65	6.001	6.010	(0.924)	175622	4.96103	5.0
$ 84 Benzene-d6	84	6.022	6.031	(0.598)	1049592	5.16724	5.2
* 26 1,4-Difluorobenzene	114	6.493	6.503	(1.000)	826275	5.00000	
$ 85 1,2-Dichloropropane-d6	67	6.943	6.953	(0.689)	272018	5.06030	5.1
$ 33 Toluene-d8	98	8.232	8.231	(0.817)	902297	5.01206	5.0
$ 86 trans-1,3-Dichloropropene-d4	79	8.546	8.555	(0.848)	148087	4.80480	4.8
$ 87 2-Hexanone-d5	63	9.111	9.090	(0.904)	8879	3.25978	3.3(aQ)
* 42 Chlorobenzene-d5	117	10.075	10.074	(1.000)	578720	5.00000	
$ 88 Bromoform-d	174	11.143	11.142	(0.859)	137063	4.84113	4.8
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.730	11.729	(1.164)	86355	5.27854	5.3
* 78 1,4-Dichlorobenzene-d4	152	12.966	12.965	(1.000)	216173	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.395	13.405	(1.033)	169693	5.25130	5.3

wl 6/6/08

HZA

0044

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4627.D
Report Date: 06-Jun-2008 11:10

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4627.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4627.D
Lab Smp Id: G0846-03A Client Smp ID: 130173-FB-6308
Inj Date : 05-JUN-2008 13:40
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-03A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4627.D

Date : 05-JUN-2008 13:40

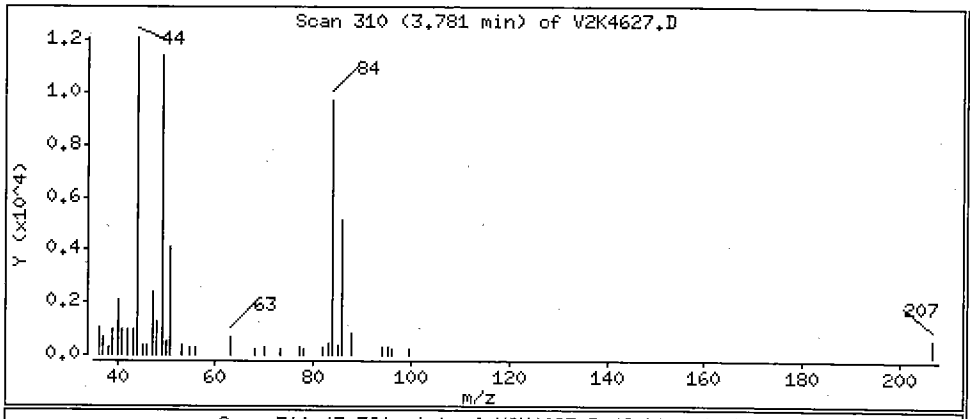
Client ID: 130173-FB-6308 Instrument: V2.i

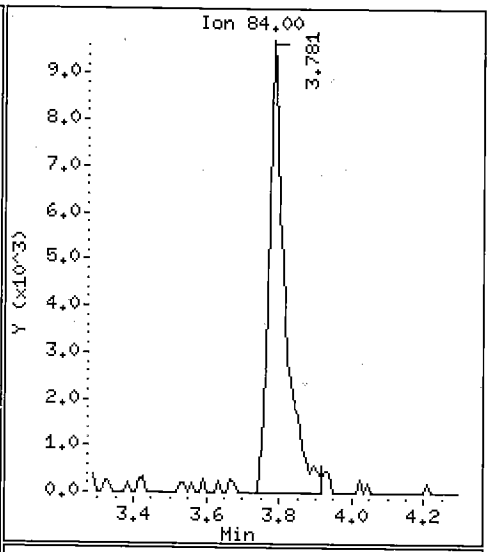
Sample Info: 25ML,G0846-03A,,36900

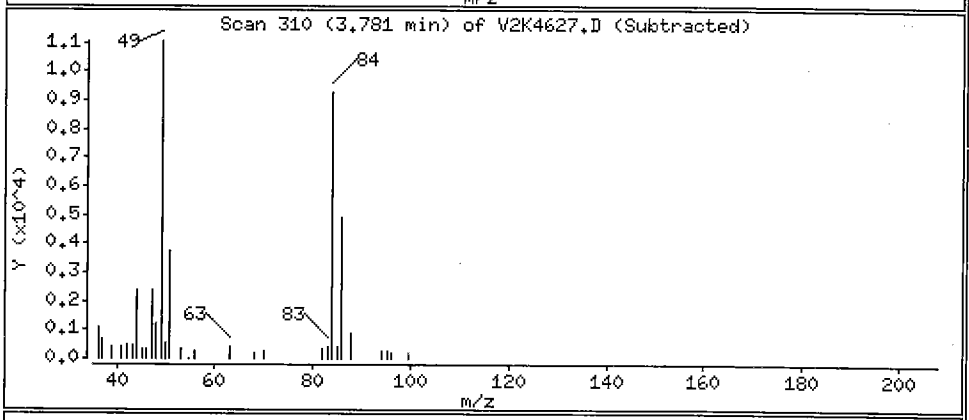
Purge Volume: 25.0 Operator: HZ SRC: LIMS

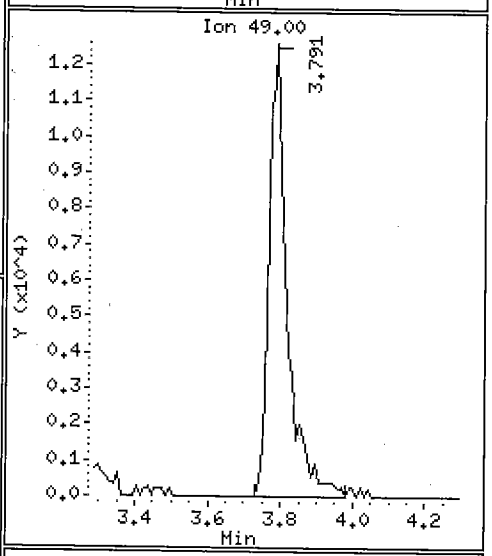
Column phase: DB-624 Column diameter: 0.25

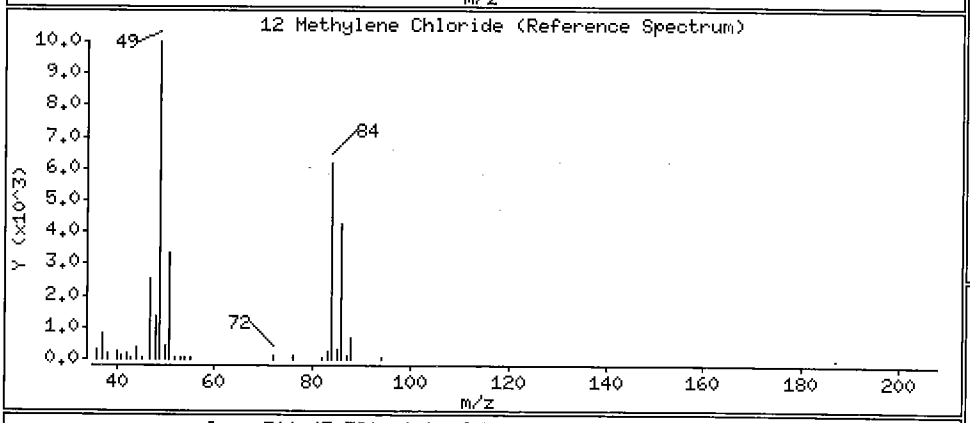
12 Methylene Chloride Concentration: 0.78 ug/L

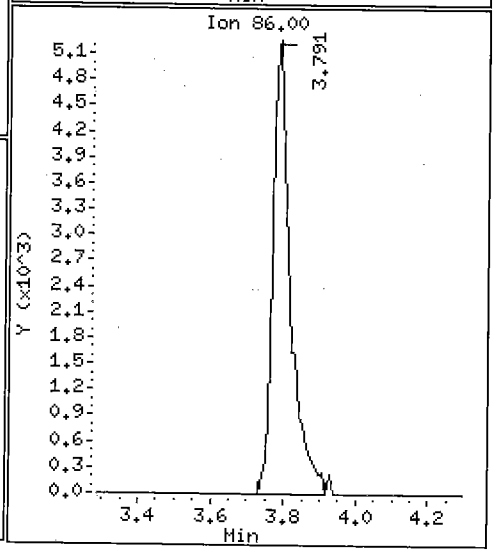


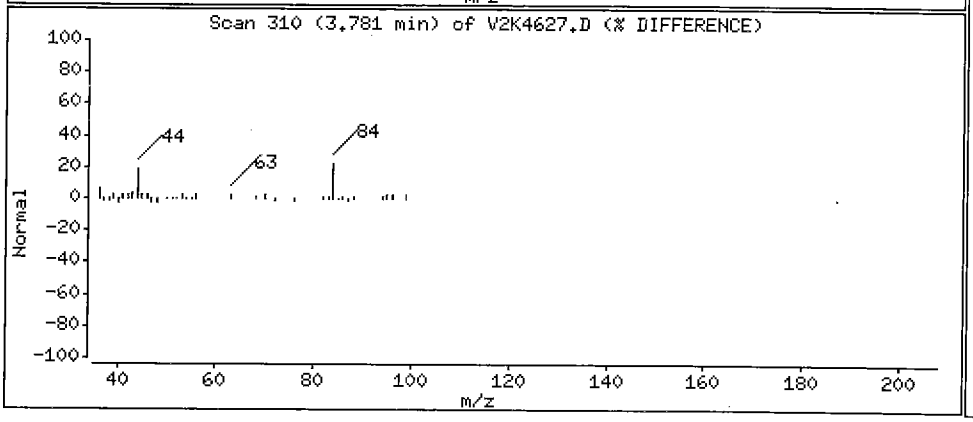












1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4628.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.92	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.59	
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.40	J
75-34-3	1,1-Dichloroethane	0.33	J
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	1.4	
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	7.8	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	27	E
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4628.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4628.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

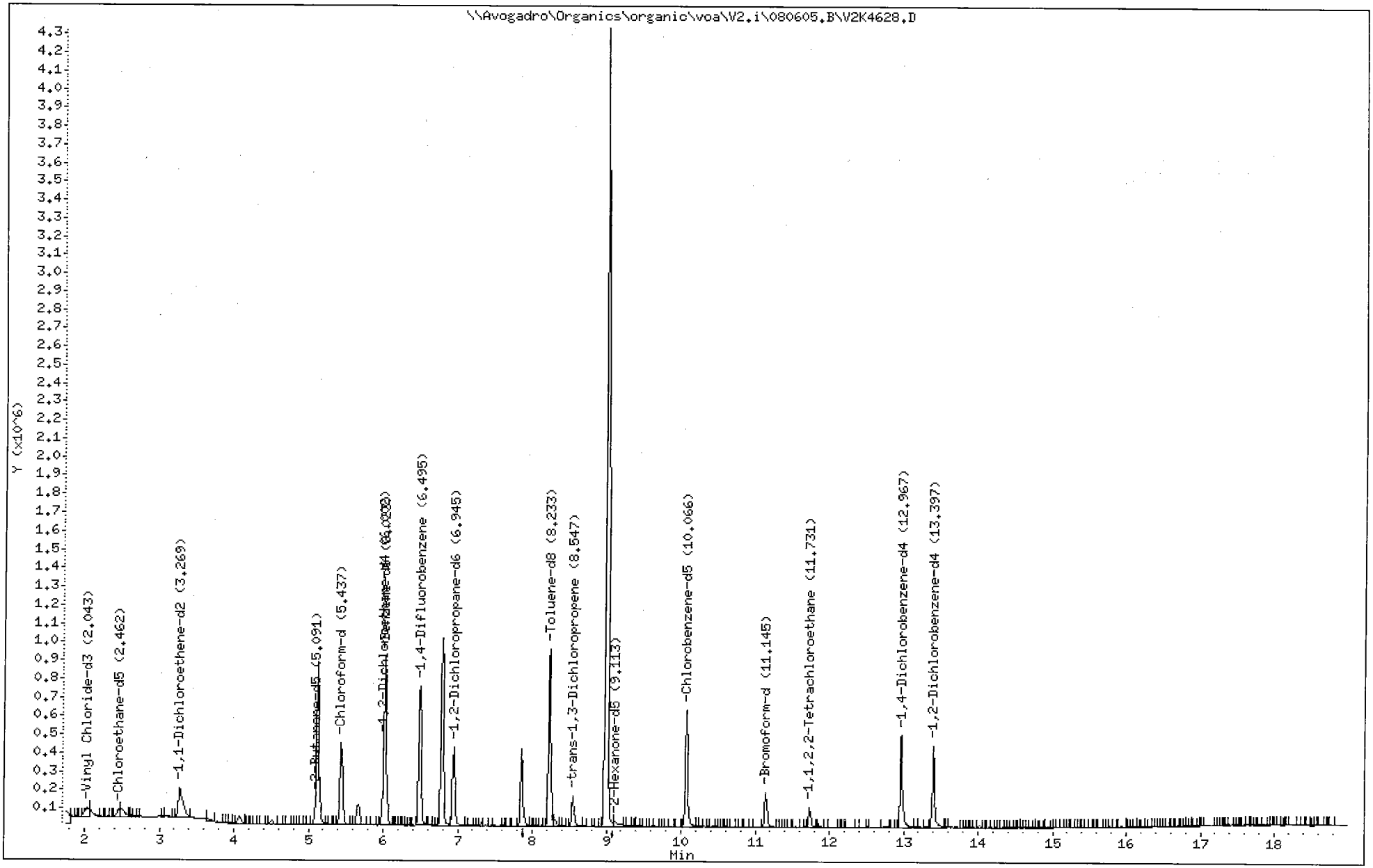
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D
Date : 05-JUN-2008 14:12
Client ID: 130173-MW-6-GW
Sample Info: 25ML,G0846-04A,,36900
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i
Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D
Lab Smp Id: G0846-04A Client Smp ID: 130173-MW-6-GW
Inj Date : 05-JUN-2008 14:12
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-04A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.053	2.062	(0.316)	261239	5.01546	5.0
$	80 Chloroethane-d5	69	2.462	2.470	(0.379)	175549	5.37353	5.4
$	81 1,1-Dichloroethene-d2	100	3.268	3.277	(0.503)	58406	3.91264	3.9(Q)
	7 1,1-Dichloroethene	96	3.289	3.287	(0.507)	26078	0.92019	0.92(Q)
	8 Freon113	101	3.279	3.298	(0.505)	31421	0.59005	0.59
	14 Methyl tert-Butyl Ether	73	4.085	4.083	(0.629)	41503	0.40362	0.40(a)
	15 1,1-Dichloroethane	63	4.504	4.513	(0.694)	31587	0.32994	0.33(a)
$	82 2-Butanone-d5	46	5.091	5.089	(0.784)	29955	6.14832	6.1
	17 cis-1,2-Dichloroethene	96	5.122	5.131	(0.789)	479431	10.4694	10
$	83 Chloroform-d	84	5.436	5.445	(0.837)	470073	4.98208	5.0(Q)
	20 1,1,1-Trichloroethane	97	5.667	5.675	(0.562)	107514	1.44616	1.4
$	23 1,2-Dichloroethane-d4	65	6.002	6.010	(0.924)	155372	4.90921	4.9
$	84 Benzene-d6	84	6.023	6.031	(0.598)	925957	5.22788	5.2
*	26 1,4-Difluorobenzene	114	6.494	6.503	(1.000)	738718	5.00000	
	27 Trichloroethene	95	6.787	6.796	(0.674)	408375	7.76053	7.8
$	85 1,2-Dichloropropane-d6	67	6.945	6.953	(0.689)	235389	5.02182	5.0
$	33 Toluene-d8	98	8.233	8.231	(0.817)	809206	5.15492	5.2
$	86 trans-1,3-Dichloropropene-d4	79	8.547	8.555	(0.848)	128769	4.79144	4.8
	37 Tetrachloroethene	164	8.997	8.995	(0.893)	1233798	26.5779	27(A)
$	87 2-Hexanone-d5	63	9.113	9.090	(0.904)	6867	2.89126	2.9(aQ)
*	42 Chlorobenzene-d5	117	10.076	10.074	(1.000)	504629	5.00000	
$	88 Bromoform-d	174	11.144	11.142	(0.859)	119513	4.79915	4.8

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D
Report Date: 06-Jun-2008 11:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.731	11.729	(1.164)	70409	4.93573	4.9
* 78 1,4-Dichlorobenzene-d4	152	12.967	12.965	(1.000)	190142	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.396	13.405	(1.033)	141889	4.99200	5.0

6/6/08

HZA

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D
Lab Smp Id: G0846-04A Client Smp ID: 130173-MW-6-GW
Inj Date : 05-JUN-2008 14:12
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-04A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D

Date : 05-JUN-2008 14:12

Client ID: 130173-MW-6-GW

Instrument: V2.i

Sample Info: 25ML,G0846-04A,,36900

Purge Volume: 25.0

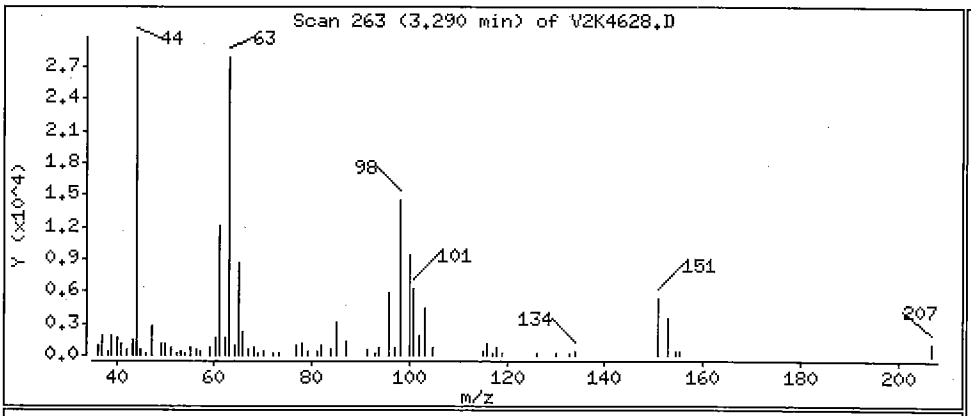
Operator: HZ SRC: LIMS

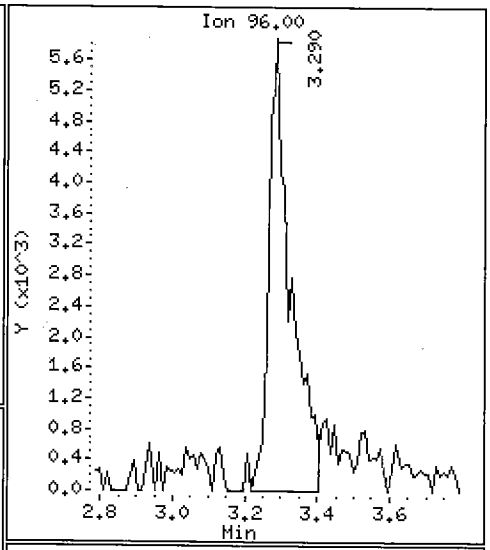
Column phase: DB-624

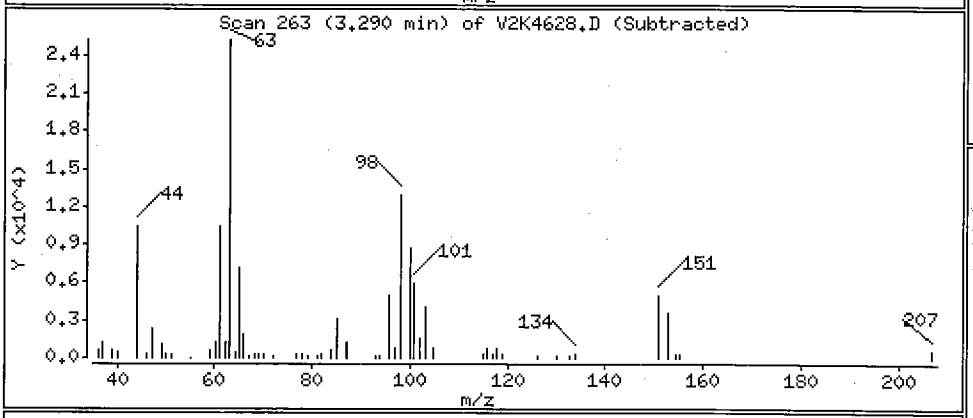
Column diameter: 0.25

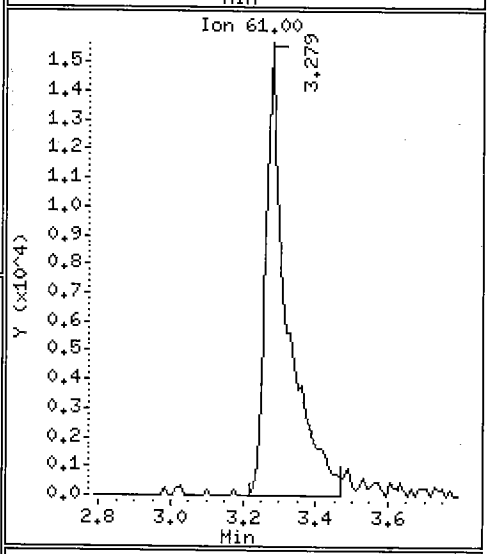
7 1,1-Dichloroethene

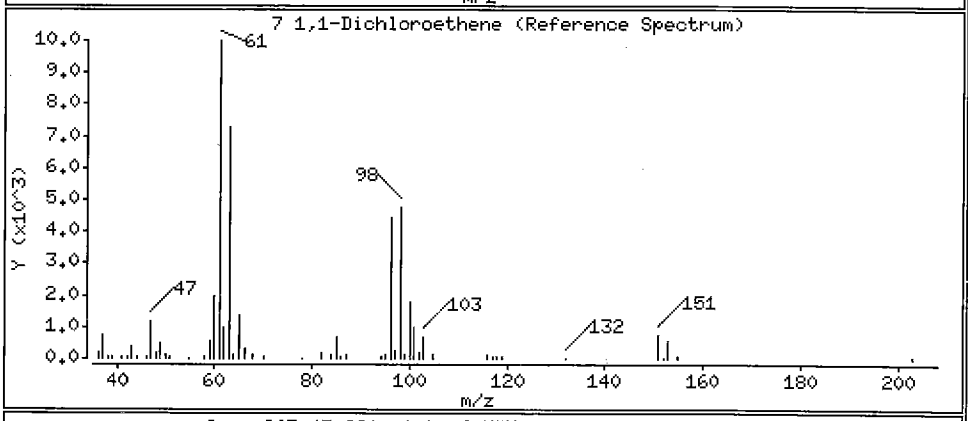
Concentration: 0.92 ug/L

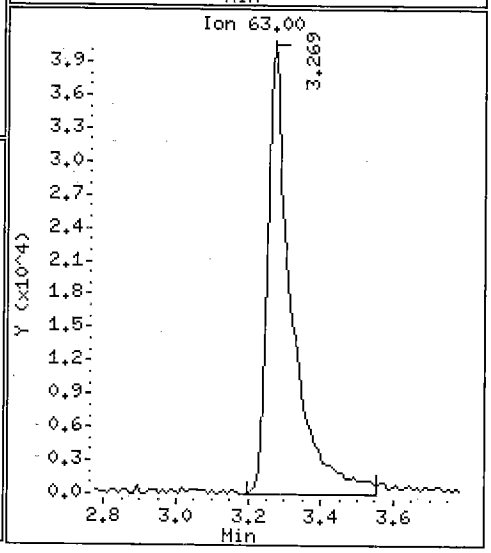


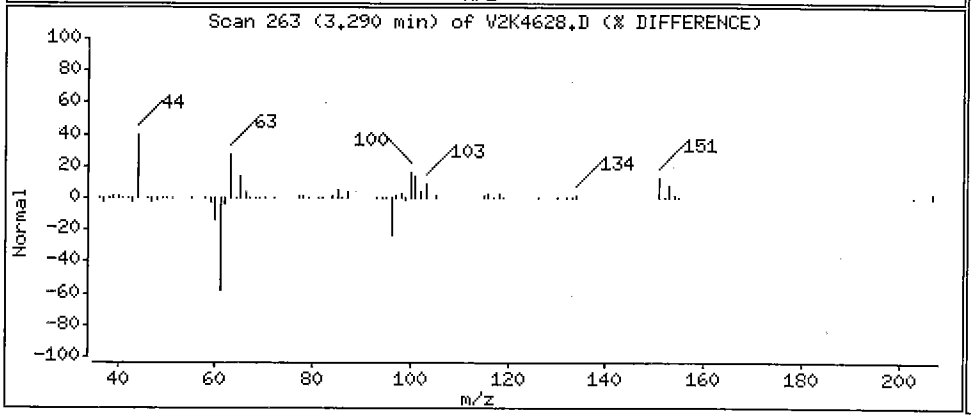












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D

Date : 05-JUN-2008 14:12

Client ID: 130173-MW-6-GW

Instrument: V2.i

Sample Info: 25ML,G0846-04A,,36900

Purge Volume: 25.0

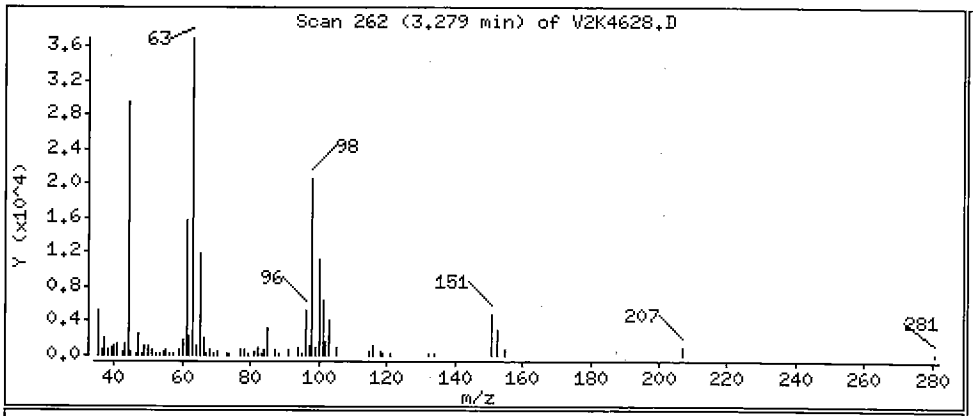
Operator: HZ SRC: LIMS

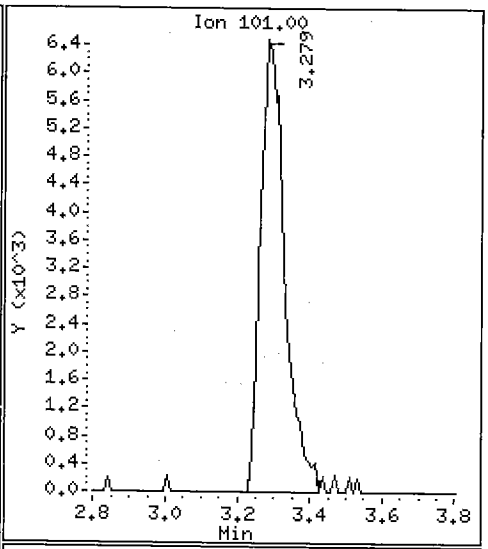
Column phase: DB-624

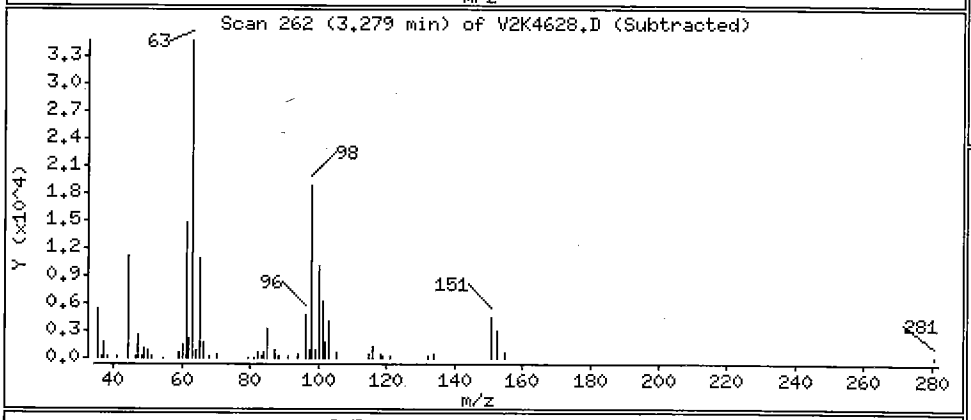
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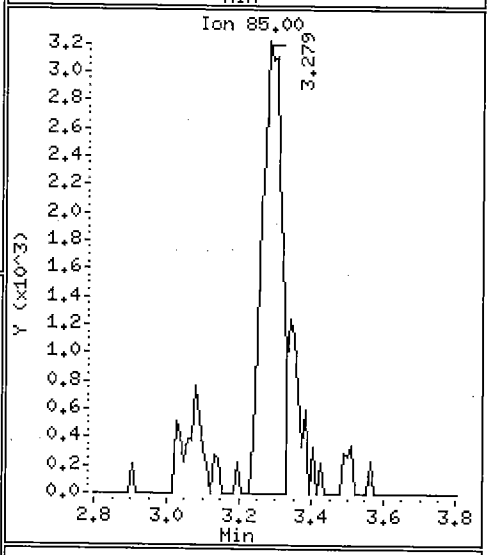
8 Freon113

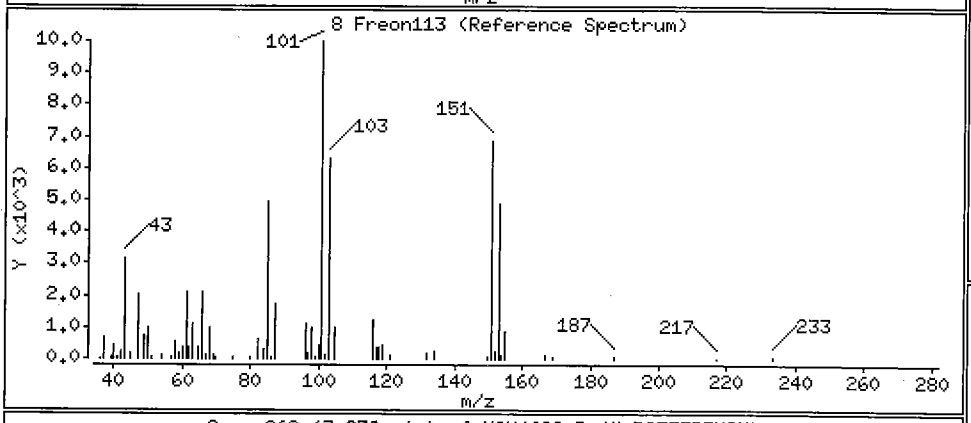
Concentration: 0.59 ug/L

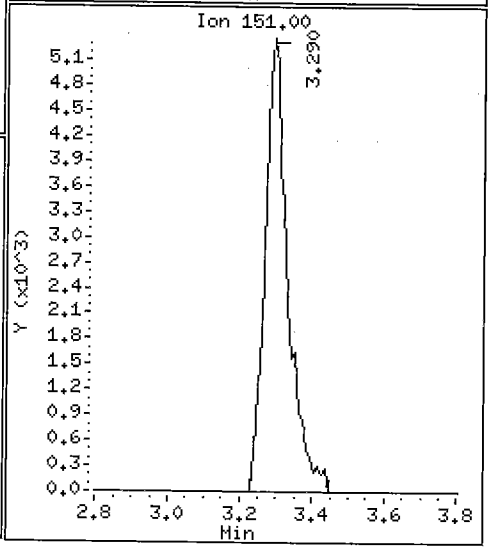


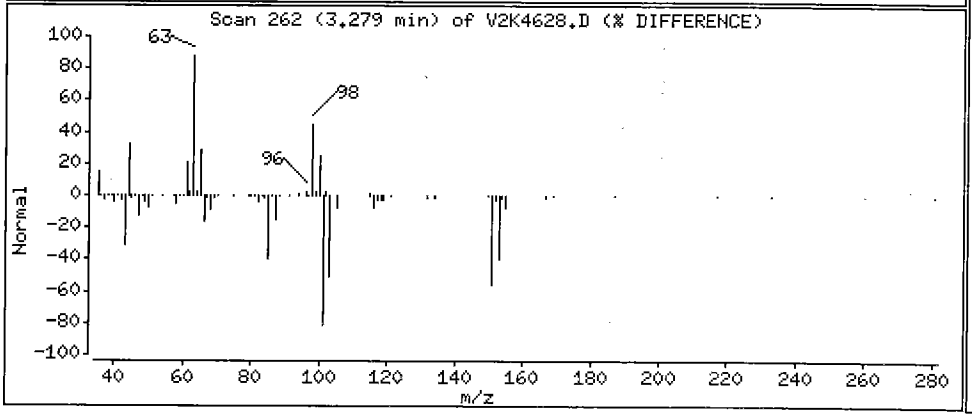












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D

Date : 05-JUN-2008 14:12

Client ID: 130173-MW-6-GW

Instrument: V2.i

Sample Info: 25ML,G0846-04A,,36900

Purge Volume: 25.0

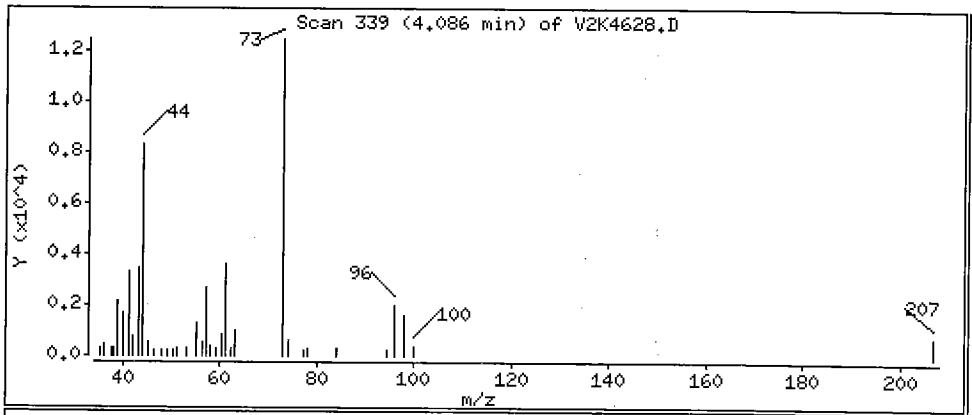
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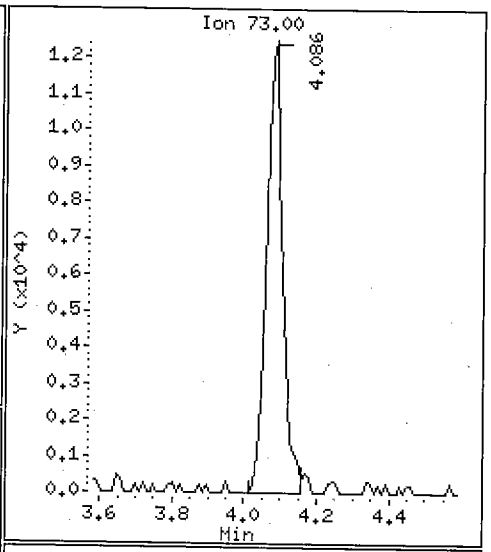
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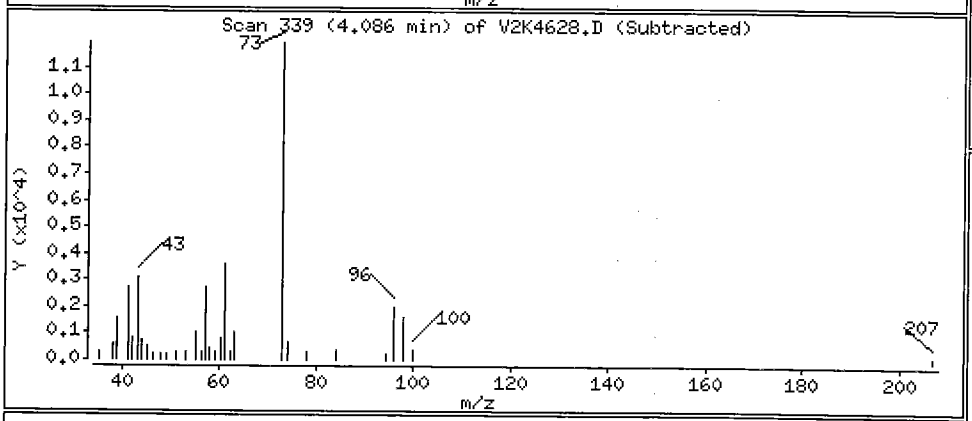
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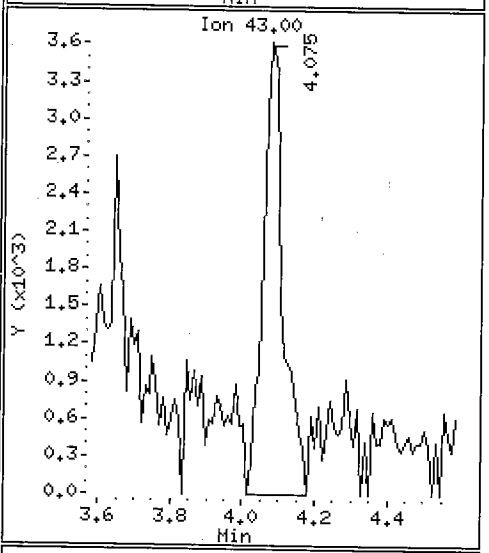
14 Methyl tert-Butyl Ether

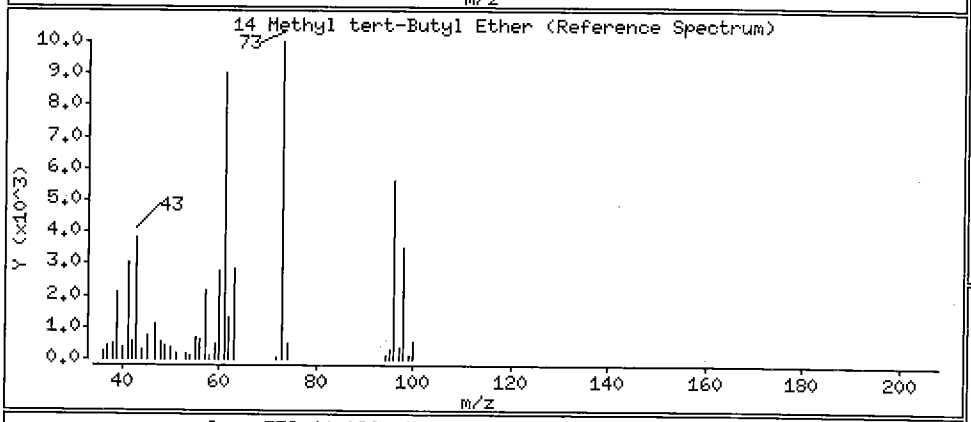
Concentration: 0.40 ug/L

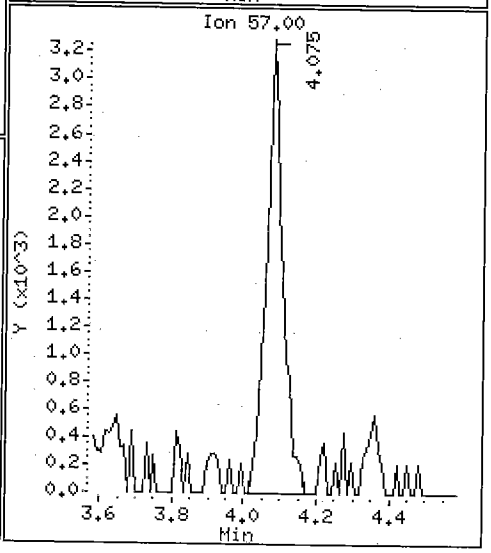


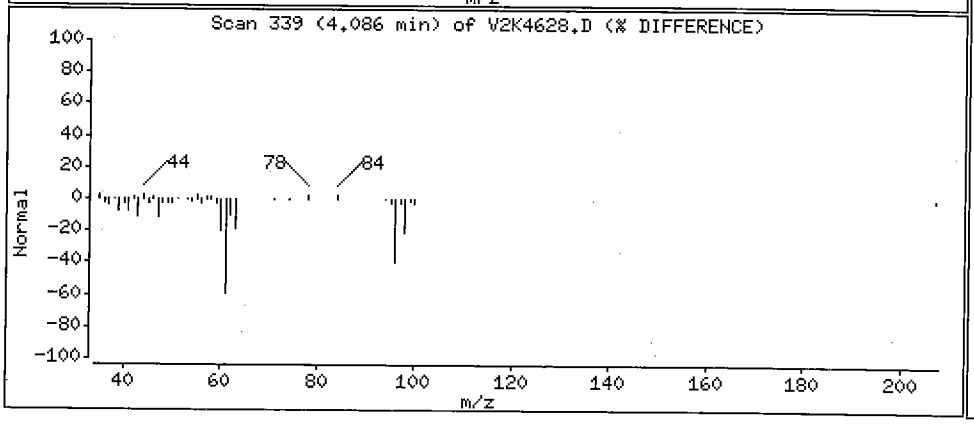












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D

Date : 05-JUN-2008 14:12

Client ID: 130173-MW-6-GW

Instrument: V2.i

Sample Info: 25ML,G0846-04A,,36900

Purge Volume: 25.0

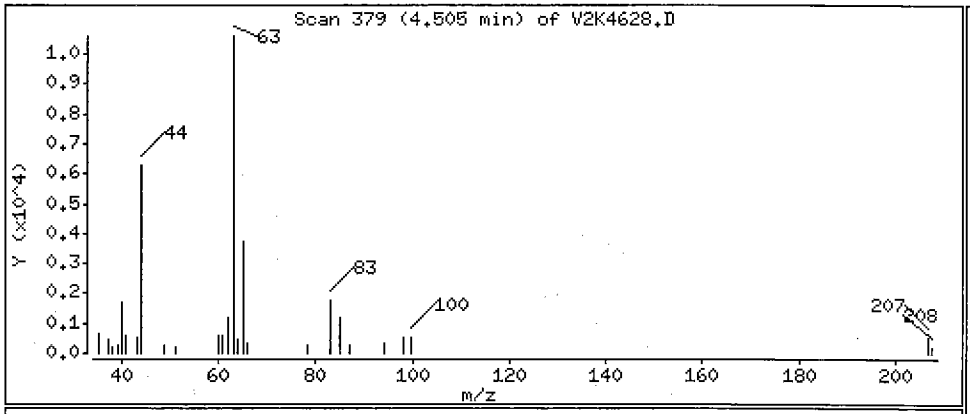
Operator: HZ SRC: LIMS

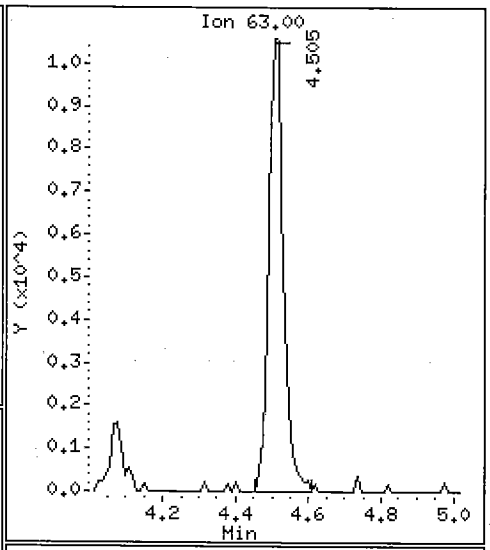
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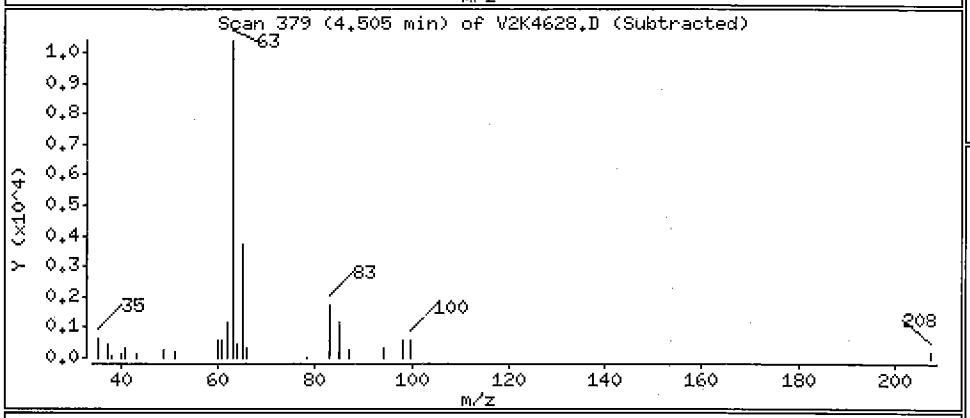
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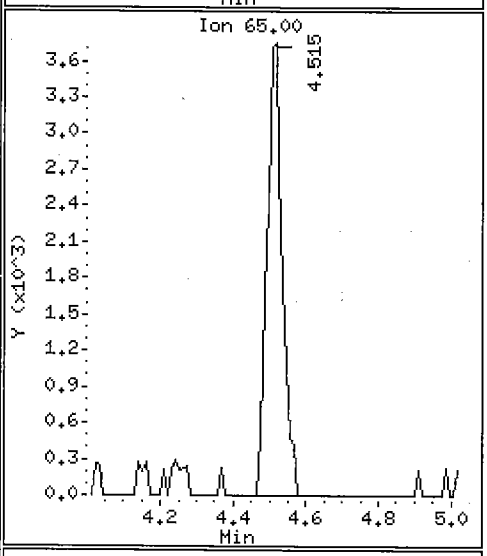
15 1,1-Dichloroethane

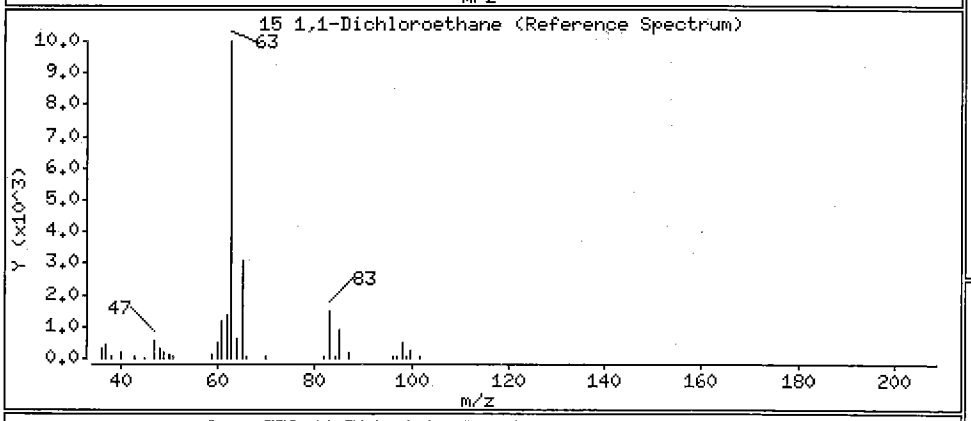
Concentration: 0.33 ug/L

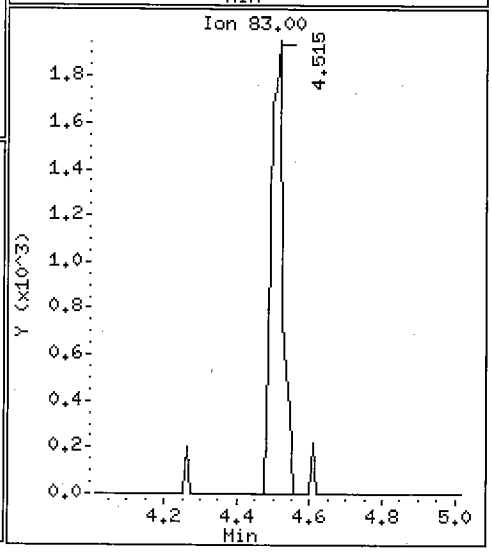


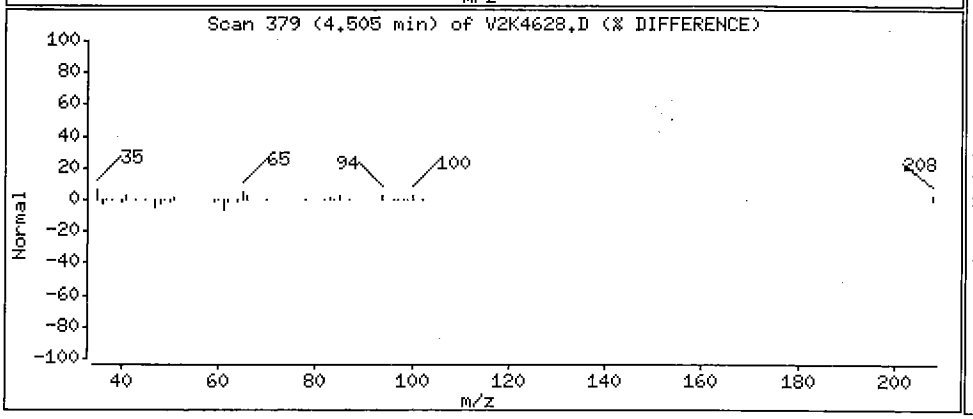












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D

Date : 05-JUN-2008 14:12

Client ID: 130173-MW-6-GW

Instrument: V2.i

Sample Info: 25ML,G0846-04A,,36900

Purge Volume: 25.0

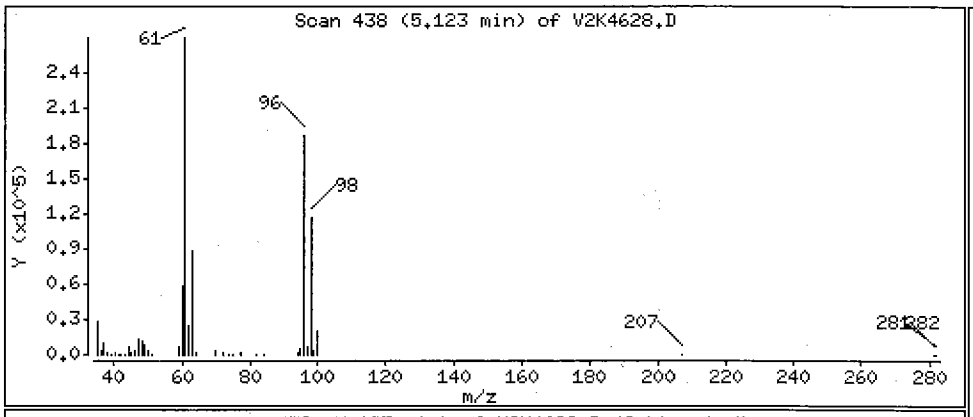
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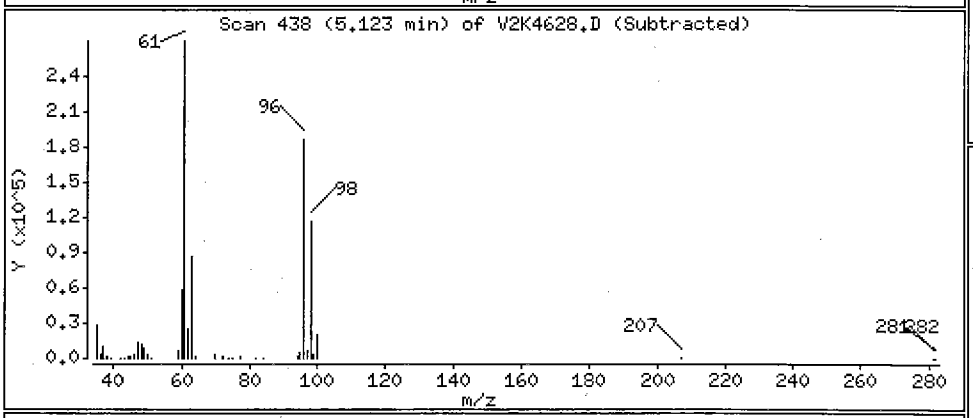
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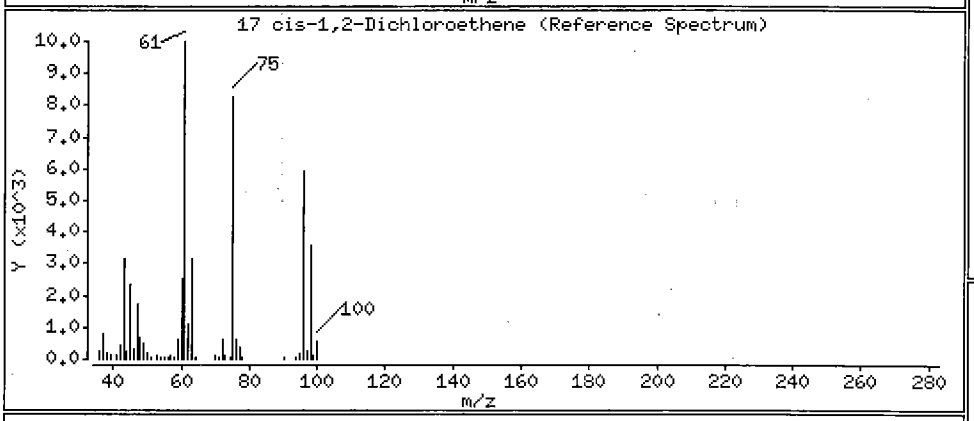
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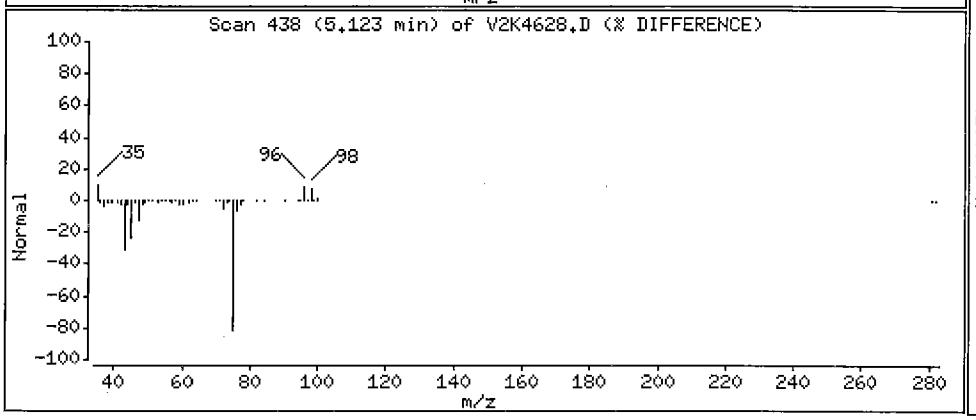
17 cis-1,2-Dichloroethene

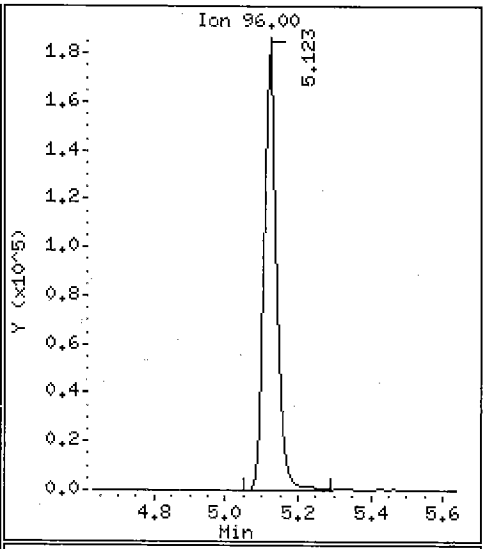
Concentration: 10 ug/L

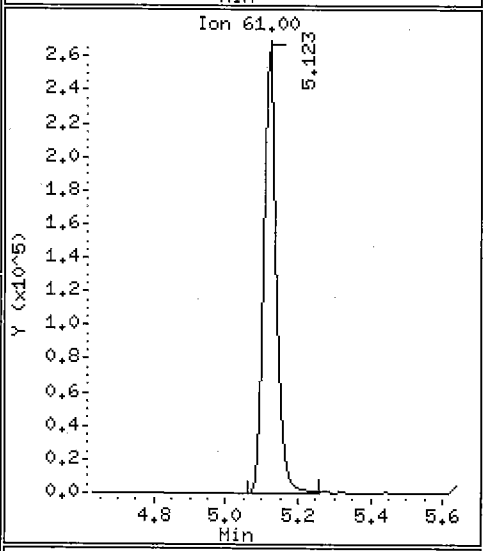


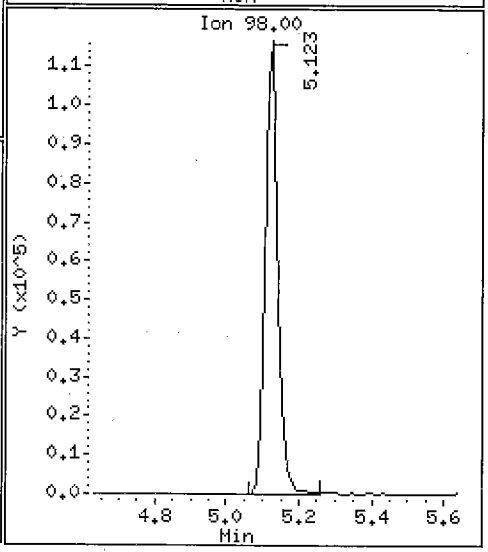












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D

Date : 05-JUN-2008 14:12

Client ID: 130173-MW-6-GW

Instrument: V2.i

Sample Info: 25ML,C0846-04A,,36900

Purge Volume: 25.0

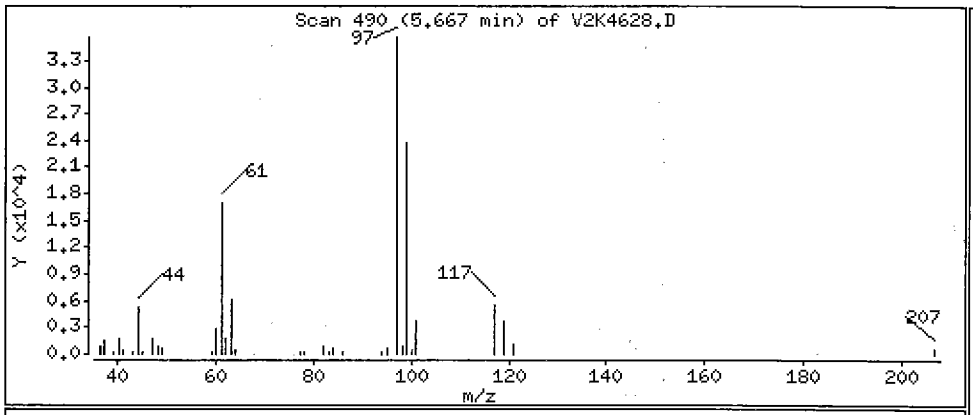
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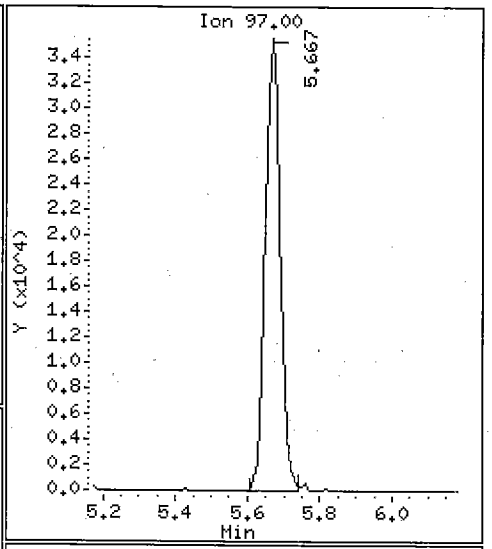
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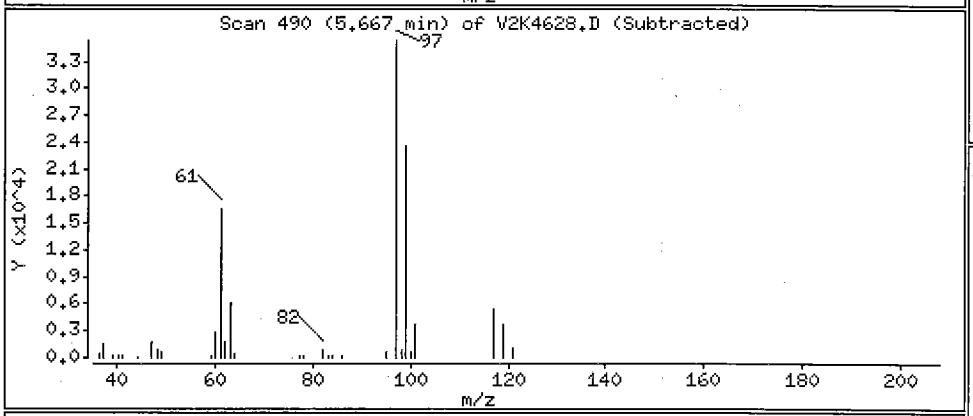
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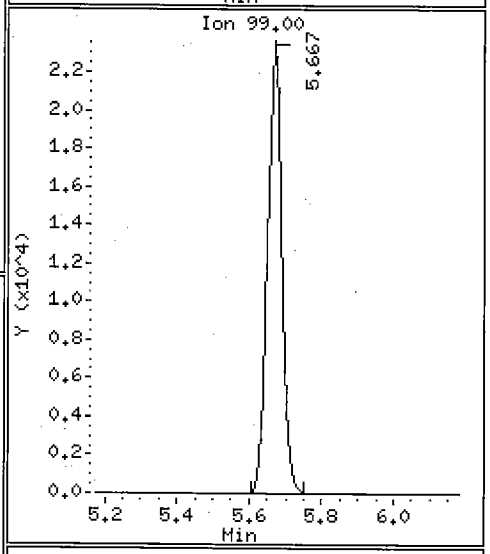
20 1,1,1-Trichloroethane

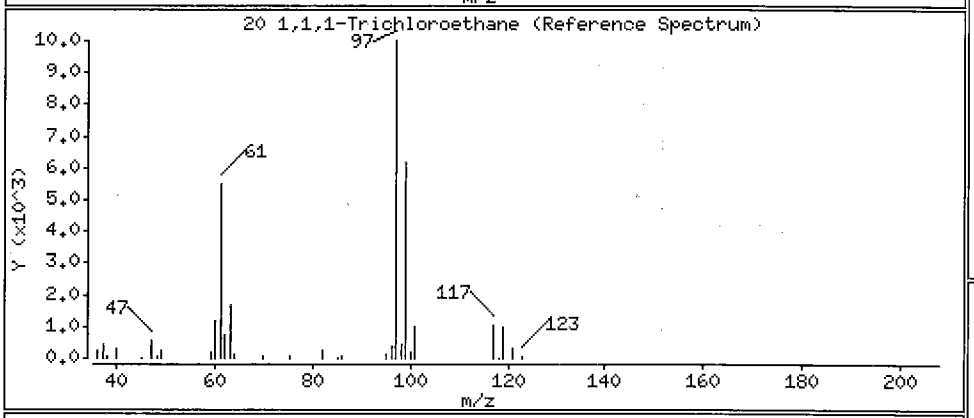
Concentration: 1.4 ug/L

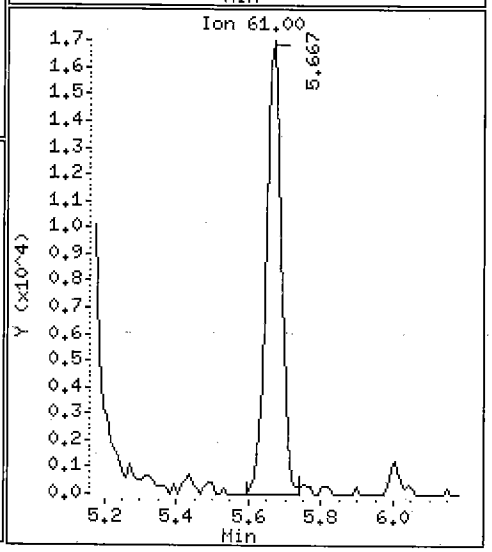


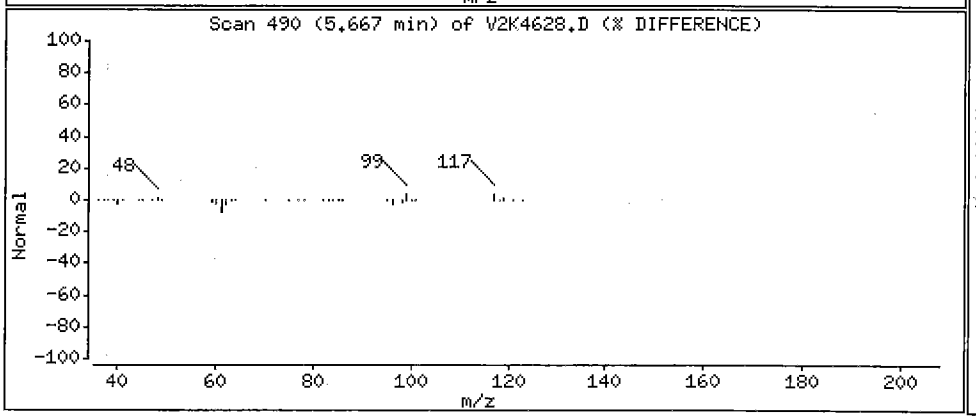












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D

Date : 05-JUN-2008 14:12

Client ID: 130173-MW-6-GW

Instrument: V2.i

Sample Info: 25ML,G0846-04A,,36900

Purge Volume: 25.0

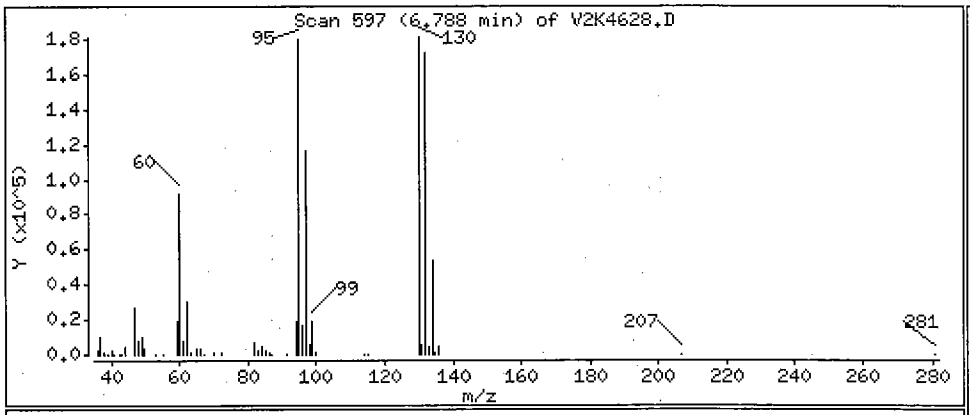
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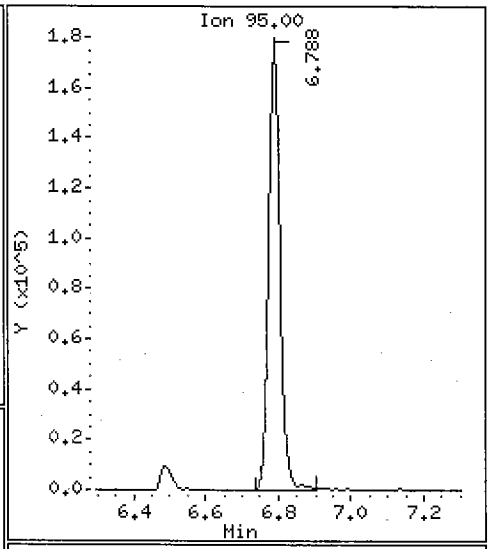
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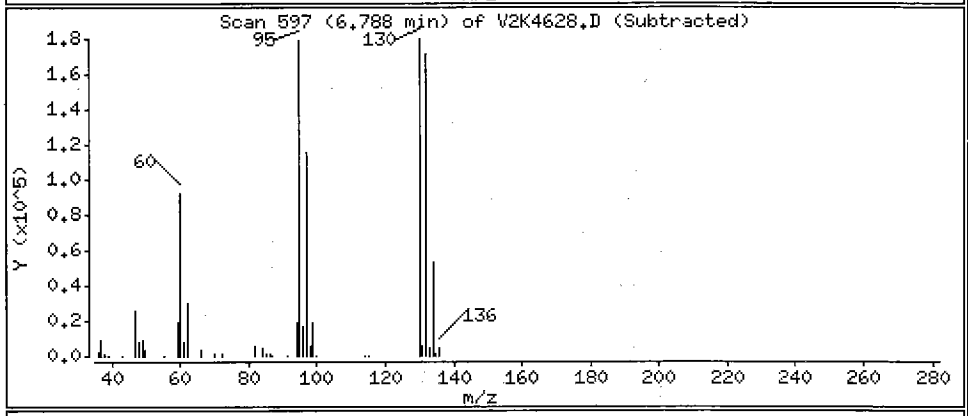
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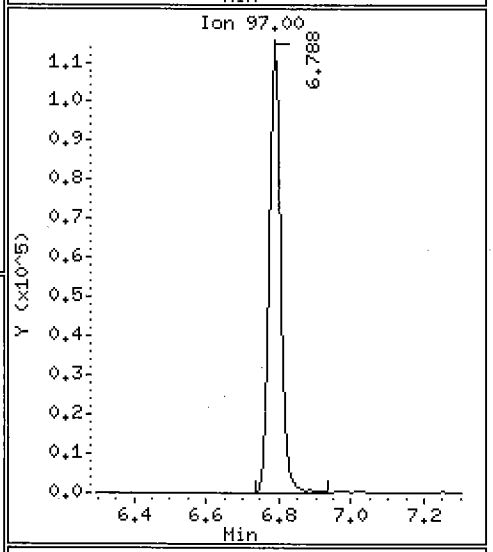
27 Trichloroethene

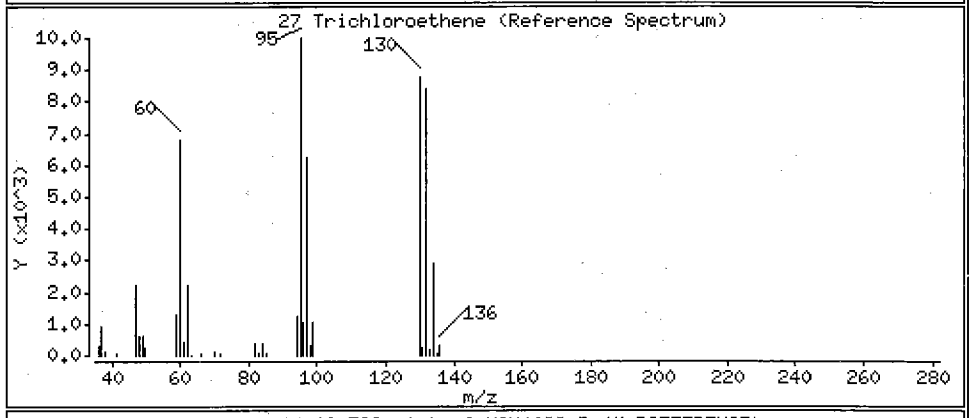
Concentration: 7.8 ug/L

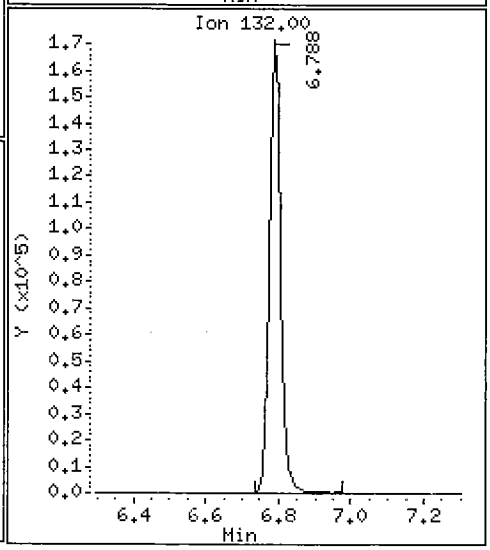


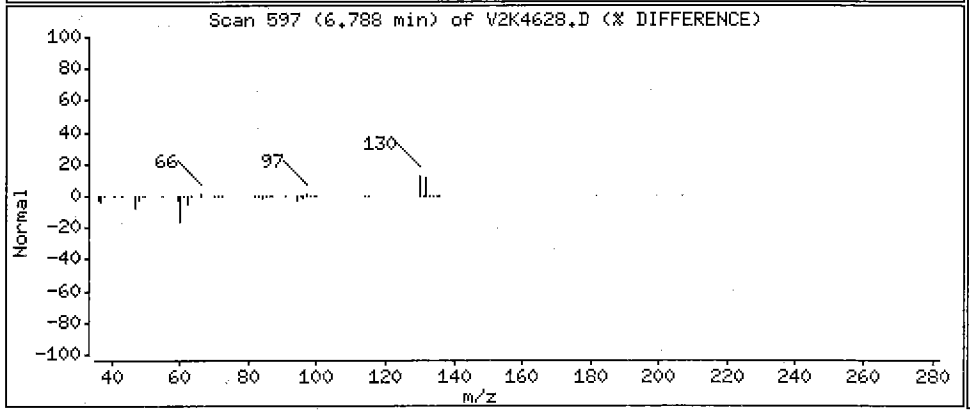












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4628.D

Date : 05-JUN-2008 14:12

Client ID: 130173-MW-6-GW

Instrument: V2.i

Sample Info: 25ML,G0846-04A,,36900

Purge Volume: 25.0

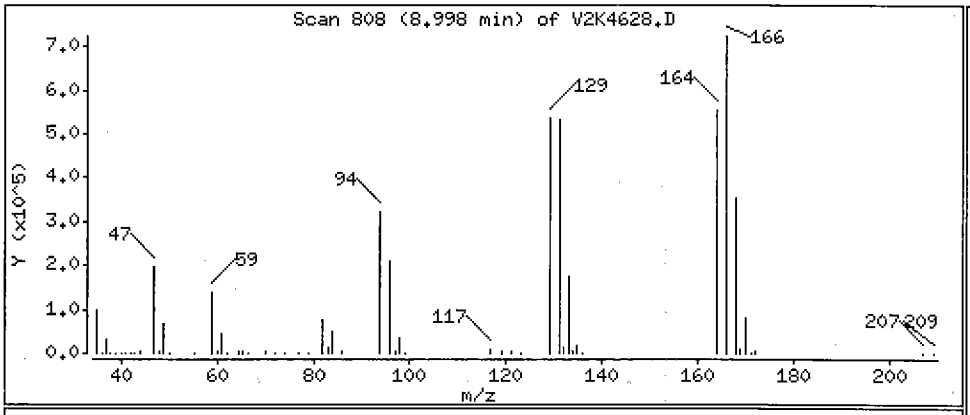
Operator: HZ SRC: LIMS

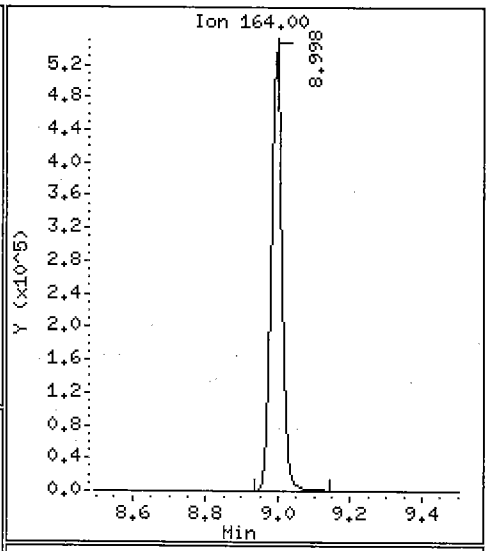
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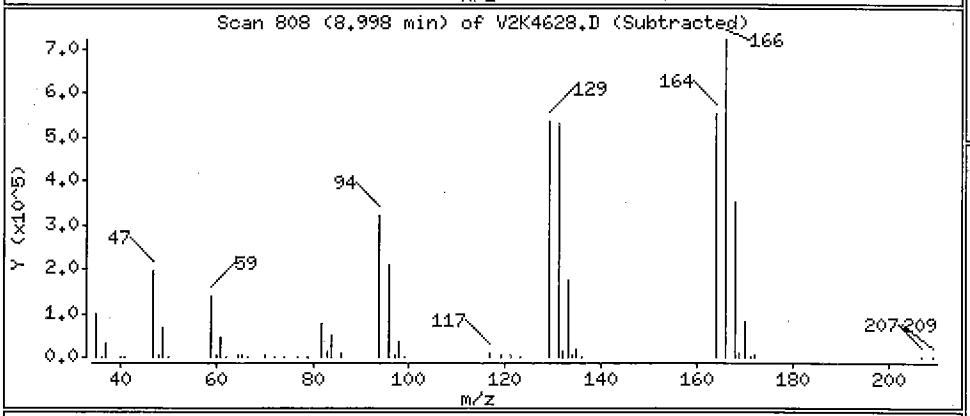
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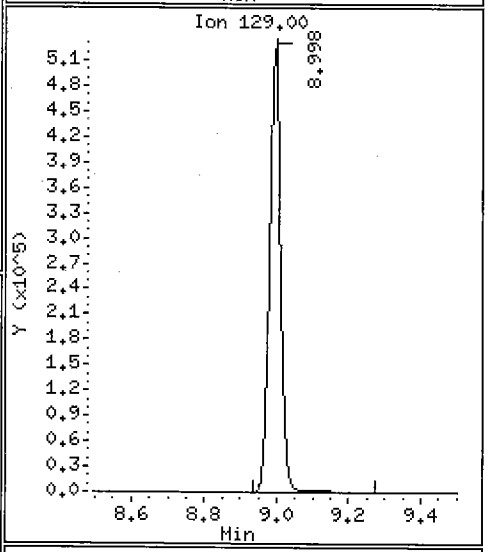
37 Tetrachloroethene

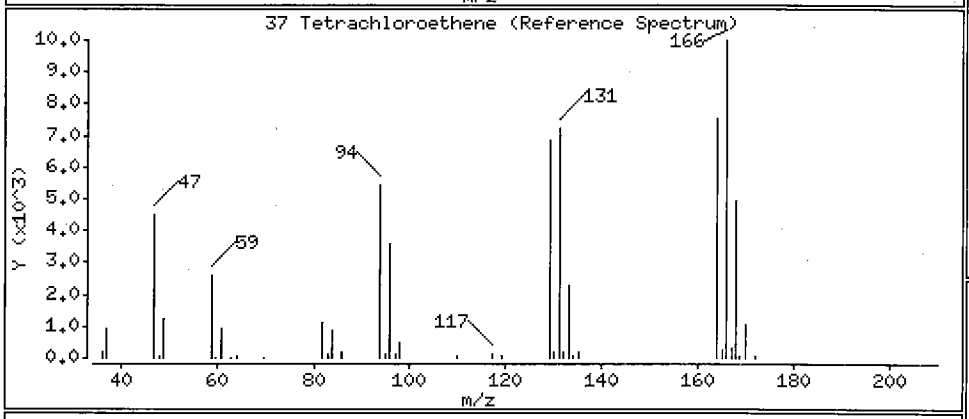
Concentration: 27 ug/L

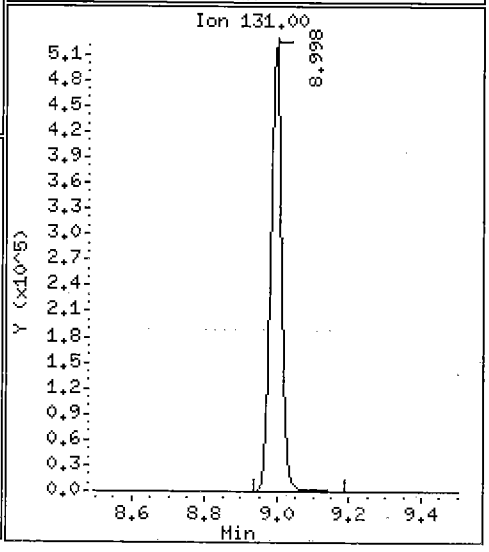


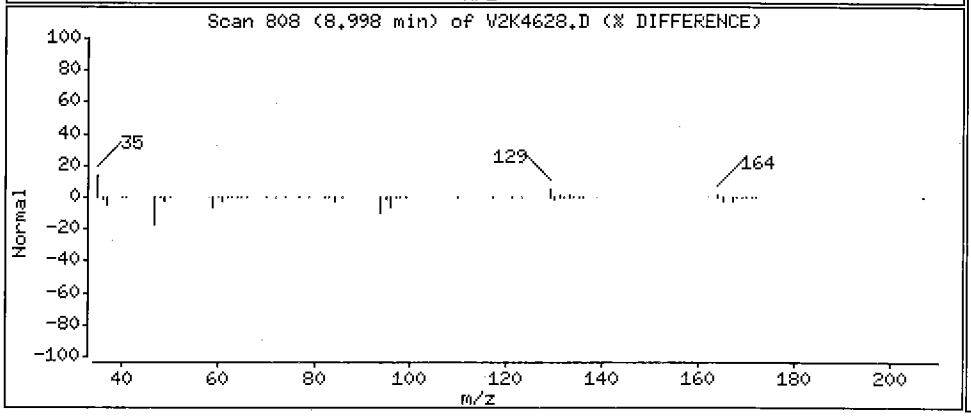












1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4644.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	0.64	DJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	11	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.1	D
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	7.1	D
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	21	D
591-78-6	2-Hexanone	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4644.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (Total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-6-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4644.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

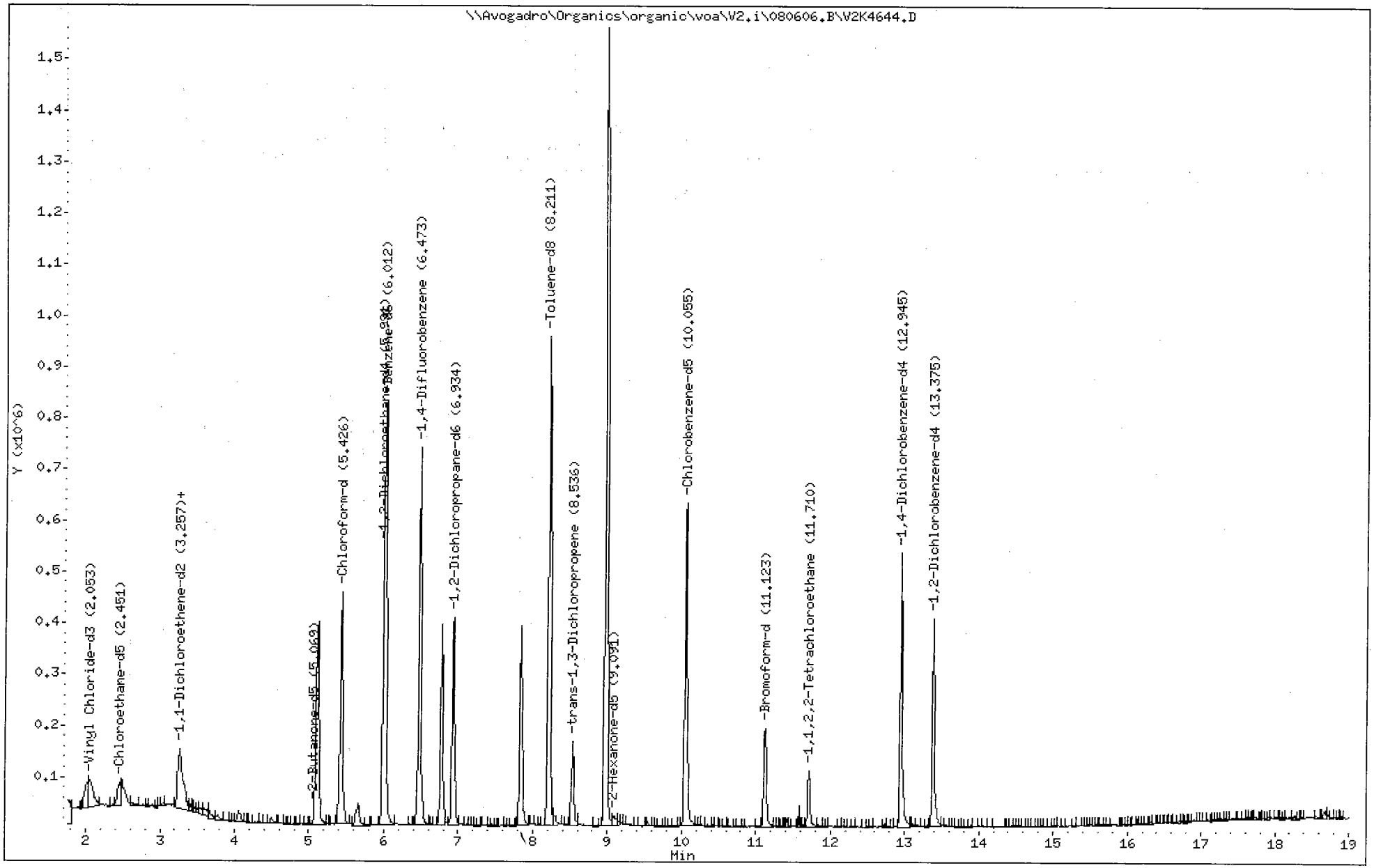
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D
Date : 06-JUN-2008 10:26
Client ID: 130173-MW-6-GWDL
Sample Info: 25ML,G0846-04ADL,,36921,2
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i
Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D
Lab Smp Id: G0846-04ADL Client Smp ID: 130173-MW-6-GWDL
Inj Date : 06-JUN-2008 10:26
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-04ADL,,36921,2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 5
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

SC 6/11/08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.042	2.041	(0.316)	265550	5.37510	5.4
$	80 Chloroethane-d5	69	2.461	2.491	(0.380)	173058	5.11280	5.1
$	81 1,1-Dichloroethene-d2	100	3.257	3.266	(0.503)	54444	4.12342	4.1(Q)
	7 1,1-Dichloroethene	96	3.267	3.277	(0.505)	8462	0.31795	0.64(aQ)
$	82 2-Butanone-d5	46	5.069	5.078	(0.783)	33191	8.44588	8.4
	17 cis-1,2-Dichloroethene	96	5.111	5.109	(0.790)	206665	5.68793	11
$	83 Chloroform-d	84	5.425	5.434	(0.838)	461764	4.91195	4.9(Q)
	20 1,1,1-Trichloroethane	97	5.655	5.665	(0.563)	38167	0.56194	1.1
$	23 1,2-Dichloroethane-d4	65	5.991	6.000	(0.926)	164618	5.02626	5.0
$	84 Benzene-d6	84	6.012	6.031	(0.598)	870296	4.64825	4.6
*	26 1,4-Difluorobenzene	114	6.472	6.482	(1.000)	686714	5.00000	
	27 Trichloroethene	95	6.776	6.785	(0.674)	158652	3.56677	7.1
$	85 1,2-Dichloropropane-d6	67	6.933	6.932	(0.690)	224886	5.42658	5.4
$	33 Toluene-d8	98	8.211	8.220	(0.817)	770461	5.17597	5.2
$	86 trans-1,3-Dichloropropene-d4	79	8.536	8.545	(0.849)	128889	4.96213	5.0
	37 Tetrachloroethene	164	8.976	8.985	(0.893)	416644	10.6933	21
$	87 2-Hexanone-d5	63	9.091	9.079	(0.904)	9473	5.44351	5.4(Q)
*	42 Chlorobenzene-d5	117	10.054	10.063	(1.000)	473457	5.00000	
$	88 Bromoform-d	174	11.123	11.132	(0.859)	114701	4.74992	4.7
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.709	11.729	(1.165)	68094	4.97458	5.0
*	78 1,4-Dichlorobenzene-d4	152	12.945	12.954	(1.000)	177862	5.00000	
$	90 1,2-Dichlorobenzene-d4	152	13.385	13.394	(1.034)	136109	5.03940	5.0

MC 6/9/08

0067 HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D
Report Date: 09-Jun-2008 11:58

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D
Lab Smp Id: G0846-04ADL Client Smp ID: 130173-MW-6-GWDL
Inj Date : 06-JUN-2008 10:26
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-04ADL,,36921,2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 5
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D

Date : 06-JUN-2008 10:26

Client ID: 130173-MW-6-GWDL

Instrument: V2.i

Sample Info: 25ML,G0846-04ADL,,36921,2

Purge Volume: 25.0

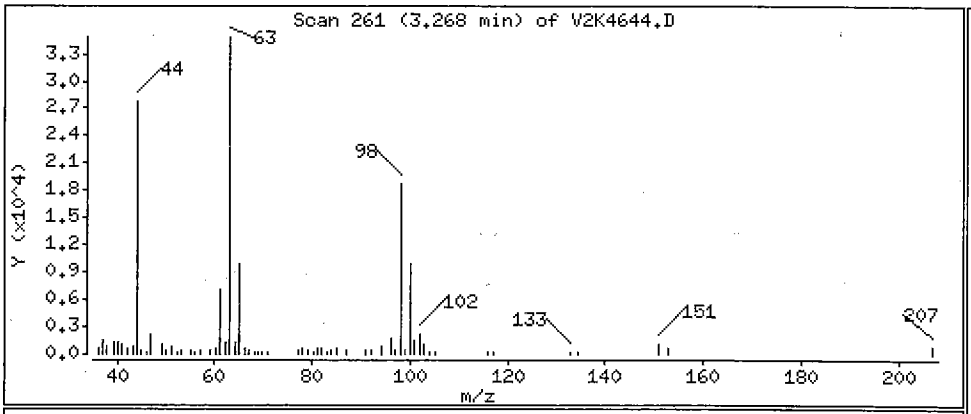
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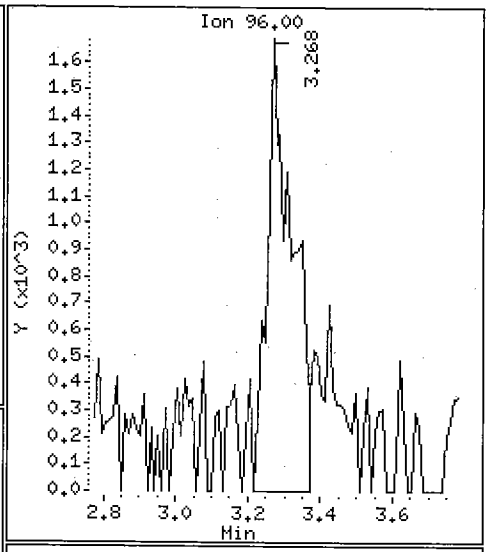
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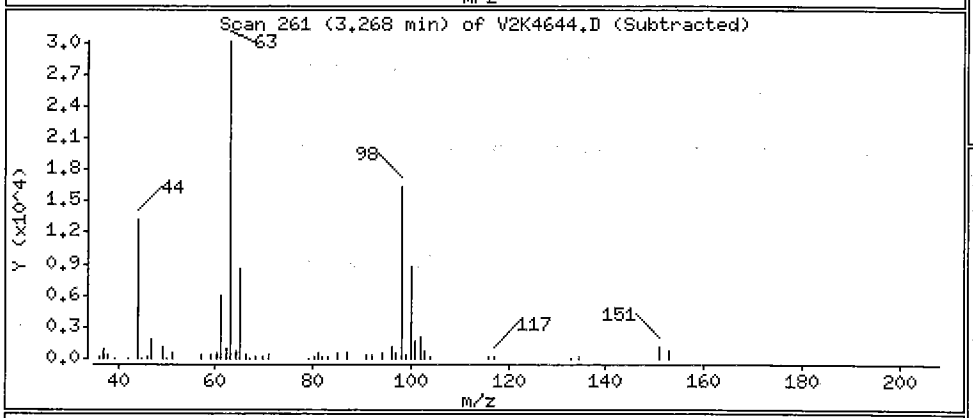
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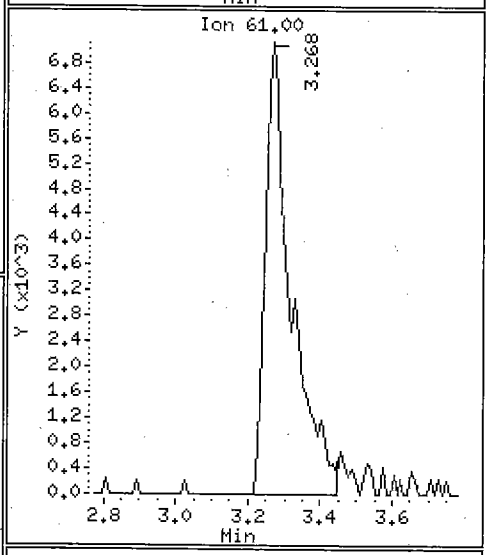
7 1,1-Dichloroethene

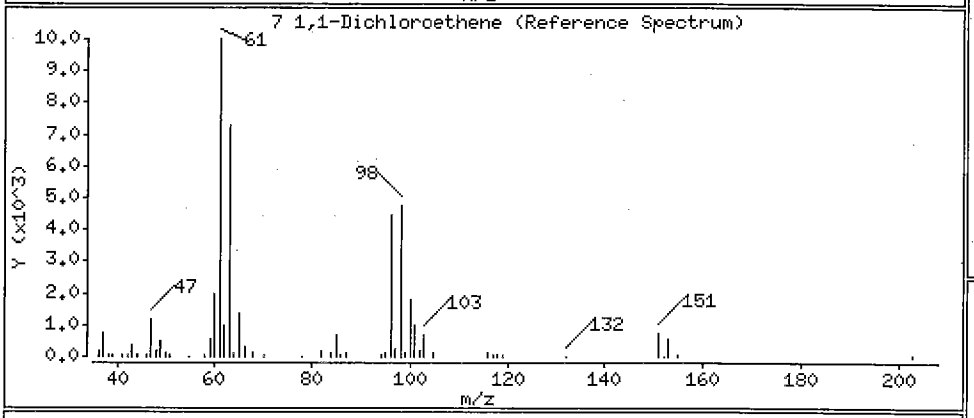
Concentration: 0.64 ug/L

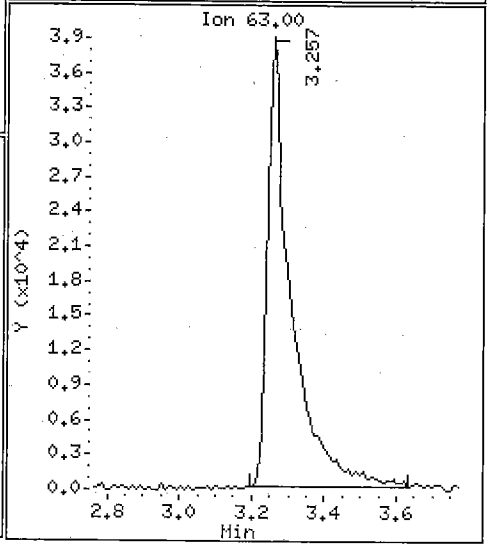


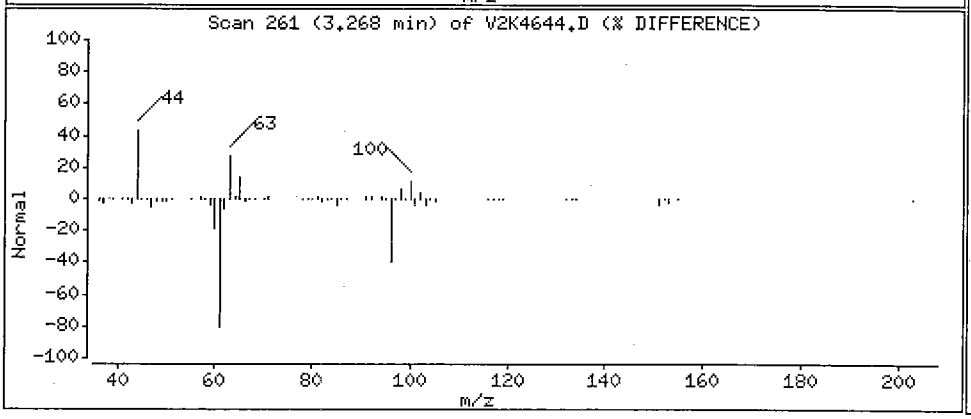












Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D

Date : 06-JUN-2008 10:26

Client ID: 130173-MW-6-GWDL

Instrument: V2.i

Sample Info: 25ML,G0846-04ADL,,36921,2

Purge Volume: 25.0

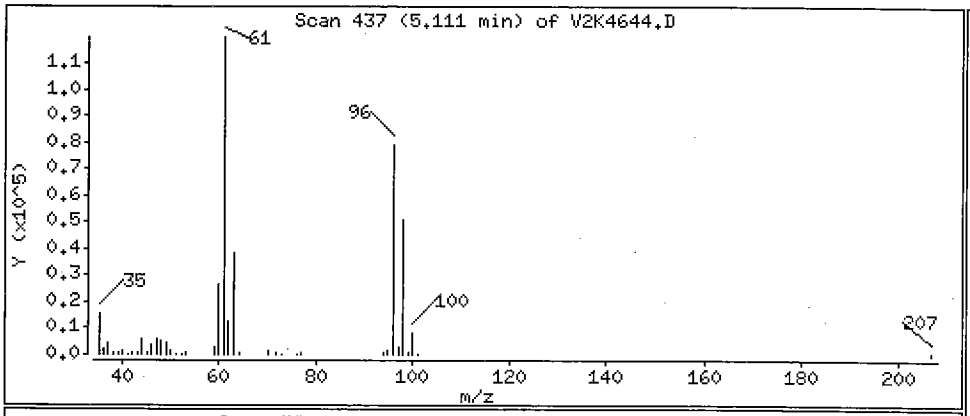
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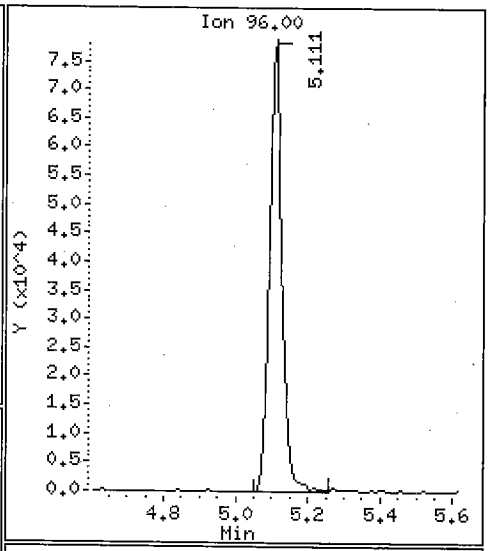
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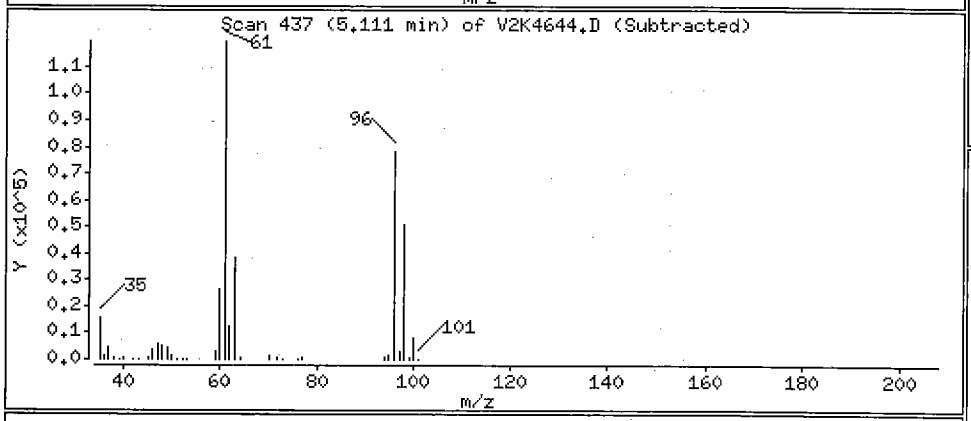
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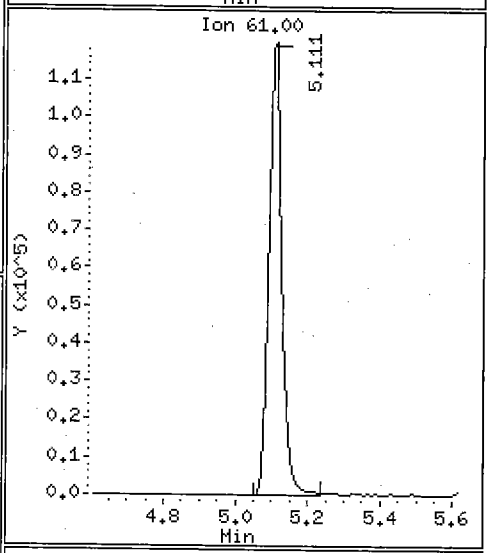
17 cis-1,2-Dichloroethene

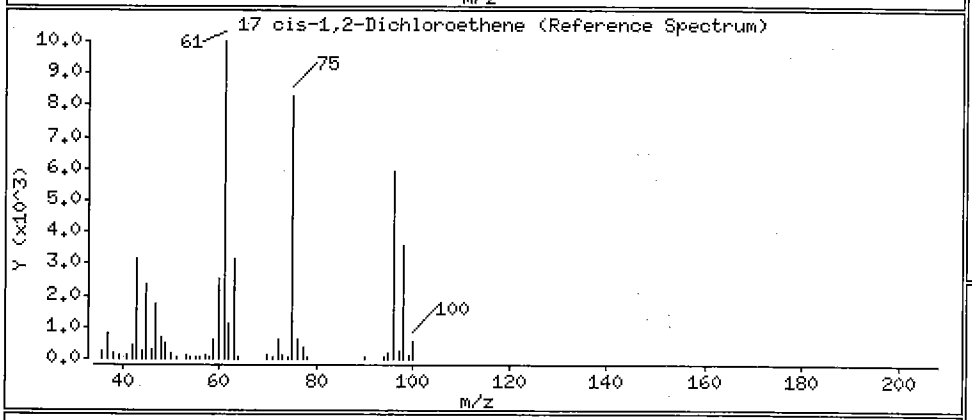
Concentration: 11 ug/L

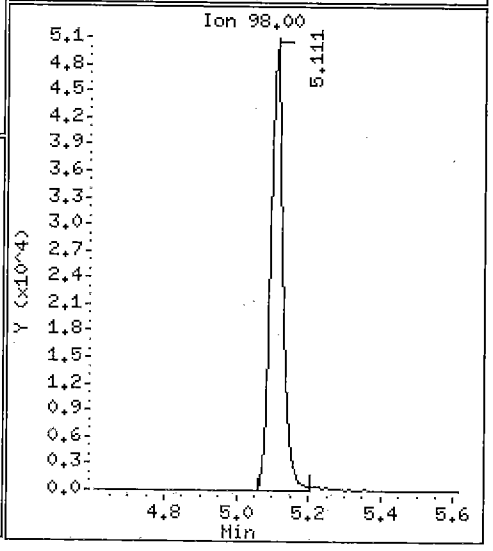


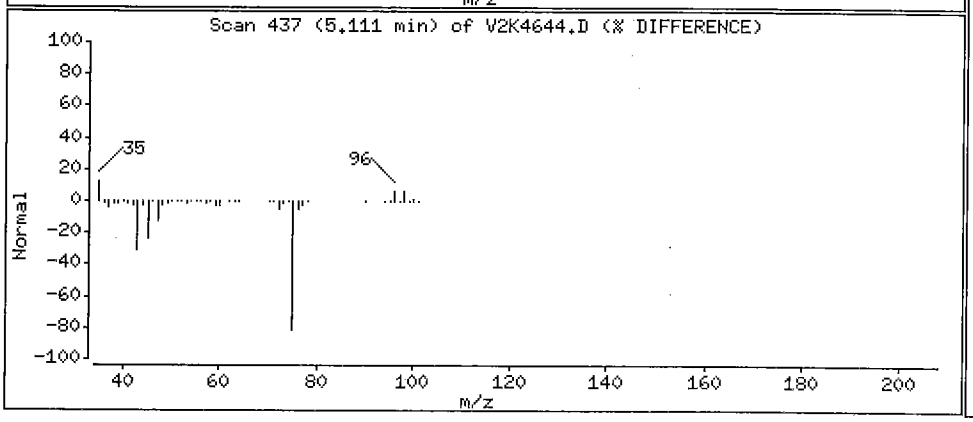












Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D

Date : 06-JUN-2008 10:26

Client ID: 130173-MW-6-GWDL

Instrument: V2.i

Sample Info: 25ML,G0846-04ADL,,36921,2

Purge Volume: 25.0

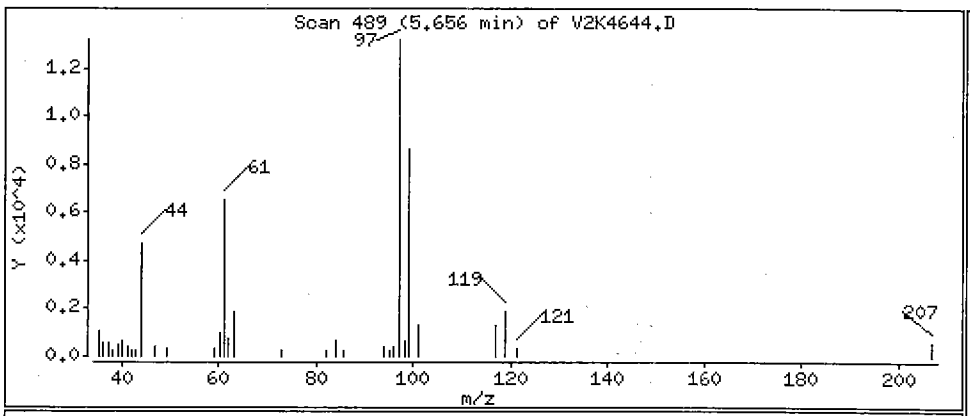
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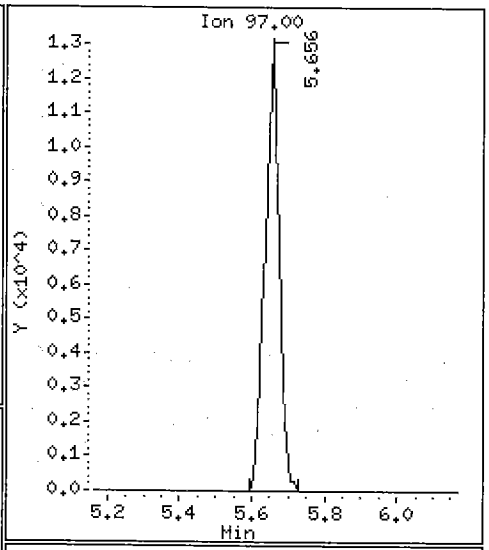
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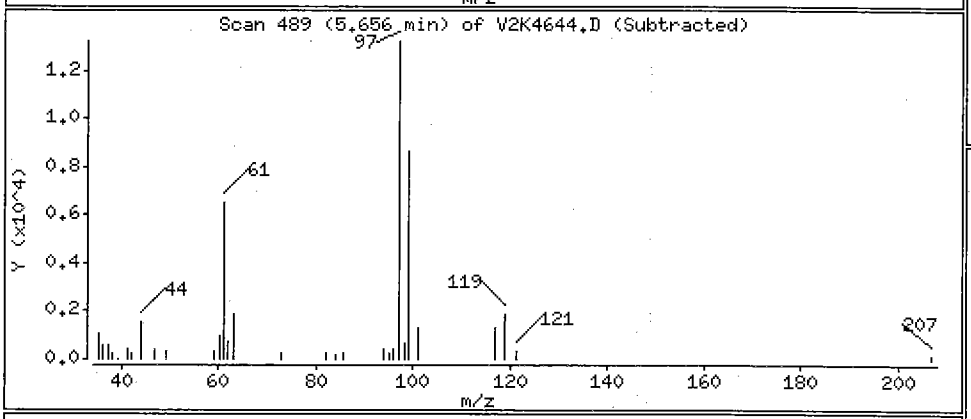
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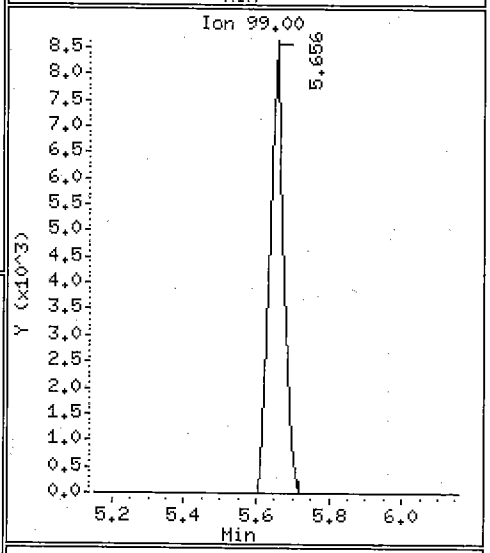
20 1,1,1-Trichloroethane

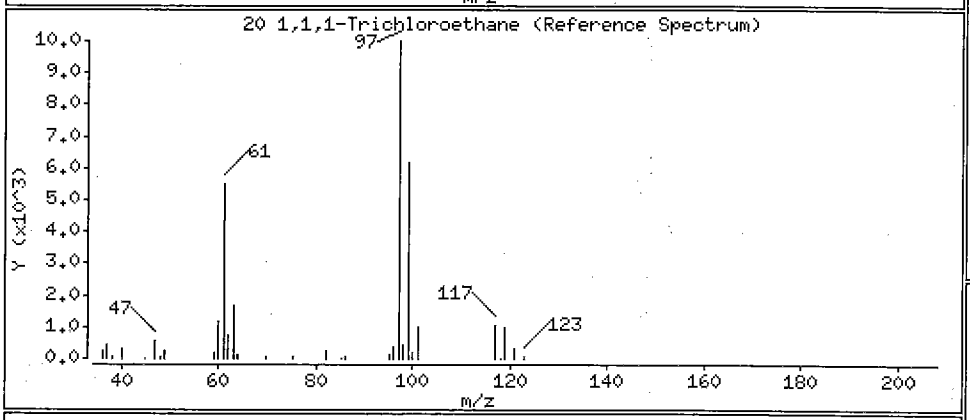
Concentration: 1.1 ug/L

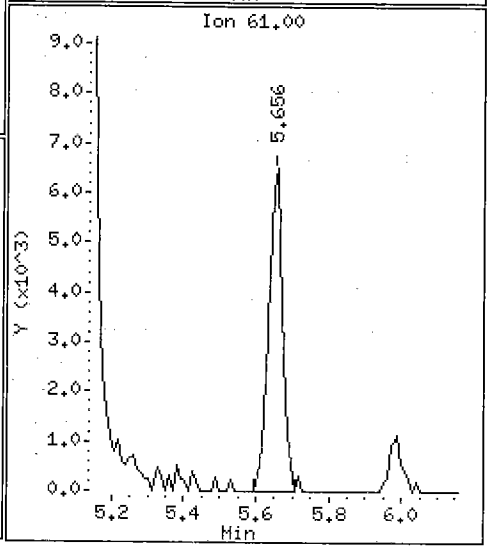


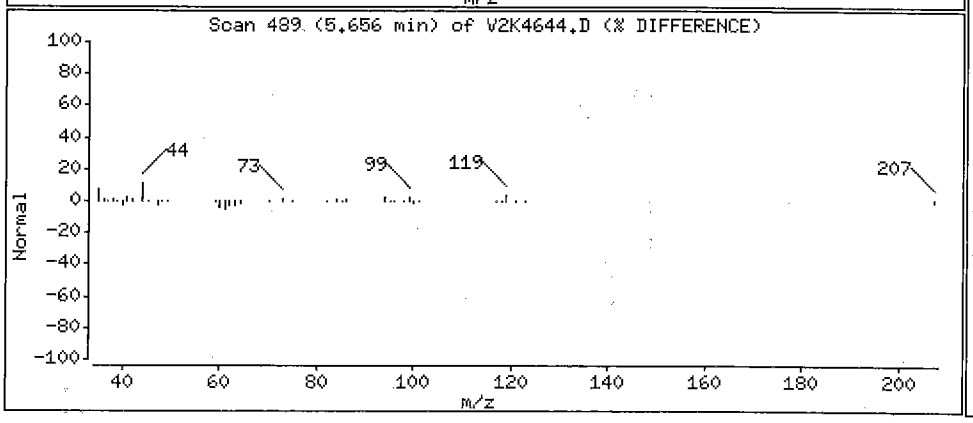












Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D

Date : 06-JUN-2008 10:26

Client ID: 130173-MW-6-GWDL

Instrument: V2.i

Sample Info: 25ML,G0846-04ADL,,36921,2

Purge Volume: 25.0

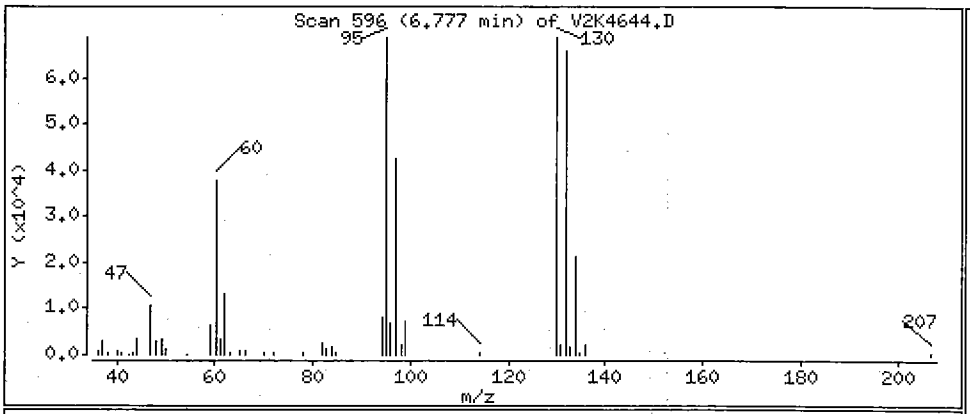
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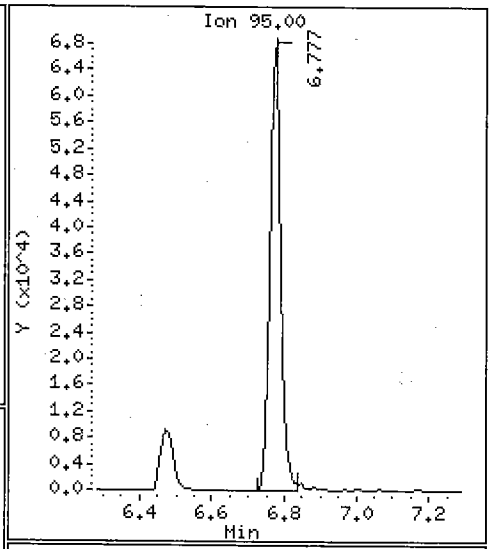
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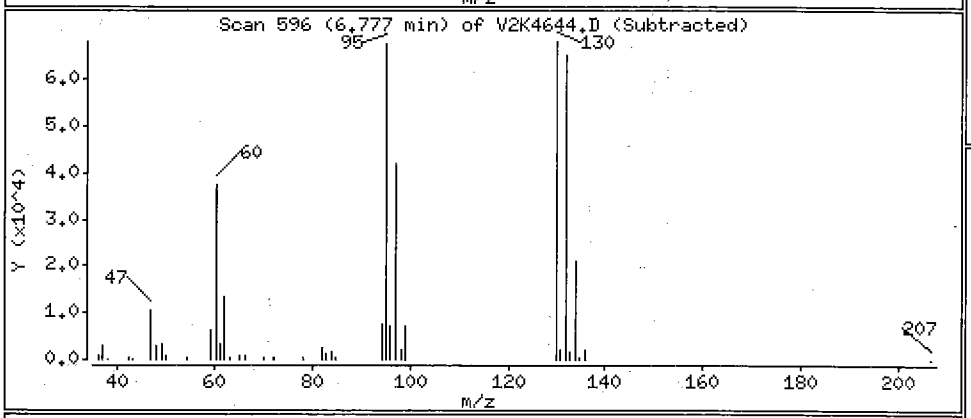
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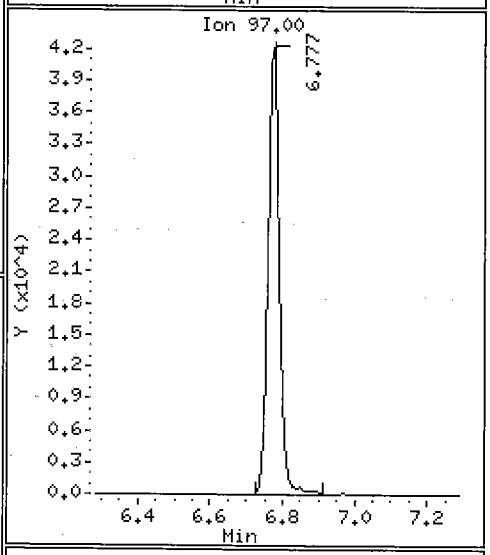
27 Trichloroethene

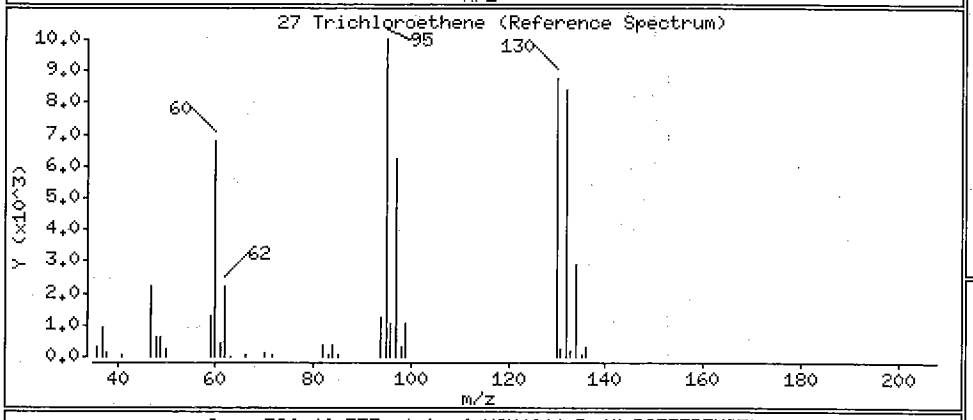
Concentration: 7.1 ug/L

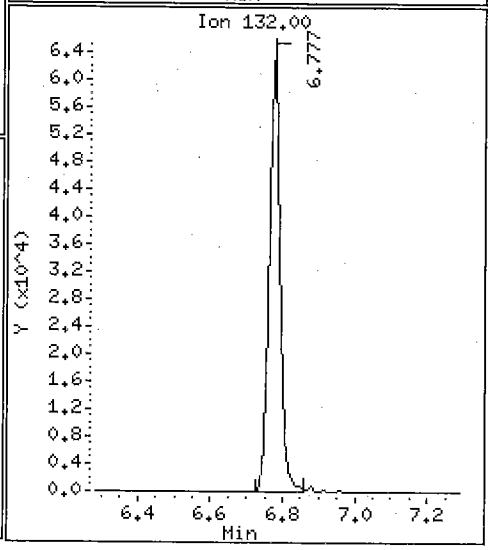


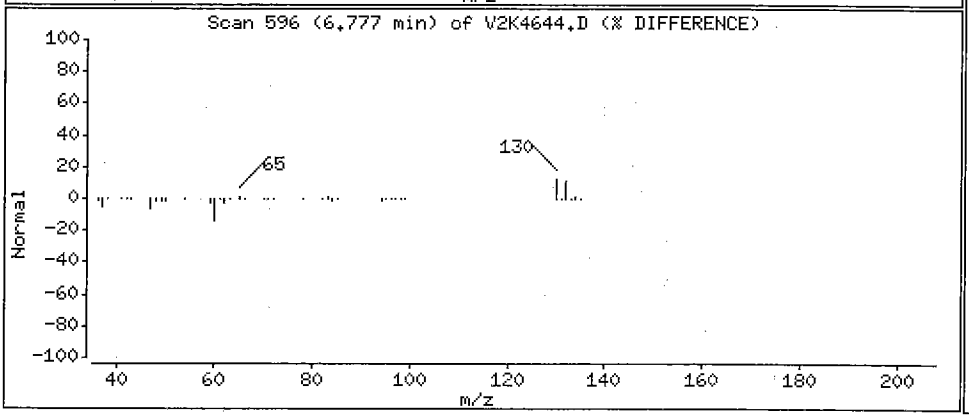












Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4644.D

Date : 06-JUN-2008 10:26

Client ID: 130173-MW-6-GWDL

Instrument: V2.i

Sample Info: 25ML,G0846-04ADL,,36921,2

Purge Volume: 25.0

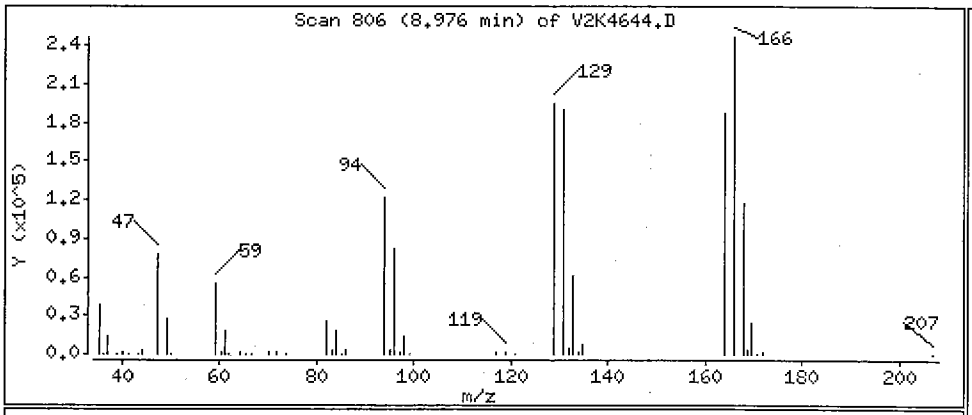
Operator: HZ SRC: LIMS

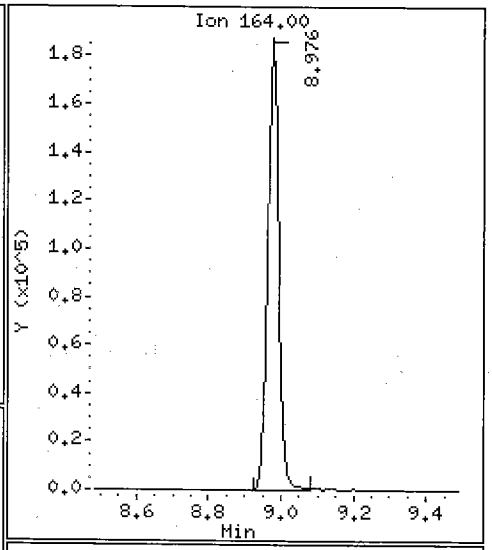
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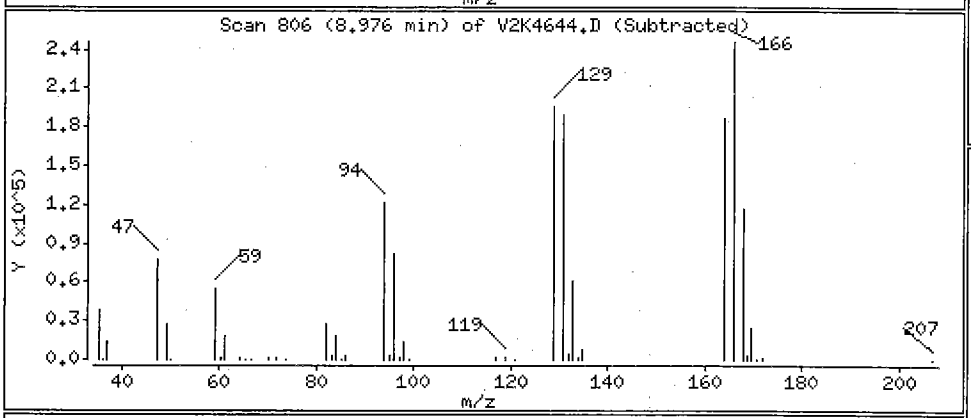
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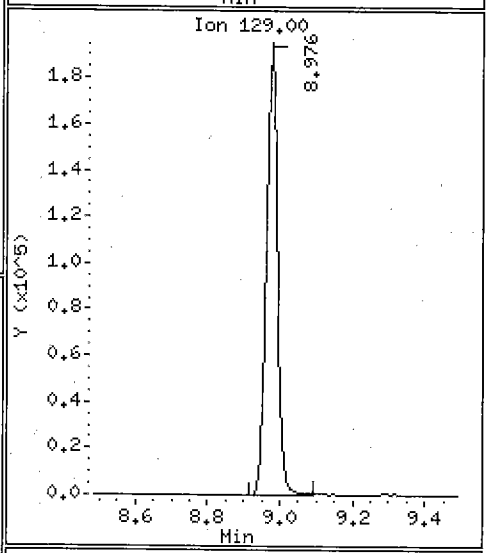
37 Tetrachloroethene

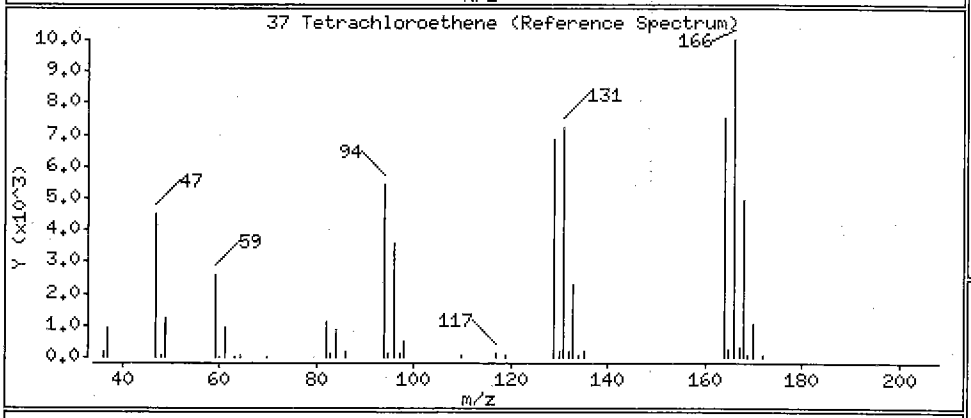
Concentration: 21 ug/L

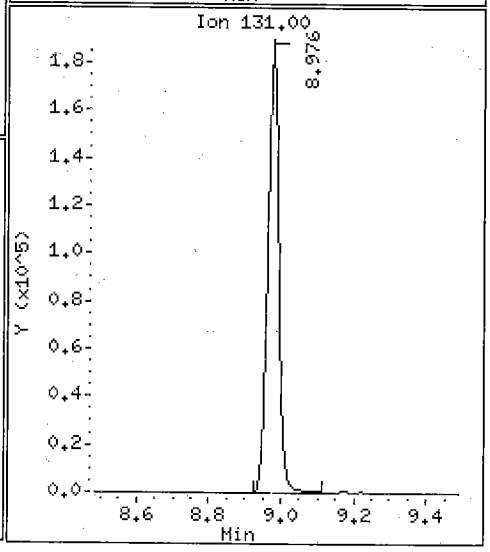


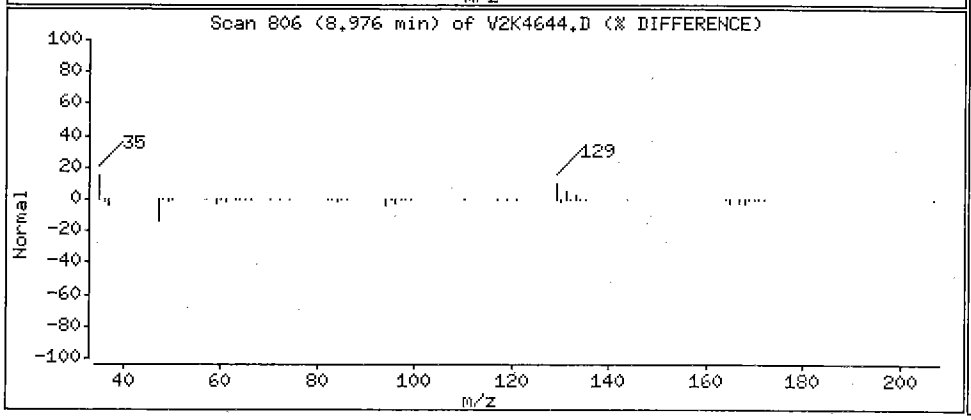












1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4629.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.66	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.63	
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.41	J
75-34-3	1,1-Dichloroethane	0.34	J
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	1.4	
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	7.6	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	26	E
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4629.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4629.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

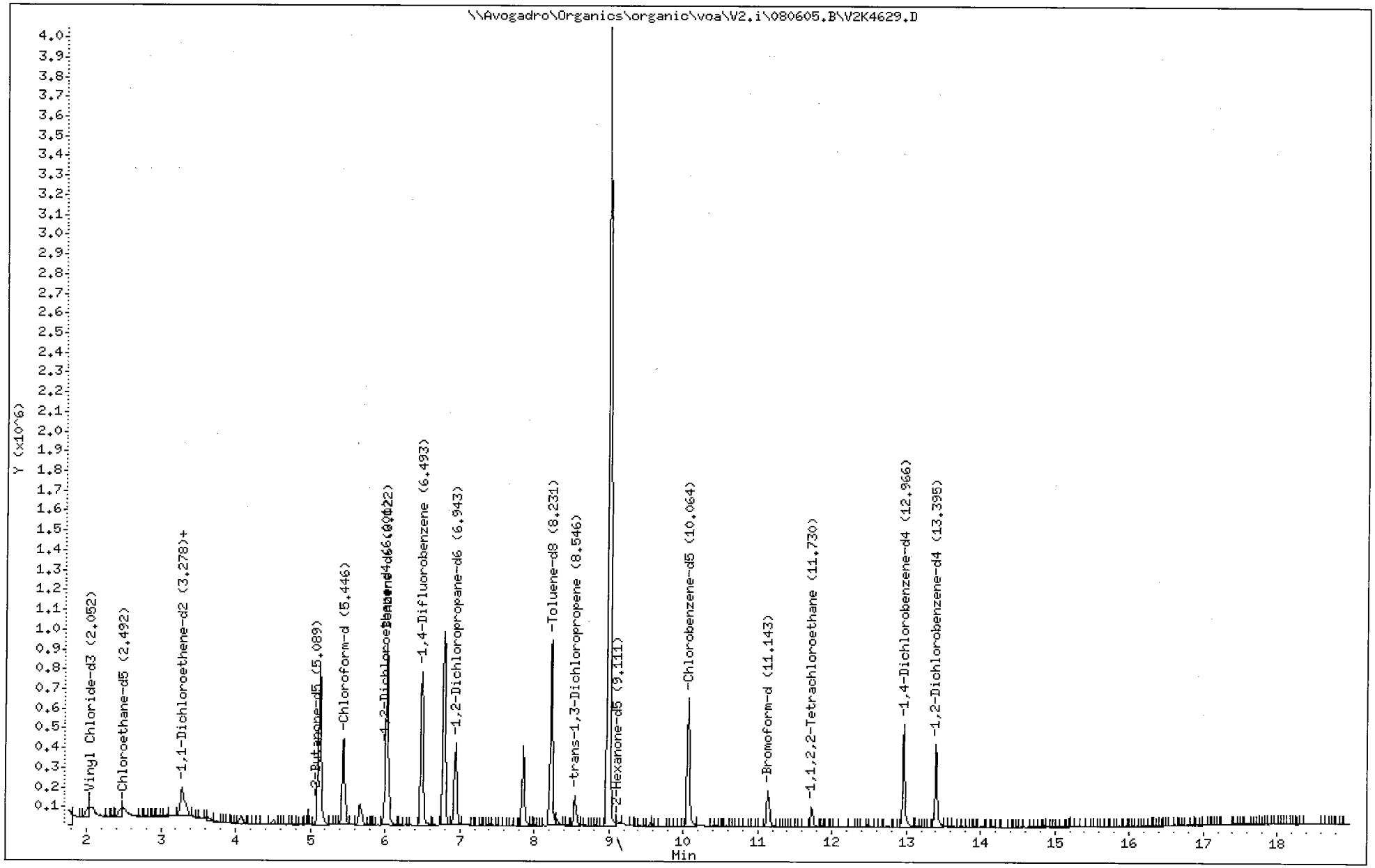
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D
Date : 05-JUN-2008 14:44
Client ID: 130173-MW66-GW
Sample Info: 25ML,G0846-05A,,36900
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i
Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D
Lab Smp Id: G0846-05A Client Smp ID: 130173-MW66-GW
Inj Date : 05-JUN-2008 14:44
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-05A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.052	2.062	(0.316)	254620	4.94802	4.9
$	80 Chloroethane-d5	69	2.491	2.470	(0.384)	177132	5.48814	5.5
$	81 1,1-Dichloroethene-d2	100	3.267	3.277	(0.503)	58253	3.95000	4.0(Q)
	7 1,1-Dichloroethene	96	3.287	3.287	(0.506)	18394	0.65697	0.66(Q)
	8 Freon113	101	3.287	3.298	(0.506)	32924	0.62582	0.63
	14 Methyl tert-Butyl Ether	73	4.073	4.083	(0.627)	41913	0.41258	0.41(a)
	15 1,1-Dichloroethane	63	4.513	4.513	(0.695)	31936	0.33765	0.34(a)
$	82 2-Butanone-d5	46	5.089	5.089	(0.784)	30284	6.29168	6.3
	17 cis-1,2-Dichloroethene	96	5.120	5.131	(0.789)	459620	10.1593	10
$	83 Chloroform-d	84	5.435	5.445	(0.837)	464421	4.98223	5.0(Q)
	20 1,1,1-Trichloroethane	97	5.665	5.675	(0.563)	100573	1.35607	1.4
$	23 1,2-Dichloroethane-d4	65	6.000	6.010	(0.924)	159529	5.10205	5.1
$	84 Benzene-d6	84	6.021	6.031	(0.598)	922147	5.21895	5.2
*	26 1,4-Difluorobenzene	114	6.492	6.503	(1.000)	729814	5.00000	
	27 Trichloroethene	95	6.786	6.796	(0.674)	396447	7.55207	7.6
$	85 1,2-Dichloropropane-d6	67	6.943	6.953	(0.690)	232788	4.97833	5.0
$	33 Toluene-d8	98	8.231	8.231	(0.818)	796832	5.08837	5.1
$	86 trans-1,3-Dichloropropene-d4	79	8.545	8.555	(0.849)	124331	4.63749	4.6
	37 Tetrachloroethene	164	8.996	8.995	(0.894)	1196753	25.8422	26(A)
$	87 2-Hexanone-d5	63	9.111	9.090	(0.905)	9993	4.21759	4.2(aQ)
*	42 Chlorobenzene-d5	117	10.064	10.074	(1.000)	503412	5.00000	
$	88 Bromoform-d	174	11.143	11.142	(0.859)	113847	4.82648	4.8

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D
Report Date: 06-Jun-2008 11:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.165)	71902	5.05257	5.1
* 78 1,4-Dichlorobenzene-d4	152	12.965	12.965	(1.000)	180102	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.394	13.405	(1.033)	142379	5.28849	5.3

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D
Lab Smp Id: G0846-05A Client Smp ID: 130173-MW66-GW
Inj Date : 05-JUN-2008 14:44
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-05A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D

Date : 05-JUN-2008 14:44

Client ID: 130173-MW66-GW

Instrument: V2.i

Sample Info: 25ML,G0846-05A,,36900

Purge Volume: 25.0

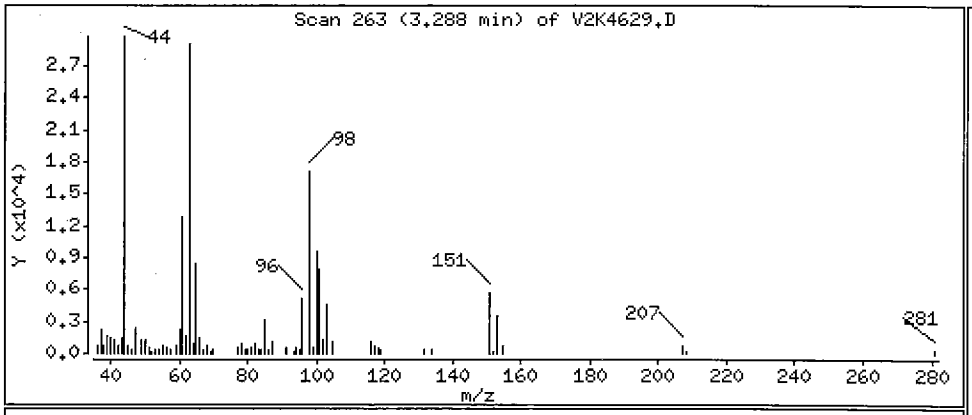
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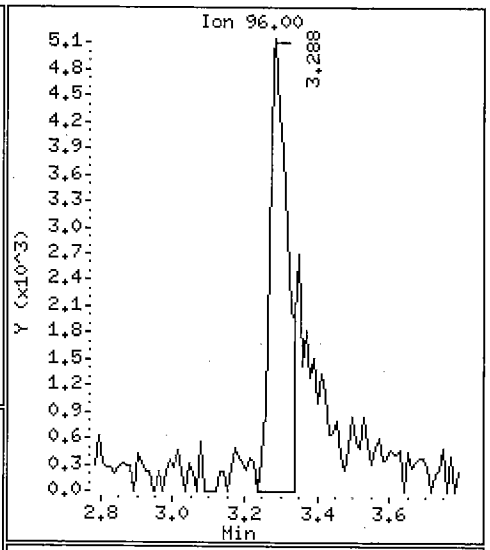
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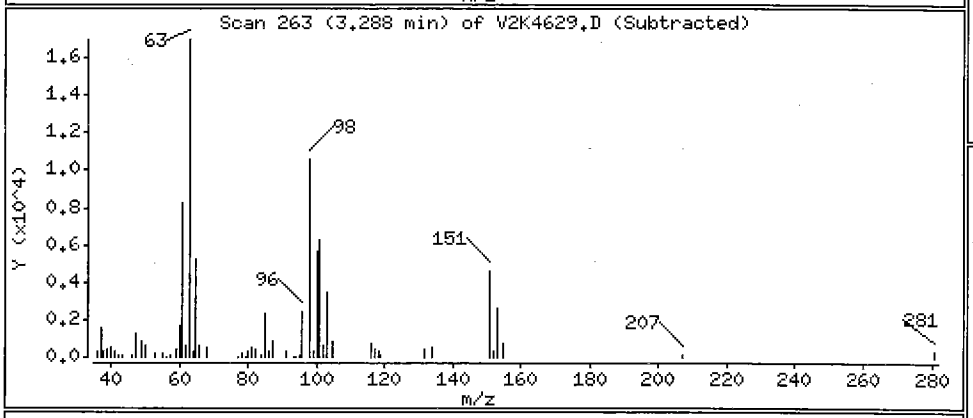
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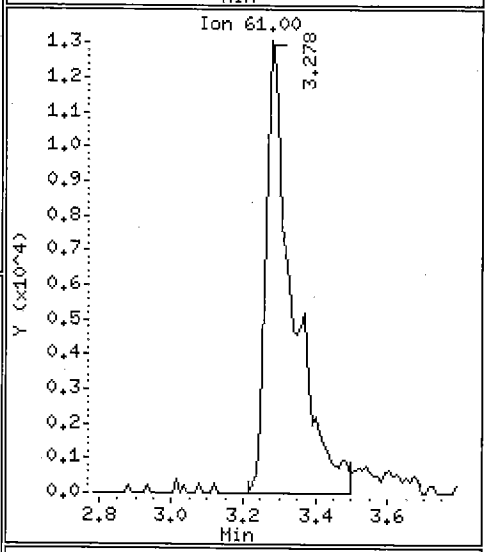
7 1,1-Dichloroethene

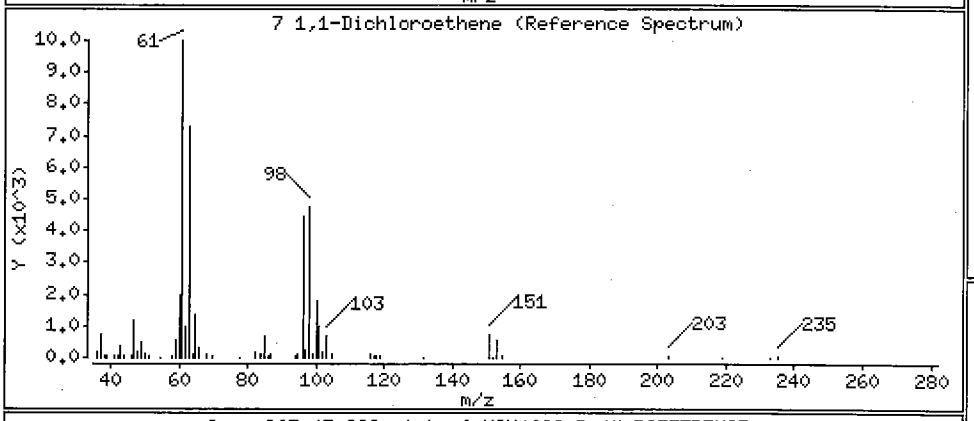
Concentration: 0.66 ug/L

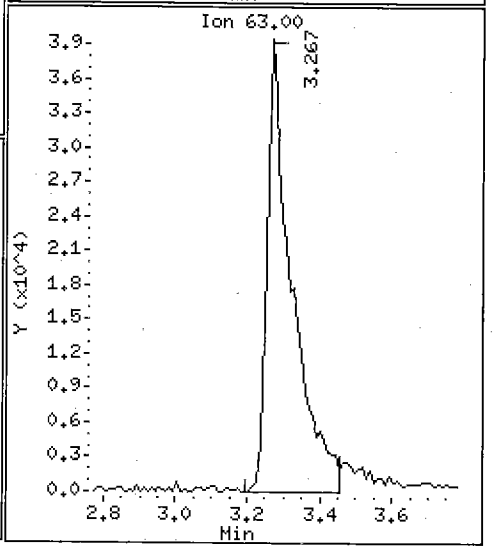


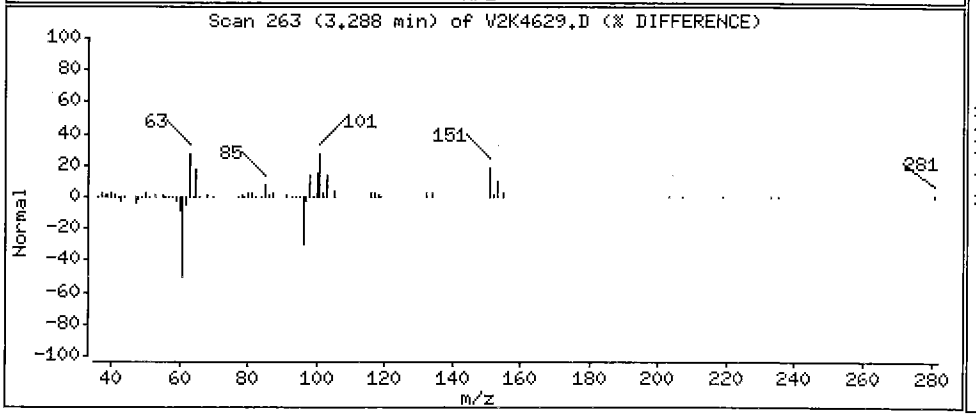












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D

Date : 05-JUN-2008 14:44

Client ID: 130173-MW66-GW

Instrument: V2.i

Sample Info: 25ML,G0846-05A,,36900

Purge Volume: 25.0

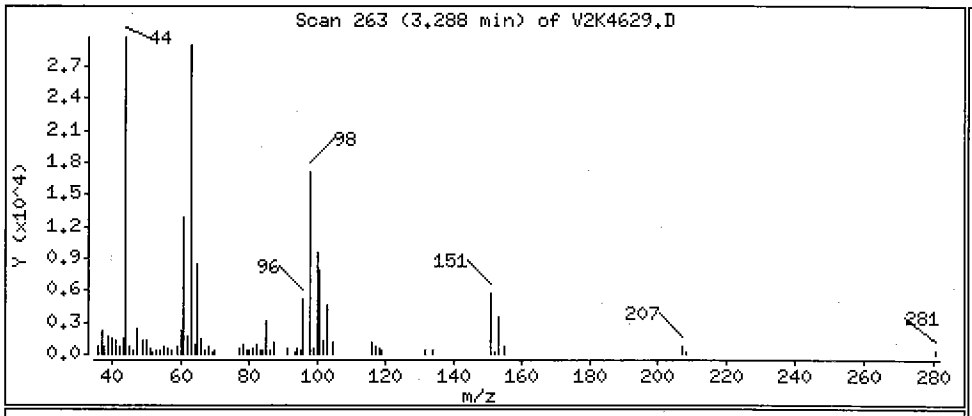
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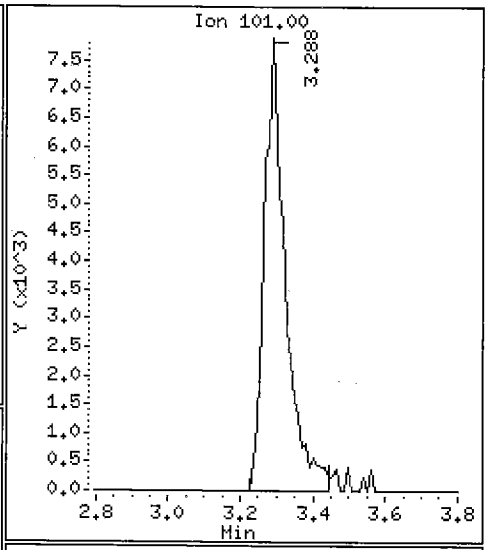
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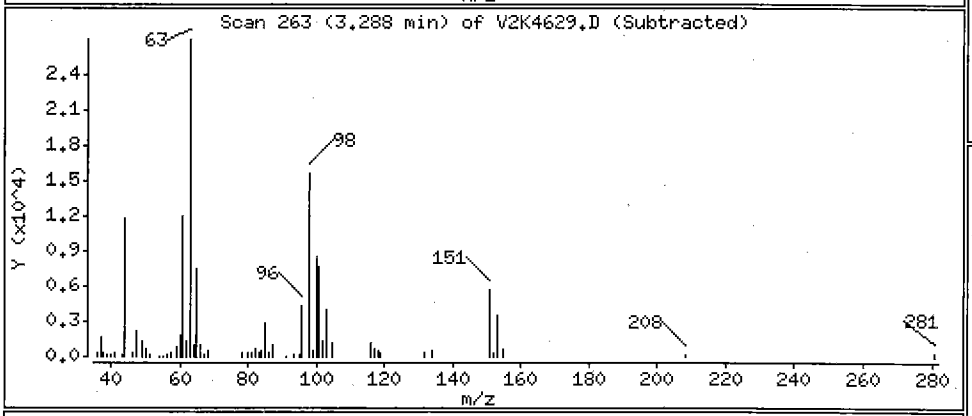
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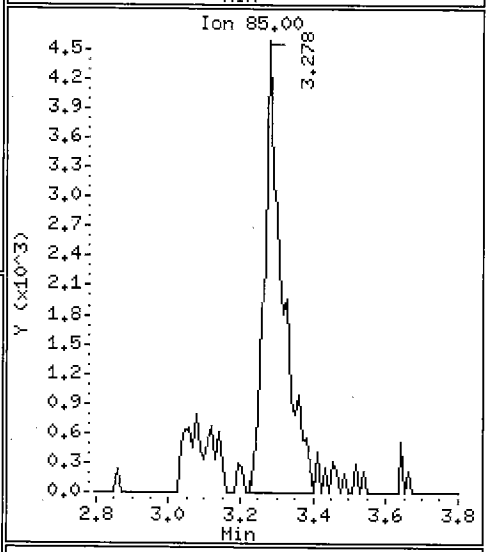
8 Freon113

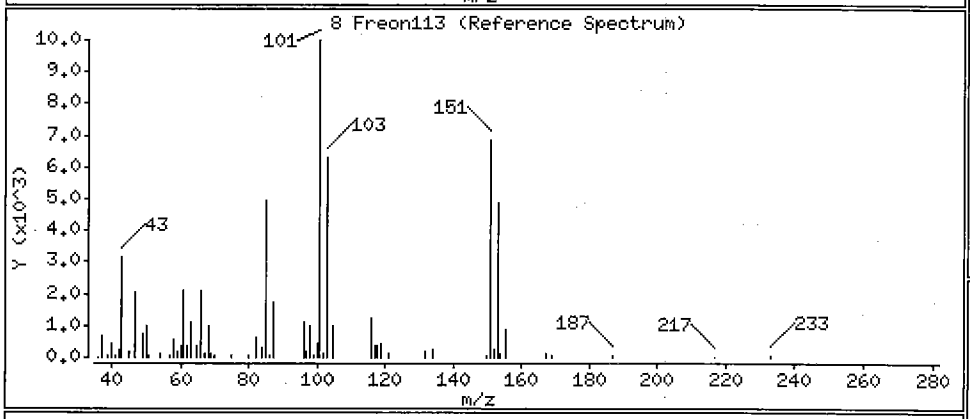
Concentration: 0.63 ug/L

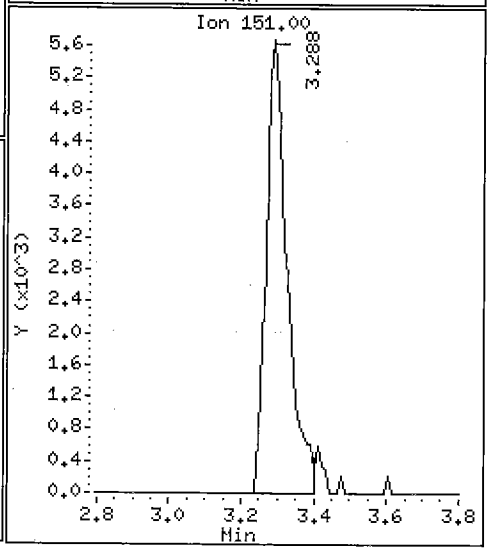


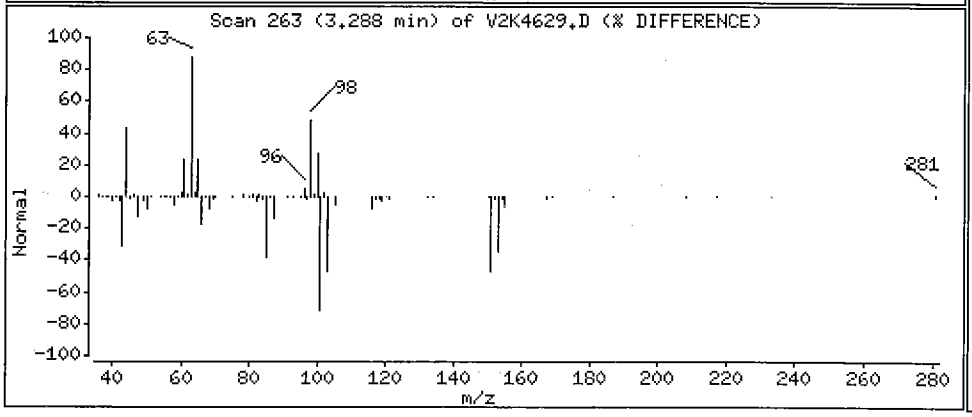












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D

Date : 05-JUN-2008 14:44

Client ID: 130173-MW66-GW

Instrument: V2.i

Sample Info: 25ML,G0846-05A,,36900

Purge Volume: 25.0

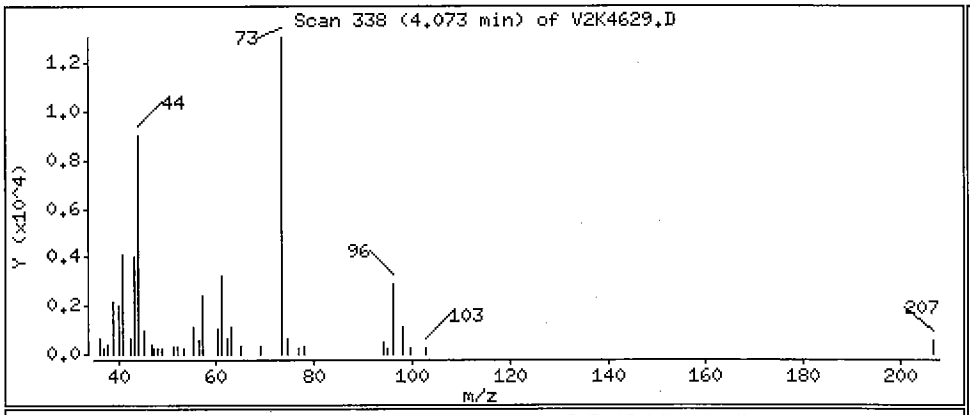
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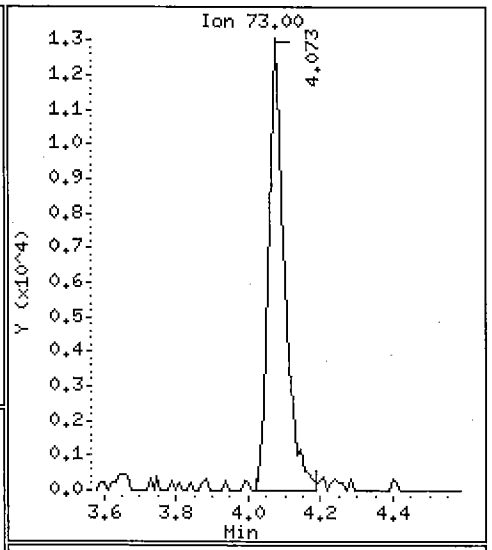
Column phase: DB-624

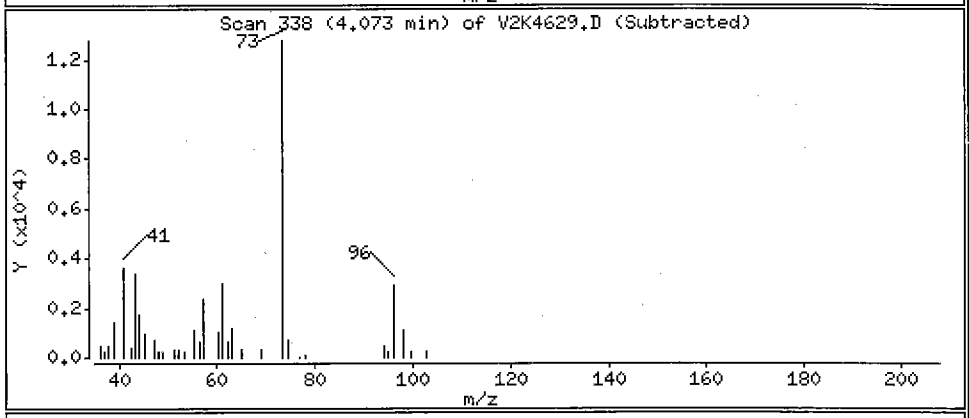
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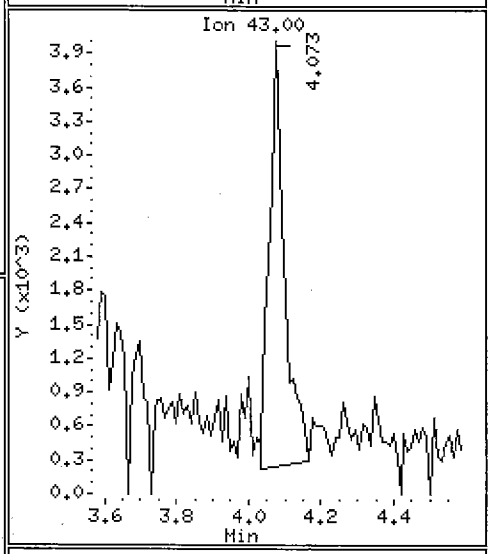
14 Methyl tert-Butyl Ether

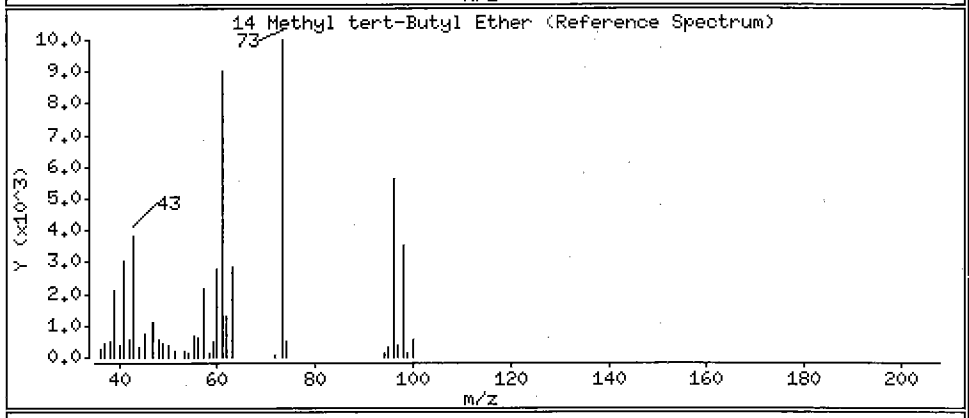
Concentration: 0.41 ug/L

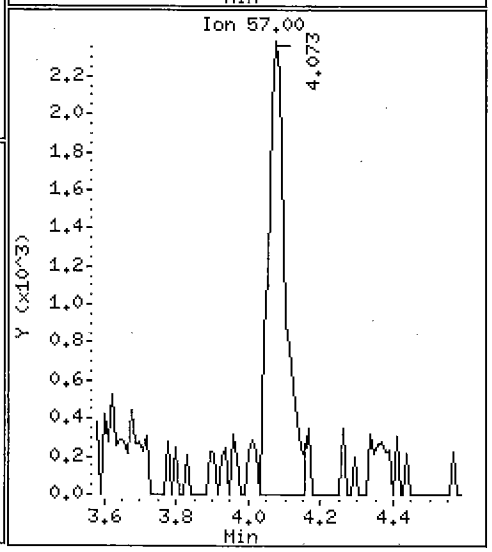


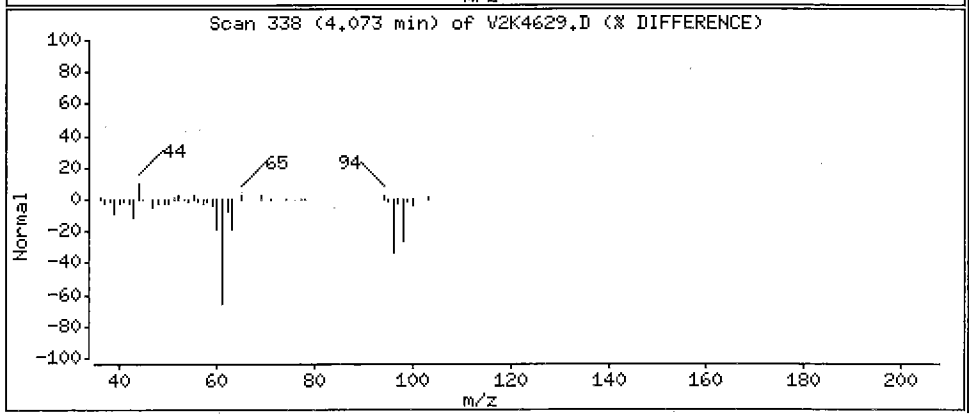












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D

Date : 05-JUN-2008 14:44

Client ID: 130173-MW66-GW

Instrument: V2.i

Sample Info: 25ML,G0846-05A,,36900

Purge Volume: 25.0

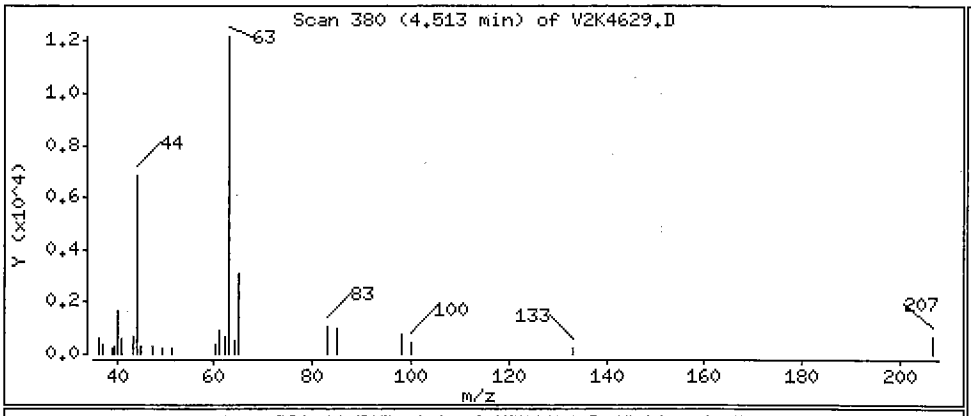
Operator: HZ SRC: LIMS

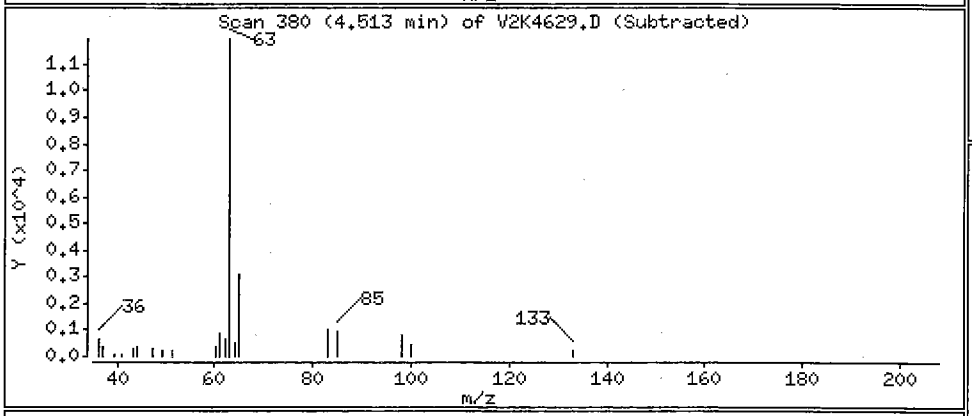
Column phase: DB-624

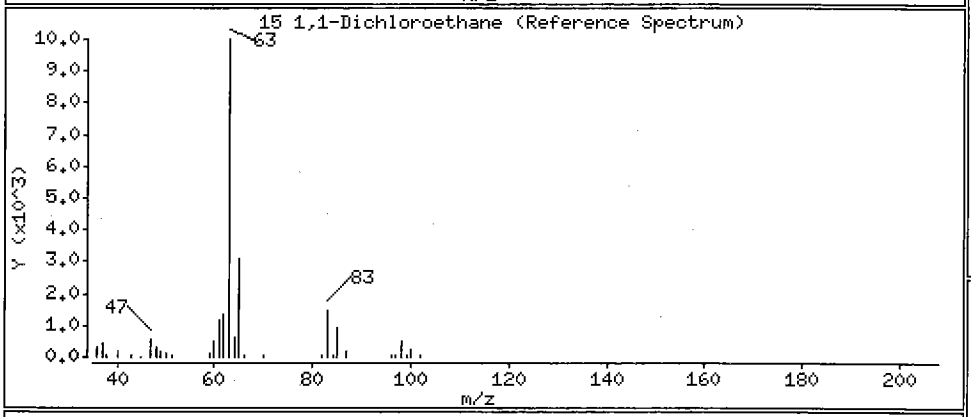
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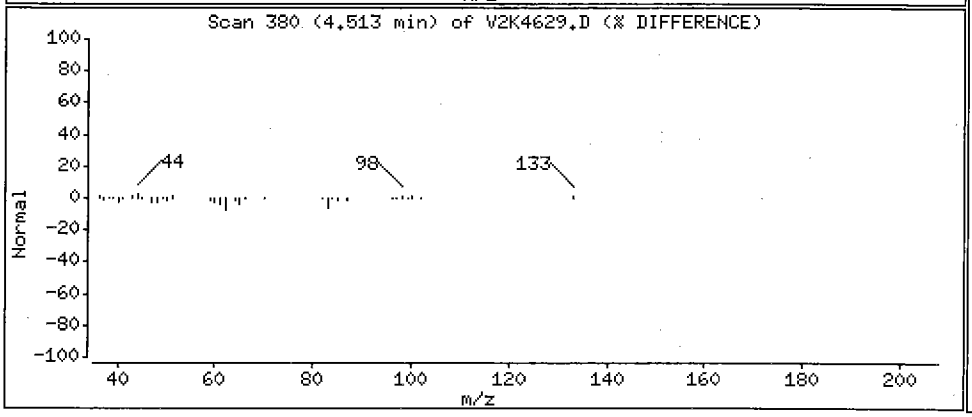
15 1,1-Dichloroethane

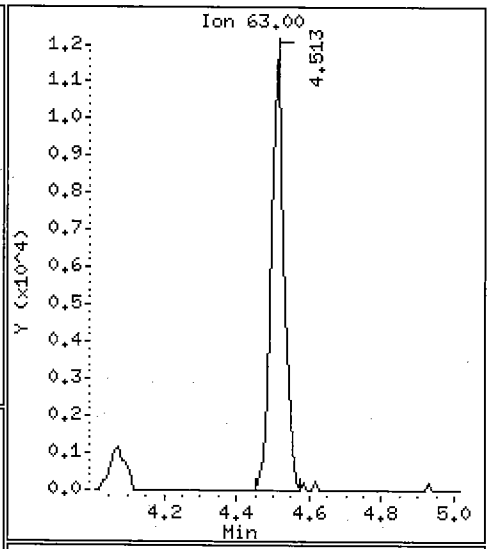
Concentration: 0.34 ug/L

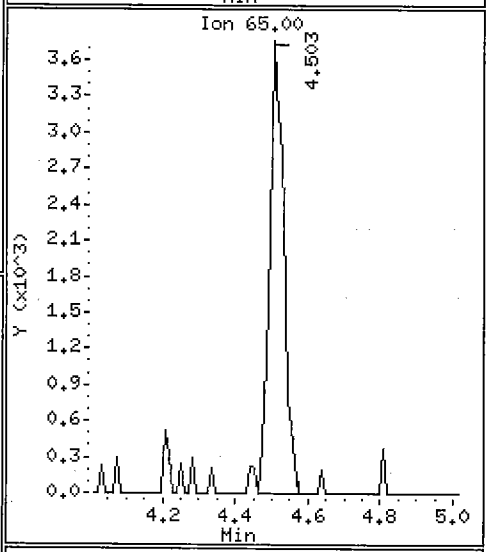


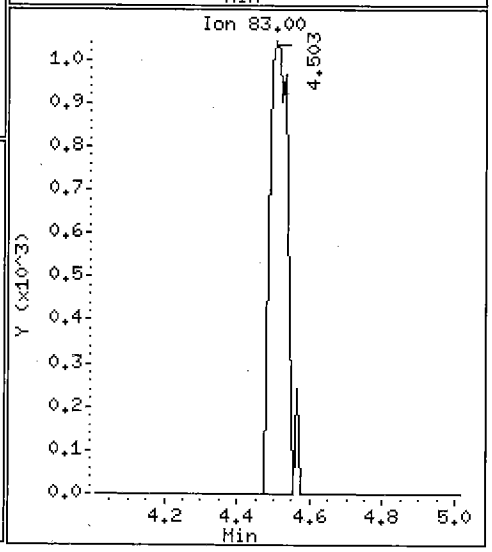












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D

Date : 05-JUN-2008 14:44

Client ID: 130173-MW66-GW

Instrument: V2.i

Sample Info: 25ML,G0846-05A,,36900

Purge Volume: 25.0

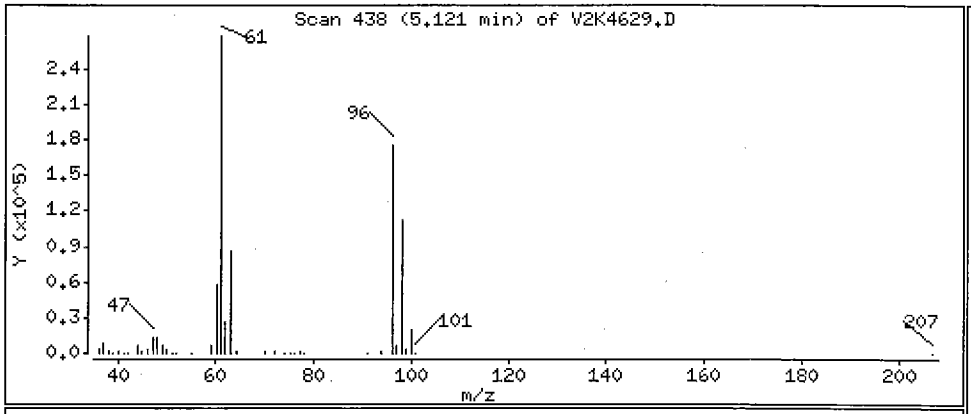
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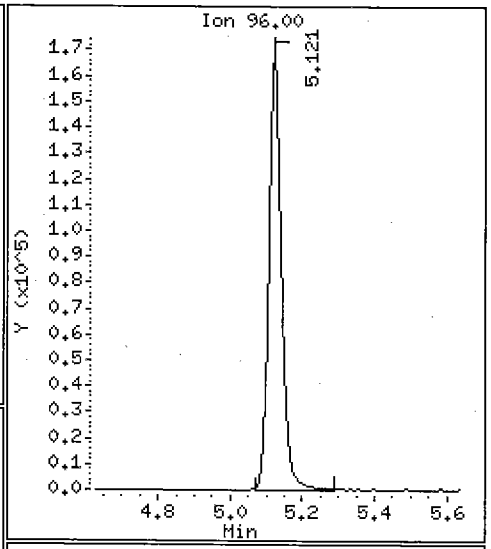
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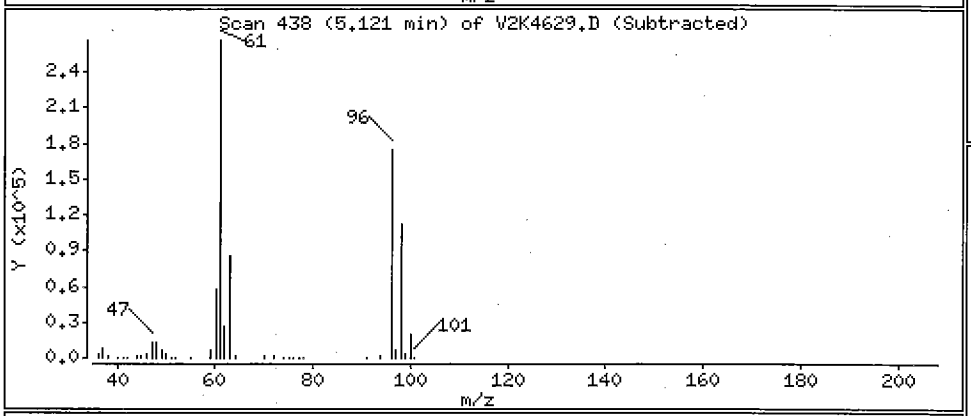
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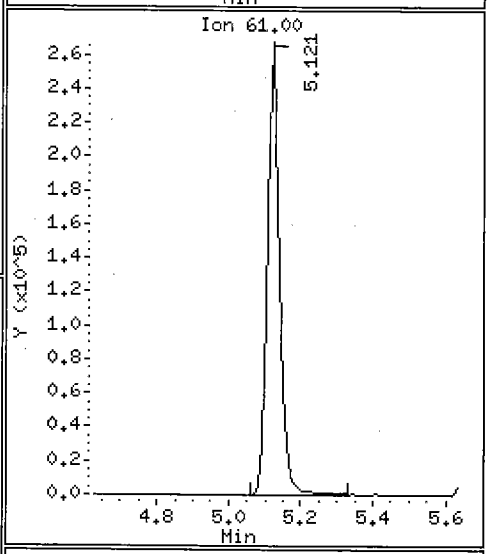
17 cis-1,2-Dichloroethene

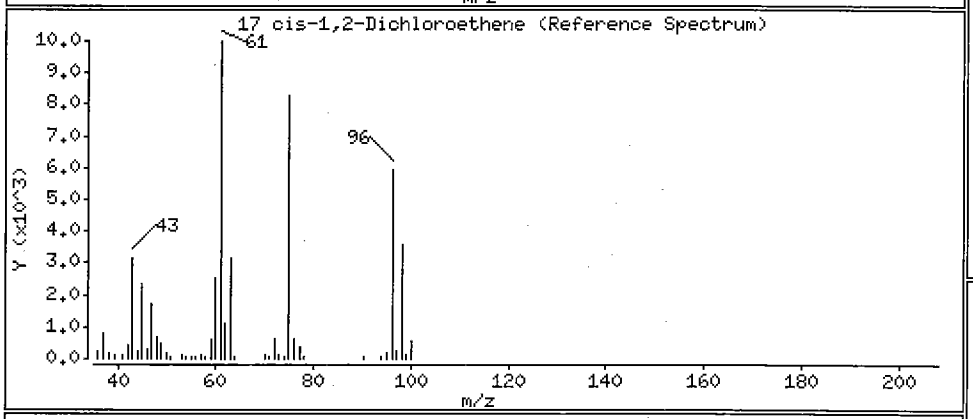
Concentration: 10 ug/L

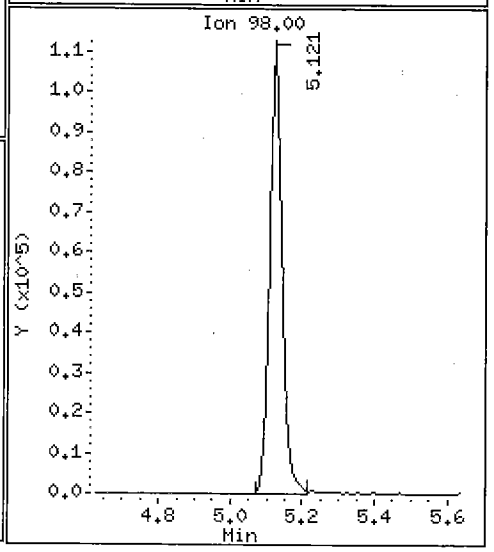


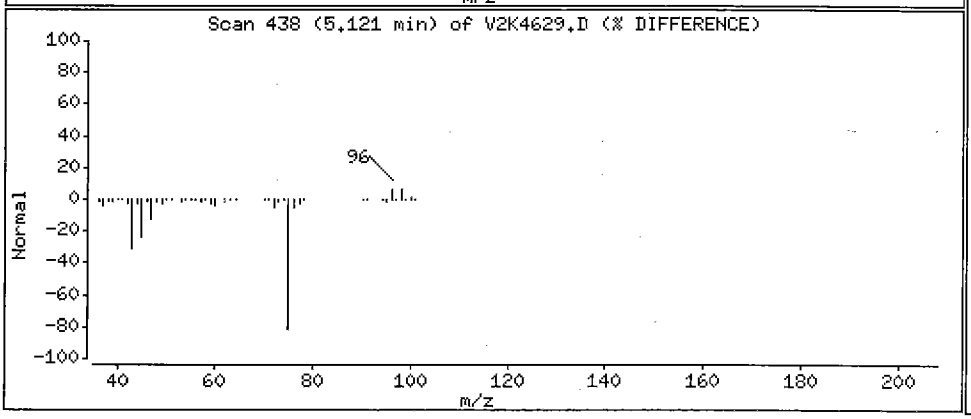












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D

Date : 05-JUN-2008 14:44

Client ID: 130173-MW66-GW

Instrument: V2.i

Sample Info: 25ML,G0846-05A,,36900

Purge Volume: 25.0

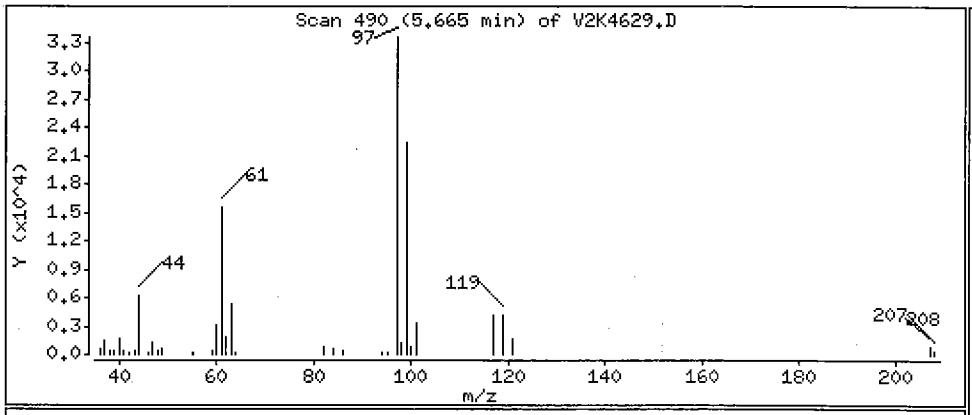
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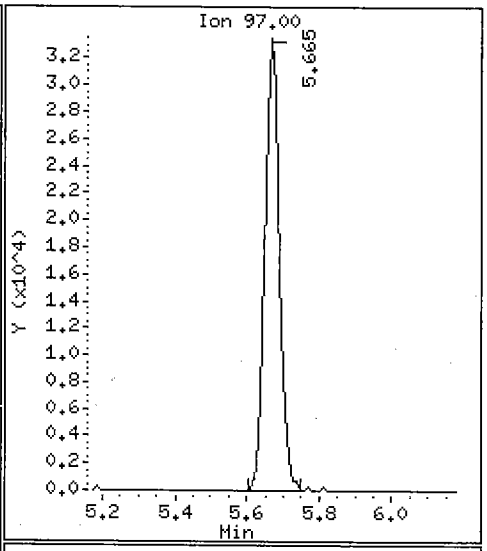
Column phase: DB-624

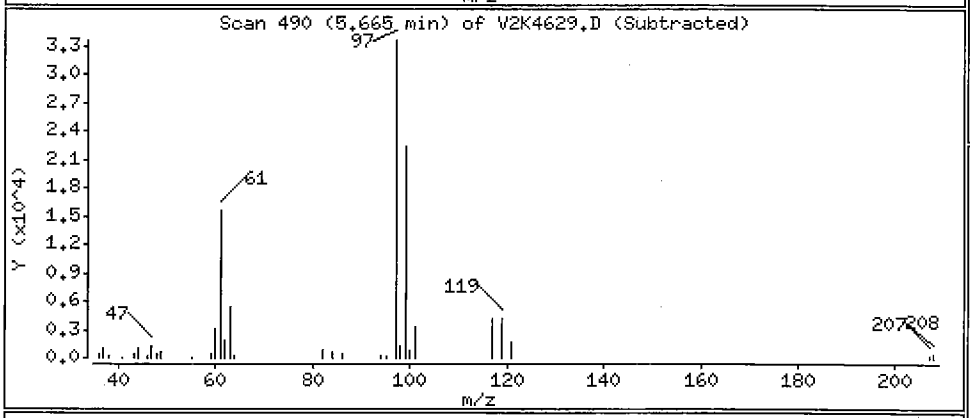
Column diameter: 0.25

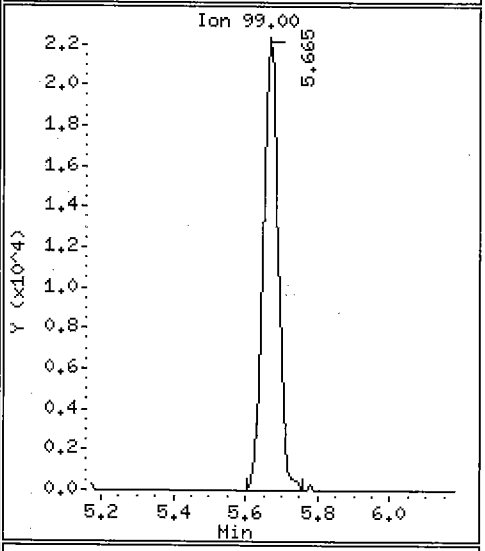
20 1,1,1-Trichloroethane

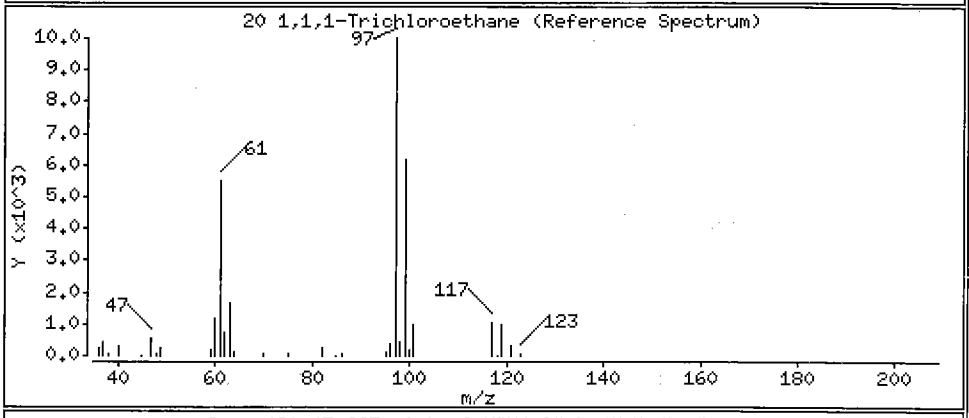
Concentration: 1.4 ug/L

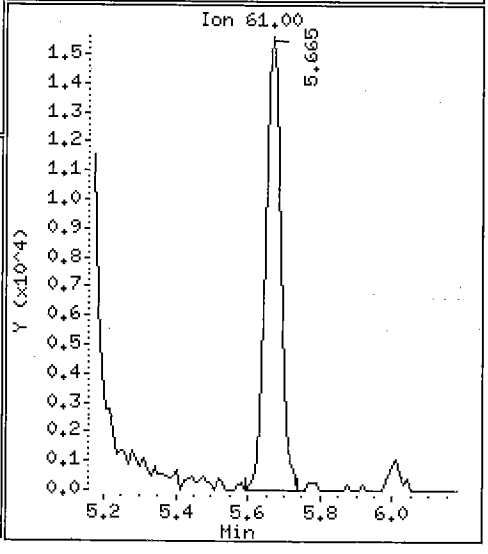


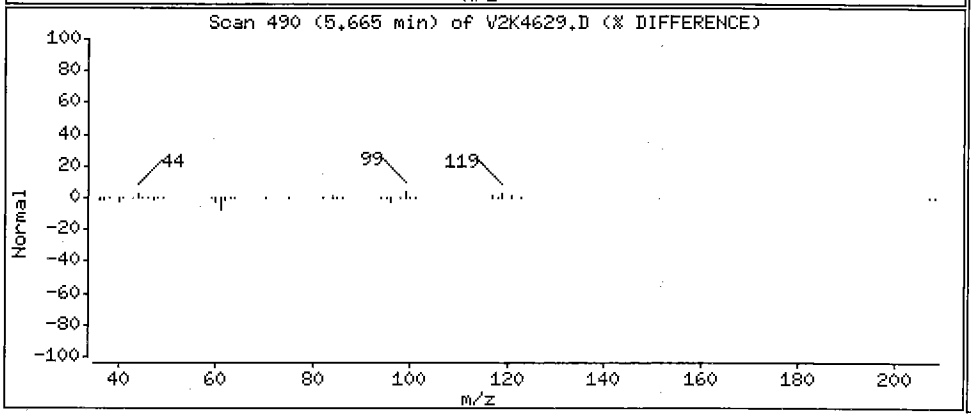












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D

Date : 05-JUN-2008 14:44

Client ID: 130173-MW66-GW

Instrument: V2.i

Sample Info: 25ML,G0846-05A,,36900

Purge Volume: 25.0

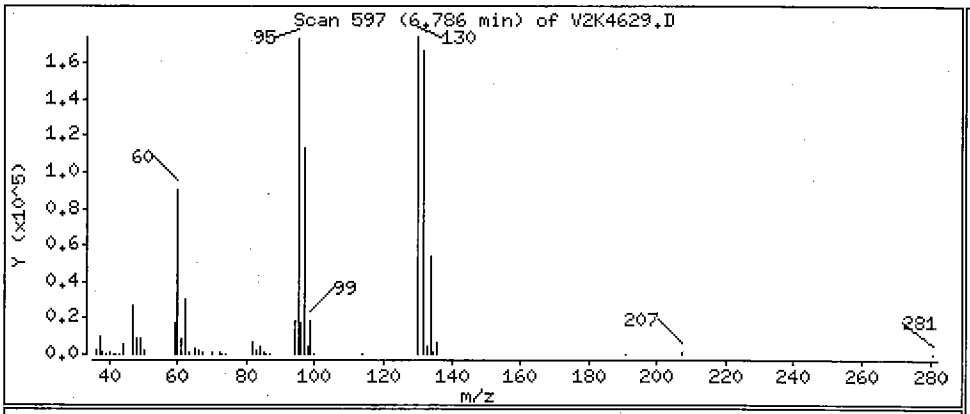
Operator: HZ SRC: LIMS

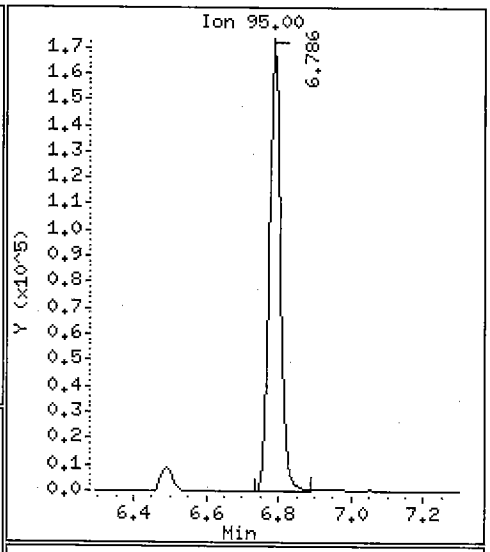
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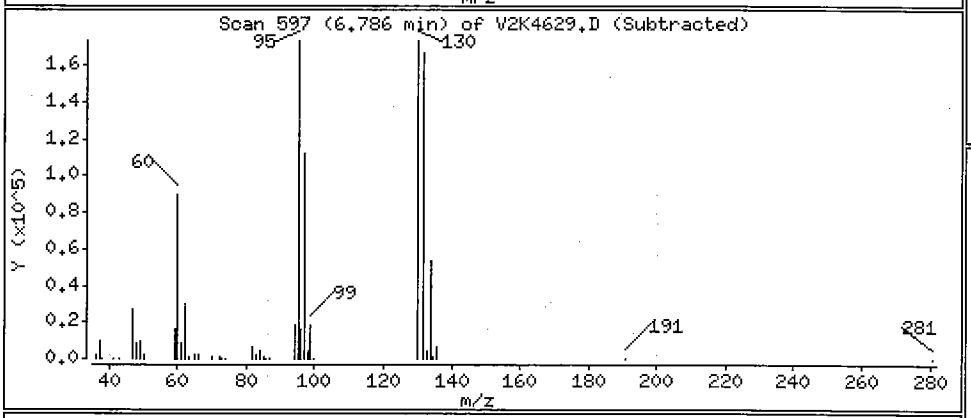
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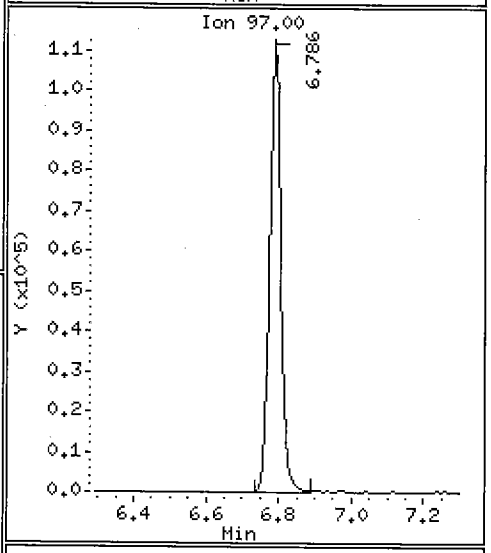
27 Trichloroethene

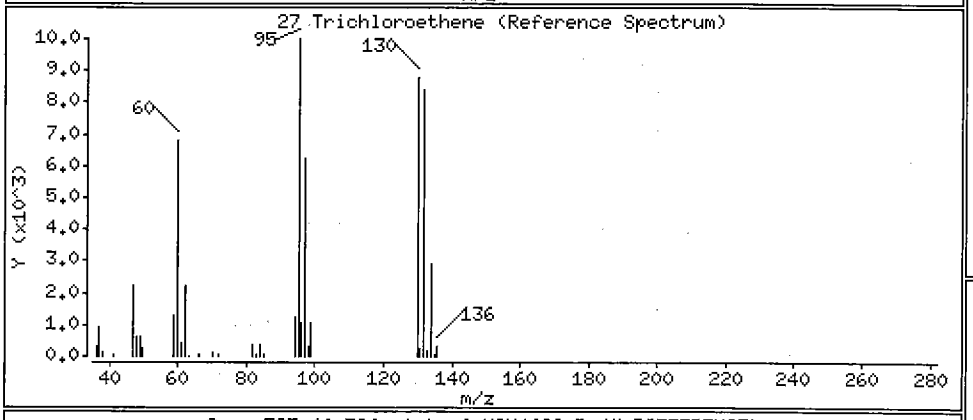
Concentration: 7.6 ug/L

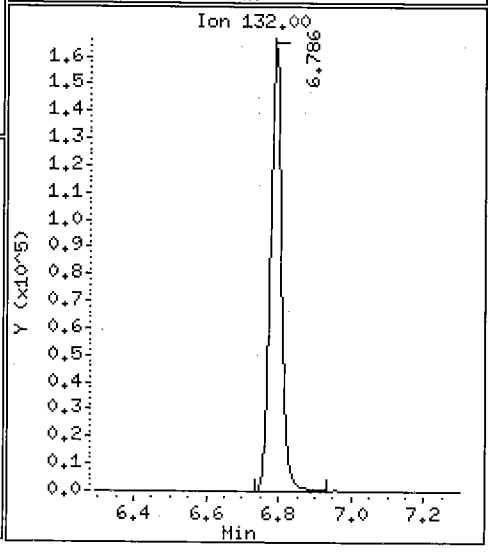


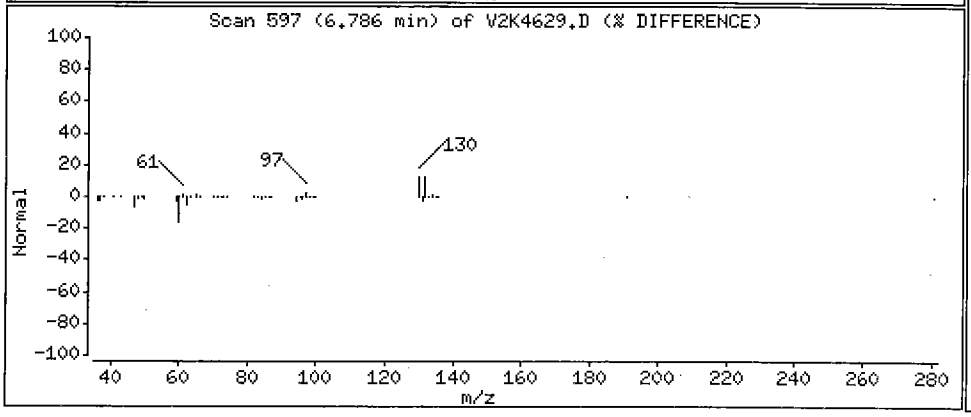












Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4629.D

Date : 05-JUN-2008 14:44

Client ID: 130173-MW66-GW

Instrument: V2.i

Sample Info: 25ML,G0846-05A,,36900

Purge Volume: 25.0

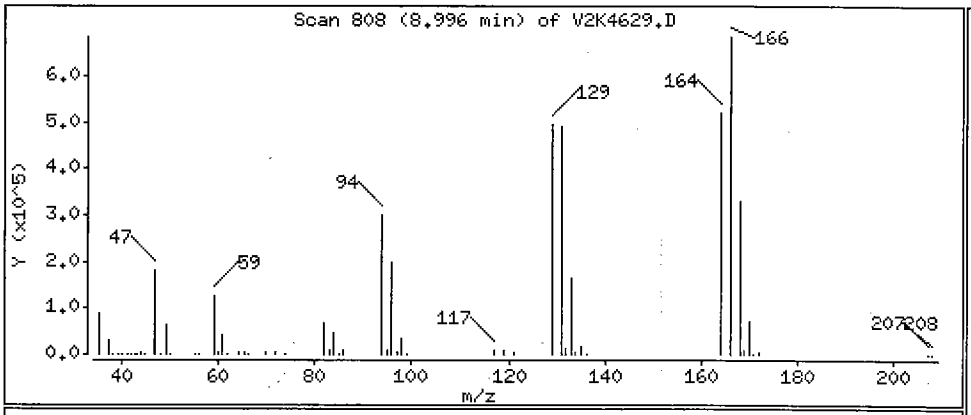
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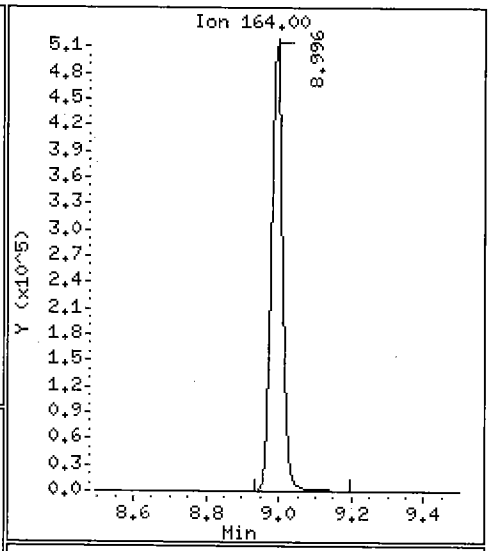
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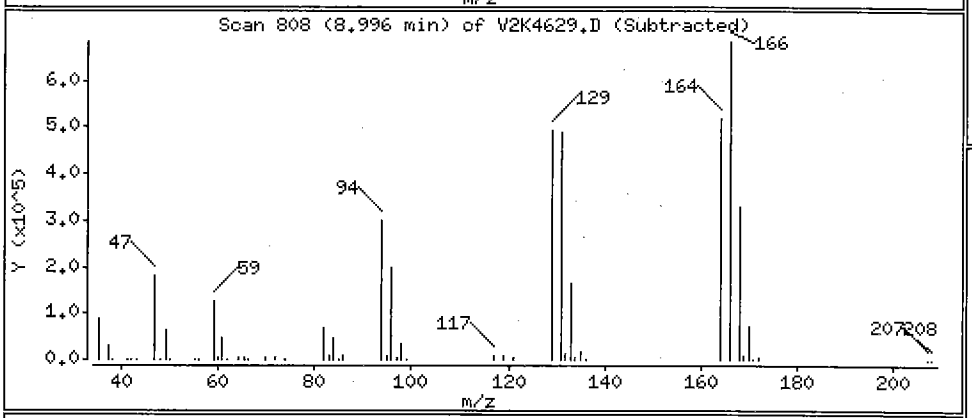
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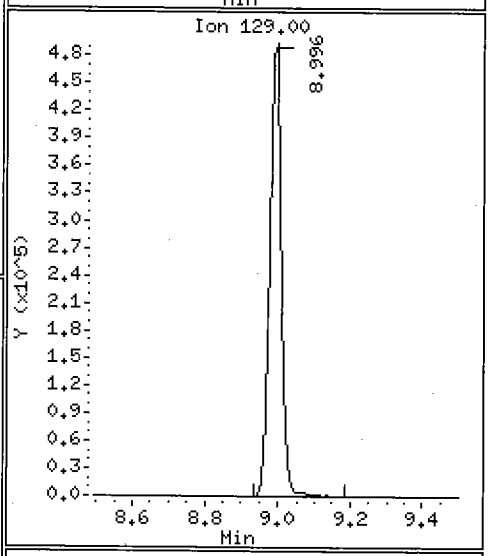
37 Tetrachloroethene

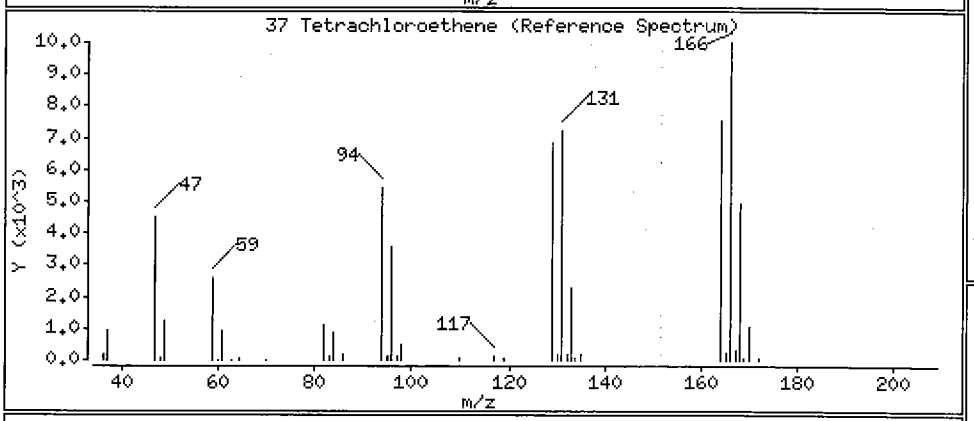
Concentration: 26 ug/L

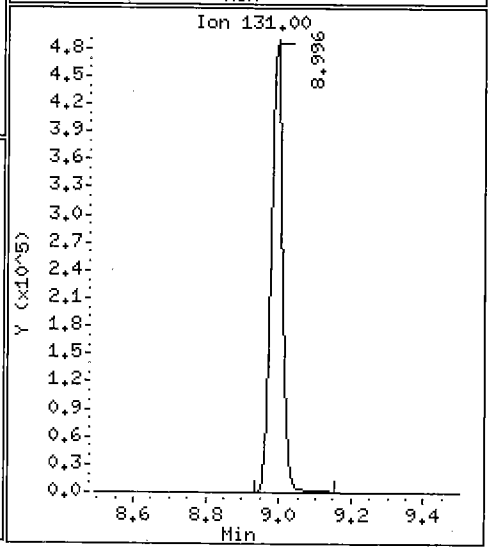


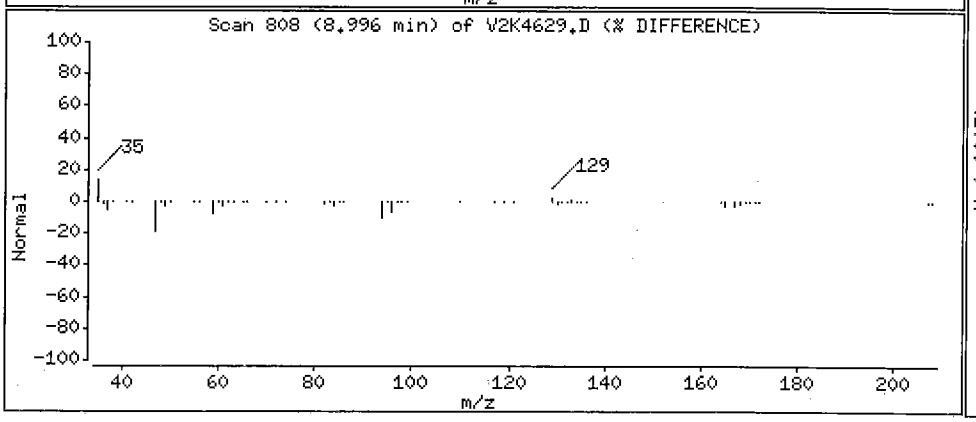












1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4645.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	12	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.1	D
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	7.9	D
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	23	D
591-78-6	2-Hexanone	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4645.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylenes (Total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW66-GWDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05ADL

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4645.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

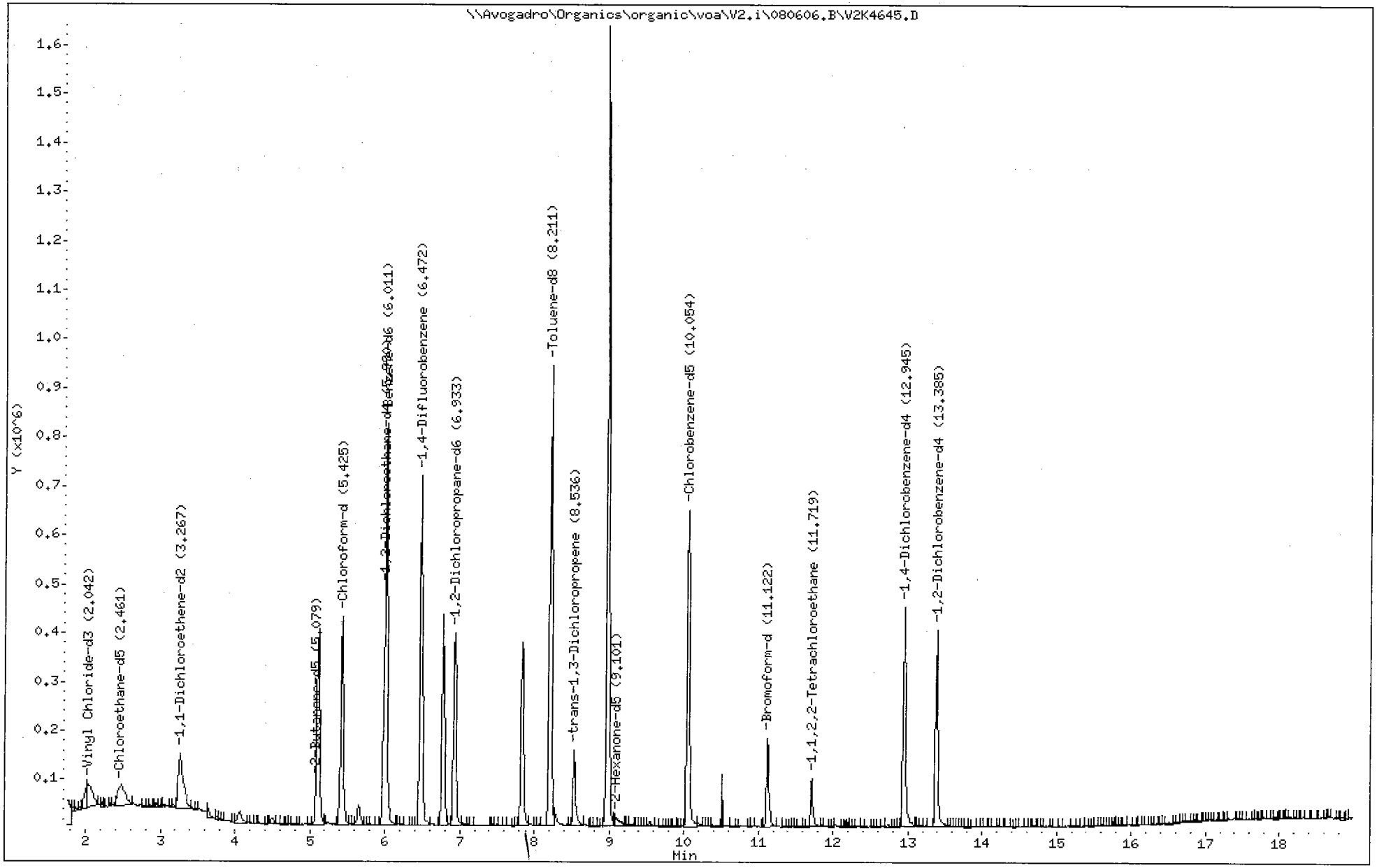
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D
Date : 06-JUN-2008 10:58
Client ID: 130173-MW66-GWDL
Instrument: V2.i
Sample Info: 25ML,G0846-05ADL,,36921,2
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



5608

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D
Lab Smp Id: G0846-05ADL Client Smp ID: 130173-MW66-GWDL
Inj Date : 06-JUN-2008 10:58
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-05ADL,,36921,2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 6
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

SC 6/11/08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.041	2.041	(0.315)	235920	4.89851	4.9
$	80 Chloroethane-d5	69	2.460	2.491	(0.380)	164793	4.99418	5.0
$	81 1,1-Dichloroethene-d2	100	3.256	3.266	(0.503)	56648	4.40099	4.4(Q)
$	82 2-Butanone-d5	46	5.079	5.078	(0.785)	29358	7.66319	7.7
	17 cis-1,2-Dichloroethene	96	5.110	5.109	(0.790)	216226	6.10455	12
$	83 Chloroform-d	84	5.424	5.434	(0.838)	447072	4.87832	4.9(Q)
	20 1,1,1-Trichloroethane	97	5.655	5.665	(0.562)	37870	0.56842	1.1
$	23 1,2-Dichloroethane-d4	65	5.990	6.000	(0.926)	156139	4.89032	4.9
$	84 Benzene-d6	84	6.011	6.031	(0.598)	843928	4.59519	4.6
*	26 1,4-Difluorobenzene	114	6.472	6.482	(1.000)	669449	5.00000	
	27 Trichloroethene	95	6.775	6.785	(0.674)	172495	3.95349	7.9
$	85 1,2-Dichloropropane-d6	67	6.933	6.932	(0.690)	213687	5.25675	5.3
$	33 Toluene-d8	98	8.210	8.220	(0.817)	740143	5.06912	5.1
$	86 trans-1,3-Dichloropropene-d4	79	8.535	8.545	(0.849)	120817	4.74194	4.7
	37 Tetrachloroethene	164	8.975	8.985	(0.893)	441700	11.5571	23
$	87 2-Hexanone-d5	63	9.101	9.079	(0.905)	7681	4.49971	4.5(aQ)
*	42 Chlorobenzene-d5	117	10.054	10.063	(1.000)	464414	5.00000	
$	88 Bromoform-d	174	11.122	11.132	(0.859)	110756	4.82818	4.8
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.719	11.729	(1.166)	66015	4.91661	4.9
*	78 1,4-Dichlorobenzene-d4	152	12.955	12.954	(1.000)	168961	5.00000	(Q)
$	90 1,2-Dichlorobenzene-d4	152	13.384	13.394	(1.033)	126357	4.92479	4.9

6/9/08

GC/MS HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D
Report Date: 09-Jun-2008 11:58

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D
Lab Smp Id: G0846-05ADL Client Smp ID: 130173-MW66-GWDL
Inj Date : 06-JUN-2008 10:58
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-05ADL,,36921,2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 6
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D

Date : 06-JUN-2008 10:58

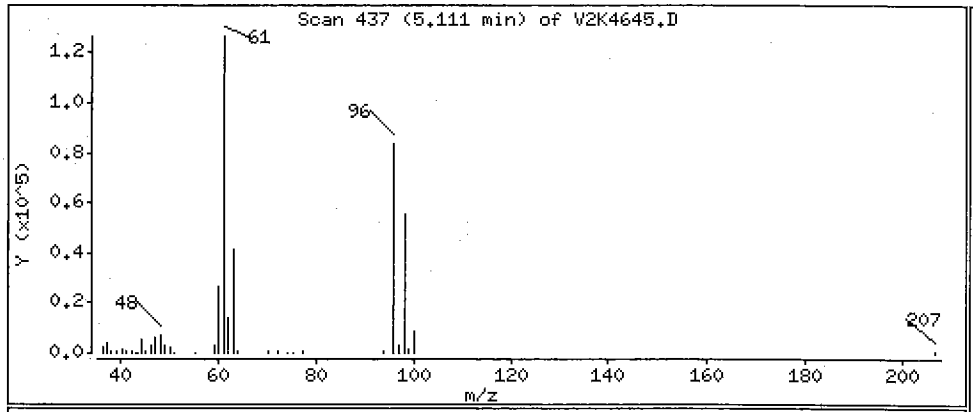
Client ID: 130173-MW66-GWDL Instrument: V2.i

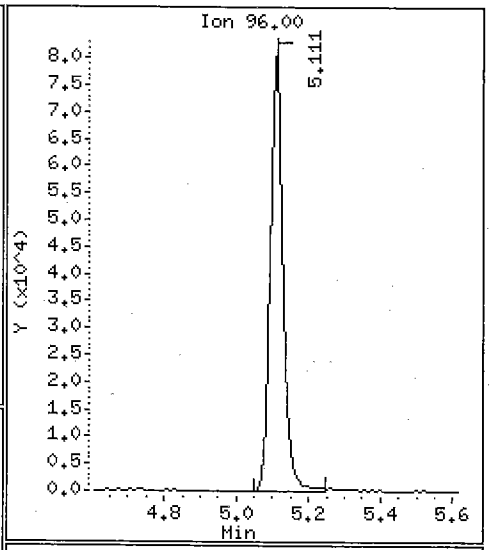
Sample Info: 25ML,G0846-05ADL,,36921,2

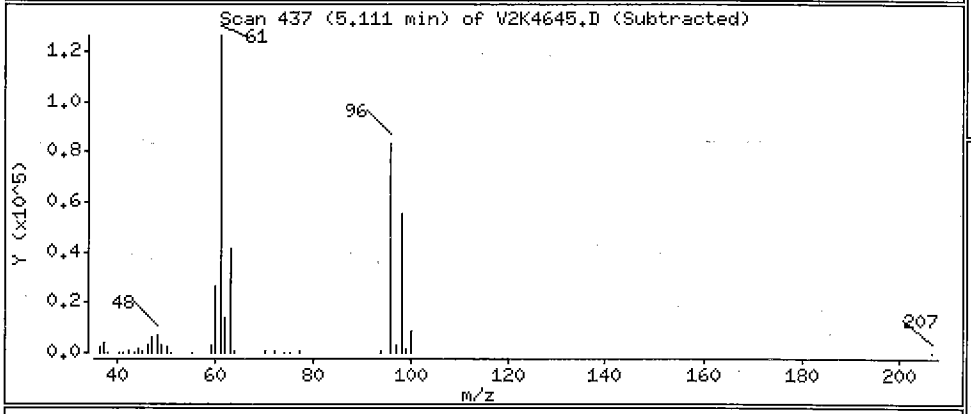
Purge Volume: 25.0 Operator: HZ SRC: LIMS

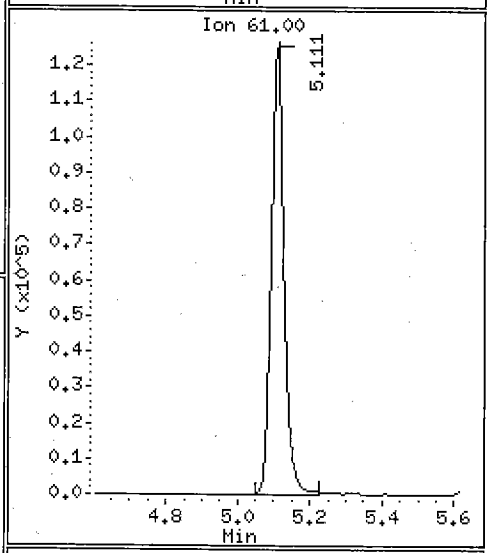
Column phase: DB-624 Column diameter: 0.25

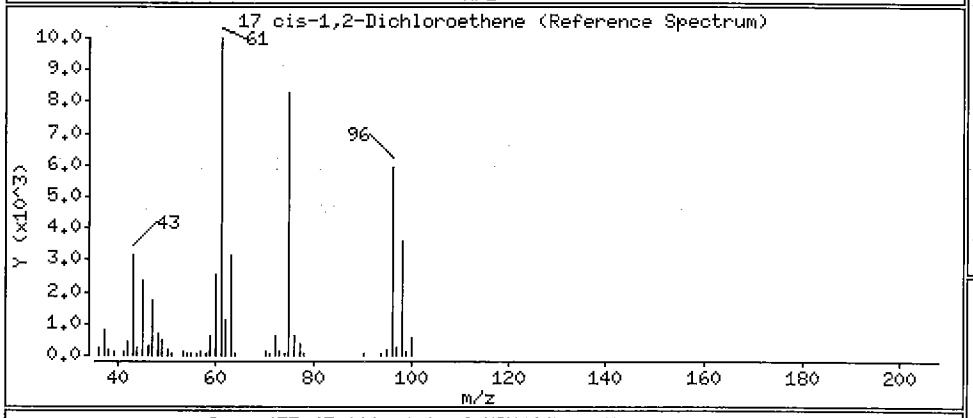
17 cis-1,2-Dichloroethene Concentration: 12 ug/L

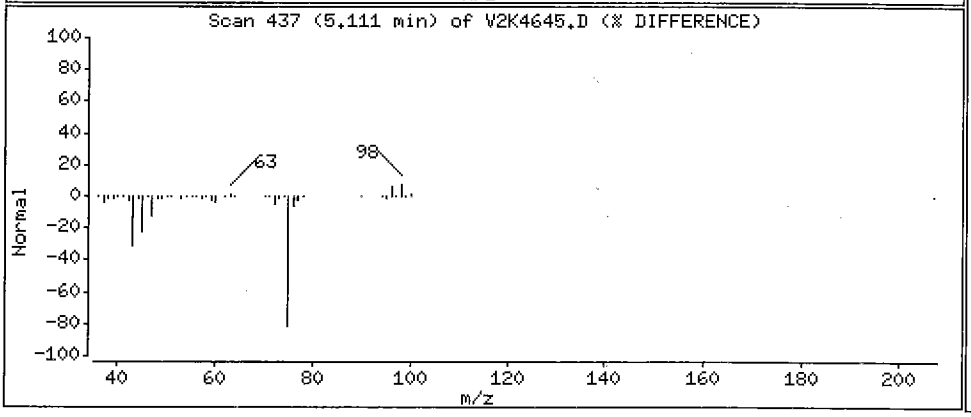


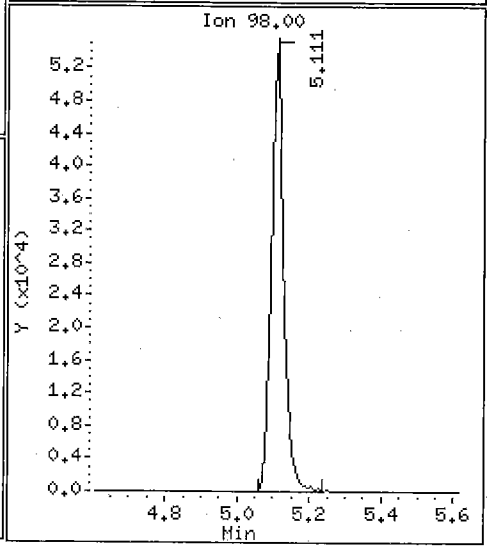












Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D

Date : 06-JUN-2008 10:58

Client ID: 130173-MW66-GWDL

Instrument: V2.i

Sample Info: 25ML,G0846-05ADL,,36921,2

Purge Volume: 25.0

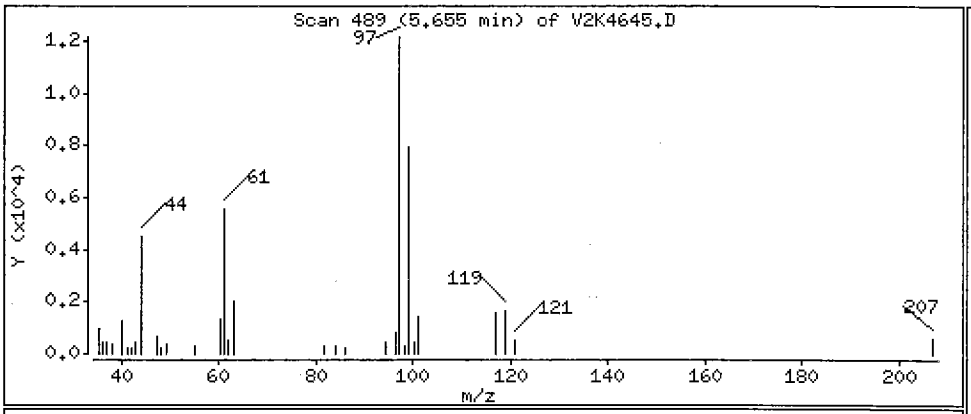
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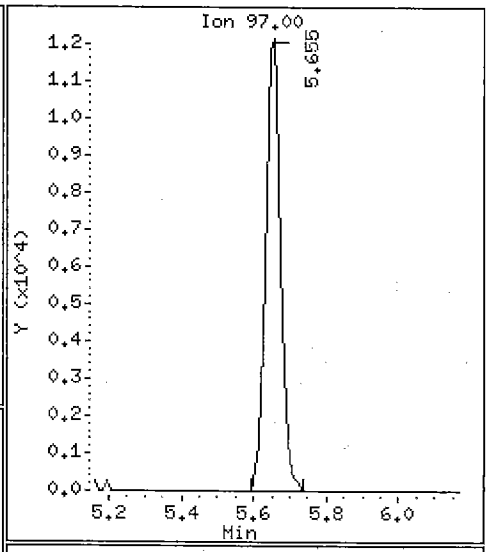
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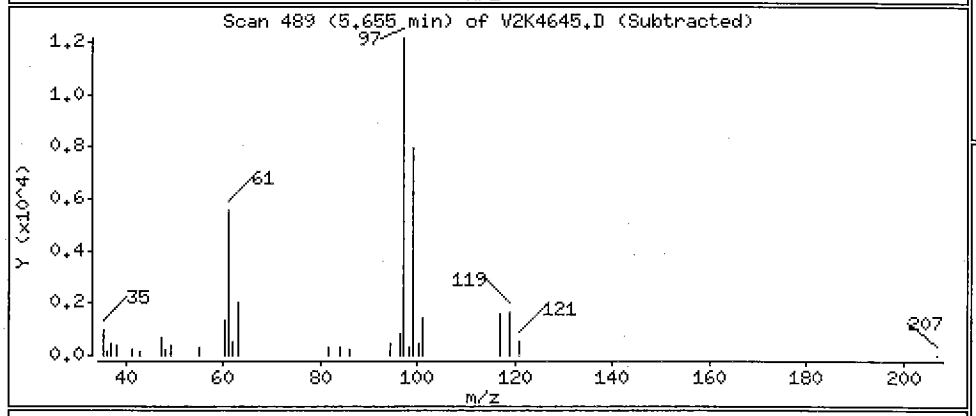
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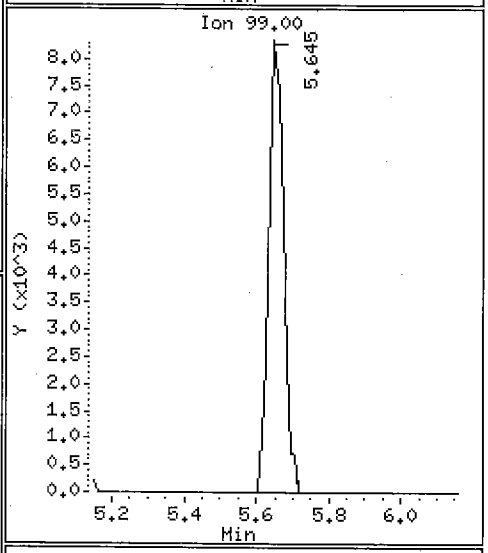
20 1,1,1-Trichloroethane

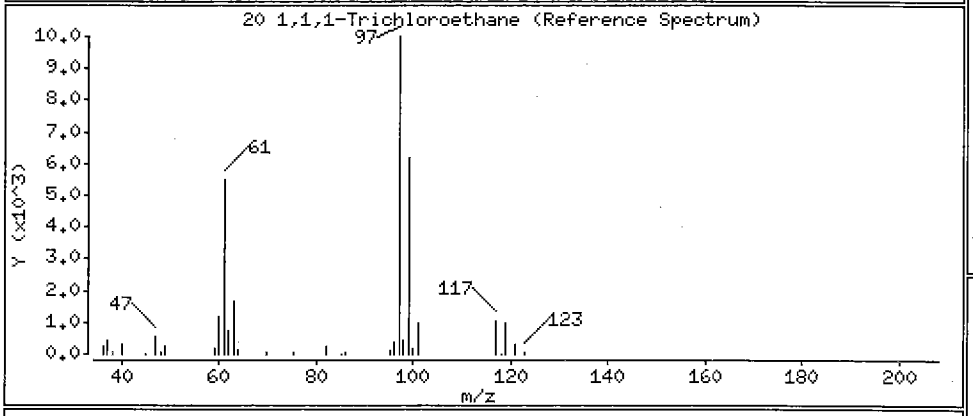
Concentration: 1.1 ug/L

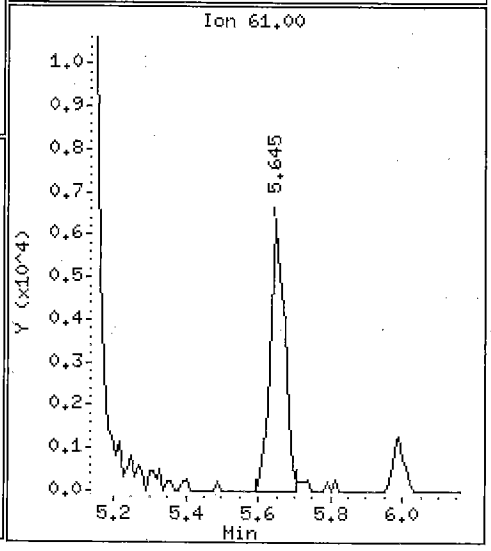


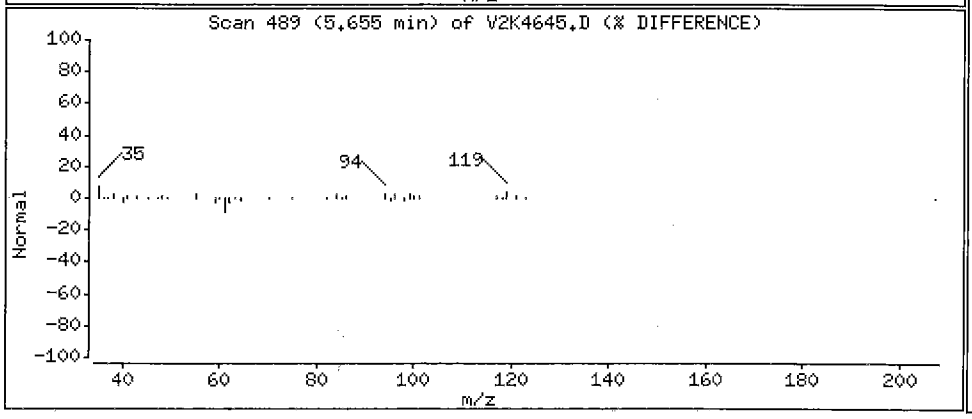












Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D

Date : 06-JUN-2008 10:58

Client ID: 130173-MW66-GWDL

Instrument: V2.i

Sample Info: 25ML,G0846-05ADL,,36921,2

Purge Volume: 25.0

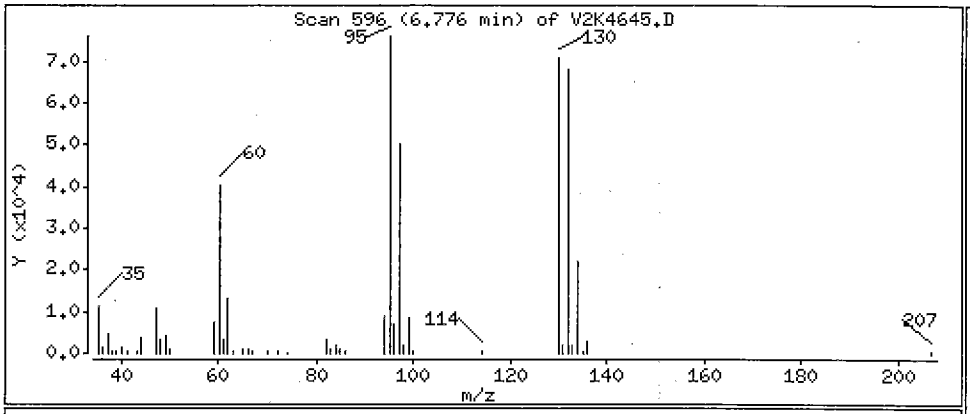
Operator: HZ SRC: LIMS

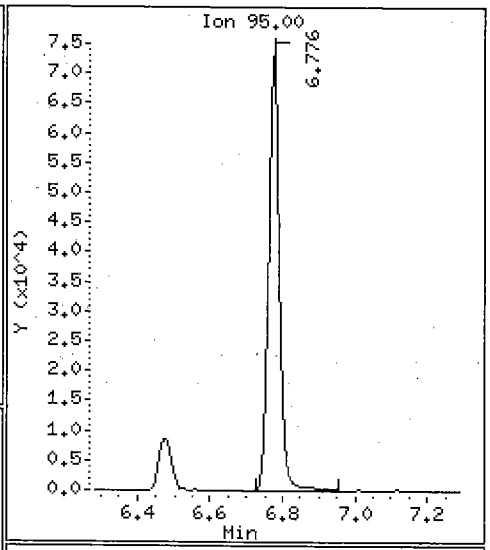
Column phase: DB-624

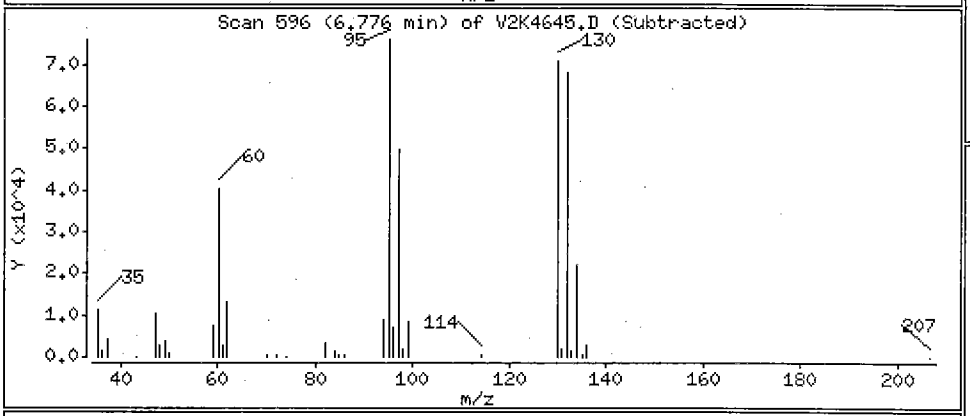
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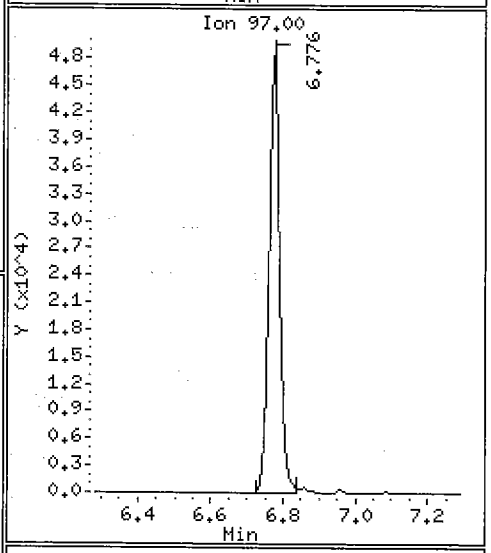
27 Trichloroethene

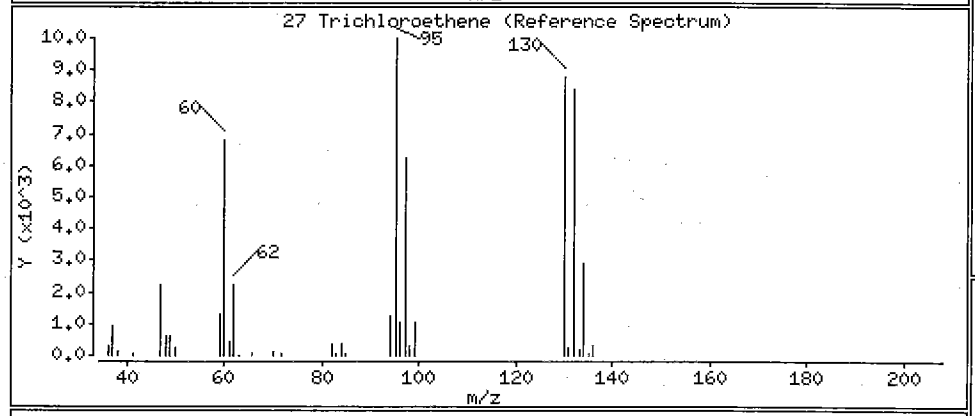
Concentration: 7.9 ug/L

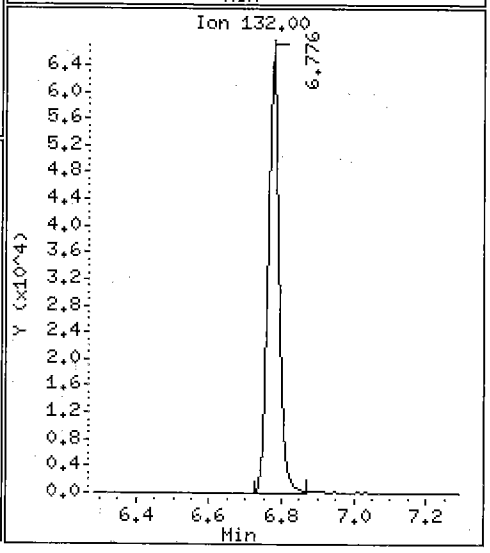


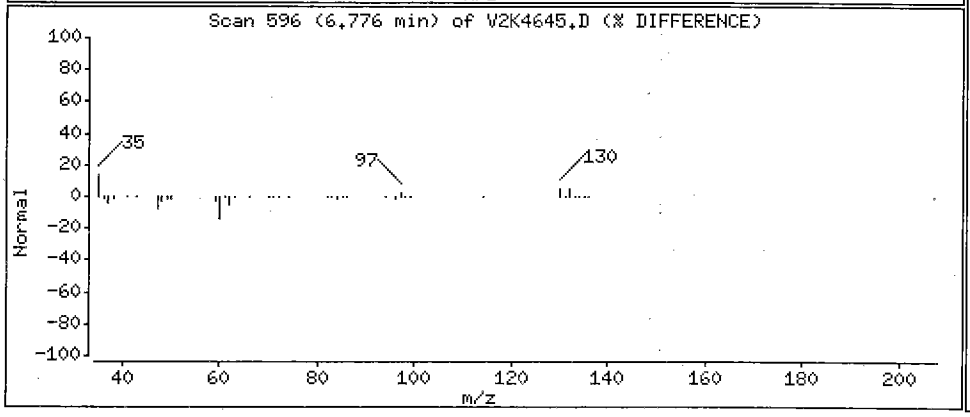












Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4645.D

Date : 06-JUN-2008 10:58

Client ID: 130173-MW66-GWDL

Instrument: V2.i

Sample Info: 25ML,G0846-05ADL,,36921,2

Purge Volume: 25.0

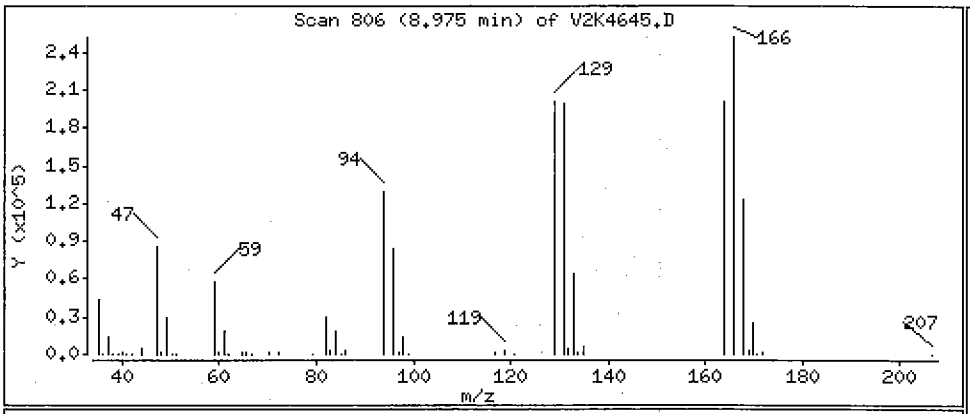
Operator: HZ SRC: LIMS

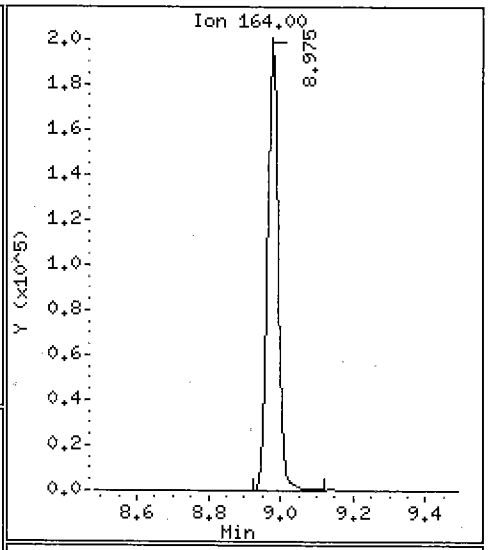
Column phase: DB-624

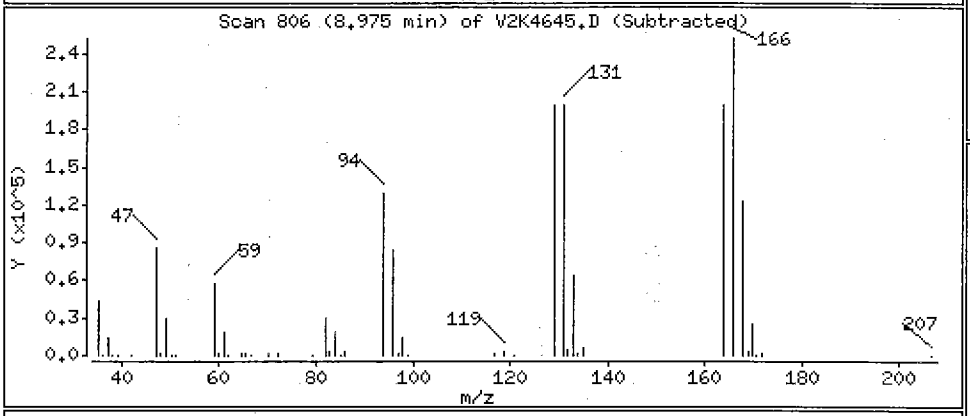
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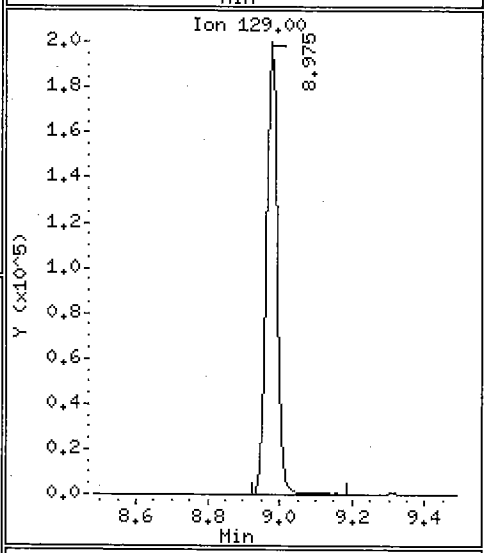
37 Tetrachloroethene

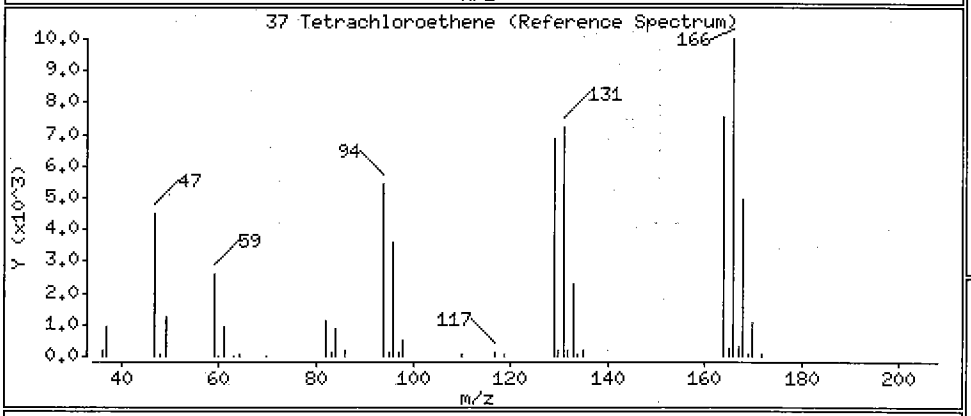
Concentration: 23 ug/L

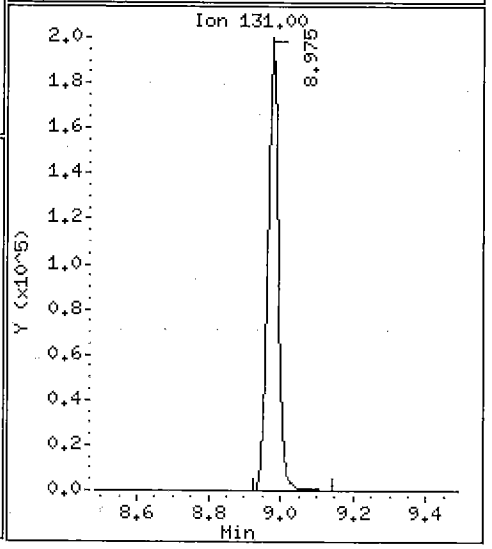


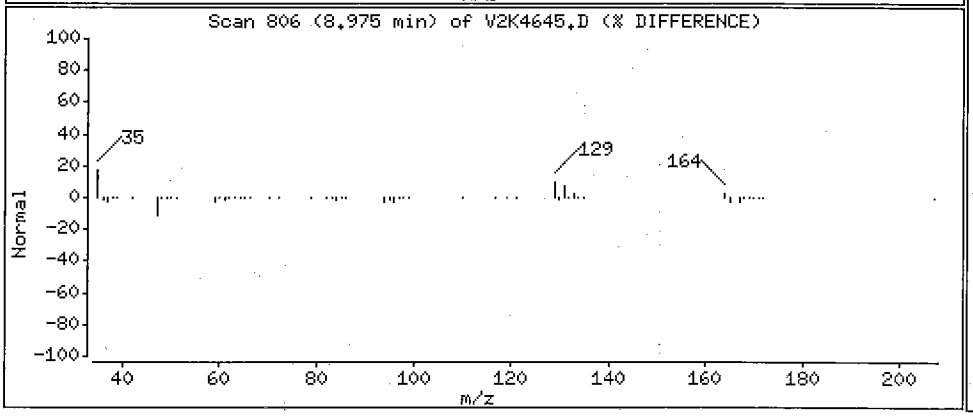












1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4646.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	13	
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4646.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4646.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

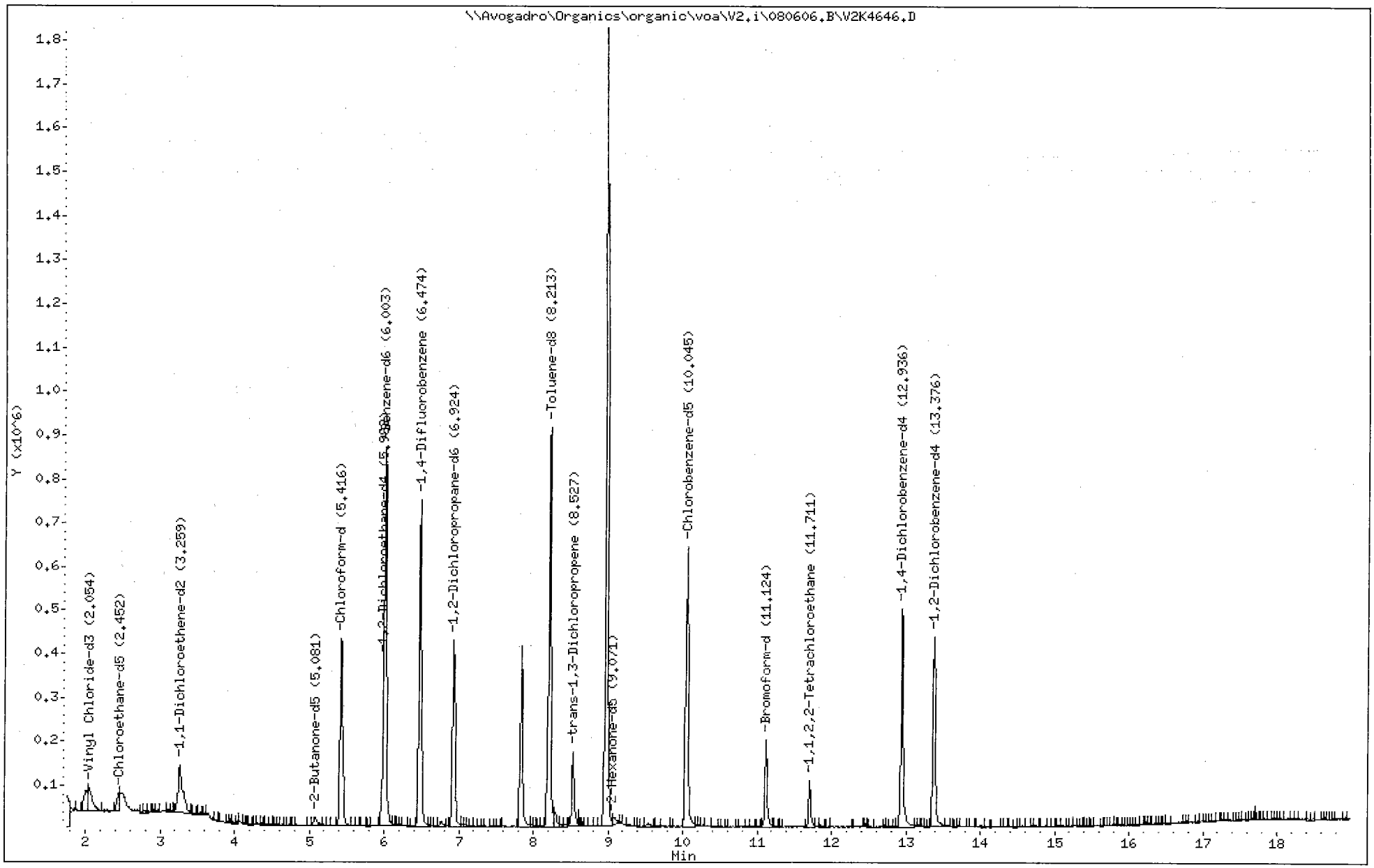
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4646.D
Date : 06-JUN-2008 11:29
Client ID: 130173-MW-2-GW
Sample Info: 25ML,G0846-06A,,36921,
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i
Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4646.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4646.D
Lab Smp Id: G0846-06A Client Smp ID: 130173-MW-2-GW
Inj Date : 06-JUN-2008 11:29
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-06A,,36921,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 79 Vinyl Chloride-d3	65	2.043	2.041	(0.316)	237294	4.76164	4.8
$ 80 Chloroethane-d5	69	2.452	2.491	(0.379)	168162	4.92520	4.9
$ 81 1,1-Dichloroethene-d2	100	3.258	3.266	(0.503)	53756	4.03612	4.0(Q)
$ 82 2-Butanone-d5	46	5.080	5.078	(0.785)	32085	8.09386	8.1
$ 83 Chloroform-d	84	5.426	5.434	(0.838)	466725	4.92180	4.9(Q)
$ 23 1,2-Dichloroethane-d4	65	5.981	6.000	(0.924)	166631	5.04373	5.0
$ 84 Benzene-d6	84	6.002	6.031	(0.598)	861721	4.59465	4.6
* 26 1,4-Difluorobenzene	114	6.473	6.482	(1.000)	692703	5.00000	
$ 85 1,2-Dichloropropane-d6	67	6.924	6.932	(0.689)	228915	5.51444	5.5
$ 33 Toluene-d8	98	8.212	8.220	(0.818)	758701	5.08833	5.1
$ 86 trans-1,3-Dichloropropene-d4	79	8.526	8.545	(0.849)	121235	4.65955	4.7
37 Tetrachloroethene	164	8.977	8.985	(0.894)	516928	13.2447	13
$ 87 2-Hexanone-d5	63	9.071	9.079	(0.903)	9542	5.47387	5.5(Q)
* 42 Chlorobenzene-d5	117	10.045	10.063	(1.000)	474261	5.00000	
$ 88 Bromoform-d	174	11.124	11.132	(0.859)	118029	4.79624	4.8
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.710	11.729	(1.166)	69307	5.05462	5.1
* 78 1,4-Dichlorobenzene-d4	152	12.946	12.954	(1.000)	181255	5.00000	(Q)
$ 90 1,2-Dichlorobenzene-d4	152	13.375	13.394	(1.033)	137610	4.99960	5.0

WL 6/4/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4646.D
Report Date: 09-Jun-2008 11:58

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4646.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4646.D
Lab Smp Id: G0846-06A Client Smp ID: 130173-MW-2-GW
Inj Date : 06-JUN-2008 11:29
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-06A,,36921,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4646.D

Date : 06-JUN-2008 11:29

Client ID: 130173-MW-2-GW

Instrument: V2.i

Sample Info: 25ML,G0846-06A,,36921,

Purge Volume: 25.0

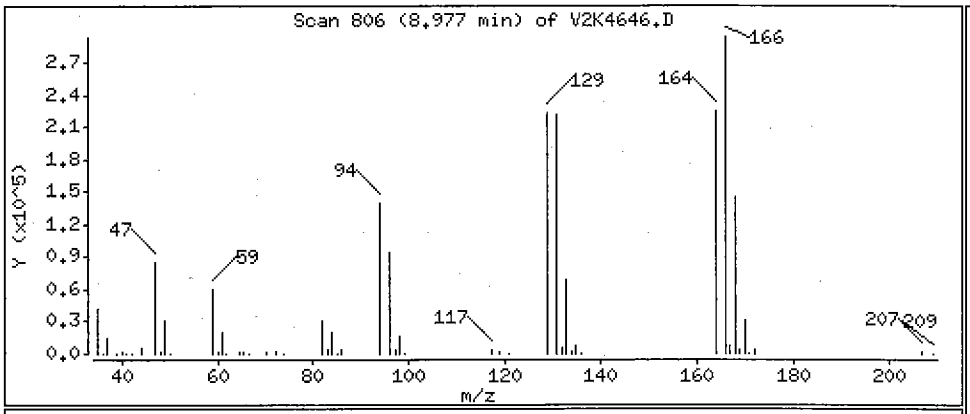
Operator: HZ SRC: LIMS

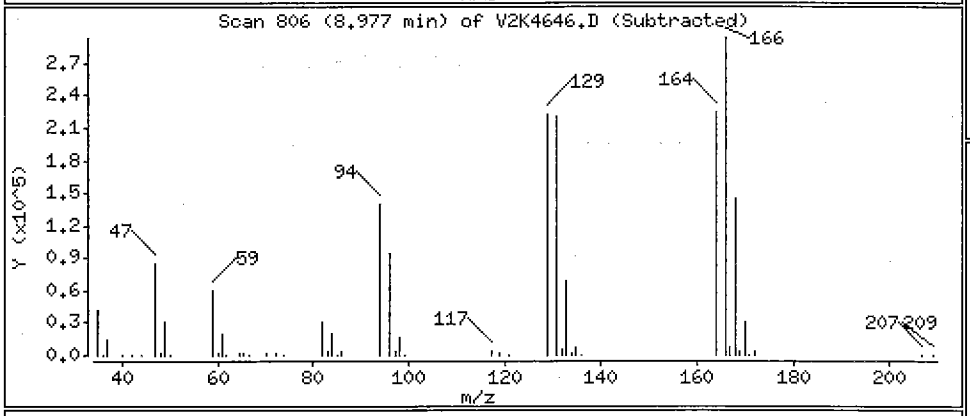
Column phase: DB-624

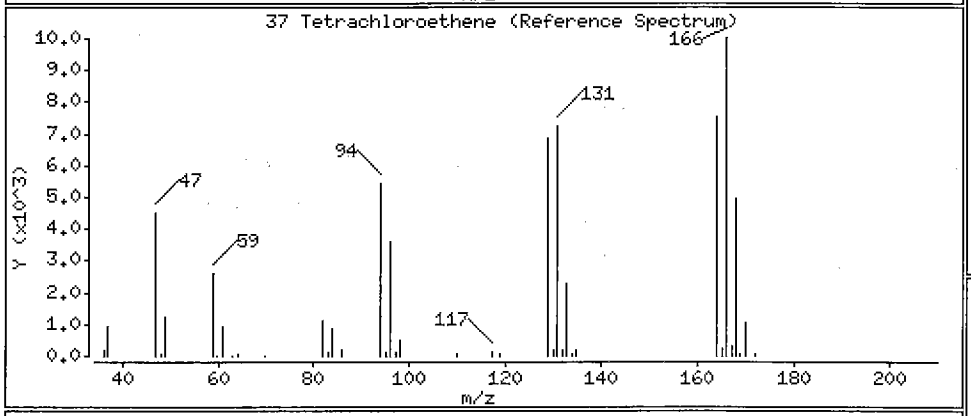
Column diameter: 0.25

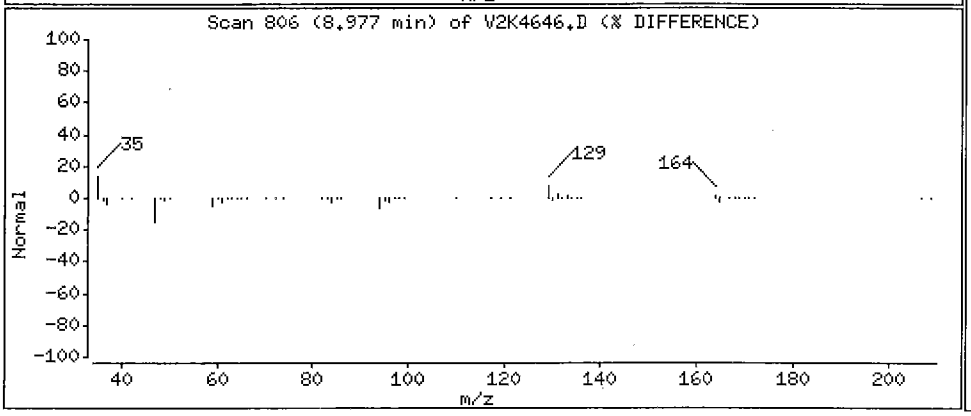
37 Tetrachloroethene

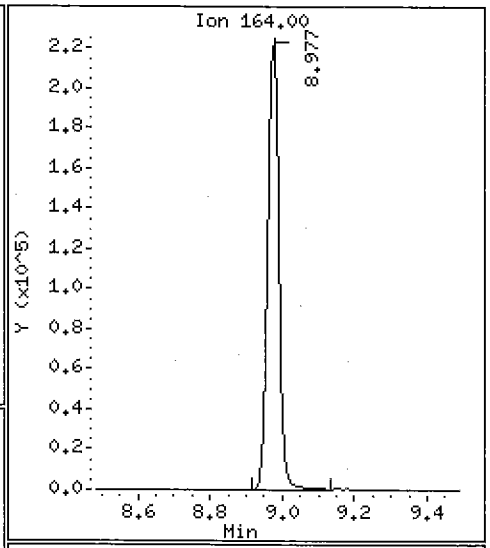
Concentration: 13 ug/L

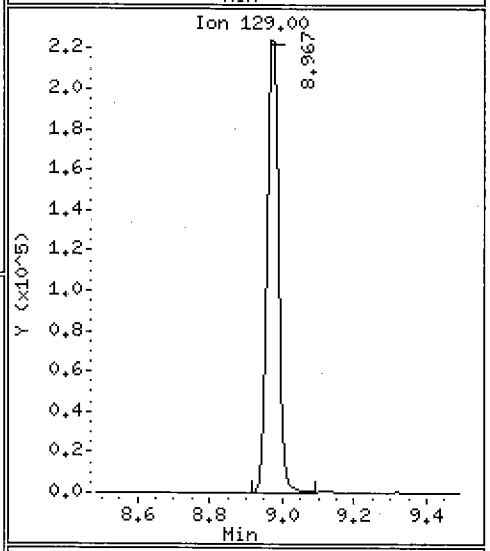


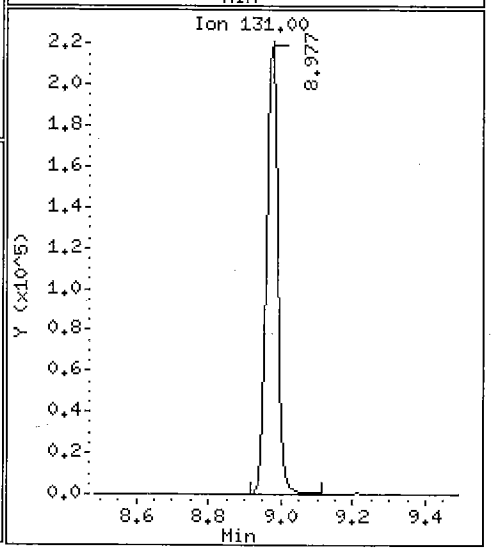












1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4631.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4631.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4631.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

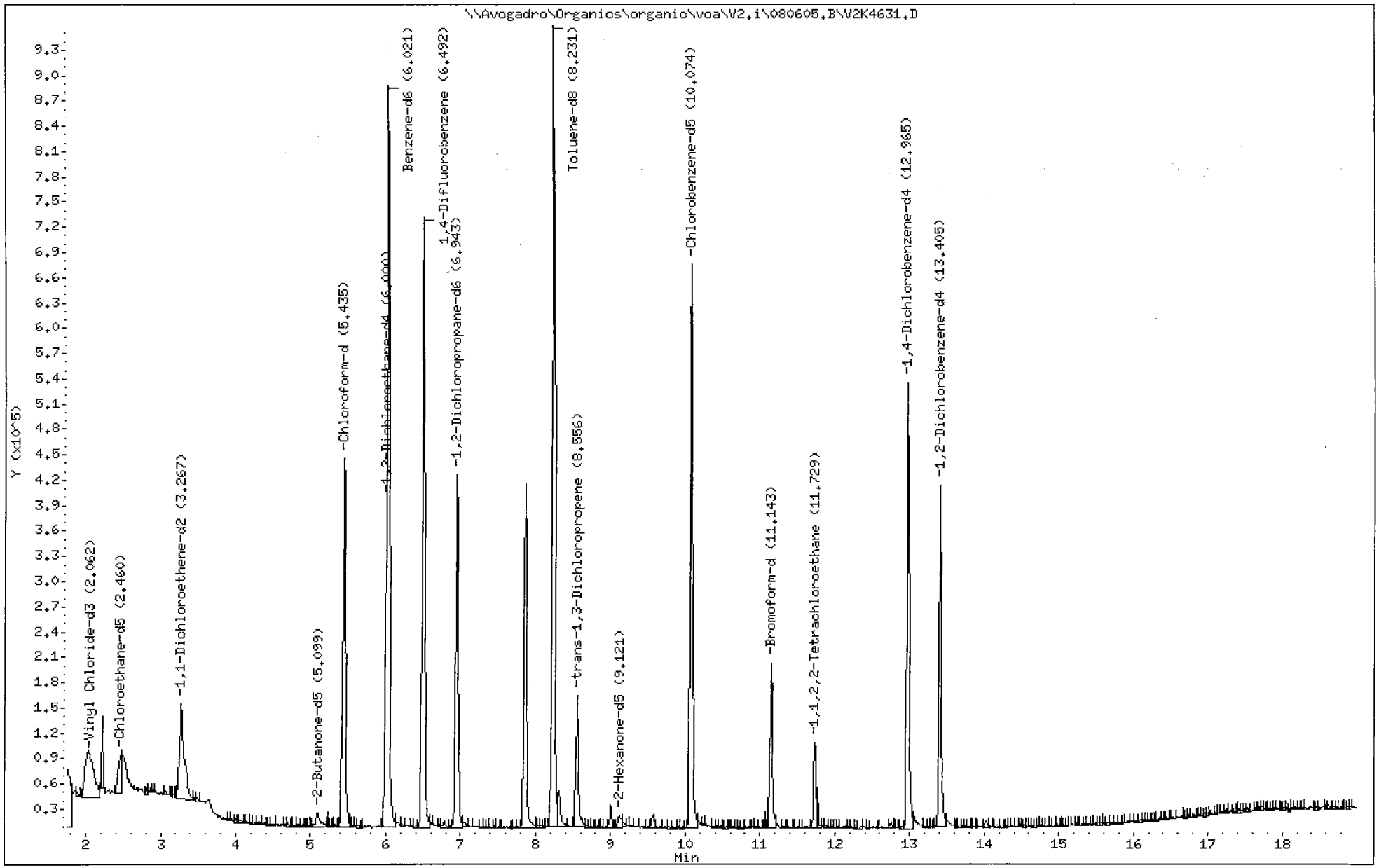
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4631.D
Date : 05-JUN-2008 15:47
Client ID: 130173-MW-5-GW
Instrument: V2.i
Sample Info: 25ML,G0846-07A,,36900
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



27 of 59

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4631.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4631.D
Lab Smp Id: G0846-07A Client Smp ID: 130173-MW-5-GW
Inj Date : 05-JUN-2008 15:47
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-07A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.062	2.062	(0.318)	259666	5.04485	5.0
$	80 Chloroethane-d5	69	2.470	2.470	(0.381)	169330	5.24513	5.2
$	81 1,1-Dichloroethene-d2	100	3.266	3.277	(0.503)	53606	3.63402	3.6(Q)
$	82 2-Butanone-d5	46	5.089	5.089	(0.784)	31717	6.58779	6.6
$	83 Chloroform-d	84	5.434	5.445	(0.837)	470398	5.04512	5.0(Q)
$	23 1,2-Dichloroethane-d4	65	6.000	6.010	(0.924)	161073	5.15017	5.2
$	84 Benzene-d6	84	6.021	6.031	(0.598)	906800	5.14584	5.1
*	26 1,4-Difluorobenzene	114	6.492	6.503	(1.000)	729992	5.00000	
$	85 1,2-Dichloropropane-d6	67	6.942	6.953	(0.689)	233978	5.01719	5.0
$	33 Toluene-d8	98	8.231	8.231	(0.817)	770979	4.93647	4.9
$	86 trans-1,3-Dichloropropene-d4	79	8.555	8.555	(0.849)	123201	4.60765	4.6
$	87 2-Hexanone-d5	63	9.110	9.090	(0.904)	9242	3.91108	3.9(aQ)
*	42 Chlorobenzene-d5	117	10.074	10.074	(1.000)	502067	5.00000	
$	88 Bromoform-d	174	11.142	11.142	(0.859)	119601	5.09352	5.1
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.164)	68892	4.85403	4.9
*	78 1,4-Dichlorobenzene-d4	152	12.965	12.965	(1.000)	179285	5.00000	
$	90 1,2-Dichlorobenzene-d4	152	13.404	13.405	(1.034)	141495	5.27960	5.3

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

6/6/08

HZA

6/11/08

0113

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4631.D
Report Date: 06-Jun-2008 11:10

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4631.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4631.D
Lab Smp Id: G0846-07A Client Smp ID: 130173-MW-5-GW
Inj Date : 05-JUN-2008 15:47
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-07A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

6A - FORM VI VOA-1

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: V2 Calibration Date(s): 05/13/2008 05/13/2008

Heated Purge: (Y/N) N Calibration Time(s): 11:54 14:21

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

LAB FILE ID: RRF0.5 = V2K4432.D RRF001 = V2K4433.D

RRF005 = V2K4434.D RRF010 = V2K4435.D RRF025 = V2K4436.D

COMPOUND	RRF0.5	RRF001	RRF005	RRF010	RRF025	RRF	%RSD
Dichlorodifluoromethane	0.136	0.075	0.214	0.140	0.214	0.156	38.1
Chloromethane	0.091	0.291	0.320	0.274	0.281	0.252	36.3
Vinyl chloride	0.151	0.219	0.257	0.230	0.221	0.215	18.2
Bromomethane	0.112	0.142	0.182	0.153	0.142	0.146	17.0
Chloroethane	0.065	0.129	0.162	0.159	0.144	0.132	30.2
Trichlorofluoromethane	0.364	0.412	0.438	0.385	0.394	0.399	7.0
1,1-Dichloroethene	0.178	0.243	0.225	0.197	0.214	0.211	11.9
1,1,2-Trichloro-1,2,2-trifluoroethane	0.397	0.480	0.425	0.358	0.372	0.406	11.9
Acetone	0.023	0.025	0.017	0.017	0.015	0.019	22.3
Carbon disulfide	1.185	1.319	1.318	1.251	1.185	1.252	5.3
Methyl acetate	0.198	0.229	0.154	0.136	0.132	0.170	24.8
Methylene chloride	0.277	0.295	0.287	0.253	0.240	0.270	8.4
trans-1,2-Dichloroethene	0.348	0.332	0.376	0.329	0.324	0.342	6.2
Methyl tert-butyl ether	0.683	0.676	0.757	0.675	0.646	0.687	6.0
1,1-Dichloroethane	0.632	0.691	0.726	0.643	0.610	0.661	7.2
cis-1,2-Dichloroethene	0.340	0.316	0.355	0.310	0.299	0.324	7.0
2-Butanone	0.031	0.028	0.035	0.030	0.029	0.031	8.6
Bromochloromethane	0.097	0.096	0.111	0.096	0.092	0.099	7.4
Chloroform	0.646	0.619	0.619	0.549	0.512	0.589	9.5
1,1,1-Trichloroethane	0.709	0.763	0.780	0.719	0.643	0.723	7.4
Cyclohexane	1.563	1.734	1.598	1.408	1.374	1.535	9.6
Carbon tetrachloride	0.586	0.657	0.665	0.607	0.574	0.618	6.6
Benzene	1.889	1.958	2.020	1.834	1.681	1.876	6.9
1,2-Dichloroethane	0.243	0.251	0.262	0.234	0.223	0.243	6.1
Trichloroethene	0.598	0.576	0.566	0.522	0.512	0.555	6.6
Methylcyclohexane	1.393	1.592	1.521	1.240	1.296	1.409	10.5

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

6B - FORM VI VOA-2

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: V2 Calibration Date(s): 05/13/2008 05/13/2008

Heated Purge: (Y/N) N Calibration Time(s): 11:54 14:21

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

LAB FILE ID: RRF0.5 = V2K4432.D RRF001 = V2K4433.D

RRF005 = V2K4434.D RRF010 = V2K4435.D RRF025 = V2K4436.D

COMPOUND	RRF0.5	RRF001	RRF005	RRF010	RRF025	RRF	%RSD
1,2-Dichloropropane	0.413	0.424	0.448	0.410	0.378	0.415	6.1
Bromodichloromethane	0.397	0.445	0.460	0.442	0.412	0.431	5.9
cis-1,3-Dichloropropene	0.435	0.503	0.540	0.509	0.481	0.494	7.9
4-Methyl-2-pentanone	0.079	0.083	0.102	0.100	0.092	0.091	11.0
Toluene	1.811	1.833	2.020	1.816	1.659	1.828	7.0
trans-1,3-Dichloropropene	0.255	0.291	0.337	0.329	0.313	0.305	10.8
1,1,2-Trichloroethane	0.160	0.147	0.166	0.162	0.145	0.156	5.9
Tetrachloroethene	0.501	0.465	0.498	0.450	0.412	0.466	7.9
2-Hexanone	0.034	0.050	0.063	0.068	0.064	0.056	25.0
Dibromochloromethane	0.170	0.200	0.217	0.205	0.200	0.199	8.6
1,2-Dibromoethane	0.136	0.149	0.158	0.149	0.148	0.148	5.3
Chlorobenzene	1.862	1.526	1.148	1.048	0.931	1.303	29.5
Ethylbenzene	1.944	2.103	2.230	2.078	1.896	2.050	6.5
Xylenes (Total)	0.624	0.659	0.719	0.678	0.635	0.663	5.7
Styrene	0.607	0.621	0.864	0.863	0.834	0.758	17.4
Bromoform	0.212	0.236	0.292	0.250	0.236	0.245	12.0
Isopropylbenzene	1.785	1.954	2.107	1.949	1.819	1.923	6.7
1,1,2,2-Tetrachloroethane	0.129	0.132	0.157	0.150	0.143	0.142	8.4
1,3-Dichlorobenzene	1.475	1.581	1.805	1.554	1.525	1.588	8.0
1,4-Dichlorobenzene	1.696	1.757	1.769	1.637	1.490	1.670	6.8
1,2-Dichlorobenzene	1.134	1.157	1.324	1.218	1.109	1.188	7.2
1,2-Dibromo-3-chloropropane	0.024	0.038	0.042	0.042	0.037	0.037	20.4
1,2,4-Trichlorobenzene	0.231	0.359	0.484	0.514	0.531	0.424	29.9
1,2,3-Trichlorobenzene	0.222	0.223	0.300	0.323	0.321	0.278	18.4

6C - FORM VI VOA-3

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: V2 Calibration Date(s): 05/13/2008 05/13/2008

Heated Purge: (Y/N) N Calibration Time(s): 11:54 14:21

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

LAB FILE ID: RRF0.5 = V2K4432.D RRF001 = V2K4433.D

RRF005 = V2K4434.D RRF010 = V2K4435.D RRF025 = V2K4436.D

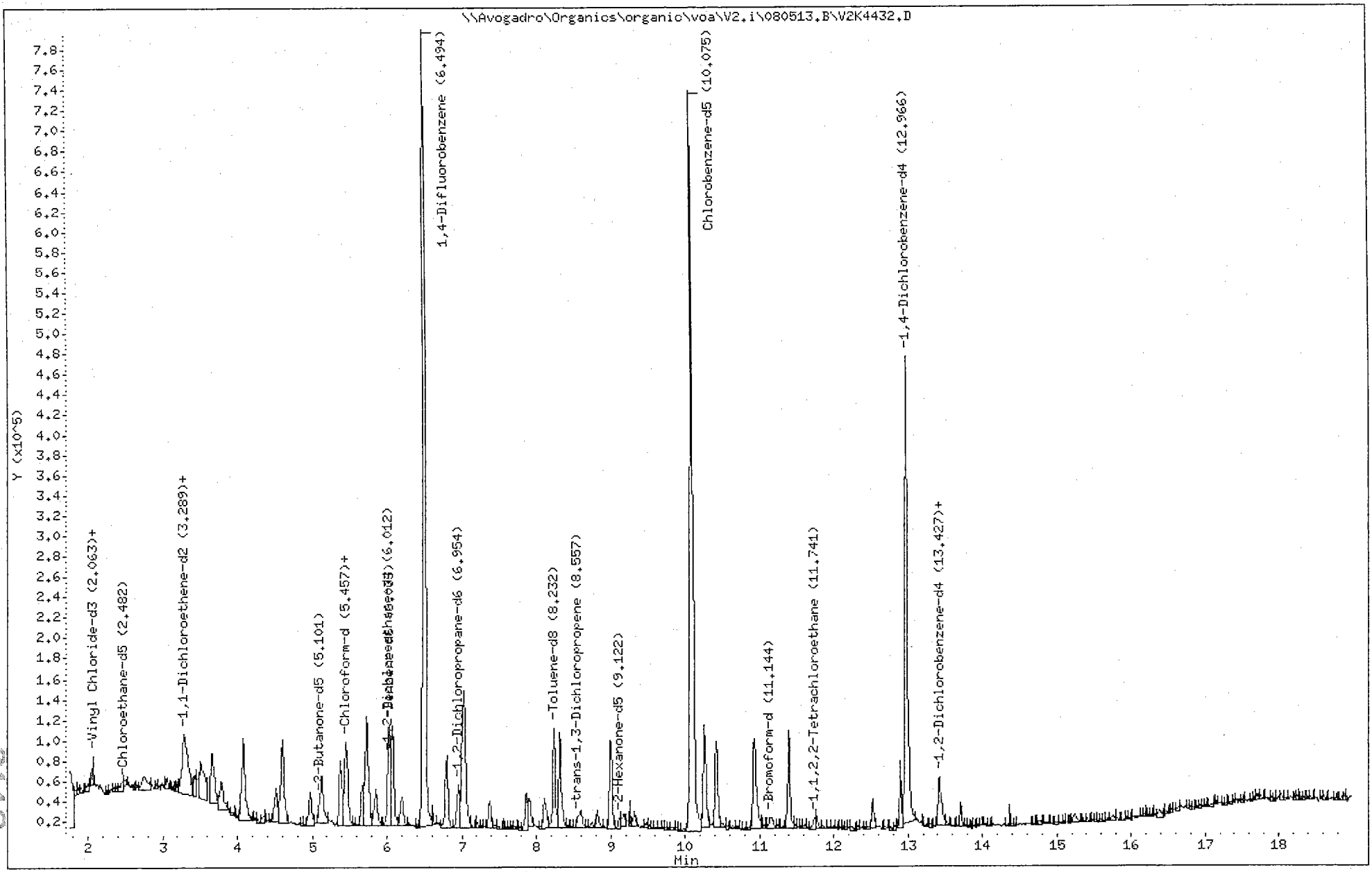
COMPOUND	RRF0.5	RRF001	RRF005	RRF010	RRF025	$\overline{RRF}$	%RSD
Vinyl chloride-d3	0.364	0.371	0.340	0.345	0.386	0.361	5.2
Chloroethane-d5	0.232	0.291	0.239	0.249	0.235	0.249	9.8
1,1-Dichloroethene-d2	0.082	0.102	0.090	0.099	0.104	0.095	9.7
2-Butanone-d5	0.032	0.031	0.036	0.033	0.034	0.033	5.7
Chloroform-d	0.668	0.653	0.642	0.631	0.591	0.637	4.6
1,2-Dichloroethane-d4	0.219	0.219	0.217	0.202	0.194	0.210	5.5
Benzene-d6	2.082	2.060	1.942	1.976	1.819	1.976	5.3
1,2-Dichloropropane-d6	0.512	0.517	0.495	0.499	0.469	0.499	3.8
Toluene-d8	1.755	1.639	1.567	1.622	1.477	1.612	6.3
trans-1,3-Dichloropropene-d4	0.218	0.250	0.247	0.286	0.271	0.255	10.1
2-Hexanone-d5	0.014	0.017	0.025	0.024	0.028	0.022	27.4
Bromoform-d	0.332	0.387	0.666	0.406	0.389	0.436	30.1
1,1,2,2-Tetrachloroethane-d2	0.148	0.156	0.157	0.157	0.154	0.154	2.4
1,2-Dichlorobenzene-d4	0.800	0.762	0.749	0.773	0.718	0.760	4.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4432.D
Date : 13-MAY-2008 11:54
Client ID: VSTD0.520
Sample Info: 25ML,VSTD0.520,VSTD0.520
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i
Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4432.D
Report Date: 15-May-2008 16:24

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4432.D
Lab Smp Id: VSTD0.520 Client Smp ID: VSTD0.520
Inj Date : 13-MAY-2008 11:54
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD0.520,VSTD0.520
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 13:17 Cal File: V2K4434.D
Als bottle: 25 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET103

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.895	1.822	(0.292)	10178	0.50000	0.44(a)
$	79 Vinyl Chloride-d3	65	2.052	2.063	(0.316)	27317	0.50000	0.50
	3 Vinyl Chloride	62	2.063	2.074	(0.318)	11317	0.50000	0.35(aQ)
	4 Bromomethane	94	2.408	2.419	(0.371)	8439	0.50000	0.38(aQ)
$	80 Chloroethane-d5	69	2.482	2.513	(0.382)	17420	0.50000	0.47(a)
	6 Trichlorofluoromethane	101	2.754	2.754	(0.424)	27326	0.50000	0.46(a)
$	81 1,1-Dichloroethene-d2	100	3.278	3.278	(0.505)	6151	0.50000	0.43(aQ)
	7 1,1-Dichloroethene	96	3.288	3.288	(0.506)	13347	0.50000	0.42(aQ)
	8 Freon113	101	3.288	3.299	(0.506)	29801	0.50000	0.49(a)
	9 Acetone	43	3.351	3.351	(0.516)	17409	5.00000	6.0
	10 Carbon Disulfide	76	3.519	3.519	(0.542)	88877	0.50000	0.47(a)
	11 Methyl Acetate	43	3.686	3.686	(0.568)	14861	0.50000	0.58
	12 Methylene Chloride	84	3.791	3.791	(0.584)	20761	0.50000	0.51
	13 trans-1,2-Dichloroethene	96	4.074	4.074	(0.627)	26082	0.50000	0.51
	14 Methyl tert-Butyl Ether	73	4.084	4.074	(0.629)	51226	0.50000	0.50
	15 1,1-Dichloroethane	63	4.514	4.514	(0.695)	47401	0.50000	0.48(a)
$	82 2-Butanone-d5	46	5.100	5.090	(0.785)	24188	5.00000	4.8(a)
	17 cis-1,2-Dichloroethene	96	5.121	5.121	(0.789)	25512	0.50000	0.52(Q)
	16 2-Butanone	43	5.163	5.153	(0.795)	23072	5.00000	5.0
	18 Bromochloromethane	128	5.383	5.383	(0.829)	7300	0.50000	0.49(a)
$	83 Chloroform-d	84	5.446	5.446	(0.839)	50139	0.50000	0.52

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4432.D
Report Date: 15-May-2008 16:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	19 Chloroform	83	5.467	5.467	(0.842)	48482	0.50000	0.55
	20 1,1,1-Trichloroethane	97	5.676	5.676	(0.563)	36006	0.50000	0.49(a)
	21 Cyclohexane	56	5.728	5.729	(0.569)	79398	0.50000	0.51
	22 Carbon Tetrachloride	117	5.854	5.854	(0.581)	29779	0.50000	0.47(a)
$	23 1,2-Dichloroethane-d4	65	6.011	6.012	(0.926)	16431	0.50000	0.52
$	84 Benzene-d6	84	6.032	6.033	(0.599)	105769	0.50000	0.53
	25 Benzene	78	6.074	6.074	(0.603)	95952	0.50000	0.50
	24 1,2-Dichloroethane	62	6.095	6.095	(0.939)	18219	0.50000	0.50
*	26 1,4-Difluorobenzene	114	6.493	6.493	(1.000)	750218	5.00000	
	27 Trichloroethene	95	6.786	6.797	(0.674)	30382	0.50000	0.54
$	85 1,2-Dichloropropane-d6	67	6.943	6.944	(0.689)	26024	0.50000	0.51
	28 Methylcyclohexane	83	7.027	7.017	(0.698)	70771	0.50000	0.49(a)
	29 1,2-Dichloropropane	63	7.048	7.048	(0.700)	20991	0.50000	0.50(T)
	30 Bromodichloromethane	83	7.373	7.373	(0.732)	20173	0.50000	0.46(a)
	31 cis-1,3-Dichloropropene	75	7.907	7.907	(0.785)	22106	0.50000	0.44(a)
	32 4-Methyl-2-Pentanone	43	8.116	8.106	(0.806)	40234	5.00000	4.3(a)
$	33 Toluene-d8	98	8.232	8.232	(0.817)	89143	0.50000	0.54
	34 Toluene	91	8.315	8.316	(0.825)	92007	0.50000	0.50
$	86 trans-1,3-Dichloropropene-d4	79	8.556	8.557	(0.849)	11095	0.50000	0.43(a)
	35 trans-1,3-Dichloropropene	75	8.598	8.588	(0.853)	12966	0.50000	0.42(a)
	36 1,1,2-Trichloroethane	97	8.818	8.818	(0.875)	8107	0.50000	0.51
	37 Tetrachloroethene	164	9.007	8.997	(0.894)	25476	0.50000	0.54
$	87 2-Hexanone-d5	63	9.122	9.091	(0.905)	7068	5.00000	3.2(aQ)
	38 2-Hexanone	43	9.185	9.154	(0.912)	17258	5.00000	3.0(a)
	39 Dibromochloromethane	129	9.321	9.321	(0.925)	8653	0.50000	0.43(a)
	40 1,2-Dibromoethane	107	9.468	9.468	(0.940)	6902	0.50000	0.46(a)
*	42 Chlorobenzene-d5	117	10.075	10.075	(1.000)	508072	5.00000	
	43 Chlorobenzene	112	10.117	10.117	(1.004)	94600	0.50000	0.71
	44 Ethylbenzene	91	10.264	10.264	(1.019)	98757	0.50000	0.47(a)
	45 m,p-Xylene	106	10.421	10.410	(1.034)	36524	1.00000	0.95(a)
	46 o-Xylene	106	10.934	10.924	(1.085)	31692	0.50000	0.47(a)
	47 Styrene	104	10.955	10.945	(1.087)	30848	0.50000	0.40(a)
$	88 Bromoform-d	174	11.154	11.144	(0.860)	5825	0.50000	0.38(a)
	48 Bromoform	173	11.175	11.165	(0.862)	3717	0.50000	0.43(aQ)
	49 Isopropylbenzene	105	11.395	11.395	(1.131)	90687	0.50000	0.46(a)
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.740	11.730	(1.165)	7534	0.50000	0.48(a)
	51 1,1,2,2-Tetrachloroethane	83	11.772	11.762	(1.168)	6562	0.50000	0.45(a)
M	41 Xylene (total)	106				68216	0.50000	1.4
	52 1,3-Dichlorobenzene	146	12.903	12.893	(0.995)	25865	0.50000	0.46(a)
*	78 1,4-Dichlorobenzene-d4	152	12.966	12.966	(1.000)	175383	5.00000	(Q)
	53 1,4-Dichlorobenzene	146	12.997	12.997	(1.002)	29751	0.50000	0.51
$	90 1,2-Dichlorobenzene-d4	152	13.416	13.406	(1.035)	14027	0.50000	0.53
	54 1,2-Dichlorobenzene	146	13.437	13.427	(1.036)	19885	0.50000	0.48(a)
	55 1,2-Dibromo-3-chloropropane	75	14.076	14.307	(1.086)	421	0.50000	0.33(TaQ)
	77 1,2,3-Trichlorobenzene	180	15.762	15.731	(1.216)	3896	0.50000	0.40(a)

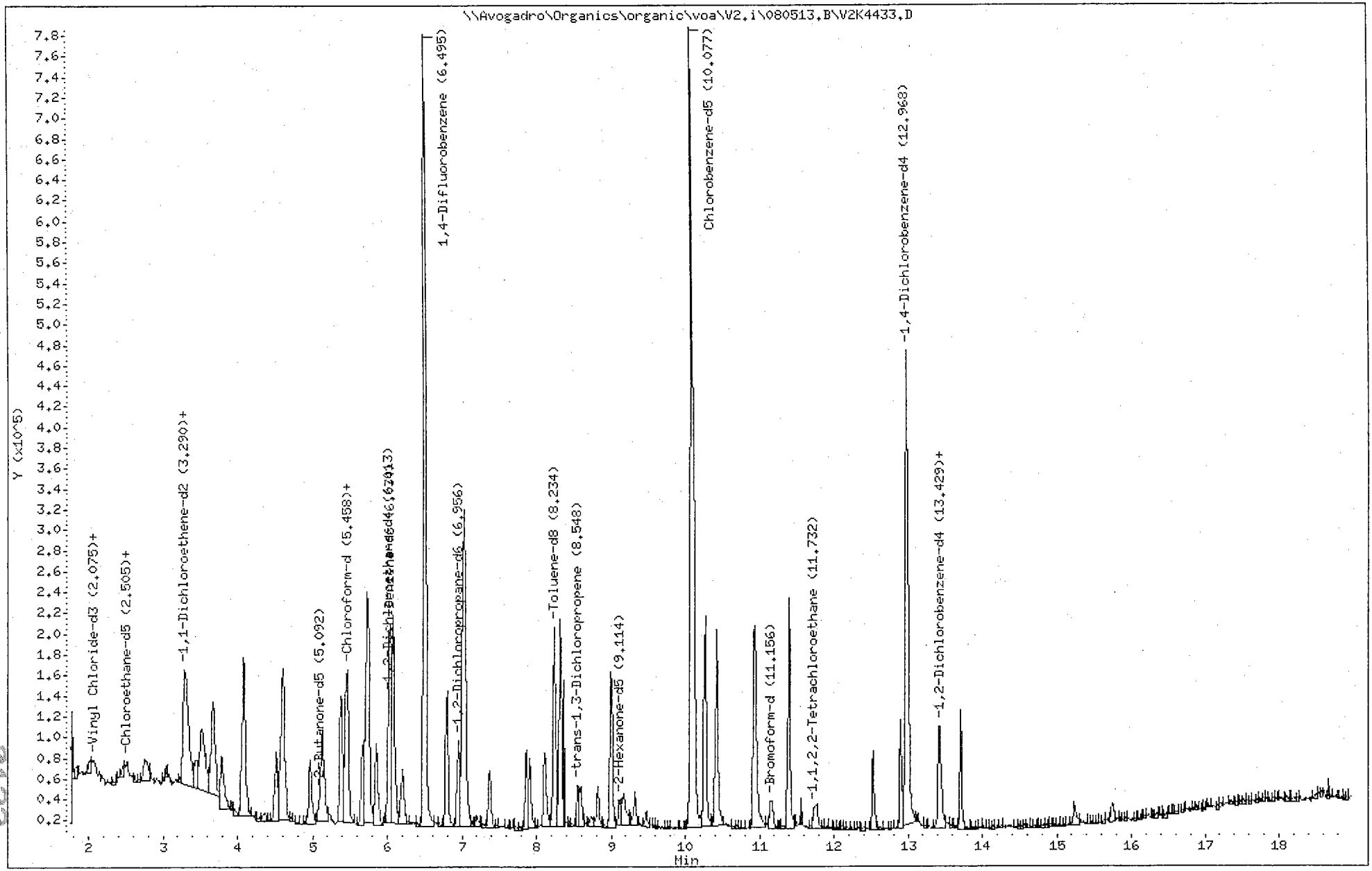
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

WL
5/17/08

AZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4433.D
Date : 13-MAY-2008 12:47
Client ID: VSTD00120
Instrument: V2.i
Sample Info: 25ML,VSTD00120,VSTD00120
Purge Volume: 25.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4433.D
Report Date: 15-May-2008 16:14

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4433.D
Lab Smp Id: VSTD0012O Client Smp ID: VSTD0012O
Inj Date : 13-MAY-2008 12:47
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD0012O,VSTD0012O
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 12:47 Cal File: V2K4433.D
Als bottle: 26 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.834	1.822	(0.282)	10876	1.00000	0.55
2 Chloromethane	50	1.949	1.958	(0.300)	42344	1.00000	3.2(Q)
$ 79 Vinyl Chloride-d3	65	2.075	2.063	(0.320)	53913	1.00000	1.0
3 Vinyl Chloride	62	2.085	2.074	(0.321)	31844	1.00000	1.5(Q)
4 Bromomethane	94	2.410	2.419	(0.371)	20666	1.00000	1.3(Q)
$ 80 Chloroethane-d5	69	2.504	2.513	(0.386)	42359	1.00000	1.3
5 Chloroethane	64	2.504	2.545	(0.386)	18760	1.00000	2.0
6 Trichlorofluoromethane	101	2.756	2.754	(0.424)	59847	1.00000	1.1
$ 81 1,1-Dichloroethene-d2	100	3.279	3.278	(0.505)	14833	1.00000	1.2(Q)
7 1,1-Dichloroethene	96	3.300	3.288	(0.508)	35387	1.00000	1.4(Q)
8 Freon113	101	3.290	3.299	(0.507)	69781	1.00000	1.2
9 Acetone	43	3.353	3.351	(0.516)	36307	10.0000	11
10 Carbon Disulfide	76	3.520	3.519	(0.542)	191759	1.00000	1.1
11 Methyl Acetate	43	3.698	3.686	(0.569)	33257	1.00000	1.2
12 Methylene Chloride	84	3.793	3.791	(0.584)	42816	1.00000	1.1
13 trans-1,2-Dichloroethene	96	4.075	4.074	(0.628)	48214	1.00000	0.95
14 Methyl tert-Butyl Ether	73	4.075	4.074	(0.628)	98222	1.00000	0.99
15 1,1-Dichloroethane	63	4.515	4.514	(0.695)	100495	1.00000	1.1
$ 82 2-Butanone-d5	46	5.091	5.090	(0.784)	45540	10.0000	9.7
17 cis-1,2-Dichloroethene	96	5.133	5.121	(0.790)	45998	1.00000	0.93(Q)
16 2-Butanone	43	5.165	5.153	(0.795)	40859	10.0000	9.1
18 Bromochloromethane	128	5.384	5.383	(0.829)	14014	1.00000	0.99

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4433.D
Report Date: 15-May-2008 16:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.447	5.446	(0.839)	94910	1.00000	0.98
	19 Chloroform	83	5.468	5.467	(0.842)	90029	1.00000	0.96
	20 1,1,1-Trichloroethane	97	5.678	5.676	(0.563)	74907	1.00000	1.1
	21 Cyclohexane	56	5.730	5.729	(0.569)	170254	1.00000	1.1
	22 Carbon Tetrachloride	117	5.856	5.854	(0.581)	64463	1.00000	1.1
$	23 1,2-Dichloroethane-d4	65	6.013	6.012	(0.926)	31766	1.00000	1.00
$	84 Benzene-d6	84	6.034	6.033	(0.599)	202307	1.00000	0.99
	25 Benzene	78	6.076	6.074	(0.603)	192268	1.00000	1.0
	24 1,2-Dichloroethane	62	6.086	6.095	(0.937)	36449	1.00000	1.0
*	26 1,4-Difluorobenzene	114	6.495	6.493	(1.000)	726844	5.00000	
	27 Trichloroethene	95	6.798	6.797	(0.675)	56588	1.00000	0.96
$	85 1,2-Dichloropropane-d6	67	6.956	6.944	(0.690)	50793	1.00000	1.0
	28 Methylcyclohexane	83	7.018	7.017	(0.697)	156348	1.00000	1.1
	29 1,2-Dichloropropane	63	7.050	7.048	(0.700)	41610	1.00000	1.0
	30 Bromodichloromethane	83	7.374	7.373	(0.732)	43721	1.00000	1.1
	31 cis-1,3-Dichloropropene	75	7.909	7.907	(0.785)	49419	1.00000	1.2
	32 4-Methyl-2-Pentanone	43	8.108	8.106	(0.805)	81948	10.0000	11
$	33 Toluene-d8	98	8.233	8.232	(0.817)	160929	1.00000	0.93
	34 Toluene	91	8.317	8.316	(0.825)	179985	1.00000	1.0
$	86 trans-1,3-Dichloropropene-d4	79	8.558	8.557	(0.849)	24571	1.00000	1.1
	35 trans-1,3-Dichloropropene	75	8.600	8.588	(0.853)	28538	1.00000	1.1
	36 1,1,2-Trichloroethane	97	8.820	8.818	(0.875)	14452	1.00000	0.92
	37 Tetrachloroethene	164	8.998	8.997	(0.893)	45698	1.00000	0.93
$	87 2-Hexanone-d5	63	9.113	9.091	(0.904)	16886	10.0000	12
	38 2-Hexanone	43	9.165	9.154	(0.910)	49191	10.0000	15
	39 Dibromochloromethane	129	9.323	9.321	(0.925)	19669	1.00000	1.2(T)
	40 1,2-Dibromoethane	107	9.469	9.468	(0.940)	14616	1.00000	1.1
*	42 Chlorobenzene-d5	117	10.077	10.075	(1.000)	490943	5.00000	
	43 Chlorobenzene	112	10.119	10.117	(1.004)	149805	1.00000	0.82
	44 Ethylbenzene	91	10.265	10.264	(1.019)	206506	1.00000	1.1
	45 m,p-Xylene	106	10.422	10.410	(1.034)	74167	2.00000	2.1(Q)
	46 o-Xylene	106	10.925	10.924	(1.084)	64744	1.00000	1.1
	47 Styrene	104	10.956	10.945	(1.087)	60989	1.00000	1.0
$	88 Bromoform-d	174	11.145	11.144	(0.859)	13379	1.00000	1.2
	48 Bromoform	173	11.176	11.165	(0.861)	8180	1.00000	1.1
	49 Isopropylbenzene	105	11.396	11.395	(1.131)	191903	1.00000	1.1
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.731	11.730	(1.164)	15274	1.00000	1.0
	51 1,1,2,2-Tetrachloroethane	83	11.773	11.762	(1.168)	12921	1.00000	1.0
	52 1,3-Dichlorobenzene	146	12.904	12.893	(0.994)	54742	1.00000	1.1
*	78 1,4-Dichlorobenzene-d4	152	12.978	12.966	(1.000)	173073	5.00000	
	53 1,4-Dichlorobenzene	146	12.999	12.997	(1.002)	60804	1.00000	1.0
$	90 1,2-Dichlorobenzene-d4	152	13.418	13.406	(1.034)	26362	1.00000	0.95
	54 1,2-Dichlorobenzene	146	13.428	13.427	(1.035)	40035	1.00000	1.0
	55 1,2-Dibromo-3-chloropropane	75	14.329	14.307	(1.104)	1306	1.00000	1.6(TQ)
	56 1,2,4-Trichlorobenzene	180	15.230	15.218	(1.174)	12439	1.00000	1.6(Q)
	77 1,2,3-Trichlorobenzene	180	15.753	15.731	(1.214)	7727	1.00000	1.0(Q)

5/12/08

QC Flag Legend

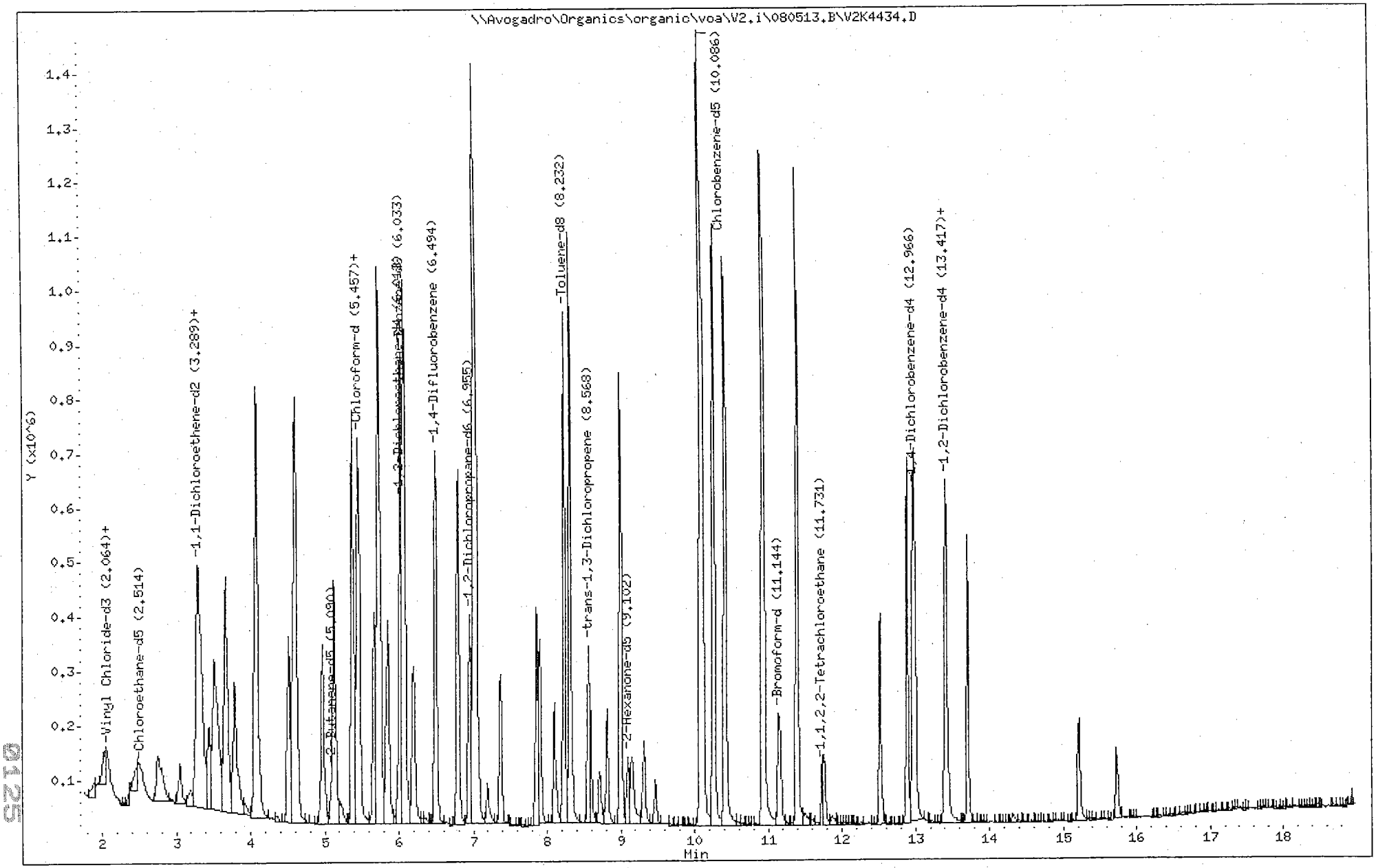
T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.

1429

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4434.D
Date : 13-MAY-2008 13:17
Client ID: VSTD00520
Sample Info: 25ML,VSTD00520,VSTD00520
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4434.D
Report Date: 15-May-2008 16:15

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4434.D
Lab Smp Id: VSTD00520 Client Smp ID: VSTD00520
Inj Date : 13-MAY-2008 13:17
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD00520,VSTD00520
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 13:17 Cal File: V2K4434.D
Als bottle: 27 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.822	1.822	(0.281)	144477	5.00000	10
	2 Chloromethane	50	1.958	1.958	(0.302)	215445	5.00000	8.4
$	79 Vinyl Chloride-d3	65	2.063	2.063	(0.318)	229193	5.00000	4.6
	3 Vinyl Chloride	62	2.074	2.074	(0.319)	172946	5.00000	6.9
	4 Bromomethane	94	2.419	2.419	(0.373)	122448	5.00000	7.1
$	80 Chloroethane-d5	69	2.513	2.513	(0.387)	161162	5.00000	4.6
	5 Chloroethane	64	2.545	2.545	(0.392)	108943	5.00000	8.4(Q)
	6 Trichlorofluoromethane	101	2.754	2.754	(0.424)	294870	5.00000	5.6
$	81 1,1-Dichloroethene-d2	100	3.278	3.278	(0.505)	60403	5.00000	4.9(Q)
	7 1,1-Dichloroethene	96	3.288	3.288	(0.506)	151638	5.00000	5.3
	8 Freon113	101	3.299	3.299	(0.508)	286335	5.00000	4.8
	9 Acetone	43	3.351	3.351	(0.516)	56459	25.0000	17
	10 Carbon Disulfide	76	3.519	3.519	(0.542)	888024	5.00000	5.3
	11 Methyl Acetate	43	3.686	3.686	(0.568)	103773	5.00000	3.6
	12 Methylene Chloride	84	3.791	3.791	(0.584)	193261	5.00000	5.0
	13 trans-1,2-Dichloroethene	96	4.074	4.074	(0.627)	253060	5.00000	5.5
	14 Methyl tert-Butyl Ether	73	4.074	4.074	(0.627)	509935	5.00000	5.6
	15 1,1-Dichloroethane	63	4.514	4.514	(0.695)	489268	5.00000	5.5
$	82 2-Butanone-d5	46	5.090	5.090	(0.784)	122459	25.0000	29
	17 cis-1,2-Dichloroethene	96	5.121	5.121	(0.789)	238992	5.00000	5.4
	16 2-Butanone	43	5.153	5.153	(0.794)	117700	25.0000	30
	18 Bromochloromethane	128	5.383	5.383	(0.829)	74954	5.00000	5.7

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4434.D
Report Date: 15-May-2008 16:15

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
$	83	Chloroform-d	84	5.446	5.446	(0.839)	432794	5.00000	4.9
	19	Chloroform	83	5.467	5.467	(0.842)	416974	5.00000	4.9
	20	1,1,1-Trichloroethane	97	5.676	5.676	(0.563)	371225	5.00000	5.3
	21	Cyclohexane	56	5.729	5.729	(0.569)	760331	5.00000	4.8
	22	Carbon Tetrachloride	117	5.854	5.854	(0.581)	316198	5.00000	5.3
$	23	1,2-Dichloroethane-d4	65	6.012	6.012	(0.926)	146200	5.00000	5.0
$	84	Benzene-d6	84	6.033	6.033	(0.599)	923707	5.00000	4.7
	25	Benzene	78	6.074	6.074	(0.603)	961065	5.00000	5.3
	24	1,2-Dichloroethane	62	6.095	6.095	(0.939)	176290	5.00000	5.3
*	26	1,4-Difluorobenzene	114	6.493	6.493	(1.000)	673646	5.00000	
	27	Trichloroethene	95	6.797	6.797	(0.675)	269214	5.00000	4.8
$	85	1,2-Dichloropropane-d6	67	6.944	6.944	(0.689)	235470	5.00000	4.8
	28	Methylcyclohexane	83	7.017	7.017	(0.696)	723693	5.00000	5.1
	29	1,2-Dichloropropane	63	7.048	7.048	(0.700)	213230	5.00000	5.4
	30	Bromodichloromethane	83	7.373	7.373	(0.732)	218624	5.00000	5.5
	31	cis-1,3-Dichloropropene	75	7.907	7.907	(0.785)	257096	5.00000	5.8
	32	4-Methyl-2-Pentanone	43	8.106	8.106	(0.805)	243361	25.0000	31
$	33	Toluene-d8	98	8.232	8.232	(0.817)	745235	5.00000	4.6
	34	Toluene	91	8.316	8.316	(0.825)	960754	5.00000	5.5
$	86	trans-1,3-Dichloropropene-d4	79	8.557	8.557	(0.849)	117630	5.00000	5.3
	35	trans-1,3-Dichloropropene	75	8.588	8.588	(0.852)	160366	5.00000	6.2
	36	1,1,2-Trichloroethane	97	8.818	8.818	(0.875)	79067	5.00000	5.4
	37	Tetrachloroethene	164	8.997	8.997	(0.893)	237134	5.00000	5.2
$	87	2-Hexanone-d5	63	9.091	9.091	(0.902)	60048	25.0000	41(Q)
	38	2-Hexanone	43	9.154	9.154	(0.909)	149819	25.0000	37
	39	Dibromochloromethane	129	9.321	9.321	(0.925)	103021	5.00000	5.8
	40	1,2-Dibromoethane	107	9.468	9.468	(0.940)	75050	5.00000	5.5
*	42	Chlorobenzene-d5	117	10.075	10.075	(1.000)	475715	5.00000	
	43	Chlorobenzene	112	10.117	10.117	(1.004)	545941	5.00000	3.4
	44	Ethylbenzene	91	10.264	10.264	(1.019)	1060908	5.00000	5.5
	45	m,p-Xylene	106	10.410	10.410	(1.033)	387562	10.0000	11
	46	o-Xylene	106	10.924	10.924	(1.084)	342103	5.00000	5.6
	47	Styrene	104	10.945	10.945	(1.086)	411069	5.00000	7.0
$	88	Bromoform-d	174	11.144	11.144	(0.859)	119219	5.00000	9.3
	48	Bromoform	173	11.165	11.165	(0.861)	52234	5.00000	6.5
	49	Isopropylbenzene	105	11.395	11.395	(1.131)	1002479	5.00000	5.6
$	89	1,1,2,2-Tetrachloroethane-d2	84	11.730	11.730	(1.164)	74710	5.00000	5.2
	51	1,1,2,2-Tetrachloroethane	83	11.762	11.762	(1.167)	74919	5.00000	6.0
	52	1,3-Dichlorobenzene	146	12.893	12.893	(0.994)	323210	5.00000	5.9
*	78	1,4-Dichlorobenzene-d4	152	12.966	12.966	(1.000)	179111	5.00000	
	53	1,4-Dichlorobenzene	146	12.997	12.997	(1.002)	316922	5.00000	5.1
$	90	1,2-Dichlorobenzene-d4	152	13.406	13.406	(1.034)	134102	5.00000	4.8
	54	1,2-Dichlorobenzene	146	13.427	13.427	(1.036)	237161	5.00000	5.8
	55	1,2-Dibromo-3-chloropropane	75	14.307	14.307	(1.103)	7525	5.00000	6.8(Q)
	56	1,2,4-Trichlorobenzene	180	15.218	15.218	(1.174)	86682	5.00000	8.2
	77	1,2,3-Trichlorobenzene	180	15.731	15.731	(1.213)	53740	5.00000	6.7

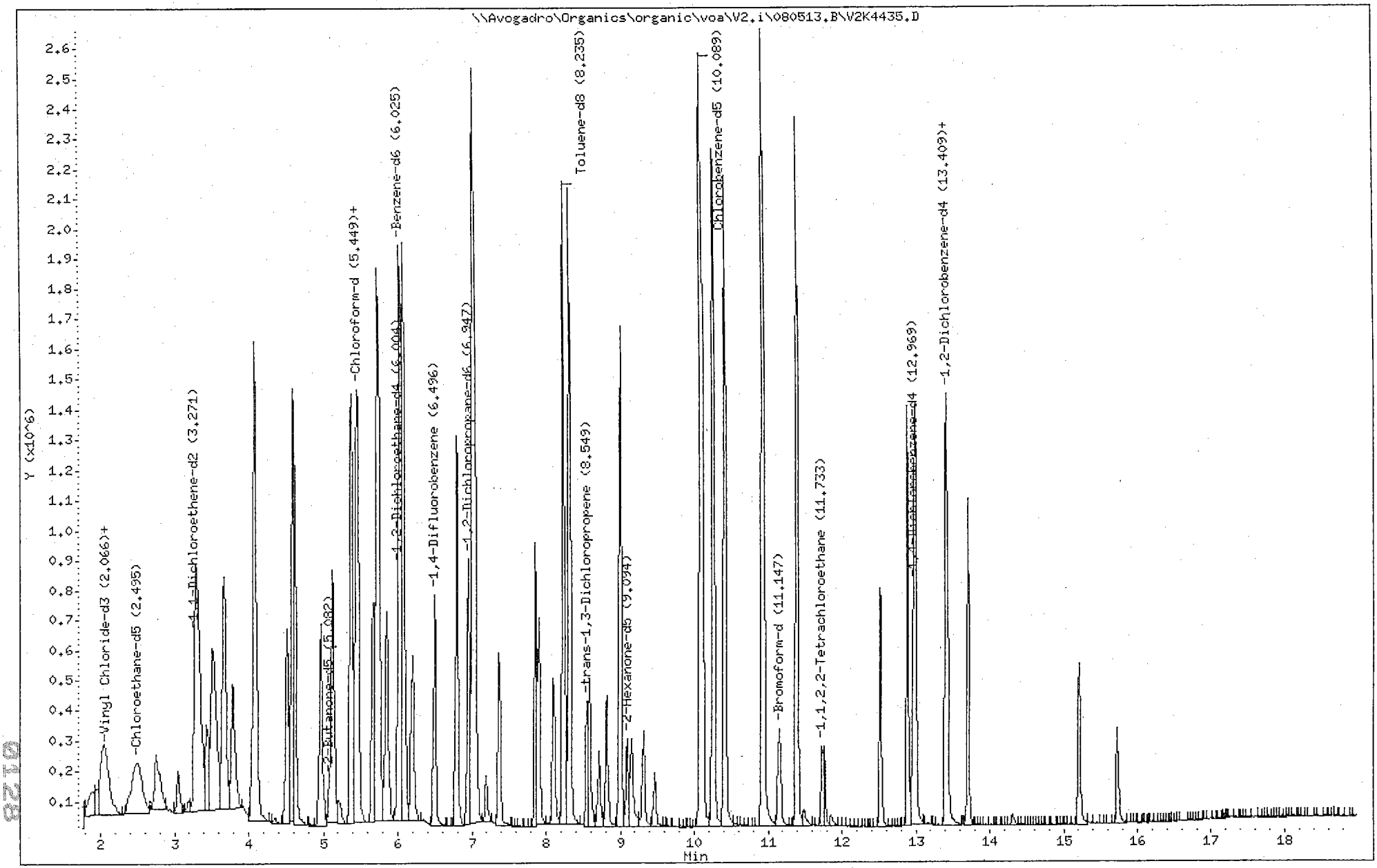
5/15/08

HZA

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4435.D
Date : 13-MAY-2008 13:49
Client ID: VSTD01020
Instrument: V2.i
Sample Info: 25ML,VSTD01020,VSTD01020
Purge Volume: 25.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4435.D
Report Date: 15-May-2008 16:15

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4435.D
Lab Smp Id: VSTD0102O Client Smp ID: VSTD0102O
Inj Date : 13-MAY-2008 13:49
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD0102O,VSTD0102O
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 13:17 Cal File: V2K4434.D
Als bottle: 28 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.846	1.822	(0.284)	210476	10.0000	9.9
	2 Chloromethane	50	1.961	1.958	(0.302)	412772	10.0000	12
$	79 Vinyl Chloride-d3	65	2.066	2.063	(0.318)	519957	10.0000	9.6
	3 Vinyl Chloride	62	2.076	2.074	(0.320)	345915	10.0000	11
	4 Bromomethane	94	2.422	2.419	(0.373)	230492	10.0000	11(Q)
$	80 Chloroethane-d5	69	2.505	2.513	(0.386)	374999	10.0000	9.8
	5 Chloroethane	64	2.537	2.545	(0.391)	239940	10.0000	13
	6 Trichlorofluoromethane	101	2.757	2.754	(0.424)	579929	10.0000	9.5
$	81 1,1-Dichloroethene-d2	100	3.270	3.278	(0.503)	149448	10.0000	11(Q)
	7 1,1-Dichloroethene	96	3.291	3.288	(0.507)	296974	10.0000	9.2(Q)
	8 Freon113	101	3.291	3.299	(0.507)	539101	10.0000	8.2
	9 Acetone	43	3.354	3.351	(0.516)	130587	50.0000	40
	10 Carbon Disulfide	76	3.521	3.519	(0.542)	1883804	10.0000	9.8
	11 Methyl Acetate	43	3.689	3.686	(0.568)	204999	10.0000	7.0
	12 Methylene Chloride	84	3.783	3.791	(0.582)	381176	10.0000	8.9
	13 trans-1,2-Dichloroethene	96	4.076	4.074	(0.628)	495167	10.0000	9.4
	14 Methyl tert-Butyl Ether	73	4.076	4.074	(0.628)	1016439	10.0000	9.6
	15 1,1-Dichloroethane	63	4.506	4.514	(0.694)	968050	10.0000	9.4
$	82 2-Butanone-d5	46	5.082	5.090	(0.782)	251353	50.0000	50
	17 cis-1,2-Dichloroethene	96	5.124	5.121	(0.789)	467035	10.0000	9.2
	16 2-Butanone	43	5.145	5.153	(0.792)	225553	50.0000	48
	18 Bromochloromethane	128	5.386	5.383	(0.829)	145151	10.0000	9.5

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4435.D
Report Date: 15-May-2008 16:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.449	5.446	(0.839)	949226	10.0000	9.6
	19 Chloroform	83	5.459	5.467	(0.840)	826509	10.0000	8.7
	20 1,1,1-Trichloroethane	97	5.668	5.676	(0.562)	737531	10.0000	9.6
	21 Cyclohexane	56	5.731	5.729	(0.569)	1444623	10.0000	8.6
	22 Carbon Tetrachloride	117	5.857	5.854	(0.581)	622806	10.0000	9.5
$	23 1,2-Dichloroethane-d4	65	6.004	6.012	(0.924)	304293	10.0000	9.3
$	84 Benzene-d6	84	6.025	6.033	(0.598)	2028353	10.0000	9.7
	25 Benzene	78	6.066	6.074	(0.602)	1882625	10.0000	9.4
	24 1,2-Dichloroethane	62	6.087	6.095	(0.937)	352166	10.0000	9.3
*	26 1,4-Difluorobenzene	114	6.496	6.493	(1.000)	752684	5.00000	
	27 Trichloroethene	95	6.789	6.797	(0.674)	536081	10.0000	9.0
$	85 1,2-Dichloropropane-d6	67	6.946	6.944	(0.689)	512399	10.0000	9.8
	28 Methylcyclohexane	83	7.020	7.017	(0.697)	1273090	10.0000	8.3
	29 1,2-Dichloropropane	63	7.051	7.048	(0.700)	421057	10.0000	9.6
	30 Bromodichloromethane	83	7.365	7.373	(0.731)	453341	10.0000	10
	31 cis-1,3-Dichloropropene	75	7.910	7.907	(0.785)	522033	10.0000	10
	32 4-Methyl-2-Pentanone	43	8.098	8.106	(0.804)	511516	50.0000	56
$	33 Toluene-d8	98	8.234	8.232	(0.817)	1664879	10.0000	9.8
	34 Toluene	91	8.318	8.316	(0.825)	1864000	10.0000	9.6
$	86 trans-1,3-Dichloropropene-d4	79	8.549	8.557	(0.848)	293627	10.0000	12
	35 trans-1,3-Dichloropropene	75	8.591	8.588	(0.852)	337851	10.0000	11
	36 1,1,2-Trichloroethane	97	8.821	8.818	(0.875)	165884	10.0000	10
	37 Tetrachloroethene	164	8.999	8.997	(0.893)	462275	10.0000	9.2
$	87 2-Hexanone-d5	63	9.093	9.091	(0.902)	124836	50.0000	65
	38 2-Hexanone	43	9.156	9.154	(0.909)	348266	50.0000	69
	39 Dibromochloromethane	129	9.313	9.321	(0.924)	210759	10.0000	10
	40 1,2-Dibromoethane	107	9.470	9.468	(0.940)	152698	10.0000	10
*	42 Chlorobenzene-d5	117	10.078	10.075	(1.000)	513153	5.00000	
	43 Chlorobenzene	112	10.109	10.117	(1.003)	1075782	10.0000	6.9
	44 Ethylbenzene	91	10.256	10.264	(1.018)	2132927	10.0000	9.9
	45 m,p-Xylene	106	10.413	10.410	(1.033)	792458	20.0000	20
	46 o-Xylene	106	10.926	10.924	(1.084)	696207	10.0000	10
	47 Styrene	104	10.947	10.945	(1.086)	885348	10.0000	12
$	88 Bromoform-d	174	11.146	11.144	(0.859)	165222	10.0000	8.8
	48 Bromoform	173	11.167	11.165	(0.861)	101758	10.0000	10
	49 Isopropylbenzene	105	11.397	11.395	(1.131)	2000132	10.0000	10
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.733	11.730	(1.164)	161173	10.0000	10
	51 1,1,2,2-Tetrachloroethane	83	11.764	11.762	(1.167)	153762	10.0000	11
	52 1,3-Dichlorobenzene	146	12.885	12.893	(0.994)	632039	10.0000	9.6
*	78 1,4-Dichlorobenzene-d4	152	12.968	12.966	(1.000)	203414	5.00000	
	53 1,4-Dichlorobenzene	146	12.989	12.997	(1.002)	666126	10.0000	9.4
$	90 1,2-Dichlorobenzene-d4	152	13.398	13.406	(1.033)	314296	10.0000	10
	54 1,2-Dichlorobenzene	146	13.419	13.427	(1.035)	495702	10.0000	10
	55 1,2-Dibromo-3-chloropropane	75	14.309	14.307	(1.103)	17244	10.0000	12
	56 1,2,4-Trichlorobenzene	180	15.210	15.218	(1.173)	209139	10.0000	14
	77 1,2,3-Trichlorobenzene	180	15.733	15.731	(1.213)	131489	10.0000	13

QC Flag Legend

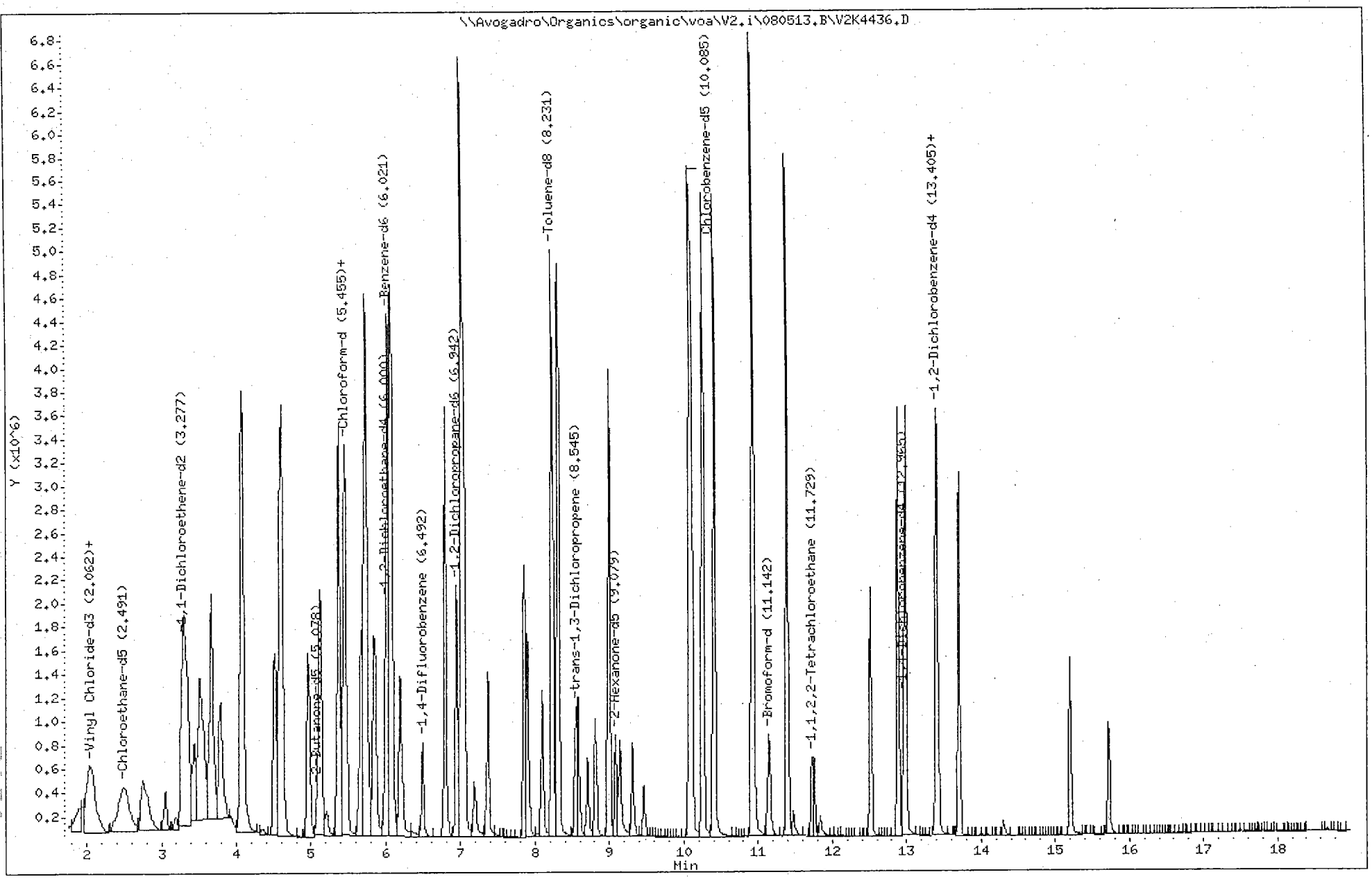
Q - Qualifier signal failed the ratio test.

5/15/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4436.D
Date : 13-MAY-2008 14:21
Client ID: VSTD02520
Sample Info: 25ML,VSTD02520,VSTD02520
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i
Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4436.D
Report Date: 15-May-2008 16:15

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4436.D
Lab Smp Id: VSTD02520 Client Smp ID: VSTD02520
Inj Date : 13-MAY-2008 14:21
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD02520,VSTD02520
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 13:17 Cal File: V2K4434.D
Als bottle: 29 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.862	1.822	(0.287)	800292	25.0000	38(A)
	2 Chloromethane	50	1.946	1.958	(0.300)	1050380	25.0000	29(A)
$	79 Vinyl Chloride-d3	65	2.061	2.063	(0.318)	1442298	25.0000	27(A)
	3 Vinyl Chloride	62	2.072	2.074	(0.319)	824033	25.0000	26(A)
	4 Bromomethane	94	2.428	2.419	(0.374)	530243	25.0000	24
$	80 Chloroethane-d5	69	2.501	2.513	(0.385)	876535	25.0000	23
	5 Chloroethane	64	2.533	2.545	(0.390)	539709	25.0000	28(A)
	6 Trichlorofluoromethane	101	2.753	2.754	(0.424)	1473758	25.0000	25
$	81 1,1-Dichloroethene-d2	100	3.276	3.278	(0.505)	387409	25.0000	28(A)
	7 1,1-Dichloroethene	96	3.287	3.288	(0.506)	798021	25.0000	25
	8 Freon113	101	3.308	3.299	(0.510)	1387994	25.0000	22
	9 Acetone	43	3.350	3.351	(0.516)	281531	125.000	92
	10 Carbon Disulfide	76	3.517	3.519	(0.542)	4428008	25.0000	23
	11 Methyl Acetate	43	3.685	3.686	(0.568)	492672	25.0000	18
	12 Methylene Chloride	84	3.789	3.791	(0.584)	898230	25.0000	22
	13 trans-1,2-Dichloroethene	96	4.072	4.074	(0.627)	1209903	25.0000	23
	14 Methyl tert-Butyl Ether	73	4.072	4.074	(0.627)	2411938	25.0000	23
	15 1,1-Dichloroethane	63	4.512	4.514	(0.695)	2279186	25.0000	23
$	82 2-Butanone-d5	46	5.078	5.090	(0.782)	630578	125.000	130(A)
	17 cis-1,2-Dichloroethene	96	5.120	5.121	(0.789)	1118566	25.0000	23
	16 2-Butanone	43	5.141	5.153	(0.792)	545098	125.000	120
	18 Bromochloromethane	128	5.381	5.383	(0.829)	344417	25.0000	23

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4436.D
Report Date: 15-May-2008 16:15

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83	Chloroform-d	84	5.444	5.446	(0.839)	2209602	25.0000	23
	19	Chloroform	83	5.465	5.467	(0.842)	1913933	25.0000	21
	20	1,1,1-Trichloroethane	97	5.664	5.676	(0.562)	1698245	25.0000	22
	21	Cyclohexane	56	5.727	5.729	(0.569)	3628504	25.0000	22
	22	Carbon Tetrachloride	117	5.853	5.854	(0.581)	1516805	25.0000	23
$	23	1,2-Dichloroethane-d4	65	5.999	6.012	(0.924)	723140	25.0000	23
$	84	Benzene-d6	84	6.020	6.033	(0.598)	4802971	25.0000	23
	25	Benzene	78	6.073	6.074	(0.603)	4438080	25.0000	22
	24	1,2-Dichloroethane	62	6.083	6.095	(0.937)	834365	25.0000	23
*	26	1,4-Difluorobenzene	114	6.492	6.493	(1.000)	747158	5.00000	
	27	Trichloroethene	95	6.785	6.797	(0.674)	1352196	25.0000	23
$	85	1,2-Dichloropropane-d6	67	6.942	6.944	(0.689)	1237705	25.0000	23
	28	Methylcyclohexane	83	7.015	7.017	(0.696)	3423138	25.0000	23
	29	1,2-Dichloropropane	63	7.047	7.048	(0.700)	998050	25.0000	22
	30	Bromodichloromethane	83	7.361	7.373	(0.731)	1089113	25.0000	24
	31	cis-1,3-Dichloropropene	75	7.895	7.907	(0.784)	1269056	25.0000	24
	32	4-Methyl-2-Pentanone	43	8.094	8.106	(0.803)	1217114	125.000	130(A)
$	33	Toluene-d8	98	8.230	8.232	(0.817)	3900166	25.0000	22
	34	Toluene	91	8.314	8.316	(0.825)	4380978	25.0000	22
$	86	trans-1,3-Dichloropropene-d4	79	8.544	8.557	(0.848)	714384	25.0000	27(A)
	35	trans-1,3-Dichloropropene	75	8.586	8.588	(0.852)	827761	25.0000	26(A)
	36	1,1,2-Trichloroethane	97	8.817	8.818	(0.875)	384054	25.0000	23
	37	Tetrachloroethene	164	8.995	8.997	(0.893)	1088985	25.0000	22
$	87	2-Hexanone-d5	63	9.079	9.091	(0.901)	371538	125.000	170(AQ)
	38	2-Hexanone	43	9.141	9.154	(0.907)	850736	125.000	150(A)
	39	Dibromochloromethane	129	9.309	9.321	(0.924)	528878	25.0000	25
	40	1,2-Dibromoethane	107	9.466	9.468	(0.940)	390750	25.0000	25
*	42	Chlorobenzene-d5	117	10.074	10.075	(1.000)	528083	5.00000	
	43	Chlorobenzene	112	10.105	10.117	(1.003)	2458682	25.0000	17
	44	Ethylbenzene	91	10.252	10.264	(1.018)	5007172	25.0000	23
	45	m,p-Xylene	106	10.409	10.410	(1.033)	1946429	50.0000	48
	46	o-Xylene	106	10.922	10.924	(1.084)	1676726	25.0000	24
	47	Styrene	104	10.943	10.945	(1.086)	2202951	25.0000	28(A)
$	88	Bromoform-d	174	11.142	11.144	(0.859)	431475	25.0000	22
	48	Bromoform	173	11.163	11.165	(0.861)	261200	25.0000	24
	49	Isopropylbenzene	105	11.393	11.395	(1.131)	4801946	25.0000	23
$	89	1,1,2,2-Tetrachloroethane-d2	84	11.728	11.730	(1.164)	407509	25.0000	25
	51	1,1,2,2-Tetrachloroethane	83	11.760	11.762	(1.167)	377840	25.0000	25
	52	1,3-Dichlorobenzene	146	12.880	12.893	(0.994)	1690810	25.0000	24
*	78	1,4-Dichlorobenzene-d4	152	12.964	12.966	(1.000)	221673	5.00000	(Q)
	53	1,4-Dichlorobenzene	146	12.985	12.997	(1.002)	1651124	25.0000	22
$	90	1,2-Dichlorobenzene-d4	152	13.394	13.406	(1.033)	796098	25.0000	23
	54	1,2-Dichlorobenzene	146	13.415	13.427	(1.035)	1228962	25.0000	23
	55	1,2-Dibromo-3-chloropropane	75	14.305	14.307	(1.103)	40798	25.0000	25
	56	1,2,4-Trichlorobenzene	180	15.206	15.218	(1.173)	588482	25.0000	33(A)
	77	1,2,3-Trichlorobenzene	180	15.729	15.731	(1.213)	355613	25.0000	30(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

5/15/08

MZA

7A - FORM VII VOA-1

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: V2 Calibration Date: 06/05/2008 Time: 10:05

Lab File ID: V2K4622.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.156	0.124		-20.6	
Chloromethane	0.252	0.258		2.6	
Vinyl chloride	0.215	0.217	0.100	0.5	30.0
Bromomethane	0.146	0.119	0.100	-18.7	30.0
Chloroethane	0.132	0.132		-0.1	
Trichlorofluoromethane	0.399	0.399		0.0	
1,1-Dichloroethene	0.211	0.192	0.100	-9.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.406	0.360		-11.3	
Acetone	0.019	0.022		11.6	
Carbon disulfide	1.252	1.189		-5.0	
Methyl acetate	0.170	0.148		-12.7	
Methylene chloride	0.270	0.254		-5.9	
trans-1,2-Dichloroethene	0.342	0.340		-0.5	
Methyl tert-butyl ether	0.687	0.696		1.3	
1,1-Dichloroethane	0.661	0.648	0.200	-1.9	30.0
cis-1,2-Dichloroethene	0.324	0.310		-4.4	
2-Butanone	0.031	0.030		-1.8	
Bromochloromethane	0.099	0.100	0.050	1.2	30.0
Chloroform	0.589	0.576	0.200	-2.3	30.0
1,1,1-Trichloroethane	0.723	0.737	0.100	1.9	30.0
Cyclohexane	1.535	1.295		-15.7	
Carbon tetrachloride	0.618	0.650	0.100	5.2	30.0
Benzene	1.876	1.731	0.400	-7.8	30.0
1,2-Dichloroethane	0.243	0.256	0.100	5.5	30.0
Trichloroethene	0.555	0.521	0.300	-6.0	30.0
Methylcyclohexane	1.409	1.198		-15.0	

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

7B - FORM VII VOA-2

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: V2 Calibration Date: 06/05/2008 Time: 10:05

Lab File ID: V2K4622.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.415	0.374		-9.7	
Bromodichloromethane	0.431	0.435	0.200	0.9	30.0
cis-1,3-Dichloropropene	0.494	0.482	0.200	-2.3	30.0
4-Methyl-2-pentanone	0.091	0.094		2.9	
Toluene	1.828	1.782	0.400	-2.5	30.0
trans-1,3-Dichloropropene	0.305	0.317	0.100	3.9	30.0
1,1,2-Trichloroethane	0.156	0.156	0.100	-0.1	30.0
Tetrachloroethene	0.466	0.460	0.100	-1.2	30.0
2-Hexanone	0.056	0.056		-0.3	
Dibromochloromethane	0.199	0.216	0.100	9.0	30.0
1,2-Dibromoethane	0.148	0.155	0.100	4.7	30.0
Chlorobenzene	1.303	0.991	0.500	-23.9	30.0
Ethylbenzene	2.050	2.031	0.100	-0.9	30.0
Xylenes (Total)	0.663	0.655	0.300	-1.3	30.0
Styrene	0.758	0.815	0.300	7.6	30.0
Bromoform	0.245	0.274	0.050	11.8	30.0
Isopropylbenzene	1.923	1.974		2.6	
1,1,2,2-Tetrachloroethane	0.142	0.142	0.100	0.2	30.0
1,3-Dichlorobenzene	1.588	1.651	0.400	4.0	30.0
1,4-Dichlorobenzene	1.670	1.593	0.400	-4.6	30.0
1,2-Dichlorobenzene	1.188	1.165	0.400	-2.0	30.0
1,2-Dibromo-3-chloropropane	0.037	0.044		20.0	
1,2,4-Trichlorobenzene	0.424	0.477	0.200	12.5	30.0
1,2,3-Trichlorobenzene	0.278	0.302	0.200	8.7	30.0

7C - FORM VII VOA-3

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: V2 Calibration Date: 06/05/2008 Time: 10:05

Lab File ID: V2K4622.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.361	0.353		-2.4	
Chloroethane-d5	0.249	0.221		-11.3	
1,1-Dichloroethene-d2	0.095	0.101		6.0	
2-Butanone-d5	0.033	0.033		-1.3	
Chloroform-d	0.637	0.639		0.2	
1,2-Dichloroethane-d4	0.210	0.214		2.0	
Benzene-d6	1.976	1.755		-11.2	
1,2-Dichloropropane-d6	0.499	0.464		-6.8	
Toluene-d8	1.612	1.555		-3.5	
trans-1,3-Dichloropropene-d4	0.255	0.266		4.6	
2-Hexanone-d5	0.022	0.024		8.1	
Bromoform-d	0.436	0.655		50.2	
1,1,2,2-Tetrachloroethane-d2	0.154	0.141		-8.5	
1,2-Dichlorobenzene-d4	0.760	0.747		-1.7	

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

EPA OLC

7A - FORM VII VOA-1

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: V2 Calibration Date: 06/06/2008 Time: 9:11

Lab File ID: V2K4642.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF005	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.156	0.182		16.9	
Chloromethane	0.252	0.246		-2.0	
Vinyl chloride	0.215	0.186	0.100	-13.9	30.0
Bromomethane	0.146	0.143	0.100	-2.5	30.0
Chloroethane	0.132	0.124		-5.6	
Trichlorofluoromethane	0.399	0.398		-0.2	
1,1-Dichloroethene	0.211	0.194	0.100	-8.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.406	0.374		-7.9	
Acetone	0.019	0.020		3.1	
Carbon disulfide	1.252	1.111		-11.3	
Methyl acetate	0.170	0.112		-34.2	
Methylene chloride	0.270	0.217		-19.9	
trans-1,2-Dichloroethene	0.342	0.279		-18.4	
Methyl tert-butyl ether	0.687	0.621		-9.6	
1,1-Dichloroethane	0.661	0.592	0.200	-10.3	30.0
cis-1,2-Dichloroethene	0.324	0.265		-18.4	
2-Butanone	0.031	0.027		-13.2	
Bromochloromethane	0.099	0.085	0.050	-14.3	30.0
Chloroform	0.589	0.543	0.200	-7.9	30.0
1,1,1-Trichloroethane	0.723	0.717	0.100	-0.8	30.0
Cyclohexane	1.535	1.277		-16.8	
Carbon tetrachloride	0.618	0.616	0.100	-0.2	30.0
Benzene	1.876	1.584	0.400	-15.6	30.0
1,2-Dichloroethane	0.243	0.249	0.100	2.5	30.0
Trichloroethene	0.555	0.470	0.300	-15.4	30.0
Methylcyclohexane	1.409	1.191		-15.5	

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

7B - FORM VII VOA-2

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: V2 Calibration Date: 06/06/2008 Time: 9:11

Lab File ID: V2K4642.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.415	0.348		-16.1	
Bromodichloromethane	0.431	0.414	0.200	-4.1	30.0
cis-1,3-Dichloropropene	0.494	0.431	0.200	-12.6	30.0
4-Methyl-2-pentanone	0.091	0.076		-17.2	
Toluene	1.828	1.565	0.400	-14.4	30.0
trans-1,3-Dichloropropene	0.305	0.288	0.100	-5.5	30.0
1,1,2-Trichloroethane	0.156	0.134	0.100	-14.0	30.0
Tetrachloroethene	0.466	0.411	0.100	-11.6	30.0
2-Hexanone	0.056	0.047		-15.4	
Dibromochloromethane	0.199	0.188	0.100	-5.1	30.0
1,2-Dibromoethane	0.148	0.133	0.100	-10.1	30.0
Chlorobenzene	1.303	0.869	0.500	-33.3	30.0
Ethylbenzene	2.050	1.828	0.100	-10.8	30.0
Xylenes (Total)	0.663	1.241	0.300	87.1	30.0
Styrene	0.758	0.713	0.300	-5.9	30.0
Bromoform	0.245	0.247	0.050	0.7	30.0
Isopropylbenzene	1.923	1.797		-6.5	
1,1,2,2-Tetrachloroethane	0.142	0.118	0.100	-17.1	30.0
1,3-Dichlorobenzene	1.588	1.477	0.400	-7.0	30.0
1,4-Dichlorobenzene	1.670	1.499	0.400	-10.3	30.0
1,2-Dichlorobenzene	1.188	1.062	0.400	-10.6	30.0
1,2-Dibromo-3-chloropropane	0.037	0.032		-13.5	
1,2,4-Trichlorobenzene	0.424	0.417	0.200	-1.7	30.0
1,2,3-Trichlorobenzene	0.278	0.276	0.200	-0.7	30.0

7C - FORM VII VOA-3

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: V2 Calibration Date: 06/06/2008 Time: 9:11

Lab File ID: V2K4642.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.361	0.360		-0.5	
Chloroethane-d5	0.249	0.246		-1.1	
1,1-Dichloroethene-d2	0.095	0.096		0.8	
2-Butanone-d5	0.033	0.029		-14.4	
Chloroform-d	0.637	0.684		7.4	
1,2-Dichloroethane-d4	0.210	0.238		13.5	
Benzene-d6	1.976	1.977		0.1	
1,2-Dichloropropane-d6	0.499	0.438		-12.2	
Toluene-d8	1.612	1.572		-2.5	
trans-1,3-Dichloropropene-d4	0.255	0.274		7.8	
2-Hexanone-d5	0.022	0.018		-15.6	
Bromoform-d	0.436	0.679		55.7	
1,1,2,2-Tetrachloroethane-d2	0.154	0.145		-6.4	
1,2-Dichlorobenzene-d4	0.760	0.759		-0.1	

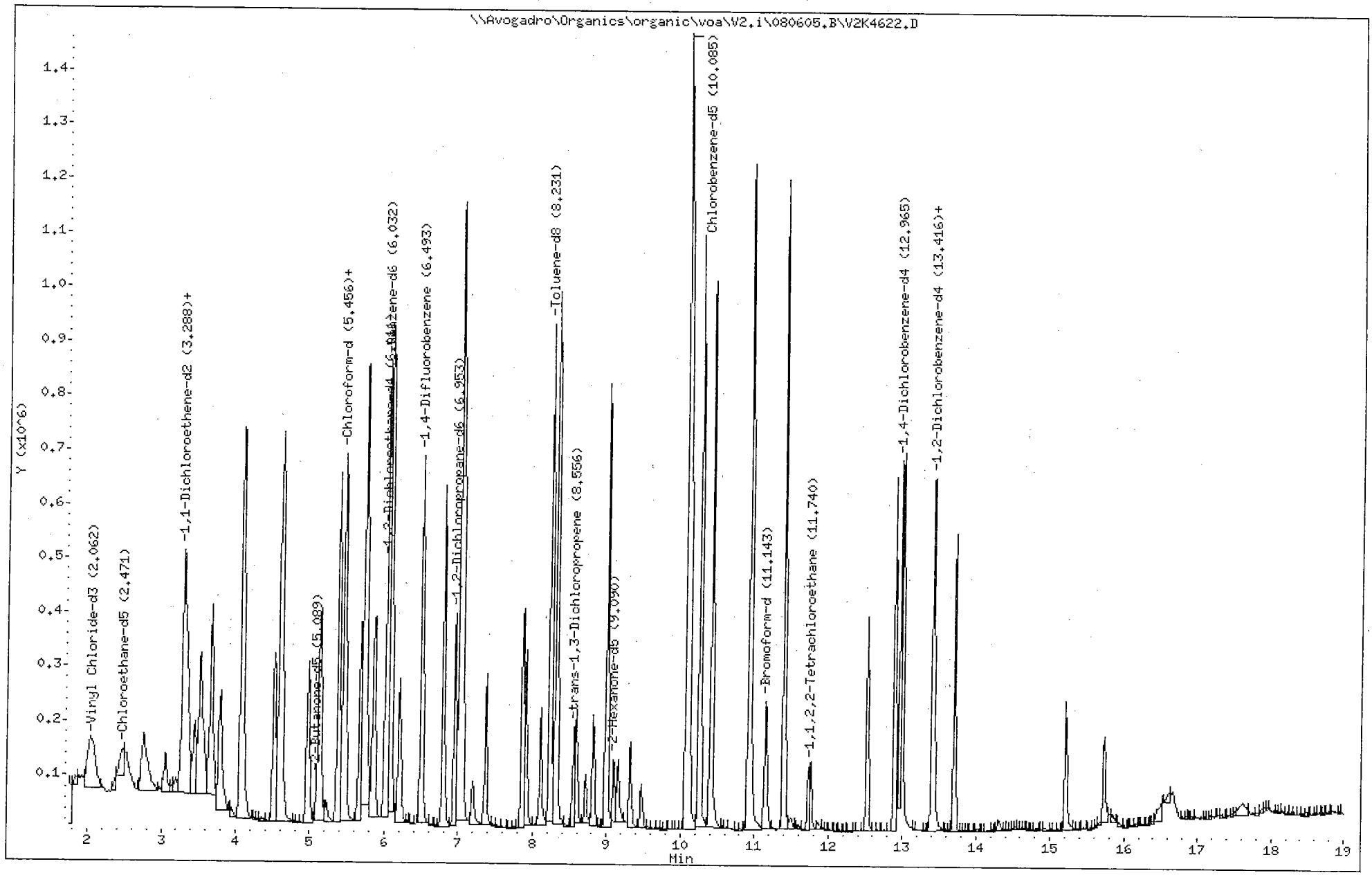
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4622.D
Date : 05-JUN-2008 10:05
Client ID: VSTD005B2
Sample Info: 25ML,VSTD005B2,VSTD005B2
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4622.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4622.D
Lab Smp Id: VSTD005B2 Client Smp ID: VSTD005B2
Inj Date : 05-JUN-2008 10:05
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD005B2,VSTD005B2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.852	1.852	(0.285)	84987	5.00000	4.0
2	Chloromethane	50	1.957	1.957	(0.301)	177450	5.00000	5.1
$ 79	Vinyl Chloride-d3	65	2.062	2.062	(0.317)	242333	5.00000	4.9
3	Vinyl Chloride	62	2.041	2.041	(0.314)	148855	5.00000	5.0
4	Bromomethane	94	2.439	2.439	(0.375)	81767	5.00000	4.1
$ 80	Chloroethane-d5	69	2.470	2.470	(0.380)	151993	5.00000	4.4
5	Chloroethane	64	2.512	2.512	(0.386)	90568	5.00000	5.0
6	Trichlorofluoromethane	101	2.764	2.764	(0.425)	274090	5.00000	5.0
$ 81	1,1-Dichloroethene-d2	100	3.277	3.277	(0.504)	69450	5.00000	5.3
7	1,1-Dichloroethene	96	3.287	3.287	(0.506)	131851	5.00000	4.5
8	Freon113	101	3.298	3.298	(0.507)	247752	5.00000	4.4
9	Acetone	43	3.350	3.350	(0.515)	74710	25.0000	28
10	Carbon Disulfide	76	3.518	3.518	(0.541)	817614	5.00000	4.8
11	Methyl Acetate	43	3.696	3.696	(0.568)	101929	5.00000	4.4
12	Methylene Chloride	84	3.790	3.790	(0.583)	174925	5.00000	4.7
13	trans-1,2-Dichloroethene	96	4.083	4.083	(0.628)	233650	5.00000	5.0
14	Methyl tert-Butyl Ether	73	4.083	4.083	(0.628)	478398	5.00000	5.1
15	1,1-Dichloroethane	63	4.513	4.513	(0.694)	445413	5.00000	4.9
$ 82	2-Butanone-d5	46	5.089	5.089	(0.783)	113336	25.0000	25
17	cis-1,2-Dichloroethene	96	5.131	5.131	(0.789)	213053	5.00000	4.8
16	2-Butanone	43	5.152	5.152	(0.792)	103196	25.0000	25
18	Bromochloromethane	128	5.382	5.382	(0.828)	68683	5.00000	5.1

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4622.D
Report Date: 06-Jun-2008 11:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.445	5.445	(0.837)	438975	5.00000	5.0
	19 Chloroform	83	5.466	5.466	(0.841)	395707	5.00000	4.9
	20 1,1,1-Trichloroethane	97	5.675	5.675	(0.563)	361716	5.00000	5.1
	21 Cyclohexane	56	5.738	5.738	(0.570)	635749	5.00000	4.2
	22 Carbon Tetrachloride	117	5.864	5.864	(0.582)	319039	5.00000	5.3
$	23 1,2-Dichloroethane-d4	65	6.010	6.010	(0.924)	147247	5.00000	5.1
$	84 Benzene-d6	84	6.031	6.031	(0.599)	861758	5.00000	4.4
	25 Benzene	78	6.073	6.073	(0.603)	849774	5.00000	4.6
	24 1,2-Dichloroethane	62	6.094	6.094	(0.937)	175817	5.00000	5.3
*	26 1,4-Difluorobenzene	114	6.503	6.503	(1.000)	687375	5.00000	
	27 Trichloroethene	95	6.796	6.796	(0.675)	256028	5.00000	4.7
$	85 1,2-Dichloropropane-d6	67	6.953	6.953	(0.690)	228058	5.00000	4.7
	28 Methylcyclohexane	83	7.016	7.016	(0.696)	588127	5.00000	4.3
	29 1,2-Dichloropropane	63	7.058	7.058	(0.701)	183790	5.00000	4.5
	30 Bromodichloromethane	83	7.372	7.372	(0.732)	213561	5.00000	5.0
	31 cis-1,3-Dichloropropene	75	7.906	7.906	(0.785)	236886	5.00000	4.9
	32 4-Methyl-2-Pentanone	43	8.105	8.105	(0.805)	230742	25.0000	26
$	33 Toluene-d8	98	8.231	8.231	(0.817)	763760	5.00000	4.8
	34 Toluene	91	8.315	8.315	(0.825)	875120	5.00000	4.9
$	86 trans-1,3-Dichloropropene-d4	79	8.555	8.555	(0.849)	130757	5.00000	5.2
	35 trans-1,3-Dichloropropene	75	8.587	8.587	(0.852)	155611	5.00000	5.2
	36 1,1,2-Trichloroethane	97	8.817	8.817	(0.875)	76530	5.00000	5.0
	37 Tetrachloroethene	164	8.995	8.995	(0.893)	225862	5.00000	4.9
$	87 2-Hexanone-d5	63	9.090	9.090	(0.902)	57779	25.0000	27(Q)
	38 2-Hexanone	43	9.152	9.152	(0.909)	136796	25.0000	25
	39 Dibromochloromethane	129	9.320	9.320	(0.925)	106290	5.00000	5.5
	40 1,2-Dibromoethane	107	9.467	9.467	(0.940)	76045	5.00000	5.2
*	42 Chlorobenzene-d5	117	10.074	10.074	(1.000)	491046	5.00000	
	43 Chlorobenzene	112	10.116	10.116	(1.004)	486745	5.00000	3.8
	44 Ethylbenzene	91	10.263	10.263	(1.019)	997493	5.00000	5.0
	45 m,p-Xylene	106	10.420	10.420	(1.034)	376229	10.0000	10
	46 o-Xylene	106	10.922	10.922	(1.084)	321520	5.00000	4.9
	47 Styrene	104	10.943	10.943	(1.086)	400293	5.00000	5.4
$	88 Bromoform-d	174	11.142	11.142	(0.859)	131775	5.00000	7.5
	48 Bromoform	173	11.163	11.163	(0.861)	55170	5.00000	5.6
	49 Isopropylbenzene	105	11.394	11.394	(1.131)	969177	5.00000	5.1
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.164)	69406	5.00000	4.6
	51 1,1,2,2-Tetrachloroethane	83	11.760	11.760	(1.167)	69971	5.00000	5.0
	52 1,3-Dichlorobenzene	146	12.891	12.891	(0.994)	332289	5.00000	5.2
*	78 1,4-Dichlorobenzene-d4	152	12.965	12.965	(1.000)	201229	5.00000	
	53 1,4-Dichlorobenzene	146	12.996	12.996	(1.002)	320584	5.00000	4.8
$	90 1,2-Dichlorobenzene-d4	152	13.405	13.405	(1.034)	150403	5.00000	4.9
	54 1,2-Dichlorobenzene	146	13.426	13.426	(1.036)	234359	5.00000	4.9
	55 1,2-Dibromo-3-chloropropane	75	14.316	14.316	(1.104)	8836	5.00000	6.0(Q)
	56 1,2,4-Trichlorobenzene	180	15.206	15.206	(1.173)	96009	5.00000	5.6
	77 1,2,3-Trichlorobenzene	180	15.730	15.730	(1.213)	60771	5.00000	5.4

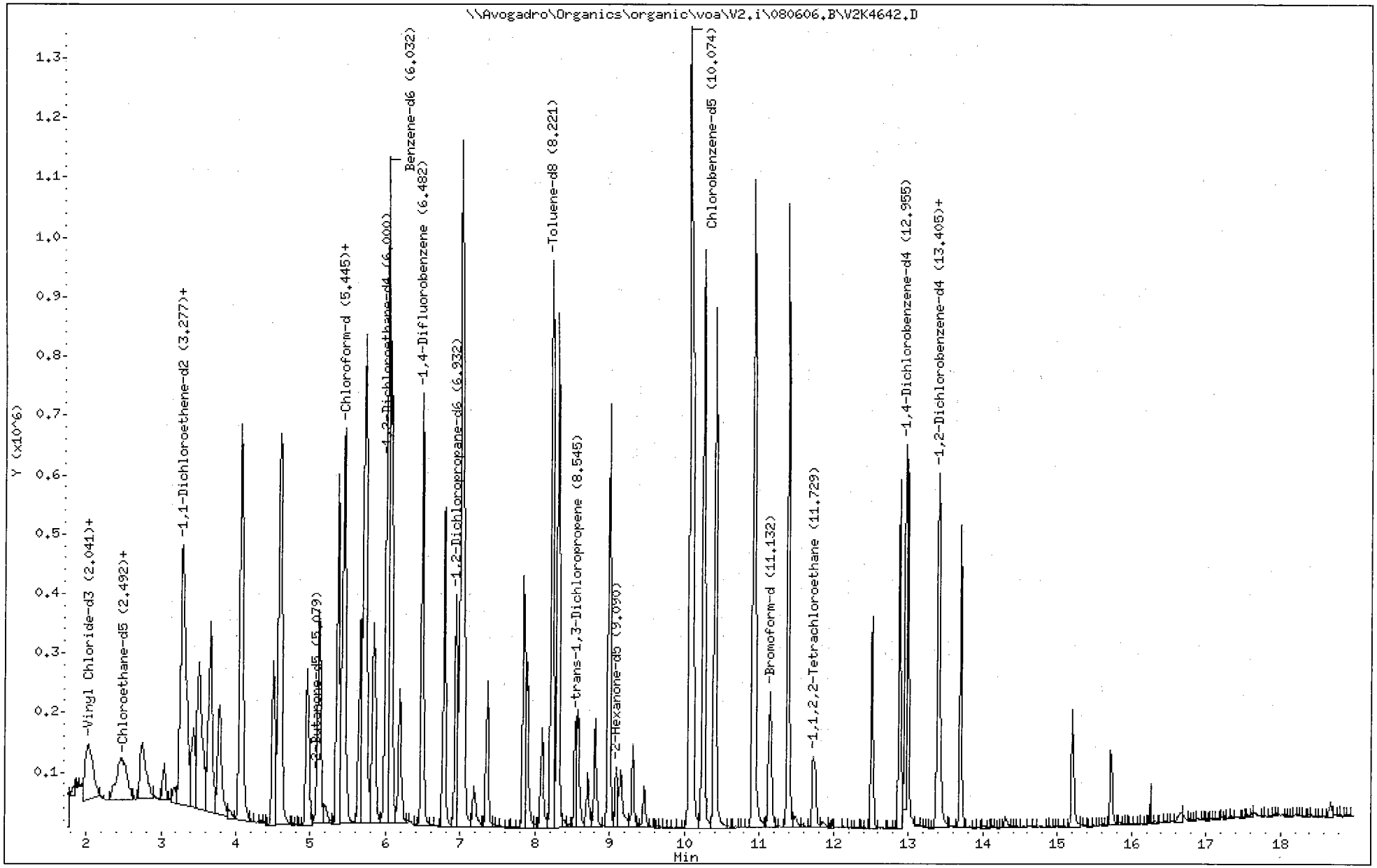
QC Flag Legend

Q - Qualifier signal failed the ratio test.

6/6/8

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4642.D
Date : 06-JUN-2008 09:11
Client ID: VSTD005C2
Instrument: V2.i
Sample Info: 25ML,VSTD005C2,VSTD005C2
Purge Volume: 25.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4642.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4642.D
Lab Smp Id: VSTD005C2 Client Smp ID: VSTD005C2
Inj Date : 06-JUN-2008 09:11
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD005C2,VSTD005C2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.842	1.842	(0.284)	120397	5.00000	5.8
	2 Chloromethane	50	1.957	1.957	(0.302)	162913	5.00000	4.9
$	79 Vinyl Chloride-d3	65	2.041	2.041	(0.315)	237743	5.00000	5.0
	3 Vinyl Chloride	62	2.051	2.051	(0.317)	122618	5.00000	4.3
	4 Bromomethane	94	2.428	2.428	(0.375)	94311	5.00000	4.9
$	80 Chloroethane-d5	69	2.491	2.491	(0.384)	162885	5.00000	4.9
	5 Chloroethane	64	2.491	2.491	(0.384)	82285	5.00000	4.7(Q)
	6 Trichlorofluoromethane	101	2.742	2.742	(0.423)	263084	5.00000	5.0
$	81 1,1-Dichloroethene-d2	100	3.266	3.266	(0.504)	63539	5.00000	5.0
	7 1,1-Dichloroethene	96	3.277	3.277	(0.506)	128074	5.00000	4.6
	8 Freon113	101	3.287	3.287	(0.507)	247463	5.00000	4.6
	9 Acetone	43	3.339	3.339	(0.515)	66314	25.0000	26
	10 Carbon Disulfide	76	3.497	3.497	(0.539)	733977	5.00000	4.4
	11 Methyl Acetate	43	3.675	3.675	(0.567)	73868	5.00000	3.3
	12 Methylene Chloride	84	3.779	3.779	(0.583)	143114	5.00000	4.0
	13 trans-1,2-Dichloroethene	96	4.062	4.062	(0.627)	184236	5.00000	4.1
	14 Methyl tert-Butyl Ether	73	4.073	4.073	(0.628)	410694	5.00000	4.5
	15 1,1-Dichloroethane	63	4.502	4.502	(0.695)	391528	5.00000	4.5
$	82 2-Butanone-d5	46	5.078	5.078	(0.783)	94557	25.0000	21
	17 cis-1,2-Dichloroethene	96	5.109	5.109	(0.788)	174848	5.00000	4.1
	16 2-Butanone	43	5.141	5.141	(0.793)	87727	25.0000	22
	18 Bromochloromethane	128	5.371	5.371	(0.829)	55946	5.00000	4.3

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4642.D
Report Date: 09-Jun-2008 11:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.434	5.434	(0.838)	452391	5.00000	5.4
	19 Chloroform	83	5.455	5.455	(0.842)	358772	5.00000	4.6
	20 1,1,1-Trichloroethane	97	5.665	5.665	(0.563)	337408	5.00000	5.0
	21 Cyclohexane	56	5.717	5.717	(0.568)	600643	5.00000	4.2
	22 Carbon Tetrachloride	117	5.843	5.843	(0.581)	289901	5.00000	5.0
$	23 1,2-Dichloroethane-d4	65	6.000	6.000	(0.926)	157609	5.00000	5.7
$	84 Benzene-d6	84	6.031	6.031	(0.599)	930109	5.00000	5.0
	25 Benzene	78	6.063	6.063	(0.602)	744958	5.00000	4.2
	24 1,2-Dichloroethane	62	6.073	6.073	(0.937)	164255	5.00000	5.1
*	26 1,4-Difluorobenzene	114	6.482	6.482	(1.000)	660928	5.00000	
	27 Trichloroethene	95	6.785	6.785	(0.674)	220967	5.00000	4.2
$	85 1,2-Dichloropropane-d6	67	6.932	6.932	(0.689)	205870	5.00000	4.4
	28 Methylcyclohexane	83	7.005	7.005	(0.696)	560204	5.00000	4.2
	29 1,2-Dichloropropane	63	7.037	7.037	(0.699)	163683	5.00000	4.2
	30 Bromodichloromethane	83	7.361	7.361	(0.732)	194547	5.00000	4.8
	31 cis-1,3-Dichloropropene	75	7.895	7.895	(0.785)	202838	5.00000	4.4
	32 4-Methyl-2-Pentanone	43	8.094	8.094	(0.804)	178001	25.0000	21
$	33 Toluene-d8	98	8.220	8.220	(0.817)	739461	5.00000	4.9
	34 Toluene	91	8.304	8.304	(0.825)	736008	5.00000	4.3
$	86 trans-1,3-Dichloropropene-d4	79	8.545	8.545	(0.849)	129034	5.00000	5.4
	35 trans-1,3-Dichloropropene	75	8.576	8.576	(0.852)	135690	5.00000	4.7
	36 1,1,2-Trichloroethane	97	8.807	8.807	(0.875)	63140	5.00000	4.3
	37 Tetrachloroethene	164	8.985	8.985	(0.893)	193557	5.00000	4.4
$	87 2-Hexanone-d5	63	9.079	9.079	(0.902)	43225	25.0000	21(Q)
	38 2-Hexanone	43	9.142	9.142	(0.908)	111151	25.0000	21
	39 Dibromochloromethane	129	9.309	9.309	(0.925)	88647	5.00000	4.7
	40 1,2-Dibromoethane	107	9.456	9.456	(0.940)	62532	5.00000	4.5
*	42 Chlorobenzene-d5	117	10.063	10.063	(1.000)	470400	5.00000	
	43 Chlorobenzene	112	10.105	10.105	(1.004)	408584	5.00000	3.3
	44 Ethylbenzene	91	10.252	10.252	(1.019)	860055	5.00000	4.5
	45 m,p-Xylene	106	10.409	10.409	(1.034)	315194	10.0000	8.8
	46 o-Xylene	106	10.912	10.912	(1.084)	268535	5.00000	4.3
	47 Styrene	104	10.933	10.933	(1.086)	335361	5.00000	4.7
$	88 Bromoform-d	174	11.132	11.132	(0.859)	125113	5.00000	7.8
	48 Bromoform	173	11.163	11.163	(0.862)	45503	5.00000	5.0
	49 Isopropylbenzene	105	11.383	11.383	(1.131)	845497	5.00000	4.7
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.165)	68000	5.00000	4.7
	51 1,1,2,2-Tetrachloroethane	83	11.760	11.760	(1.169)	55471	5.00000	4.1
	52 1,3-Dichlorobenzene	146	12.881	12.881	(0.994)	272221	5.00000	4.7
*	78 1,4-Dichlorobenzene-d4	152	12.954	12.954	(1.000)	184304	5.00000	
	53 1,4-Dichlorobenzene	146	12.986	12.986	(1.002)	276213	5.00000	4.5
$	90 1,2-Dichlorobenzene-d4	152	13.394	13.394	(1.034)	139936	5.00000	5.0
	54 1,2-Dichlorobenzene	146	13.415	13.415	(1.036)	195711	5.00000	4.5
	55 1,2-Dibromo-3-chloropropane	75	14.305	14.305	(1.104)	5834	5.00000	4.3(Q)
	56 1,2,4-Trichlorobenzene	180	15.206	15.206	(1.174)	76835	5.00000	4.9
	77 1,2,3-Trichlorobenzene	180	15.730	15.730	(1.214)	50846	5.00000	5.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.

VL
6/9/8

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4431.D

Date : 13-MAY-2008 11:22

Client ID: BFB20

Instrument: V2.i

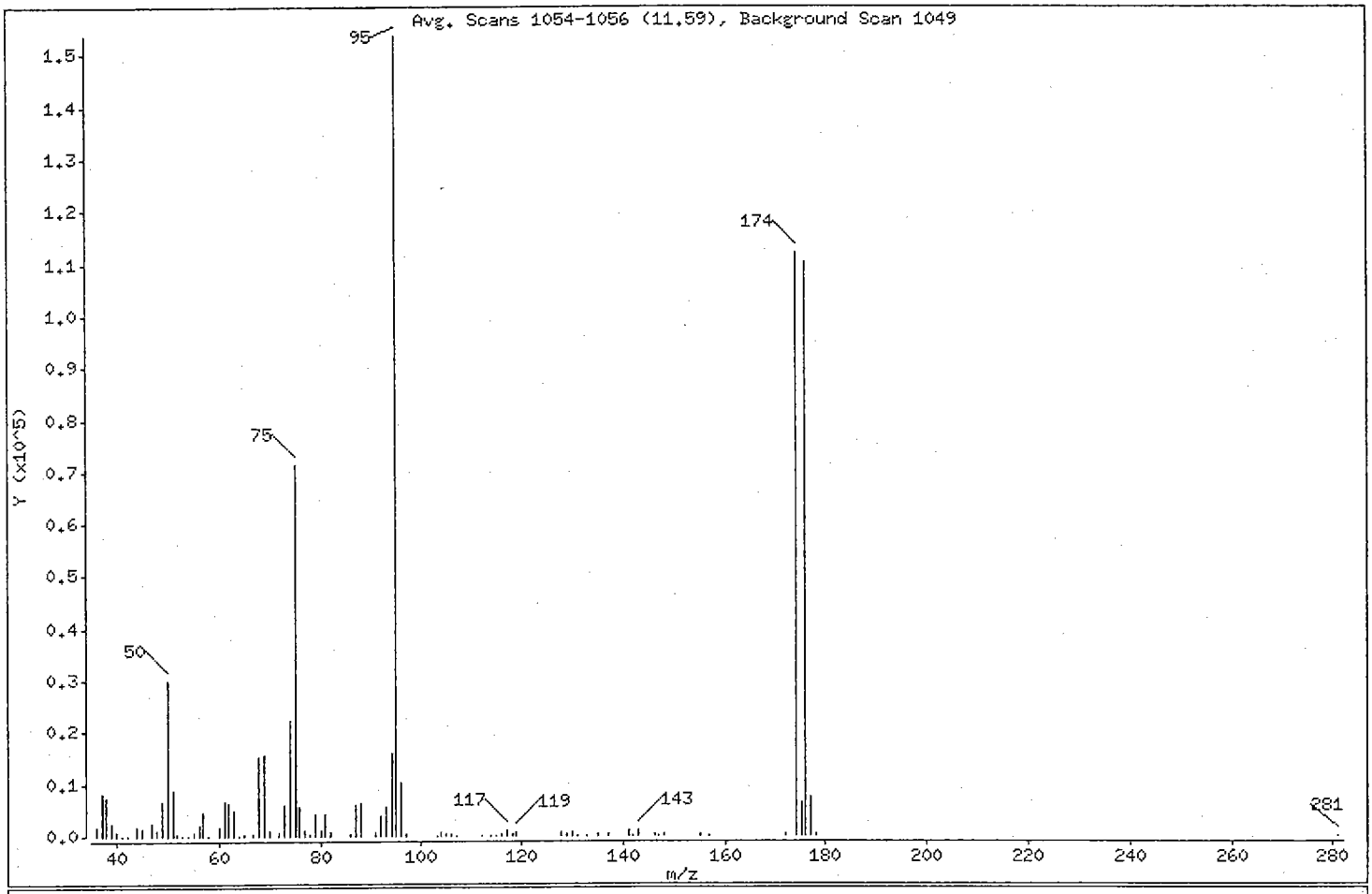
Sample Info: 2UL,BFB20,BFB20

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.45
75	30.00 - 66.00% of mass 95	46.49
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	72.96
175	4.00 - 9.00% of mass 174	4.15 (5.69)
176	93.00 - 101.00% of mass 174	71.62 (98.16)
177	5.00 - 9.00% of mass 176	4.87 (6.80)

5/15/08

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4431.D

Date : 13-MAY-2008 11:22

Client ID: BFB20

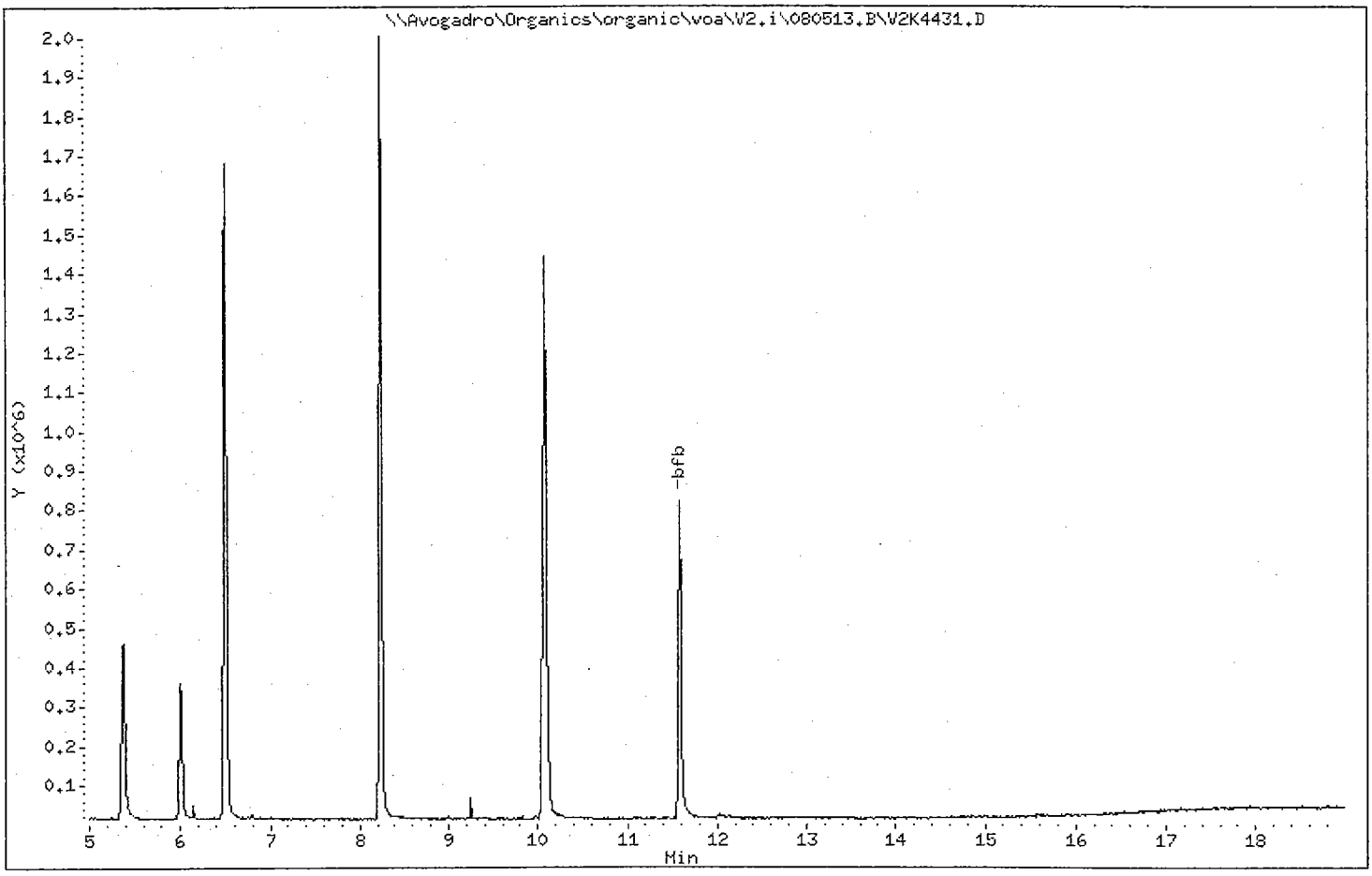
Instrument: V2.i

Sample Info: 2UL,BFB20,BFB20

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4431.D

Date : 13-MAY-2008 11:22

Client ID: BFB20

Instrument: V2.i

Sample Info: 2UL,BFB20,BFB20

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: V2K4431.D

Spectrum: Avg. Scans 1054-1056 (11.59), Background Scan 1049

Location of Maximum: 95.00

Number of points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1918	61.00	6756	88.00	6375	130.00	572
37.00	8219	62.00	6466	91.00	704	131.00	136
38.00	7499	63.00	4914	92.00	3960	133.00	86
39.00	2564	64.00	131	93.00	5816	135.00	232
40.00	608	65.00	358	94.00	15823	137.00	402
41.00	122	67.00	385	95.00	153664	141.00	1087
42.00	53	68.00	15167	96.00	10339	142.00	173
44.00	1627	69.00	15594	97.00	392	143.00	1232
45.00	1521	70.00	1187	103.00	77	146.00	222
47.00	2336	72.00	836	104.00	560	147.00	69
48.00	990	73.00	6054	105.00	212	148.00	286
49.00	6712	74.00	22232	106.00	528	155.00	278
50.00	29880	75.00	71440	107.00	73	157.00	68
51.00	8979	76.00	5543	112.00	86	172.00	181
52.00	420	77.00	1148	114.00	67	174.00	112112
53.00	85	78.00	432	115.00	70	175.00	6376
54.00	67	79.00	4322	116.00	411	176.00	110048
55.00	692	80.00	1183	117.00	903	177.00	7484
56.00	2213	81.00	4124	118.00	399	178.00	282
57.00	4517	82.00	768	119.00	793	281.00	78
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Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4621.D

Date : 05-JUN-2008 09:34

Client ID: BFBB2

Instrument: V2.i

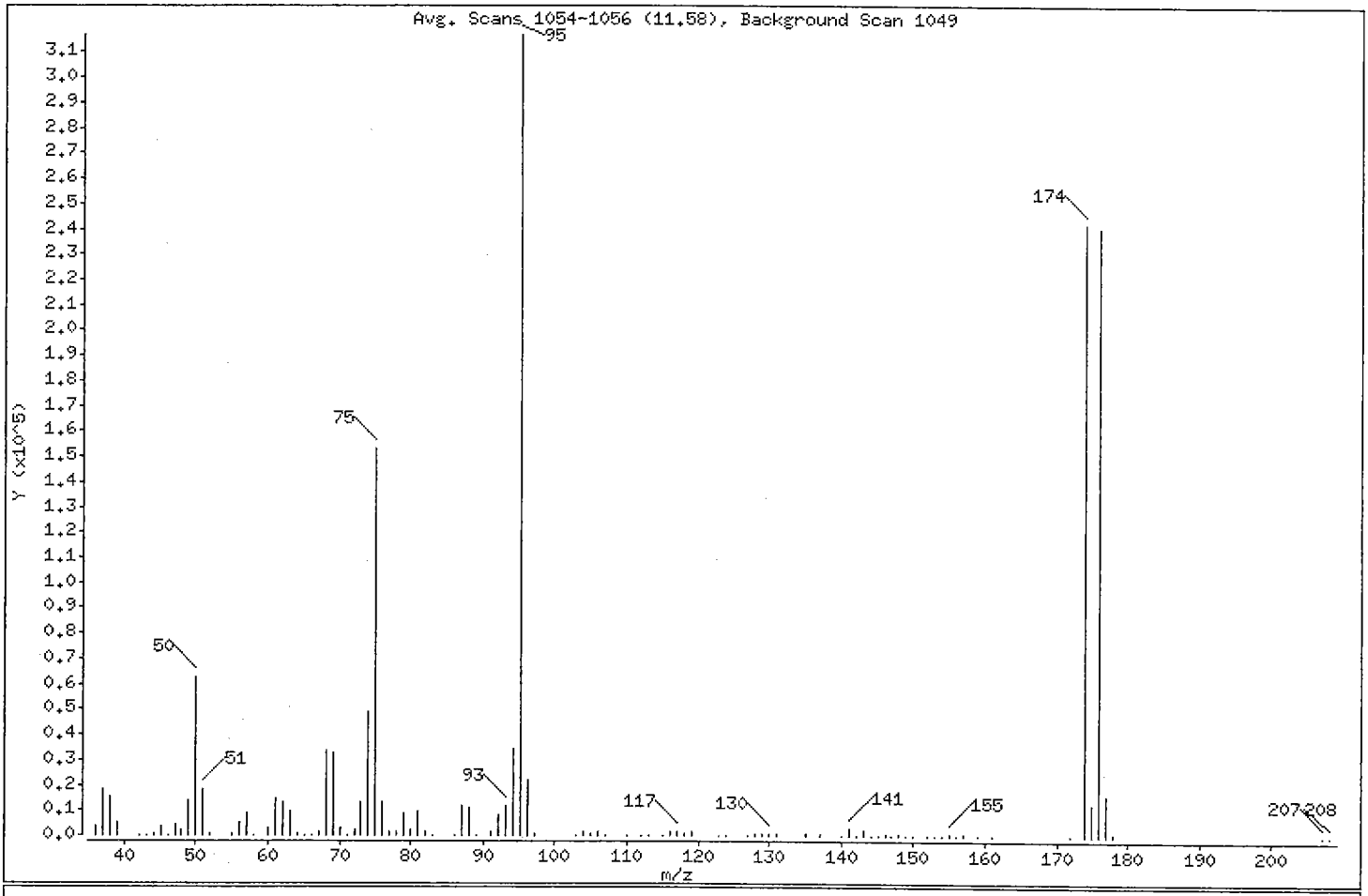
Sample Info: 2UL,BFBB2,BFBB2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.81
75	30.00 - 66.00% of mass 95	48.31
96	5.00 - 9.00% of mass 95	6.92
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	76.37
175	4.00 - 9.00% of mass 174	3.98 (5.21)
176	93.00 - 101.00% of mass 174	75.86 (99.34)
177	5.00 - 9.00% of mass 176	5.01 (6.60)

6/6/08

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4621.D

Date : 05-JUN-2008 09:34

Client ID: BFBB2

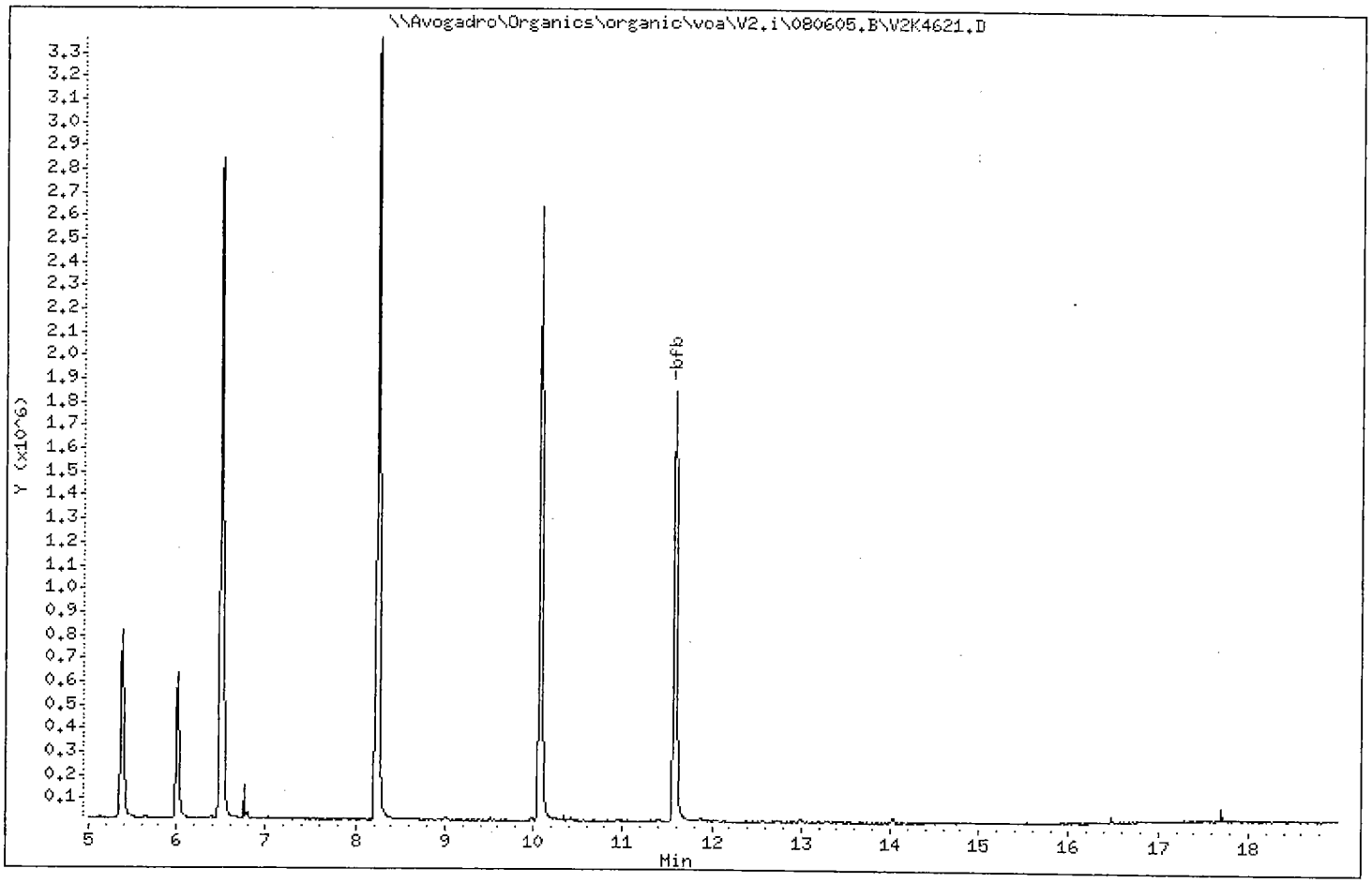
Instrument: V2.i

Sample Info: 2UL,BFBB2,BFBB2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4621.D

Date : 05-JUN-2008 09:34

Client ID: BFBB2

Instrument: V2.i

Sample Info: 2UL,BFBB2,BFBB2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: V2K4621.D

Spectrum: Avg. Scans 1054-1056 (11.58), Background Scan 1049

Location of Maximum: 95.00

Number of points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3393	67.00	1195	96.00	21920	142.00	273
37.00	18128	68.00	33496	97.00	865	143.00	2504
38.00	14994	69.00	32496	103.00	185	144.00	96
39.00	5394	70.00	2642	104.00	1225	145.00	251
42.00	196	71.00	184	105.00	484	146.00	400
43.00	264	72.00	1823	106.00	1126	147.00	78
44.00	736	73.00	12793	107.00	199	148.00	813
45.00	3318	74.00	48984	110.00	89	149.00	138
46.00	247	75.00	153088	112.00	147	150.00	107
47.00	4096	76.00	12942	113.00	147	152.00	71
48.00	1885	77.00	1783	115.00	339	153.00	70
49.00	13752	78.00	1111	116.00	1138	154.00	158
50.00	62776	79.00	8411	117.00	1640	155.00	612
51.00	18296	80.00	2097	118.00	1021	156.00	114
52.00	647	81.00	9813	119.00	1281	157.00	580
55.00	630	82.00	1668	123.00	71	159.00	309
56.00	5254	83.00	172	124.00	89	161.00	320
57.00	8995	86.00	334	127.00	72	172.00	281
58.00	350	87.00	11681	128.00	1026	174.00	241984
60.00	2918	88.00	11057	129.00	535	175.00	12612
61.00	14815	89.00	81	130.00	1068	176.00	240384
62.00	13402	91.00	1330	131.00	507	177.00	15866
63.00	9747	92.00	8350	135.00	500	178.00	491
64.00	839	93.00	11915	137.00	365	207.00	275
65.00	363	94.00	33976	140.00	162	208.00	176
66.00	174	95.00	316864	141.00	2683		

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4641.D

Date : 06-JUN-2008 08:40

Client ID: BFBC2

Instrument: V2.i

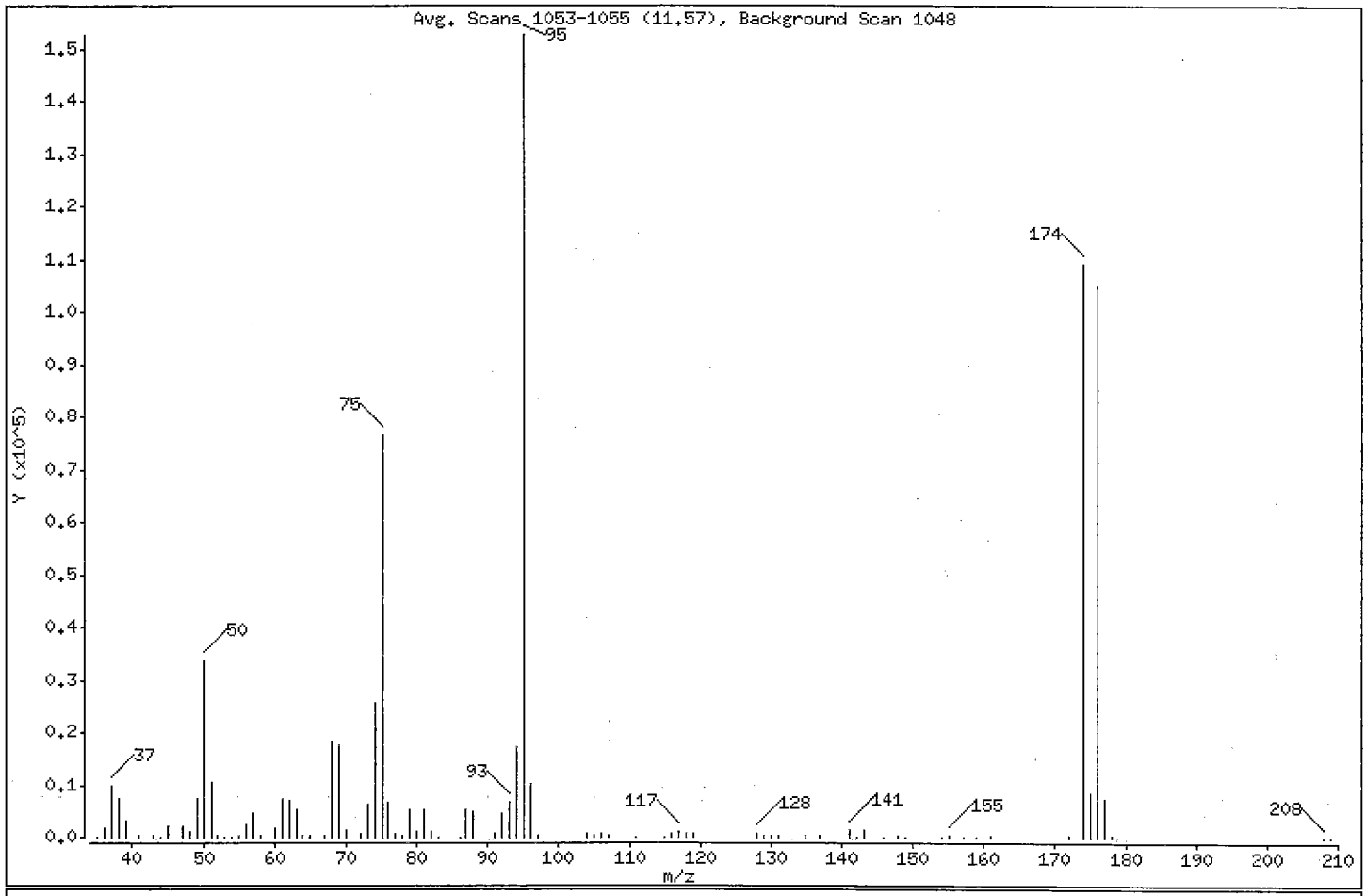
Sample Info: 2UL,BFBC2,BFBC2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	22.11
75	30.00 - 66.00% of mass 95	50.23
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	71.47
175	4.00 - 9.00% of mass 174	5.56 (7.78)
176	93.00 - 101.00% of mass 174	68.85 (96.33)
177	5.00 - 9.00% of mass 176	4.75 (6.90)

6/4/08

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4641.D

Date : 06-JUN-2008 08:40

Client ID: BFBC2

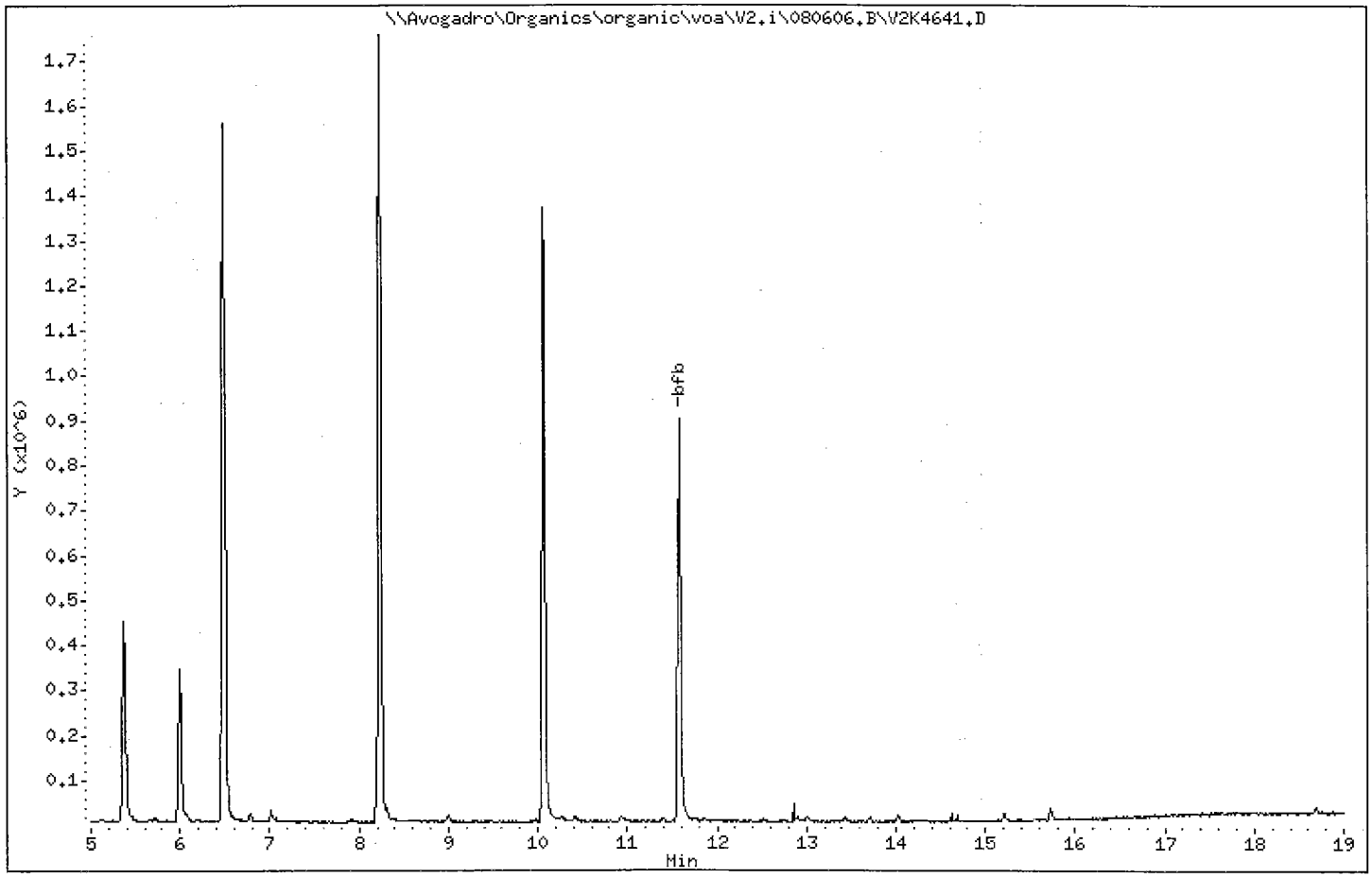
Instrument: V2.i

Sample Info: 2UL,BFBC2,BFBC2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4641.D

Date : 06-JUN-2008 08:40

Client ID: BFBC2

Instrument: V2.i

Sample Info: 2UL,BFBC2,BFBC2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: V2K4641.D

Spectrum: Avg. Scans 1053-1055 (11.57), Background Scan 1048

Location of Maximum: 95.00

Number of points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	108	62.00	7069	91.00	605	141.00	1385
36.00	1827	63.00	5273	92.00	4456	142.00	121
37.00	9814	64.00	454	93.00	6519	143.00	1311
38.00	7508	65.00	181	94.00	17080	146.00	99
39.00	2994	67.00	424	95.00	152704	148.00	201
41.00	273	68.00	18280	96.00	10121	149.00	68
43.00	333	69.00	17544	97.00	303	154.00	80
44.00	77	70.00	1492	104.00	638	155.00	205
45.00	2238	72.00	872	105.00	270	157.00	110
47.00	2059	73.00	6231	106.00	632	159.00	78
48.00	1005	74.00	25776	107.00	187	161.00	199
49.00	7358	75.00	76696	111.00	88	172.00	292
50.00	33760	76.00	6688	115.00	70	174.00	109144
51.00	10367	77.00	755	116.00	609	175.00	8490
52.00	406	78.00	365	117.00	985	176.00	105136
53.00	82	79.00	5178	118.00	529	177.00	7250
54.00	71	80.00	1197	119.00	754	178.00	190
55.00	404	81.00	5240	128.00	533	208.00	140
56.00	2344	82.00	917	129.00	252	209.00	85
57.00	4403	83.00	84	130.00	483		
58.00	243	86.00	78	131.00	210		
60.00	1701	87.00	5353	135.00	198		
61.00	7440	88.00	5046	137.00	267		

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

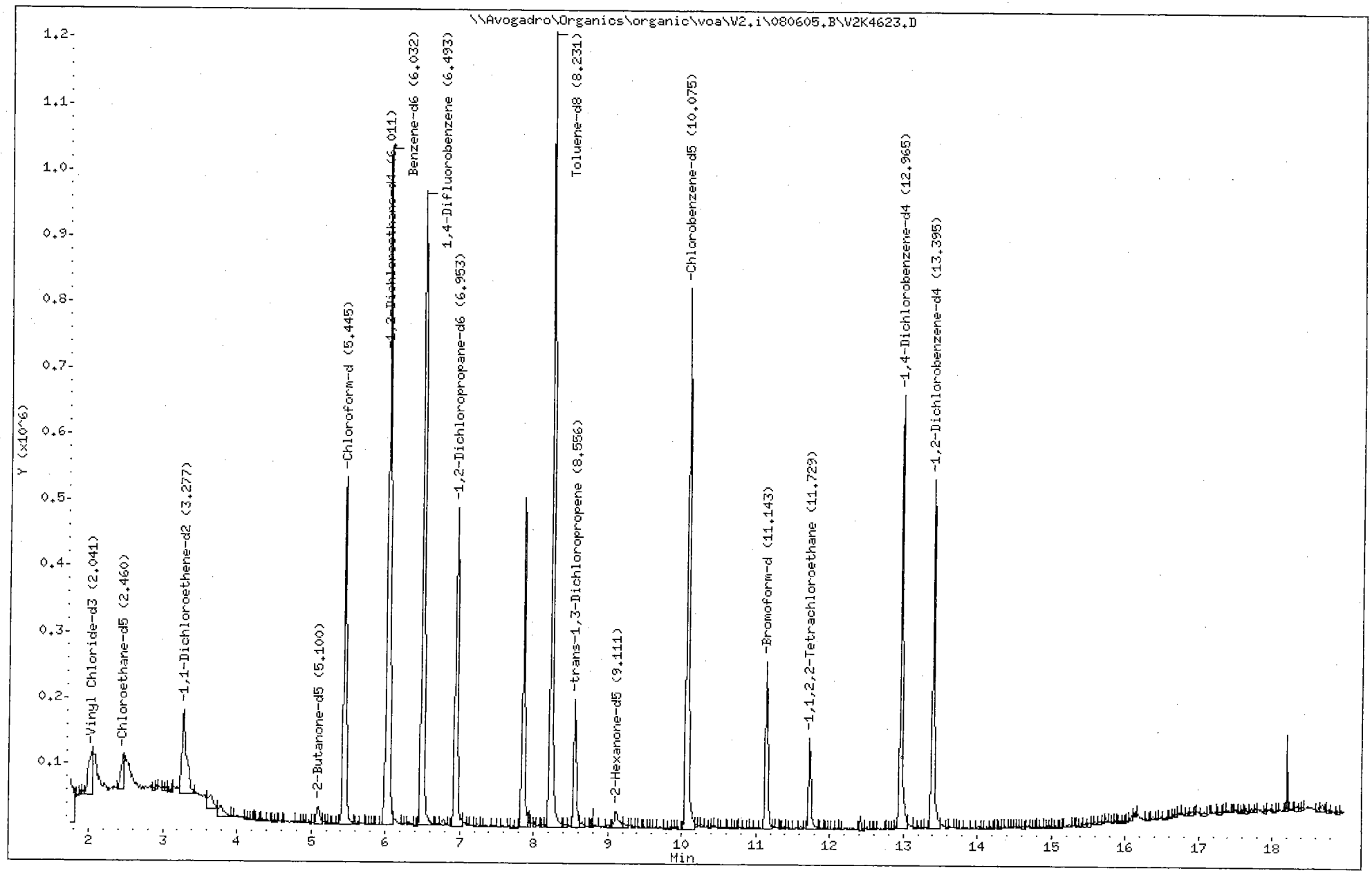
[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Date : 05-JUN-2008 10:47
Client ID: VBLKB2
Sample Info: 25ML,MB-36900,VBLKB2,36900
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LINS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Lab Smp Id: MB-36900 Client Smp ID: VBLKB2
Inj Date : 05-JUN-2008 10:47
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,MB-36900,VBLKB2,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 79 Vinyl Chloride-d3	65	2.051	2.062	(0.316)	318304	4.93771	4.9
$ 80 Chloroethane-d5	69	2.460	2.470	(0.379)	197236	4.87819	4.9
$ 81 1,1-Dichloroethene-d2	100	3.277	3.277	(0.505)	64464	3.48932	3.5(Q)
$ 82 2-Butanone-d5	46	5.089	5.089	(0.784)	50393	8.35735	8.4
$ 83 Chloroform-d	84	5.445	5.445	(0.839)	558740	4.78483	4.8(Q)
$ 23 1,2-Dichloroethane-d4	65	6.010	6.010	(0.926)	188407	4.81002	4.8
$ 84 Benzene-d6	84	6.031	6.031	(0.599)	1107688	5.11559	5.1
* 26 1,4-Difluorobenzene	114	6.492	6.503	(1.000)	914255	5.00000	
$ 85 1,2-Dichloropropane-d6	67	6.953	6.953	(0.690)	286328	4.99668	5.0
$ 33 Toluene-d8	98	8.231	8.231	(0.817)	993394	5.17640	5.2
$ 86 trans-1,3-Dichloropropene-d4	79	8.555	8.555	(0.849)	148482	4.51931	4.5
$ 87 2-Hexanone-d5	63	9.100	9.090	(0.903)	15599	5.37230	5.4(Q)
* 42 Chlorobenzene-d5	117	10.074	10.074	(1.000)	616920	5.00000	
$ 88 Bromoform-d	174	11.142	11.142	(0.859)	152033	4.84154	4.8
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.164)	88300	5.06322	5.1
* 78 1,4-Dichlorobenzene-d4	152	12.965	12.965	(1.000)	239763	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.394	13.405	(1.033)	182281	5.08585	5.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.

6/6/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Lab Smp Id: MB-36900 Client Smp ID: VBLKB2
Inj Date : 05-JUN-2008 10:47
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,MB-36900,VBLKB2,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

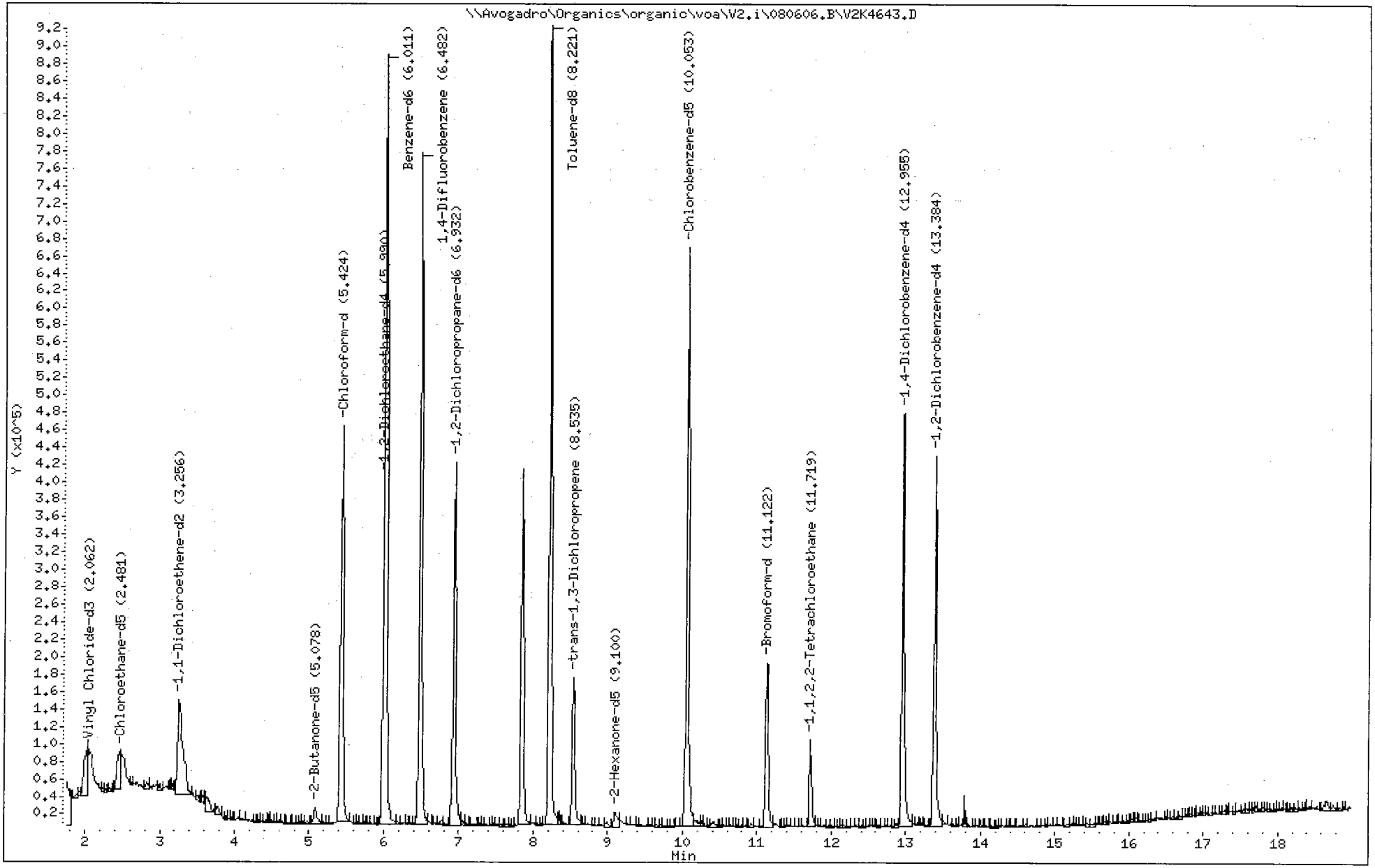
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Date : 06-JUN-2008 09:54
Client ID: VBLKC2
Instrument: V2.i
Sample Info: 25ML,MB-36921,VBLKC2,36921
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Lab Smp Id: MB-36921 Client Smp ID: VBLKC2
Inj Date : 06-JUN-2008 09:54
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,MB-36921,VBLKC2,36921
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.062	2.041	(0.318)	258770	5.10057	5.1
$	80 Chloroethane-d5	69	2.481	2.491	(0.383)	172345	4.95827	5.0
$	81 1,1-Dichloroethene-d2	100	3.266	3.266	(0.504)	56946	4.19986	4.2(Q)
$	82 2-Butanone-d5	46	5.078	5.078	(0.783)	33406	8.27777	8.3
$	83 Chloroform-d	84	5.424	5.434	(0.837)	476996	4.94098	4.9(Q)
$	23 1,2-Dichloroethane-d4	65	5.989	6.000	(0.924)	168470	5.00903	5.0
$	84 Benzene-d6	84	6.010	6.031	(0.598)	874541	4.56946	4.6
*	26 1,4-Difluorobenzene	114	6.481	6.482	(1.000)	705199	5.00000	
$	85 1,2-Dichloropropane-d6	67	6.932	6.932	(0.690)	227590	5.37253	5.4
$	33 Toluene-d8	98	8.220	8.220	(0.818)	768277	5.04919	5.0
$	86 trans-1,3-Dichloropropene-d4	79	8.534	8.545	(0.849)	132325	4.98375	5.0
$	87 2-Hexanone-d5	63	9.089	9.079	(0.904)	8361	4.70015	4.7(aQ)
*	42 Chlorobenzene-d5	117	10.053	10.063	(1.000)	483970	5.00000	
$	88 Bromoform-d	174	11.121	11.132	(0.859)	118978	5.10618	5.1
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.718	11.729	(1.166)	67792	4.84494	4.8
*	78 1,4-Dichlorobenzene-d4	152	12.954	12.954	(1.000)	171622	5.00000	
$	90 1,2-Dichlorobenzene-d4	152	13.383	13.394	(1.033)	138095	5.29883	5.3

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

6/9/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Report Date: 09-Jun-2008 11:58

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Lab Smp Id: MB-36921 Client Smp ID: VBLKC2
Inj Date : 06-JUN-2008 09:54
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,MB-36921,VBLKC2,36921
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4658.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.88	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4658.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4658.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

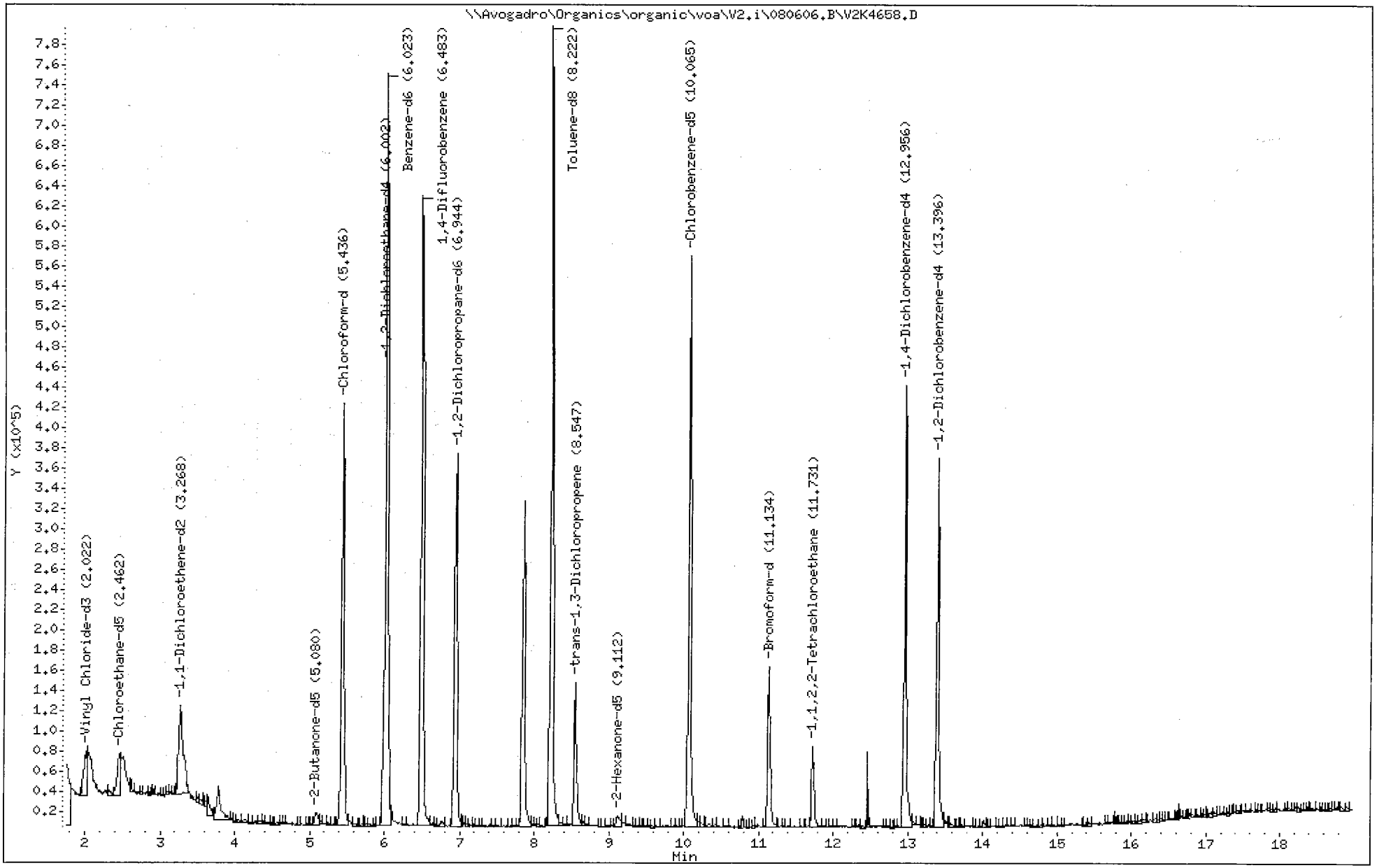
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4658.D
Date : 06-JUN-2008 17:48
Client ID: VHBLKC2
Instrument: V2.i
Sample Info: 25ML,VHBLKC2,VHBLKC2,36921,
Purge Volume: 25.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4658.D
Report Date: 09-Jun-2008 11:59

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4658.D
Lab Smp Id: VHBLKC2 Client Smp ID: VHBLKC2
Inj Date : 06-JUN-2008 17:48
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VHBLKC2,VHBLKC2,36921,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 19 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.021	2.041	(0.312)	226086	5.42878	5.4
$	80 Chloroethane-d5	69	2.472	2.491	(0.381)	146005	5.11709	5.1
$	81 1,1-Dichloroethene-d2	100	3.268	3.266	(0.504)	50240	4.51383	4.5(Q)
	12 Methylene Chloride	84	3.781	3.779	(0.583)	22009	0.87792	0.88
$	82 2-Butanone-d5	46	5.090	5.078	(0.785)	26549	8.01421	8.0
$	83 Chloroform-d	84	5.436	5.434	(0.838)	417842	5.27272	5.3(Q)
$	23 1,2-Dichloroethane-d4	65	6.001	6.000	(0.926)	147484	5.34196	5.3
$	84 Benzene-d6	84	6.022	6.031	(0.598)	728651	4.67333	4.7
*	26 1,4-Difluorobenzene	114	6.483	6.482	(1.000)	578879	5.00000	
$	85 1,2-Dichloropropane-d6	67	6.944	6.932	(0.690)	193380	5.60349	5.6
$	33 Toluene-d8	98	8.221	8.220	(0.817)	642305	5.18163	5.2
$	86 trans-1,3-Dichloropropene-d4	79	8.546	8.545	(0.849)	108377	5.01041	5.0
$	87 2-Hexanone-d5	63	9.112	9.079	(0.905)	5628	3.88355	3.9(aQ)
*	42 Chlorobenzene-d5	117	10.065	10.063	(1.000)	394273	5.00000	
$	88 Bromoform-d	174	11.133	11.132	(0.859)	93563	4.74274	4.7
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.730	11.729	(1.165)	55490	4.86795	4.9
*	78 1,4-Dichlorobenzene-d4	152	12.955	12.954	(1.000)	145304	5.00000	
$	90 1,2-Dichlorobenzene-d4	152	13.395	13.394	(1.034)	115134	5.21797	5.2

6/9/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4658.D
Report Date: 09-Jun-2008 11:59

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4658.D
Report Date: 09-Jun-2008 11:59

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4658.D
Lab Smp Id: VHBLKC2 Client Smp ID: VHBLKC2
Inj Date : 06-JUN-2008 17:48
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VHBLKC2,VHBLKC2,36921,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 19 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4658.D

Date : 06-JUN-2008 17:48

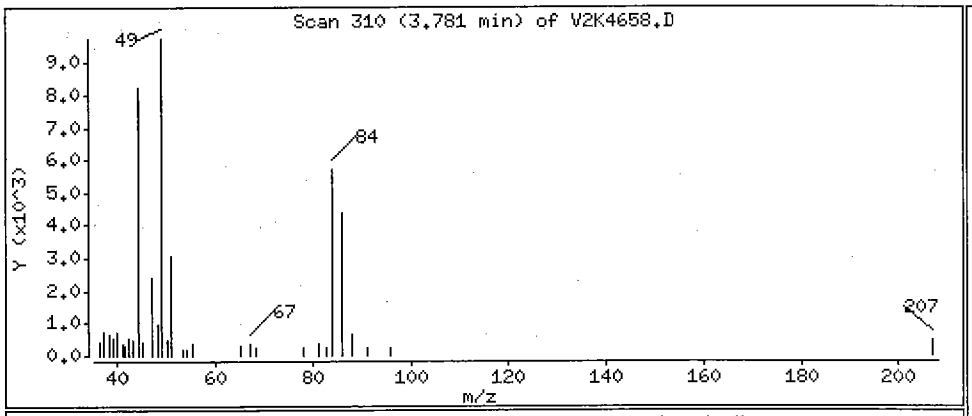
Client ID: VHBLKC2 Instrument: V2.i

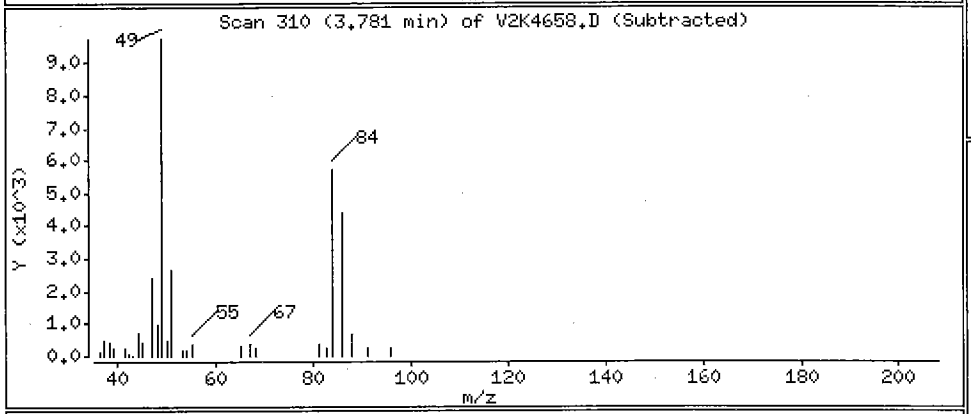
Sample Info: 25ML,VHBLKC2,VHBLKC2,36921,

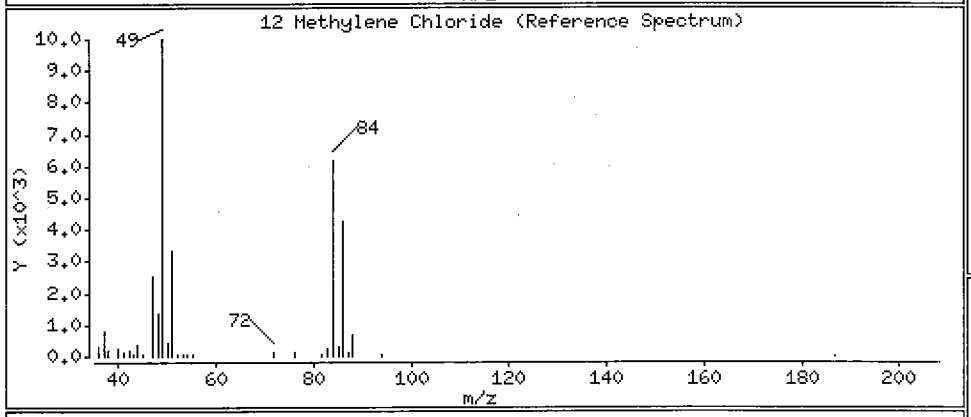
Purge Volume: 25.0 Operator: HZ SRC: HZ

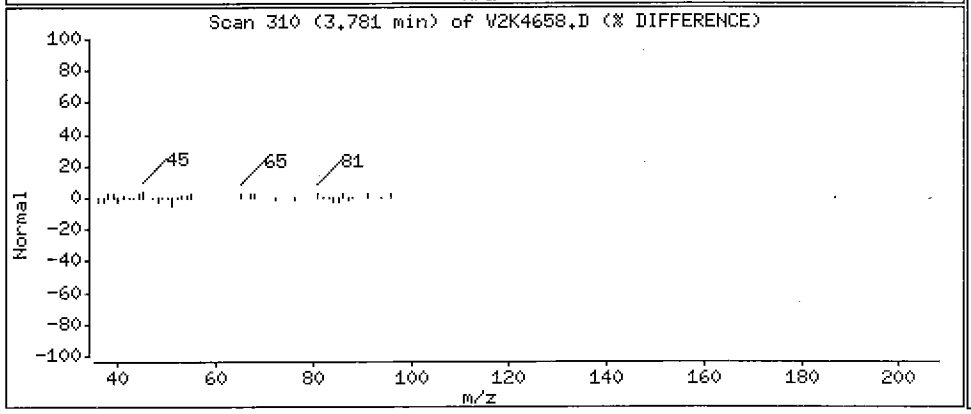
Column phase: DB-624 Column diameter: 0.25

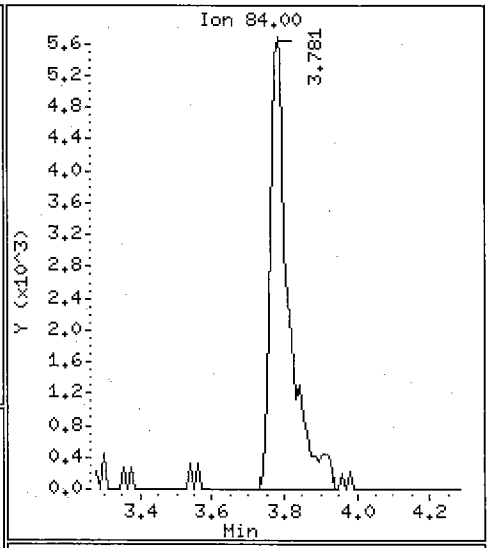
12 Methylene Chloride Concentration: 0.88 ug/L

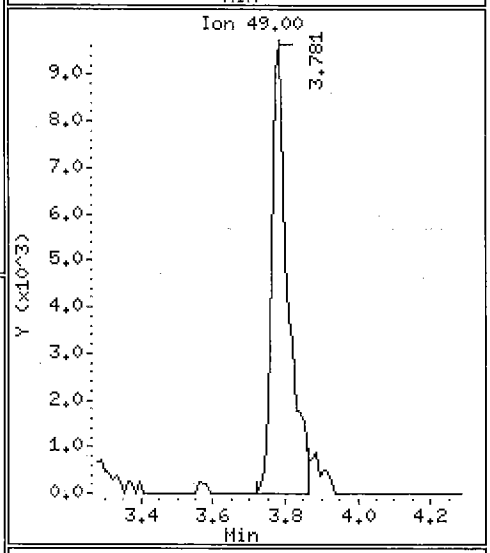


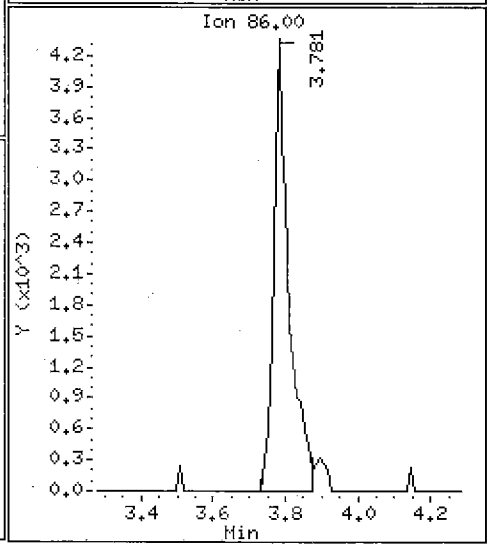












1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4624.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	3.5	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	4.7	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	4.6	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	4.7	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4624.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

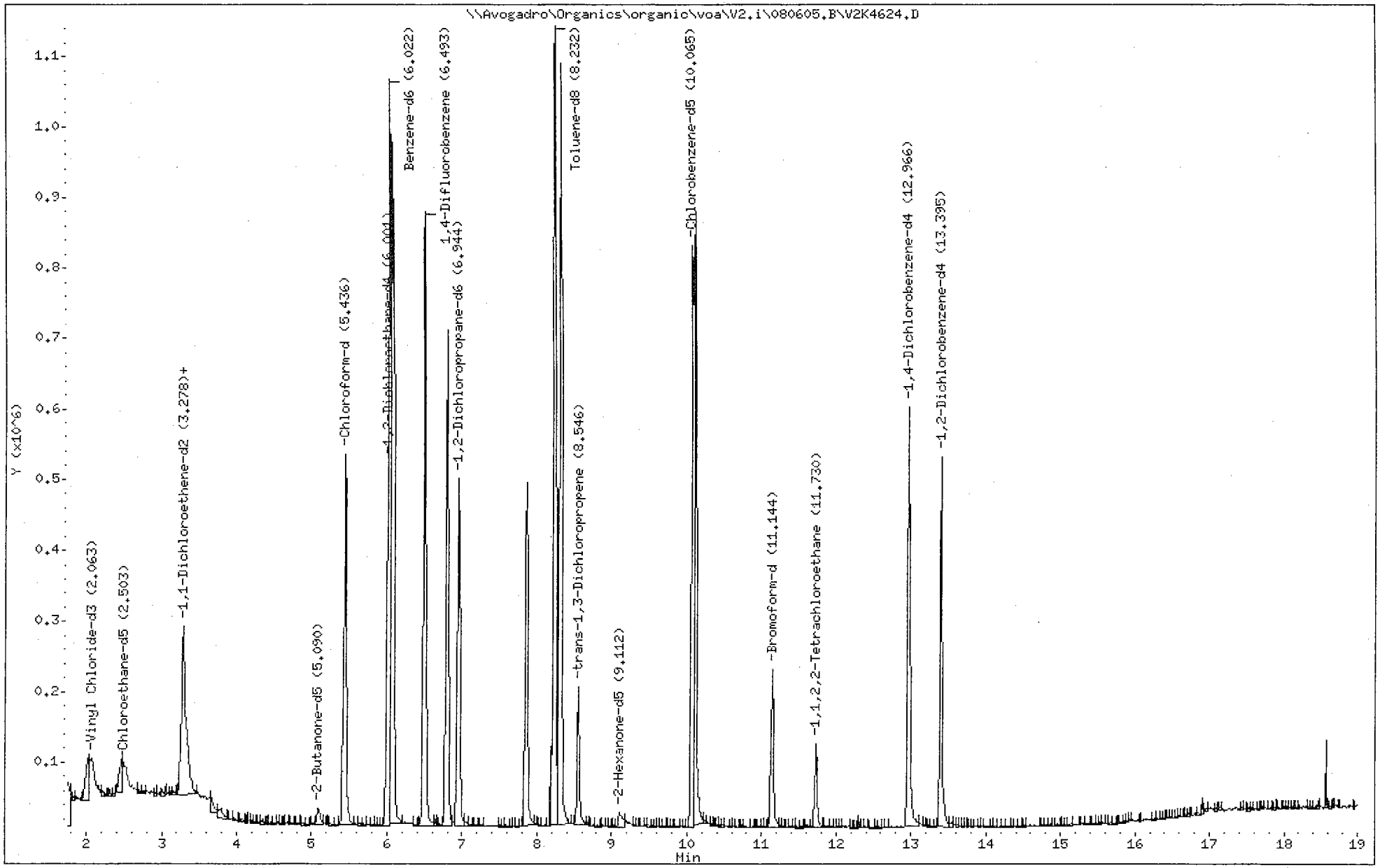
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	5.0	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4624.D
Date : 05-JUN-2008 12:06
Client ID: VB2LCS
Instrument: V2.i
Sample Info: 25ML,LCS-36900,VB2LCS,36900
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4624.D
Report Date: 06-Jun-2008 09:55

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4624.D
Lab Smp Id: LCS-36900 Client Smp ID: VB2LCS
Inj Date : 05-JUN-2008 12:06
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,LCS-36900,VB2LCS,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET103

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.063	2.062	(0.318)	304065	4.93988	4.9
$	80 Chloroethane-d5	69	2.502	2.470	(0.385)	195243	5.05725	5.1
$	81 1,1-Dichloroethene-d2	100	3.278	3.277	(0.505)	74661	4.23238	4.2(Q)
	7 1,1-Dichloroethene	96	3.288	3.287	(0.506)	118575	3.54057	3.5(Q)
$	82 2-Butanone-d5	46	5.089	5.089	(0.784)	42582	7.39590	7.4
$	83 Chloroform-d	84	5.435	5.445	(0.837)	536405	4.81079	4.8(Q)
$	23 1,2-Dichloroethane-d4	65	6.001	6.010	(0.924)	178218	4.76506	4.8
$	84 Benzene-d6	84	6.022	6.031	(0.598)	1085688	5.22276	5.2
	25 Benzene	78	6.063	6.073	(0.602)	970212	4.73308	4.7
*	26 1,4-Difluorobenzene	114	6.493	6.503	(1.000)	872973	5.00000	
	27 Trichloroethene	95	6.786	6.796	(0.674)	281383	4.55608	4.6
$	85 1,2-Dichloropropane-d6	67	6.943	6.953	(0.690)	271587	4.93678	4.9
$	33 Toluene-d8	98	8.231	8.231	(0.818)	962524	5.22438	5.2
	34 Toluene	91	8.305	8.315	(0.825)	996239	4.71929	4.7
$	86 trans-1,3-Dichloropropene-d4	79	8.546	8.555	(0.849)	144417	4.57861	4.6
$	87 2-Hexanone-d5	63	9.111	9.090	(0.905)	16220	5.81877	5.8(Q)
*	42 Chlorobenzene-d5	117	10.064	10.074	(1.000)	592259	5.00000	
	43 Chlorobenzene	112	10.106	10.116	(1.004)	581231	4.95026	5.0
$	88 Bromoform-d	174	11.143	11.142	(0.859)	142335	4.89533	4.9
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.730	11.729	(1.165)	85676	5.11732	5.1
*	78 1,4-Dichlorobenzene-d4	152	12.966	12.965	(1.000)	222002	5.00000	

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4624.D
Report Date: 06-Jun-2008 09:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 90 1,2-Dichlorobenzene-d4	152	13.395	13.405	(1.033)	172105	5.18610	5.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.

6/6/08

HZA

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02AMS

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4632.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	3.9	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	4.9	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	4.9	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.1	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.5	
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02AMS

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4632.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

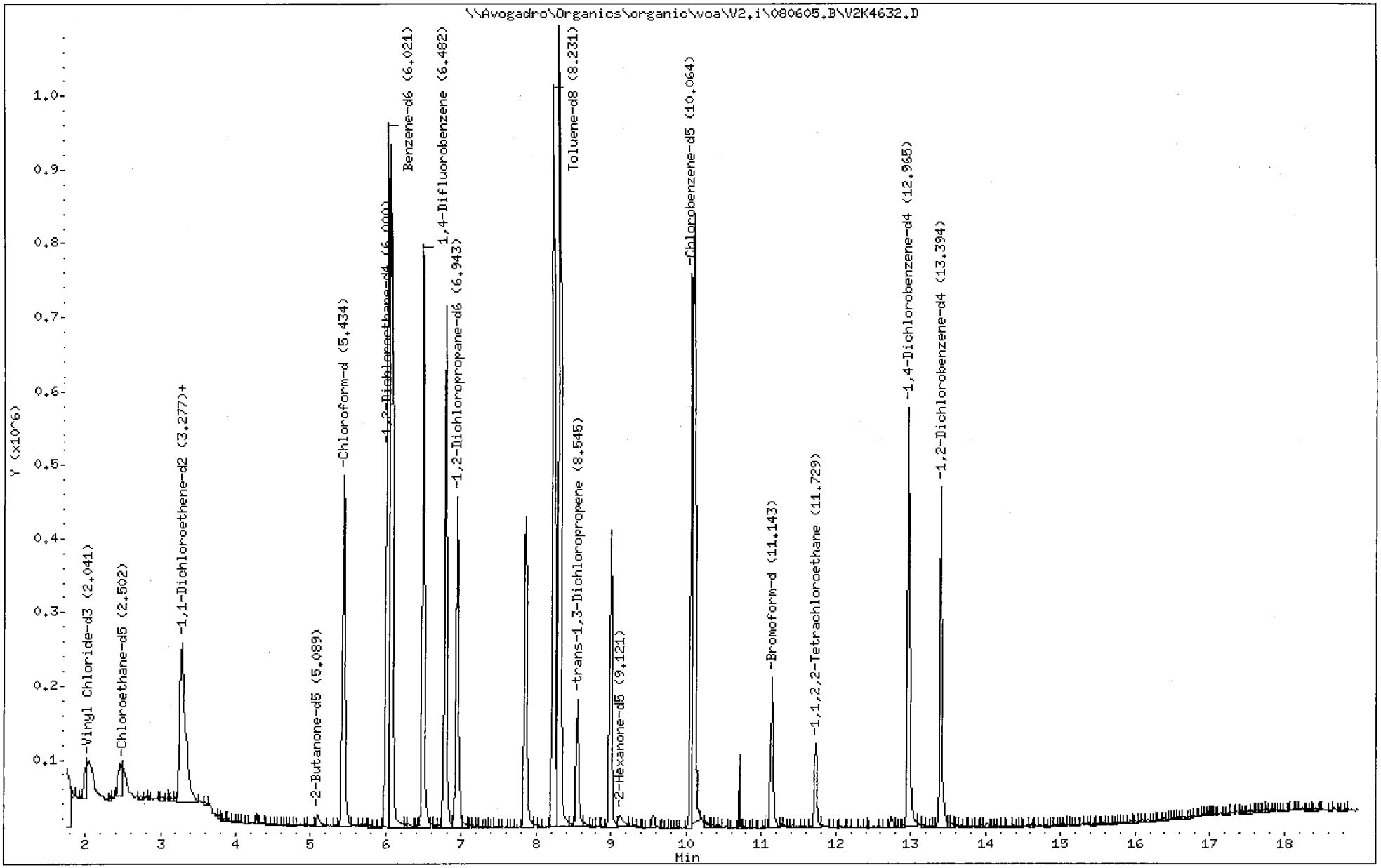
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	5.2	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4632.D
Date : 05-JUN-2008 16:19
Client ID: 130173-MW-1-GWMS
Instrument: V2.i
Sample Info: 25ML,G0846-02AMS,,36900
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4632.D
Report Date: 06-Jun-2008 09:55

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4632.D
Lab Smp Id: G0846-02AMS Client Smp ID: 130173-MW-1-GWMS
Inj Date : 05-JUN-2008 16:19
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-02AMS,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 13 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET103

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.041	2.062	(0.314)	272224	5.02625	5.0
$	80 Chloroethane-d5	69	2.501	2.470	(0.385)	183762	5.40956	5.4
$	81 1,1-Dichloroethene-d2	100	3.266	3.277	(0.503)	69978	4.50837	4.5
	7 1,1-Dichloroethene	96	3.287	3.287	(0.506)	116047	3.93804	3.9(Q)
$	82 2-Butanone-d5	46	5.078	5.089	(0.782)	32377	6.39100	6.4
$	83 Chloroform-d	84	5.434	5.445	(0.837)	506292	5.16050	5.2(Q)
$	23 1,2-Dichloroethane-d4	65	6.000	6.010	(0.924)	171639	5.21554	5.2
$	84 Benzene-d6	84	6.021	6.031	(0.598)	970168	5.18039	5.2
	25 Benzene	78	6.062	6.073	(0.602)	914108	4.94988	4.9
*	26 1,4-Difluorobenzene	114	6.492	6.503	(1.000)	768128	5.00000	
	27 Trichloroethene	95	6.785	6.796	(0.674)	274891	4.94053	4.9
$	85 1,2-Dichloropropane-d6	67	6.942	6.953	(0.690)	246421	4.97202	5.0
$	33 Toluene-d8	98	8.230	8.231	(0.818)	849717	5.11939	5.1
	34 Toluene	91	8.304	8.315	(0.825)	974863	5.12598	5.1
$	86 trans-1,3-Dichloropropene-d4	79	8.545	8.555	(0.849)	133723	4.70589	4.7
	37 Tetrachloroethene	164	8.995	8.995	(0.894)	121312	2.47150	2.5
$	87 2-Hexanone-d5	63	9.110	9.090	(0.905)	9967	3.96885	4.0(aQ)
*	42 Chlorobenzene-d5	117	10.063	10.074	(1.000)	533570	5.00000	
	43 Chlorobenzene	112	10.105	10.116	(1.004)	545357	5.15561	5.2
$	88 Bromoform-d	174	11.142	11.142	(0.859)	129555	4.97538	5.0
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.165)	76026	5.04041	5.0

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4632.D
Report Date: 06-Jun-2008 09:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 78 1,4-Dichlorobenzene-d4	152	12.964	12.965	(1.000)	198818	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.394	13.405	(1.033)	156649	5.27079	5.3

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02AMSD

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4633.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	5.1	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	5.0	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.2	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.4	
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02AMSD

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4633.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/04/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

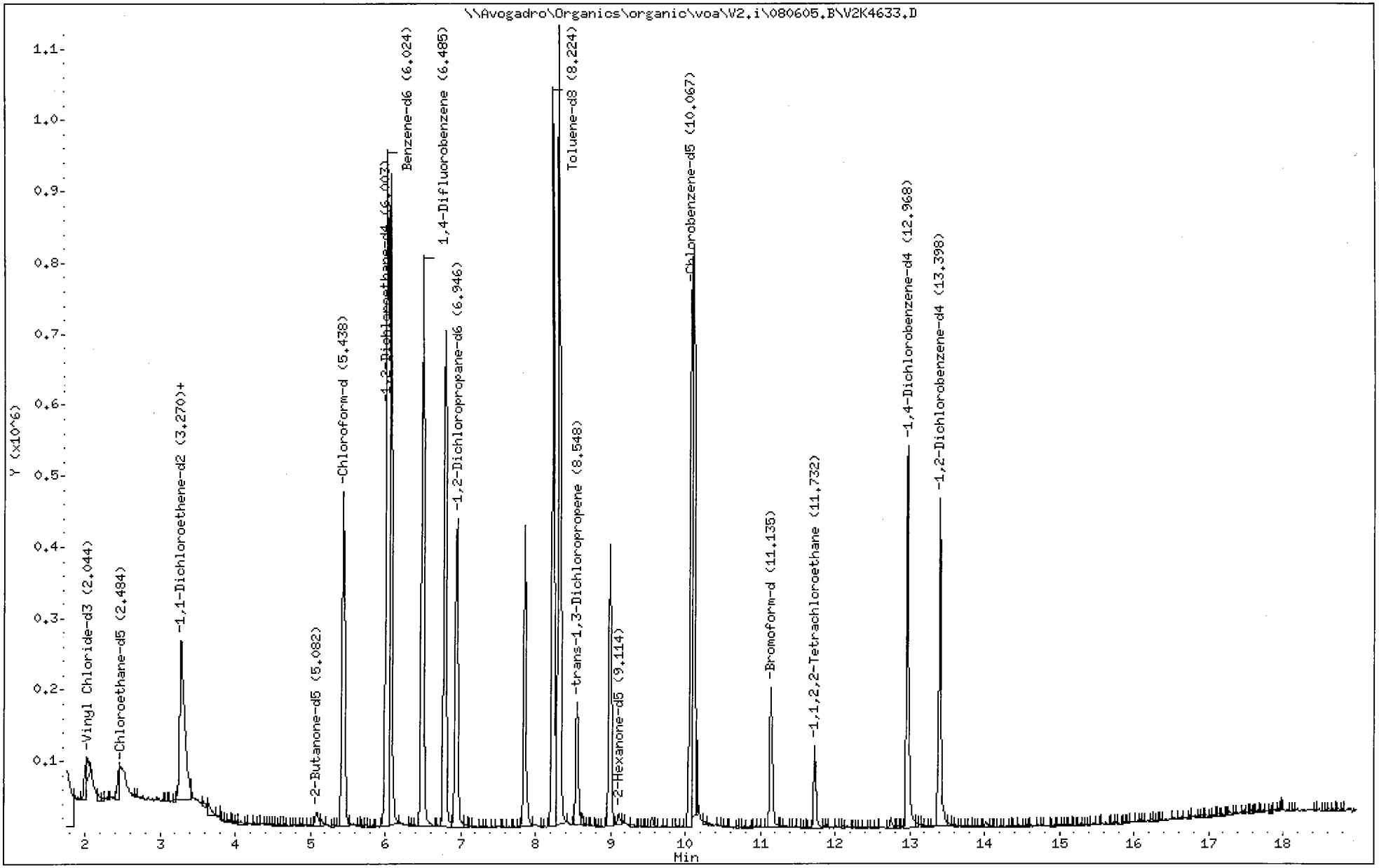
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	5.2	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4633.D
Date : 05-JUN-2008 16:51
Client ID: 130173-MW-1-GWMSD
Instrument: V2.i
Sample Info: 25ML,G0846-02AMSD,,36900
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4633.D
Report Date: 06-Jun-2008 09:55

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4633.D
Lab Smp Id: G0846-02AMSD Client Smp ID: 130173-MW-1-GWMSD
Inj Date : 05-JUN-2008 16:51
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0846-02AMSD,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET103

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.044	2.062	(0.315)	281390	5.23778	5.2
$	80 Chloroethane-d5	69	2.484	2.470	(0.383)	187288	5.55825	5.6
$	81 1,1-Dichloroethene-d2	100	3.269	3.277	(0.504)	73082	4.74668	4.7(Q)
	7 1,1-Dichloroethene	96	3.280	3.287	(0.506)	116277	3.97797	4.0(Q)
$	82 2-Butanone-d5	46	5.092	5.089	(0.785)	35785	7.12122	7.1
$	83 Chloroform-d	84	5.437	5.445	(0.838)	498854	5.12608	5.1(Q)
$	23 1,2-Dichloroethane-d4	65	6.003	6.010	(0.926)	172848	5.29504	5.3
$	84 Benzene-d6	84	6.024	6.031	(0.598)	958647	5.19842	5.2
	25 Benzene	78	6.066	6.073	(0.603)	919046	5.05396	5.1
*	26 1,4-Difluorobenzene	114	6.485	6.503	(1.000)	761925	5.00000	
	27 Trichloroethene	95	6.788	6.796	(0.674)	276187	5.04097	5.0
$	85 1,2-Dichloropropane-d6	67	6.945	6.953	(0.690)	248566	5.09324	5.1
$	33 Toluene-d8	98	8.223	8.231	(0.817)	850829	5.20575	5.2
	34 Toluene	91	8.307	8.315	(0.825)	979928	5.23268	5.2
$	86 trans-1,3-Dichloropropene-d4	79	8.548	8.555	(0.849)	135861	4.85543	4.9
	37 Tetrachloroethene	164	8.998	8.995	(0.894)	117960	2.44056	2.4
$	87 2-Hexanone-d5	63	9.113	9.090	(0.905)	7946	3.21326	3.2(aQ)
*	42 Chlorobenzene-d5	117	10.067	10.074	(1.000)	525405	5.00000	
	43 Chlorobenzene	112	10.108	10.116	(1.004)	541983	5.20334	5.2
$	88 Bromoform-d	174	11.145	11.142	(0.859)	120331	4.69451	4.7
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.732	11.729	(1.165)	72420	4.87595	4.9

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4633.D
Report Date: 06-Jun-2008 09:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 78 1,4-Dichlorobenzene-d4	152	12.968	12.965	(1.000)	195711	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.397	13.405	(1.033)	150944	5.15947	5.2

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

HZA

SC 6/11/08

METHOD: CAL ID:

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: OLC-V
ICAL DATE: 5/13/08

ANALYST: WL
EMV:

BATCH: 080513.B

Start: 13-MAY-08 11:22
End: 13-MAY-08 20:43

Comments:

IS - VW 080513B
PMCA - VW 080513C
PMCB - VW 080513D
STD - VW 080513E
Reflow - VW 080513F

MS/MSD - VW 080508D

Reviewed By: NZA 05/14/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	CBZ	DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
V2K4431	11:22	BFB20	BFB20		AQ																			1		OK	
V2K4432	11:54	VSTD0.520	VSTD0.520		AQ		111	107	98															1		OK	
V2K4433	12:47	VSTD00120	VSTD00120		AQ		108	103	97															1		OK	
V2K4434	13:17	VSTD00520	VSTD00520		AQ		100	100	100															1		OK	
V2K4435	13:49	VSTD01020	VSTD01020		AQ		112	108	114															1		OK	
V2K4436	14:21	VSTD02520	VSTD02520		AQ		111	111	124															1		OK	
V2K4437	15:29	MB-36429	VBLK20	36429	AQ		127	121	109															10		OK, CB=18	7
V2K4438	16:00	G0666-01A	MW34B050708	36429	AQ	1	125	122	114															1		OK	7
V2K4439	16:33	G0666-02A	WE024050708	36429	AQ	1	127	117	108															1		OK	7
V2K4440	17:04	G0666-03A	NELF11A050708	36429	AQ	1	122	116	111															1		OK	7
V2K4441	17:35	G0666-04A	NELF11B050708	36429	AQ	1	121	117	111				*											1		OK	2
V2K4442	18:06	G0666-05A	TBLK050708	36429	AQ	1	119	120	110															1		OK	7
V2K4443	18:38	G0666-06A	MW60050908	36429	AQ	1	123	115	109															400		OK, CB=14.6	7
V2K4444	19:09	G0666-07A	MW56050908	36429	AQ	1	123	119	115															1		RRX1	7
V2K4445	19:40	G0666-08A	MW55050908	36429	AQ	1	135	134	141*				*											1		OK	7
V2K4446	20:11	G0666-08A	MW55050908	36429	AQ	2	112	113	119				*											1	ER	OK	7
V2K4447	20:43	G0666-08AMS	MW55050908MS	36429	AQ	3	110	108	115				*													machine stopped. MSD didn't run	

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

WL 5/14/08

Logbook ID 90.0206-03/08

METHOD: CAL ID: ANALYST:

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: OLC-W
ICAL DATE: 5/13/08

ANALYST: WL
EMV:

BATCH: 080605.B

Start: 05-JUN-08 09:34
End: 05-JUN-08 20:00

Comments:

IS-VW080602D
DMCA-VW080602E
DMCB-VW080602F
STD-VW080602G
Ketone-VW080602H
OLC-LCS-VW080605B

Reviewed By: HZA 06/06/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	CBZ	DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
V2K4621	09:34	BFBB2	BFBB2		AQ																			1		OK	
V2K4622	10:05	VSTD005B2	VSTD005B2		AQ		100	100	100															1		OK	
V2K4623	10:47	MB-36900	VBLKB2	36900	AQ		133	126	119															1		OK	
V2K4624	12:06	LCS-36900	VB2LCS	36900	AQ		127	121	110															1		OK	
V2K4625	12:37	G0846-01A	130173-TB	36900	AQ	1	112	107	93															1		OK	
V2K4626	13:08	G0846-02A	130173-MW-1-GW	36900	AQ	1	113	109	96															1		OK	2
V2K4627	13:40	G0846-03A	130173-FB-6308	36900	AQ	1	120	118	107															1		OK	2
V2K4628	14:12	G0846-04A	130173-MW-6-GW	36900	AQ	1	107	103	94															1		OK	2
V2K4629	14:44	G0846-05A	130173-MW66-GW	36900	AQ	1	106	103	90															1	E	RRX2, PCE=26	2
V2K4630	15:15	G0846-06A	130173-MW-2-GW	36900	AQ	1	102	100	93															1	E	RRX2, PCE=26	2
V2K4631	15:47	G0846-07A	130173-MW-5-GW	36900	AQ	1	106	102	89															1		RRX1, PCE=17	2
V2K4632	16:19	G0846-02AMS	130173-MW-1-GWM	36900	AQ	2	112	109	99															1		OK, PCE=0	2
V2K4633	16:51	G0846-02AMSD	130173-MW-1-GWM	36900	AQ	3	111	107	97															1		OK	2
V2K4634	18:57	G0859-01A	130173-MW-4-GW	36900	AQ	1	108	106	95															1		OK	2
V2K4635	19:29	G0859-02A	130173-FB-6408	36900	AQ	1	101	98	85															1		RRX1, Tic carryover	2
V2K4636	20:00	G0859-03A	130173-MW-3-GW	36900	AQ	1	93	91	82															1		OK	2
																										OK	2

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

WL 6/6/08

Logbook ID 90.0206-03/08

METHOD:

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: OLC_W
ICAL DATE: 5/13/08

ANALYST: WL
EMV:

BATCH: 080606.B

Start: 06-JUN-08 08:40
End: 06-JUN-08 19:24

Comments:

IS-VW080602D
DMCA-VW080602E
DMCB-VW080602F
STD-VW080602G
Katone-VW080602H
LCS-VW080605B

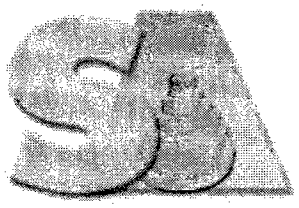
Reviewed By: IM 6/9/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	CBZ	DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
V2K4641	08:40	BFBC2	BFBC2		AQ																			1		OK	
V2K4642	09:11	VSTD005C2	VSTD005C2		AQ		100	100	100															1		OK	
V2K4643	09:54	MB-36921	VBLKC2	36921	AQ		107	103	93															1		OK	2
V2K4644	10:26	G0846-04ADL	130173-MW-6-GWD	36921	AQ	2	104	101	97															2		OK, PCE=11	2
V2K4645	10:58	G0846-05ADL	130173-MW66-GWD	36921	AQ	2	101	99	92															2		OK, PCE=12	2
V2K4646	11:29	G0846-06A	130173-MW-2-GW	36921	AQ	2	105	101	98															1		OK	2
V2K4647	12:01	G0859-01A	130173-MW-4-GW	36921	AQ	2	99	95	89															1		OK	2
V2K4648	12:32	G0864-01A	11MW207S	36921	AQ	1	99	98	91	*														1		OK	2
V2K4649	13:04	G0864-02A	11MW207D	36921	AQ	1	99	99	91	*														1		OK	2
V2K4650	13:35	G0864-03A	FD-060508-01	36921	AQ	1	97	95	88															1		OK	2
V2K4651	14:06	G0864-04A	TRIPBLANK	36921	AQ	1	95	92	85															1		OK	2
V2K4652	14:37	G0864-07A	11MW205S	36921	AQ	1	96	91	87															1		OK	2
V2K4653	15:08	G0864-08A	COMPOSITE	36921	AQ	1	95	96	103				*											1	E	RRX20, Acetone=848	2
V2K4654	15:42	G0864-11A	TRIPBLANK	36921	AQ	1	94	91	88															1		RRX1	2
V2K4655	16:13	G0864-07AMS	11MW205SMS	36921	AQ	2	90	88	84															1	R	OK, Acetone=0	2
V2K4656	16:45	G0864-07AMSD	11MW205SMSD	36921	AQ	3	92	87	82															1	R	OK	2
V2K4657	17:17	G0864-11A	TRIPBLANK	36921	AQ	2	88	83	79															1		OK	2
V2K4658	17:48	VHBLKC2	VHBLKC2	36921	AQ		88	84	79															1		OK (G0846)	
V2K4659	18:20	G0864-08ADL	COMPOSITEDL	36921	AQ	2	90	86	84															20		OK, Acetone=50	2
V2K4660	18:52	VHBLKC2	VHBLKC2	36921	AQ		84	80	77															1		OK, (G0859)	
V2K4661	19:24	VHBLKC2	VHBLKC2	36921	AQ		85	80	74															1		OK, (G0864)	

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

WL 6/9/08

MITKEM LABORATORIES



* Semivolatile Organics *

2G - FORM II SV-1

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

	CLIENT SAMPLE NO.	SDMC1 (PHL) #	SDMC2 (BCE) #	SDMC3 (2CP) #	SDMC4 (4MP) #	SDMC5 (NBZ) #	SDMC6 (2NP) #	SDMC7 (DCP) #	SDMC8 (4CA) #
01	SBLK1I	92	91	97	86	103	97	98 *	87 *
02	130173-MW-1-GW	96	95 *	98	89	99	95	93	69
03	130173-MW-1-GWMS	90	96 *	94	89	101	99	92	76 *
04	130173-MW-1-GWMSD	87	93	93	89	98	94	90	74 *
05	130173-FB-6308	89	88	95	87	97	96	91	81 *
06	130173-MW-6-GW	97	95 *	102	92	103	97	97	86 *
07	130173-MW66-GW	92	89	97	75	99	100	94	75 *
08	130173-MW-2-GW	92	92	99	91	96	94	91	80 *
09	130173-MW-5-GW	93	92	97	86	98	95	93	47
10	S1ILCS	85	90	90	87	91	86	83	74 *

		QC LIMITS
SDMC1	(PHL) = Phenol-d5	(10-110)
SDMC2	(BCE) = bis(2-Chloroethyl)ether-d8	(41-94)
SDMC3	(2CP) = 2-Chlorophenol-d4	(33-110)
SDMC4	(4MP) = 4-Methylphenol-d8	(38-95)
SDMC5	(NBZ) = Nitrobenzene-d5	(35-114)
SDMC6	(2NP) = 2-Nitrophenol-d4	(40-106)
SDMC7	(DCP) = 2,4-Dichlorophenol-d3	(42-98)
SDMC8	(4CA) = 4-Chloroaniline-d4	(8-70)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

EPA OLC

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

	CLIENT SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
01	SBLK1I	94	87	93	92	66	91	100	96	2
02	130173-MW-1-GW	92	86	100	88	84	86	97	97	1
03	130173-MW-1-GWMS	92	79	98	86	89	88	98	101	2
04	130173-MW-1-GWMSD	90	78	98	85	92	89	98	96	1
05	130173-FB-6308	90	82	87	86	74	90	97	93	1
06	130173-MW-6-GW	97	87	99	93	87	93	99	94	2
07	130173-MW66-GW	95	91	101	92	87	92	100	98	1
08	130173-MW-2-GW	94	83	96	90	89	92	97	97	1
09	130173-MW-5-GW	88	79	90	85	82	83	103	85	0
10	S1ILCS	85	79	93	76	68	78	93	84	1

		QC LIMITS
SDMC9	(DMP) = Dimethylphthalate-d6	(62-102)
SDMC10	(ACY) = Acenaphthylene-d8	(49-98)
SDMC11	(4NP) = 4-Nitrophenol-d4	(9-181)
SDMC12	(FLR) = Fluorene-d10	(50-97)
SDMC13	(NMP) = 4,6-Dinitro-2-methylphenol-d2	(53-153)
SDMC14	(ANC) = Anthracene-d10	(55-116)
SDMC15	(PYR) = Pyrene-d10	(47-114)
SDMC16	(BAP) = Benzo(a)pyrene-d12	(54-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

EPA OLC

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix Spike - EPA Sample No.: 130173-MW-1-GW

Instrument ID: S1 GC Column : DB-5MS ID: 0.25 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS %REC	#	QC. LIMITS REC.
Phenol	80.0000	0.0000	66.8605	84		12-110
2-Chlorophenol	80.0000	0.0000	69.4710	87		27-123
N-Nitroso-di-n-propylamine	20.0000	0.0000	18.5007	93		41-116
4-Chloro-3-methylphenol	80.0000	0.0000	68.7793	86		23-97
Acenaphthene	20.0000	0.0000	15.8657	79		46-118
4-Nitrophenol	80.0000	0.0000	55.4312	69		10-80
2,4-Dinitrotoluene	20.0000	0.0000	16.4814	82		24-96
Pentachlorophenol	80.0000	0.0000	82.5197	103	*	9-103
Pyrene	20.0000	0.0000	13.5654	68		26-127

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	80.0000	64.3371	80		5		42	12-110
2-Chlorophenol	80.0000	68.7976	86		1		40	27-123
N-Nitroso-di-n-propylamine	20.0000	17.5849	88		6		38	41-116
4-Chloro-3-methylphenol	80.0000	65.2246	82		5		42	23-97
Acenaphthene	20.0000	15.3581	77		3		31	46-118
4-Nitrophenol	80.0000	55.1276	69		0		50	10-80
2,4-Dinitrotoluene	20.0000	16.1561	81		1		38	24-96
Pentachlorophenol	80.0000	79.5343	99		4		50	9-103
Pyrene	20.0000	13.3785	67		1		31	26-127

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

* Values outside of QC limits

RPD: 0 out of 9 outside limits

Spike Recovery: 1 out of 18 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

S1ILCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab Sample ID: LCS-36876 LCS Lot No.:

Date Extracted: 06/04/2008 Date Analyzed (1): 06/12/2008

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS %REC	#	QC. LIMITS REC.
Phenol	80	0	62.8600	79		12-110
2-Chlorophenol	80	0	65.8878	82		27-123
N-Nitroso-di-n-propylamine	20	0	17.7283	89		41-116
4-Chloro-3-methylphenol	80	0	60.5753	76		23-97
Acenaphthene	20	0	14.4369	72		46-118
4-Nitrophenol	80	0	46.5285	58		10-80
2,4-Dinitrotoluene	20	0	14.6563	73		24-96
Pentachlorophenol	80	0	60.8320	76		9-103
Pyrene	20	0	11.9877	60		26-127

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

* Values outside of QC limits

Spike Recovery: 0 out of 9 outside limits

COMMENTS:

EPA OLC

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: S1F7244.D Lab Sample ID: MB-36876

Instrument ID: S1 Date Extracted: 06/04/2008

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/12/2008

Level: (LOW/MED) LOW Time Analyzed: 12:02

Extraction: (Type) CONT GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	130173-MW-1-GW	G0846-02B	S1F7249.D	06/12/2008
02	130173-MW-1-GWMS	G0846-02BMS	S1F7250.D	06/12/2008
03	130173-MW-1-GWMSD	G0846-02BMSD	S1F7251.D	06/12/2008
04	130173-FB-6308	G0846-03B	S1F7252.D	06/12/2008
05	130173-MW-6-GW	G0846-04B	S1F7253.D	06/12/2008
06	130173-MW66-GW	G0846-05B	S1F7254.D	06/12/2008
07	130173-MW-2-GW	G0846-06B	S1F7255.D	06/12/2008
08	130173-MW-5-GW	G0846-07B	S1F7256.D	06/12/2008
09	S1ILCS	LCS-36876	S1F7257.D	06/12/2008

COMMENTS:

EPA OLC

5B - FORM V SV

SEMIVOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: S1F7230.D DFTPP Injection Date: 06/11/2008

Instrument ID: S1 DFTPP Injection Time: 15:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	36.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	48.1
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	25.0 - 75.0% of mass 198	44.5
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	20.9
365	Greater than 0.75% of mass 198	2.2
441	Present, but less than mass 443	5.7
442	40.0 - 110.0% of mass 198	81.2
443	15.0 - 24.0% of mass 442	15.8 (19.5)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0201I	SSTD0201I	S1F7231.D	06/11/2008	16:23
02	SSTD0051I	SSTD0051I	S1F7232.D	06/11/2008	17:00
03	SSTD0801I	SSTD0801I	S1F7233.D	06/11/2008	17:38
04	SSTD0101I	SSTD0101I	S1F7234.D	06/11/2008	18:15
05	SSTD0501I	SSTD0501I	S1F7235.D	06/11/2008	18:52

EPA OLC

5B - FORM V SV

SEMIVOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Lab File ID: S1F7240.D DFTPP Injection Date: 06/12/2008

Instrument ID: S1 DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	35.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	46.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	42.7
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	20.2
365	Greater than 0.75% of mass 198	2.2
441	Present, but less than mass 443	4.5
442	40.0 - 110.0% of mass 198	80.4
443	15.0 - 24.0% of mass 442	15.3 (19.0)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0201J	SSTD0201J	S1F7241.D	06/12/2008	10:14
02	SBLK1I	MB-36876	S1F7244.D	06/12/2008	12:02
03	130173-MW-1-GW	G0846-02B	S1F7249.D	06/12/2008	15:10
04	130173-MW-1-GWMS	G0846-02BMS	S1F7250.D	06/12/2008	15:45
05	130173-MW-1-GWMSD	G0846-02BMSD	S1F7251.D	06/12/2008	16:19
06	130173-FB-6308	G0846-03B	S1F7252.D	06/12/2008	16:54
07	130173-MW-6-GW	G0846-04B	S1F7253.D	06/12/2008	17:28
08	130173-MW66-GW	G0846-05B	S1F7254.D	06/12/2008	18:02
09	130173-MW-2-GW	G0846-06B	S1F7255.D	06/12/2008	18:37
10	130173-MW-5-GW	G0846-07B	S1F7256.D	06/12/2008	19:11
11	S1ILCS	LCS-36876	S1F7257.D	06/12/2008	19:45

EPA OLC

0201

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Date Analyzed: 06/12/2008

Lab File ID (Standard): S1F7241.D Time Analyzed: 10:14

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	190289		8.098		687175		10.216		311898		13.069	
	UPPER LIMIT	380578		8.428		1374350		10.546		623796		13.399	
	LOWER LIMIT	95145		7.768		343588		9.886		155949		12.739	
	SAMPLE NO.												
01	SBLK1I	255499		8.098		907316		10.216		445049		13.069	
02	130173-MW-1-GW	266615		8.099		995905		10.217		478329		13.059	
03	130173-MW-1-GWMS	257484		8.101		929391		10.219		471059		13.061	
04	130173-MW-1-GWMSD	252817		8.098		965520		10.216		470997		13.069	
05	130173-FB-6308	266751		8.097		958475		10.215		467653		13.068	
06	130173-MW-6-GW	267604		8.099		989512		10.217		484128		13.059	
07	130173-MW66-GW	273155		8.100		966832		10.218		455291		13.060	
08	130173-MW-2-GW	262901		8.097		999816		10.215		471062		13.057	
09	130173-MW-5-GW	275756		8.098		1030772		10.216		516729		13.058	
10	S1ILCS	265928		8.102		1033726		10.220		484669		13.062	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

EPA OLC

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Date Analyzed: 06/12/2008

Lab File ID (Standard): S1F7241.D Time Analyzed: 10:14

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	490490		15.446		525221		19.703		458081		21.832	
	UPPER LIMIT	980980		15.776		1050442		20.033		916162		22.162	
	LOWER LIMIT	245245		15.116		262611		19.373		229041		21.502	
	SAMPLE NO.												
01	SBLK1I	664979		15.446		675501		19.692		607069		21.832	
02	130173-MW-1-GW	726770		15.447		726591		19.694		611906		21.833	
03	130173-MW-1-GWMS	672105		15.449		692735		19.696		569982		21.824	
04	130173-MW-1-GWMSD	644934		15.446		687202		19.693		583411		21.832	
05	130173-FB-6308	687490		15.445		741515		19.703		634661		21.831	
06	130173-MW-6-GW	706474		15.447		744599		19.693		661433		21.833	
07	130173-MW66-GW	655566		15.437		705961		19.695		595731		21.823	
08	130173-MW-2-GW	694977		15.445		733397		19.692		646865		21.831	
09	130173-MW-5-GW	747597		15.446		748835		19.692		655813		21.832	
10	S1ILCS	710781		15.439		729227		19.696		636006		21.825	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7249.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7249.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-1-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7249.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

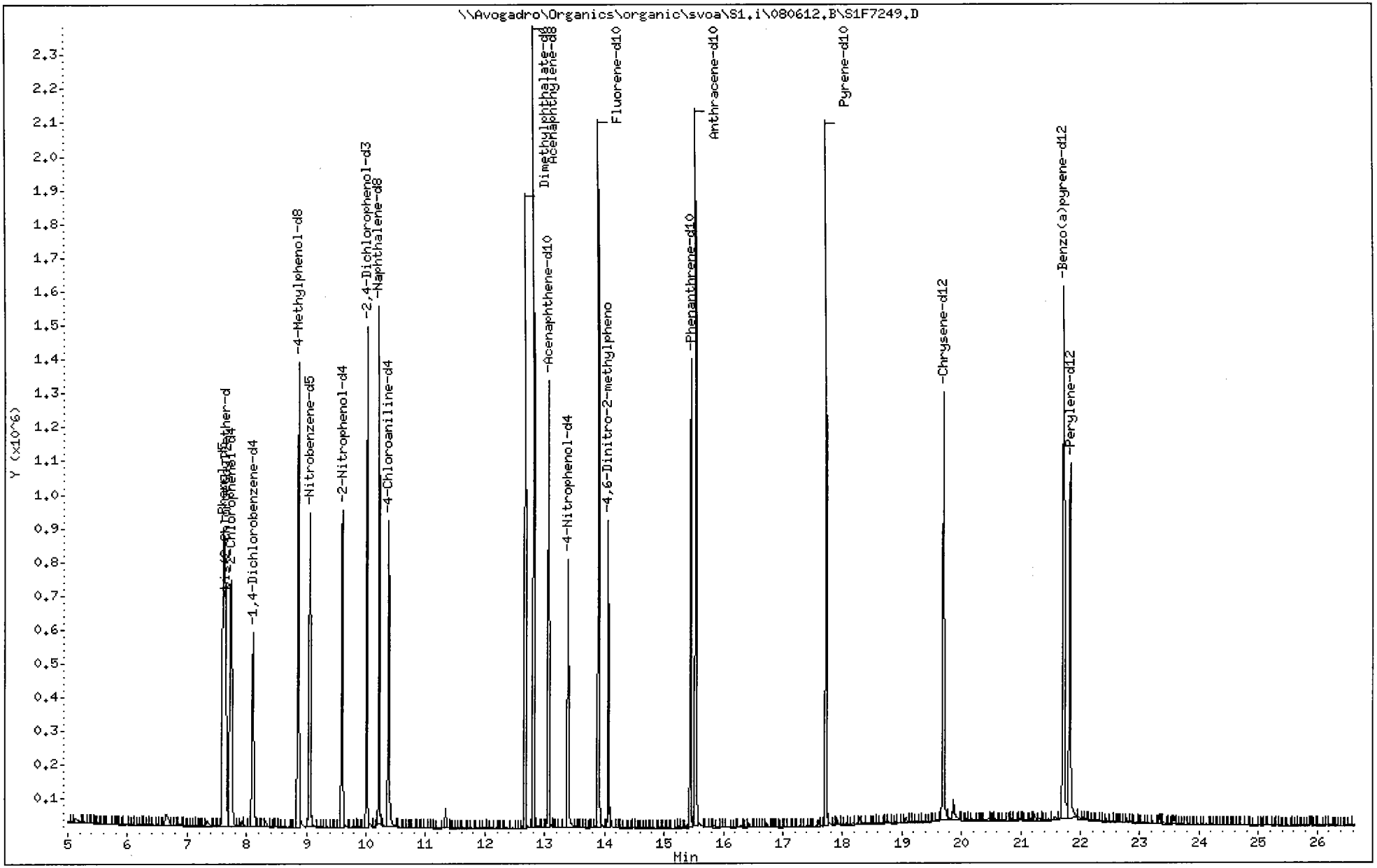
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7249.D
Date : 12-JUN-2008 15:10
Client ID: 130173-MW-1-GW
Instrument: S1.i
Sample Info: G0846-02B,,36876,,
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F7249.D
Report Date: 13-Jun-2008 12:32

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7249.D
Lab Smp Id: G0846-02B Client Smp ID: 130173-MW-1-GW
Inj Date : 12-JUN-2008 15:10
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-02B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.612	7.622	(0.940)	1249106	38.2593	38
$	4 bis(2-Chloroethyl)ether-d8	67	7.645	7.633	(0.944)	394908	37.8552	38(R)
$	6 2-Chlorophenol-d4	132	7.731	7.730	(0.955)	662368	39.2207	39
*	8 1,4-Dichlorobenzene-d4	152	8.099	8.097	(1.000)	266615	20.0000	
$	11 4-Methylphenol-d8	113	8.866	8.865	(1.095)	493266	35.5448	36
$	16 Nitrobenzene-d5	128	9.060	9.059	(0.887)	355468	39.4930	39
$	19 2-Nitrophenol-d4	143	9.601	9.599	(0.940)	384422	37.9698	38
$	23 2,4-Dichlorophenol-d3	165	10.011	10.010	(0.980)	500154	37.2615	37
*	25 Naphthalene-d8	136	10.217	10.215	(1.000)	995905	20.0000	
$	27 4-Chloroaniline-d4	131	10.368	10.377	(1.015)	492099	27.4549	27
$	40 Dimethylphthalate-d6	166	12.680	12.679	(0.971)	1285777	36.9402	37
$	43 Acenaphthylene-d8	160	12.810	12.809	(0.981)	1463374	34.2677	34
*	46 Acenaphthene-d10	164	13.058	13.068	(1.000)	478329	20.0000	
$	49 4-Nitrophenol-d4	143	13.393	13.414	(1.026)	269316	39.8397	40(Q)
$	54 Fluorene-d10	176	13.901	13.900	(1.065)	929758	35.3648	35
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.063	14.084	(0.910)	223946	33.6590	34(Q)
*	65 Phenanthrene-d10	188	15.447	15.445	(1.000)	726770	20.0000	
$	67 Anthracene-d10	188	15.533	15.532	(1.006)	1353104	34.4601	34
$	72 Pyrene-d10	212	17.727	17.714	(0.900)	1188294	38.6306	39
	79 bis(2-Ethylhexyl)phthalate	149	19.866	19.865	(1.009)	40712	1.06777	1.1(a)
*	77 Chrysene-d12	240	19.693	19.703	(1.000)	726591	20.0000	

<MDL
YP 6/16/08

Data File: S1F7249.D
Report Date: 13-Jun-2008 12:32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 83 Benzo(a)pyrene-d12	264	21.725	21.713	(0.995)	1018371	38.9560	39
* 85 Perylene-d12	264	21.833	21.831	(1.000)	611906	20.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

Data File: S1F7249.D
Report Date: 13-Jun-2008 12:32

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7249.D
Lab Smp Id: G0846-02B Client Smp ID: 130173-MW-1-GW
Inj Date : 12-JUN-2008 15:10
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-02B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7249.D

Date : 12-JUN-2008 15:10

Client ID: 130173-MW-1-GW

Instrument: S1.i

Sample Info: G0846-02B,,36876,,

Volume Injected (uL): 1.0

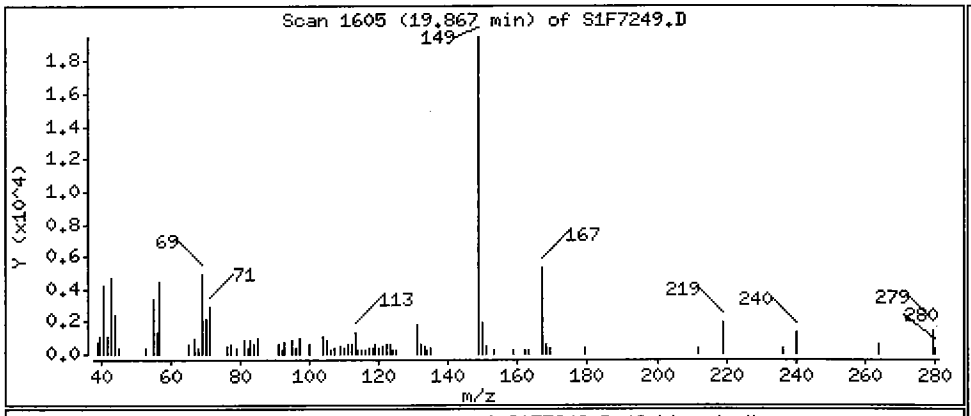
Operator: DK SRC: LIMS

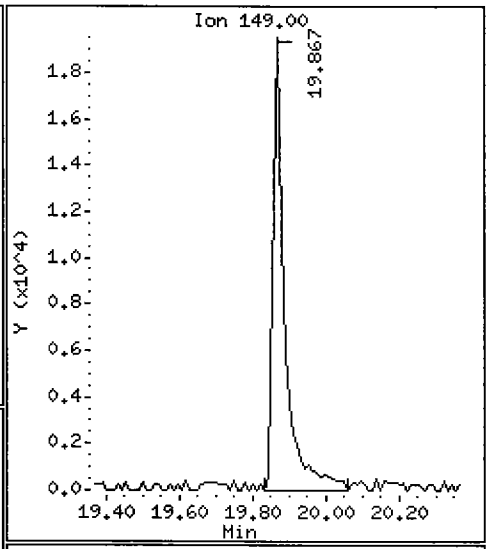
Column phase: DB-5MS

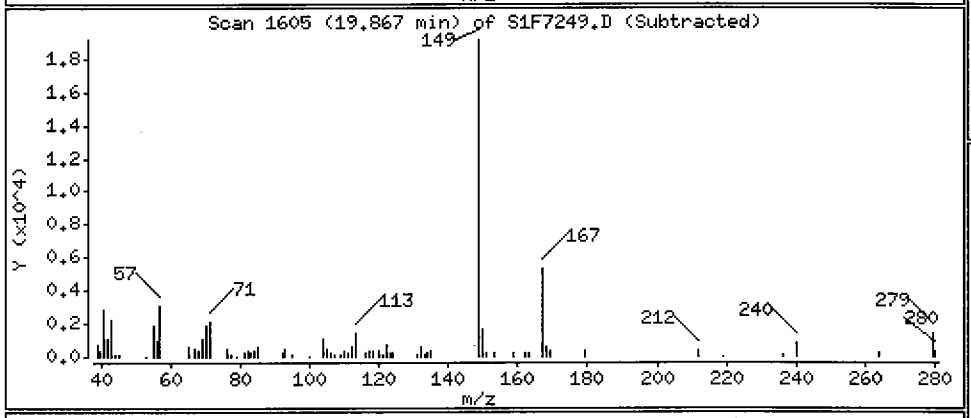
Column diameter: 0.25

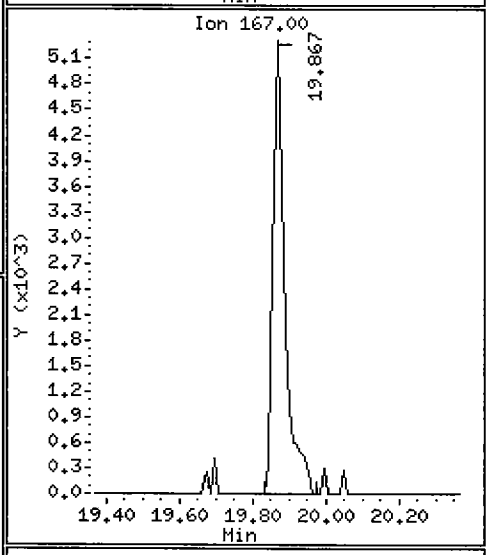
79 bis(2-Ethylhexyl)phthalate

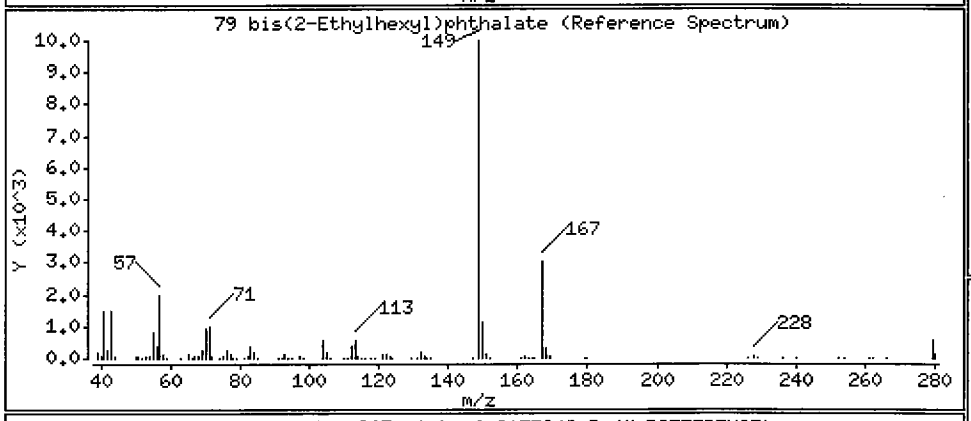
Concentration: 1.1 ug/L

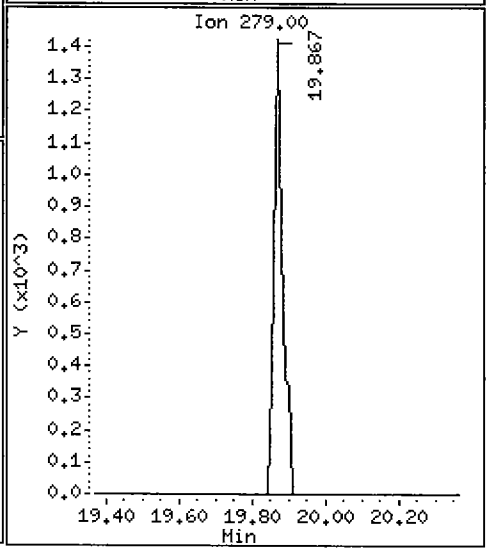


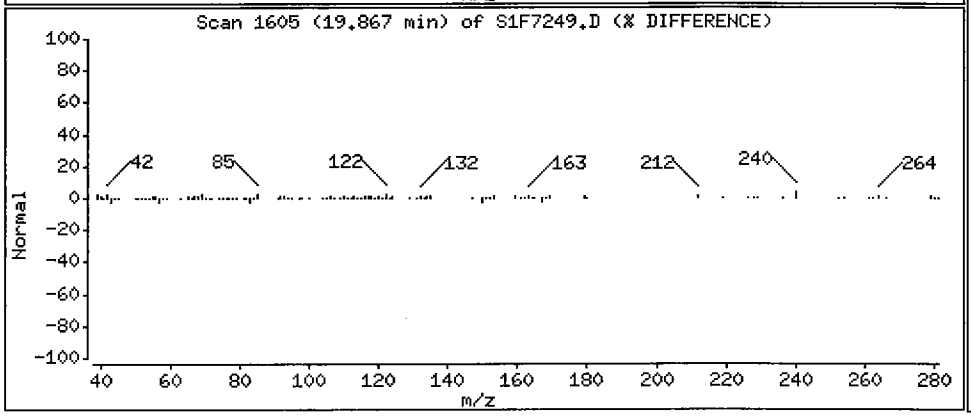












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7252.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7252.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-FB-6308

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7252.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

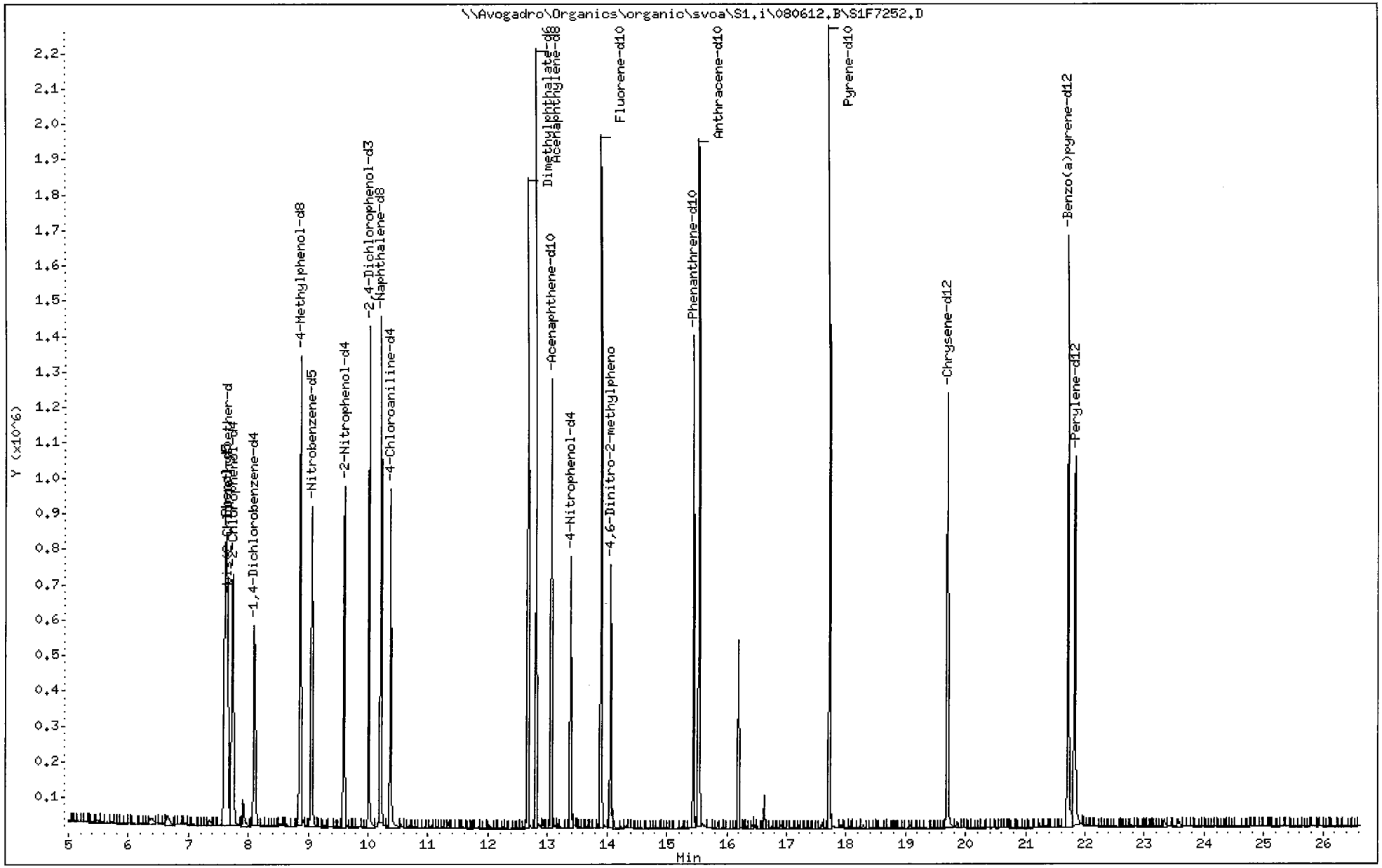
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	7.914	2.4	NJ
02	82304-66-3	7,9-Di-tert-butyl-1-oxaspiro	16.202	8.5	NJ
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7252.D
Date : 12-JUN-2008 16:54
Client ID: 130173-FB-6308
Instrument: S1.i
Sample Info: G0846-03B,,36876,,
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F7252.D
Report Date: 13-Jun-2008 12:32

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7252.D
Lab Smp Id: G0846-03B Client Smp ID: 130173-FB-6308
Inj Date : 12-JUN-2008 16:54
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-03B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 2 Phenol-d5	99	7.621	7.622	(0.941)	1166852	35.7217	36
$ 4 bis(2-Chloroethyl)ether-d8	67	7.643	7.633	(0.944)	367169	35.1782	35
$ 6 2-Chlorophenol-d4	132	7.729	7.730	(0.955)	642653	38.0339	38
* 8 1,4-Dichlorobenzene-d4	152	8.097	8.097	(1.000)	266751	20.0000	
$ 11 4-Methylphenol-d8	113	8.864	8.865	(1.095)	483652	34.8342	35
$ 16 Nitrobenzene-d5	128	9.059	9.059	(0.887)	335351	38.7129	39
$ 19 2-Nitrophenol-d4	143	9.599	9.599	(0.940)	375999	38.5882	39
$ 23 2,4-Dichlorophenol-d3	165	10.009	10.010	(0.980)	472419	36.5697	37
* 25 Naphthalene-d8	136	10.215	10.215	(1.000)	958475	20.0000	
$ 27 4-Chloroaniline-d4	131	10.377	10.377	(1.016)	557534	32.3203	32(R)
$ 40 Dimethylphthalate-d6	166	12.678	12.679	(0.970)	1222743	35.9312	36
$ 43 Acenaphthylene-d8	160	12.808	12.809	(0.980)	1372564	32.8750	33
* 46 Acenaphthene-d10	164	13.067	13.068	(1.000)	467653	20.0000	
$ 49 4-Nitrophenol-d4	143	13.392	13.414	(1.025)	229220	34.6824	35(Q)
$ 54 Fluorene-d10	176	13.900	13.900	(1.064)	885996	34.4696	34
$ 58 4,6-Dinitro-2-methylphenol-d2	200	14.062	14.084	(0.910)	186961	29.7057	30(Q)
* 65 Phenanthrene-d10	188	15.445	15.445	(1.000)	687490	20.0000	
$ 67 Anthracene-d10	188	15.542	15.532	(1.006)	1344154	36.1881	36
$ 72 Pyrene-d10	212	17.725	17.714	(0.900)	1221377	38.9069	39
* 77 Chrysene-d12	240	19.702	19.703	(1.000)	741515	20.0000	
$ 83 Benzo(a)pyrene-d12	264	21.723	21.713	(0.995)	1008515	37.1957	37

Data File: S1F7252.D
Report Date: 13-Jun-2008 12:32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 85 Perylene-d12	264	21.831	21.831	(1.000)	634661	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

Data File: S1F7252.D
Report Date: 13-Jun-2008 12:32

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7252.D
Lab Smp Id: G0846-03B Client Smp ID: 130173-FB-6308
Inj Date : 12-JUN-2008 16:54
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-03B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 8 1,4-Dichlorobenzene-d4	8.097	1413714	20.000
* 65 Phenanthrene-d10	15.445	1802280	20.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethanol, 2-(2-ethoxyethoxy)-					CAS #: 111-90-0		
7.914	167905	2.37536645	2.4	90	NIST2002.L	14592	8
7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,					CAS #: 82304-66-3		
16.202	769017	8.53382306	8.5	99	NIST2002.L	104141	65

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7252.D

Date : 12-JUN-2008 16:54

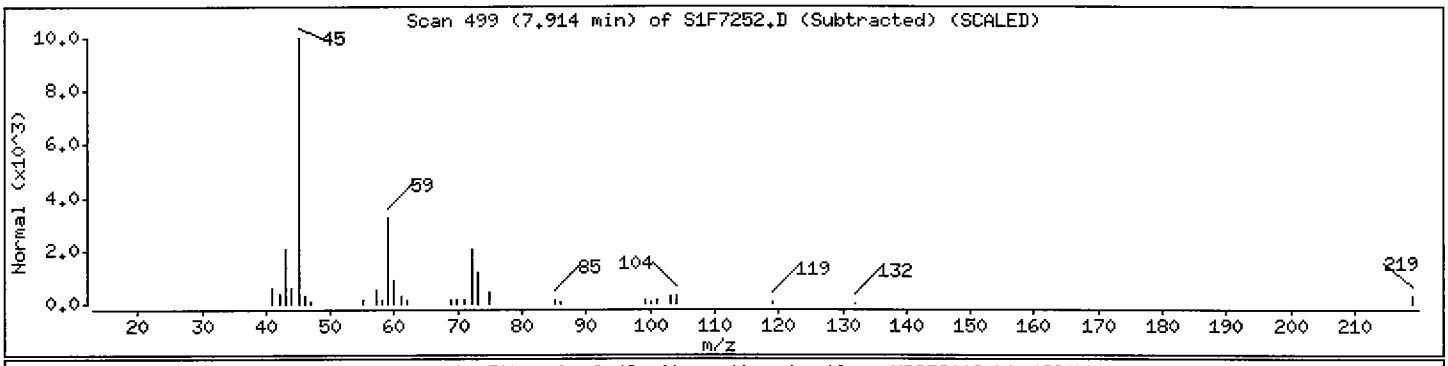
Client ID: 130173-FB-6308 Instrument: S1.i

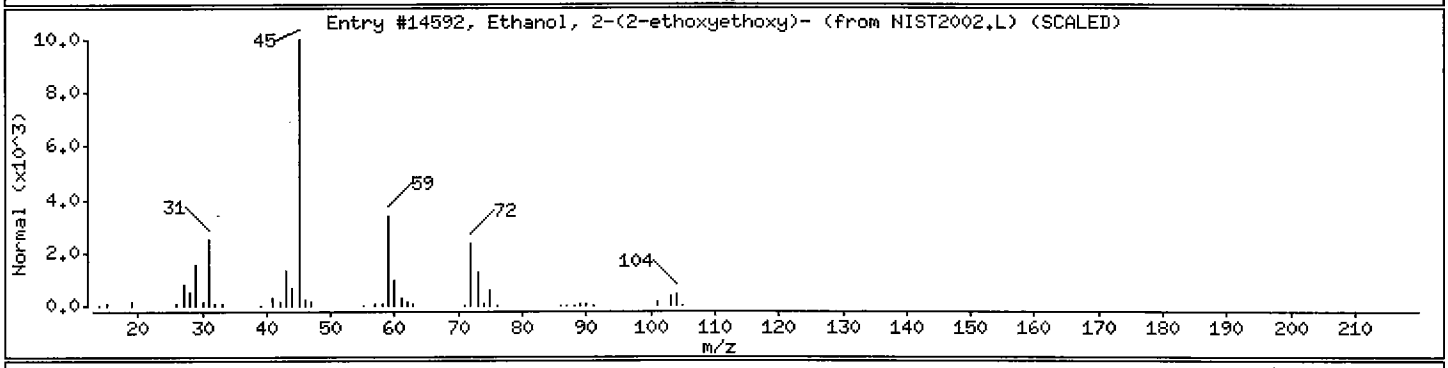
Sample Info: G0846-03B,,36876,,

Volume Injected (uL): 1.0 Operator: DK SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	NIST2002.L	14592	90	C6H14O3	134





Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7252.D

Date : 12-JUN-2008 16:54

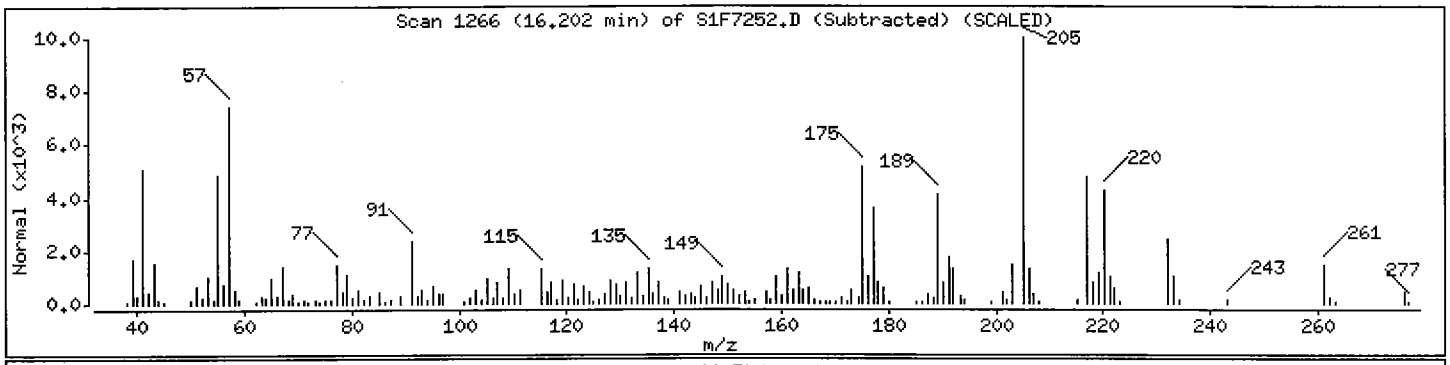
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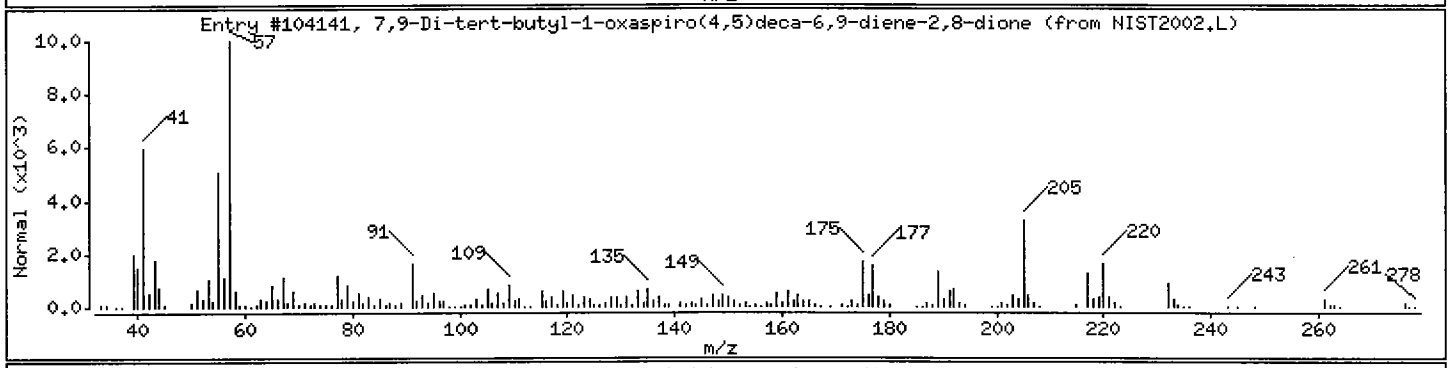
Sample Info: G0846-03B,,36876,,

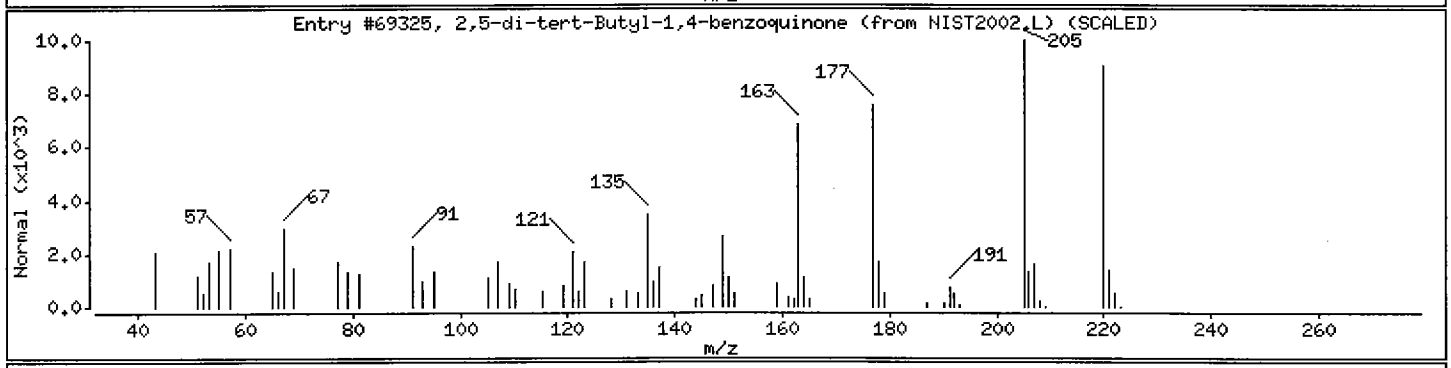
Volume Injected (uL): 1.0 Operator: DK SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,	82304-66-3	NIST2002.L	104141	99	C17H2403	276
2,5-di-tert-Butyl-1,4-benzoquinone	2460-77-7	NIST2002.L	69325	60	C14H2002	220







1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7253.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7253.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-6-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7253.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

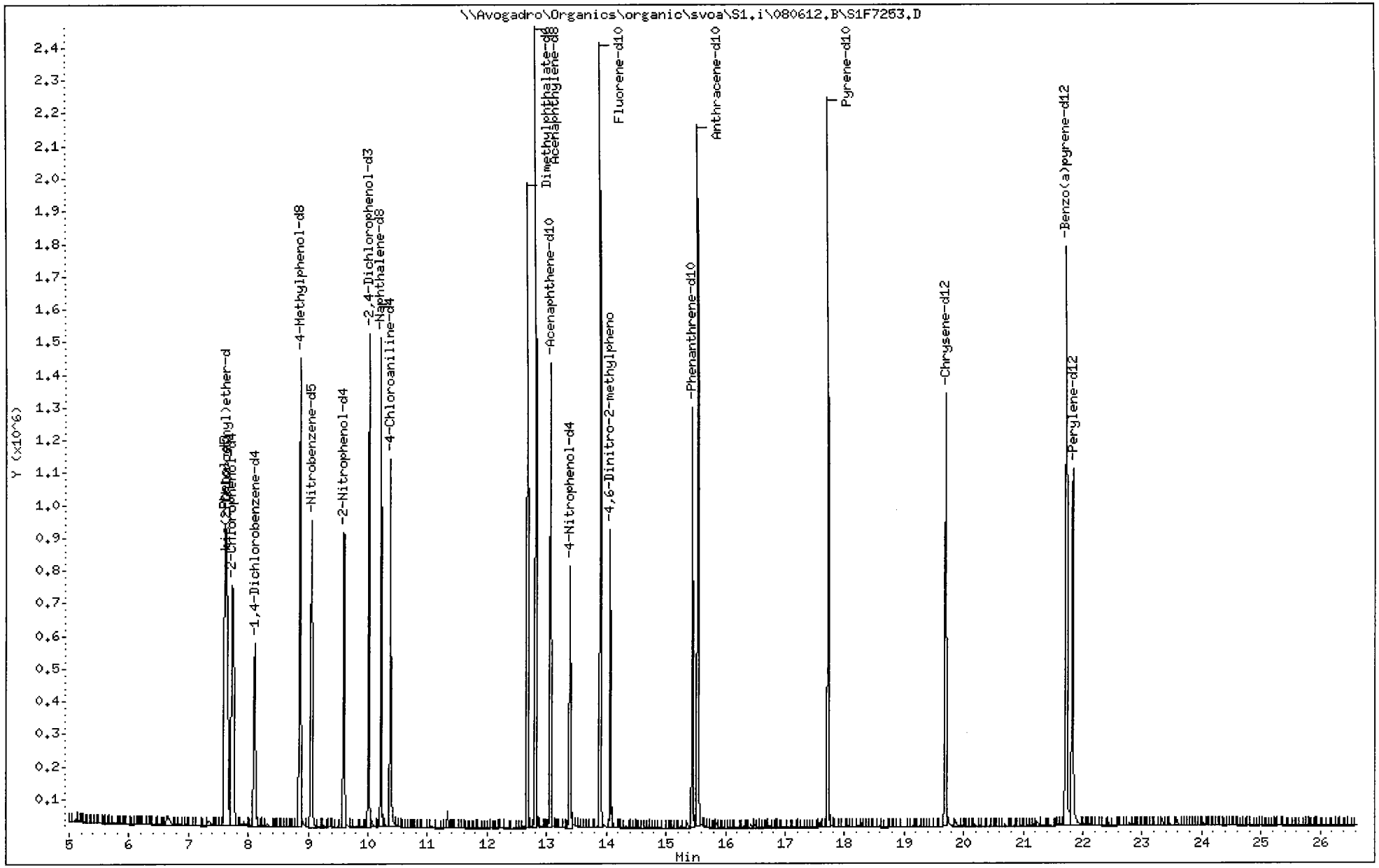
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7253.D
Date : 12-JUN-2008 17:28
Client ID: 130173-MW-6-GW
Instrument: S1.i
Sample Info: G0846-04B,,36876,,
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F7253.D
Report Date: 13-Jun-2008 12:33

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7253.D
Lab Smp Id: G0846-04B Client Smp ID: 130173-MW-6-GW
Inj Date : 12-JUN-2008 17:28
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-04B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 2 Phenol-d5	99	7.612	7.622	(0.940)	1272876	38.8433	39
$ 4 bis(2-Chloroethyl)ether-d8	67	7.634	7.633	(0.943)	399719	38.1747	38(R)
$ 6 2-Chlorophenol-d4	132	7.731	7.730	(0.955)	689530	40.6781	41
* 8 1,4-Dichlorobenzene-d4	152	8.098	8.097	(1.000)	267604	20.0000	
$ 11 4-Methylphenol-d8	113	8.866	8.865	(1.095)	511372	36.7133	37
$ 16 Nitrobenzene-d5	128	9.060	9.059	(0.887)	370156	41.3905	41
$ 19 2-Nitrophenol-d4	143	9.600	9.599	(0.940)	388312	38.6018	39
$ 23 2,4-Dichlorophenol-d3	165	10.011	10.010	(0.980)	518764	38.8976	39
* 25 Naphthalene-d8	136	10.216	10.215	(1.000)	989512	20.0000	
$ 27 4-Chloroaniline-d4	131	10.368	10.377	(1.015)	610917	34.3041	34(R)
$ 40 Dimethylphthalate-d6	166	12.680	12.679	(0.971)	1360134	38.6084	39
$ 43 Acenaphthylene-d8	160	12.810	12.809	(0.981)	1502612	34.7651	35
* 46 Acenaphthene-d10	164	13.058	13.068	(1.000)	484128	20.0000	
$ 49 4-Nitrophenol-d4	143	13.393	13.414	(1.026)	269871	39.4436	39(Q)
$ 54 Fluorene-d10	176	13.901	13.900	(1.065)	990067	37.2077	37
$ 58 4,6-Dinitro-2-methylphenol-d2	200	14.063	14.084	(0.910)	225090	34.8029	35(Q)
* 65 Phenanthrene-d10	188	15.446	15.445	(1.000)	706474	20.0000	
$ 67 Anthracene-d10	188	15.533	15.532	(1.006)	1414718	37.0643	37
$ 72 Pyrene-d10	212	17.726	17.714	(0.900)	1245063	39.4972	39
* 77 Chrysene-d12	240	19.693	19.703	(1.000)	744599	20.0000	
$ 83 Benzo(a)pyrene-d12	264	21.724	21.713	(0.995)	1065271	37.6987	38

Data File: S1F7253.D
Report Date: 13-Jun-2008 12:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 85 Perylene-d12	264	21.832	21.831	(1.000)	661433	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

Data File: S1F7253.D
Report Date: 13-Jun-2008 12:33

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7253.D
Lab Smp Id: G0846-04B Client Smp ID: 130173-MW-6-GW
Inj Date : 12-JUN-2008 17:28
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-04B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7254.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7254.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW66-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7254.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

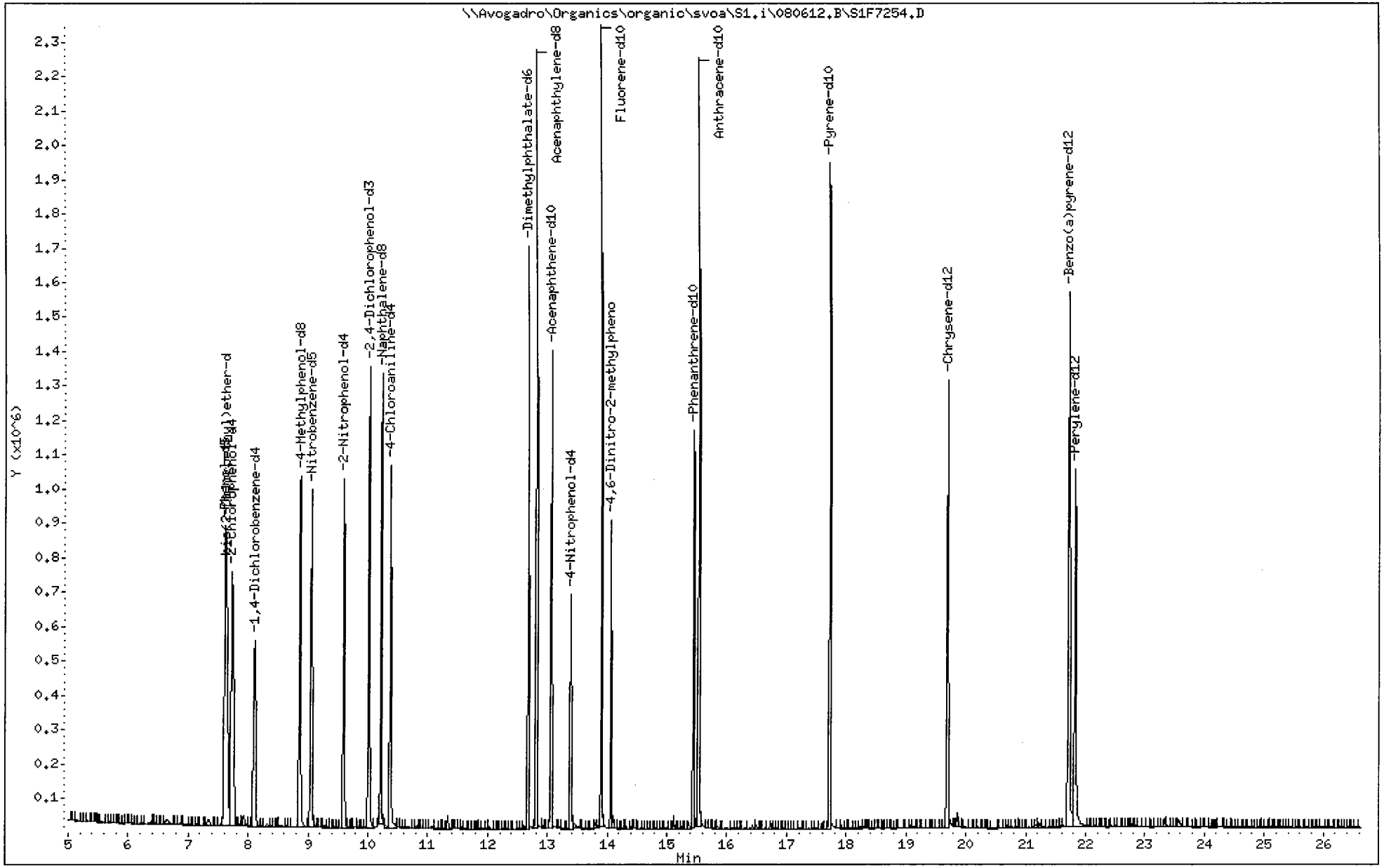
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7254.D
Date : 12-JUN-2008 18:02
Client ID: 130173-MW66-GW
Instrument: S1.i
Sample Info: G0846-05B,,36876,,
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



1529

Data File: S1F7254.D
Report Date: 13-Jun-2008 12:33

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7254.D
Lab Smp Id: G0846-05B Client Smp ID: 130173-MW66-GW
Inj Date : 12-JUN-2008 18:02
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-05B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.613	7.622	(0.940)	1229393	36.7539	37
$	4 bis(2-Chloroethyl)ether-d8	67	7.635	7.633	(0.943)	379611	35.5176	36
$	6 2-Chlorophenol-d4	132	7.722	7.730	(0.953)	673468	38.9232	39
*	8 1,4-Dichlorobenzene-d4	152	8.100	8.097	(1.000)	273155	20.0000	
$	11 4-Methylphenol-d8	113	8.867	8.865	(1.095)	424719	29.8725	30
$	16 Nitrobenzene-d5	128	9.051	9.059	(0.886)	347487	39.7672	40
$	19 2-Nitrophenol-d4	143	9.591	9.599	(0.939)	393147	39.9993	40
$	23 2,4-Dichlorophenol-d3	165	10.012	10.010	(0.980)	490022	37.6044	38
*	25 Naphthalene-d8	136	10.218	10.215	(1.000)	966832	20.0000	
$	27 4-Chloroaniline-d4	131	10.369	10.377	(1.015)	524464	30.1405	30(R)
$	40 Dimethylphthalate-d6	166	12.671	12.679	(0.970)	1261530	38.0775	38
$	43 Acenaphthylene-d8	160	12.811	12.809	(0.981)	1484595	36.5238	37
*	46 Acenaphthene-d10	164	13.060	13.068	(1.000)	455291	20.0000	
$	49 4-Nitrophenol-d4	143	13.395	13.414	(1.026)	258726	40.2098	40(Q)
$	54 Fluorene-d10	176	13.902	13.900	(1.065)	920855	36.7985	37
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.064	14.084	(0.911)	208238	34.6975	35(Q)
*	65 Phenanthrene-d10	188	15.437	15.445	(1.000)	655566	20.0000	
$	67 Anthracene-d10	188	15.534	15.532	(1.006)	1296383	36.6016	37
$	72 Pyrene-d10	212	17.717	17.714	(0.900)	1198346	40.0958	40
*	77 Chrysene-d12	240	19.694	19.703	(1.000)	705961	20.0000	
$	83 Benzo(a)pyrene-d12	264	21.726	21.713	(0.996)	996134	39.1399	39

Data File: S1F7254.D
Report Date: 13-Jun-2008 12:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 85 Perylene-d12	264	21.823	21.831	(1.000)	595731	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

Data File: S1F7254.D
Report Date: 13-Jun-2008 12:33

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7254.D
Lab Smp Id: G0846-05B Client Smp ID: 130173-MW66-GW
Inj Date : 12-JUN-2008 18:02
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-05B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7255.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7255.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

EPA OLC

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-2-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7255.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

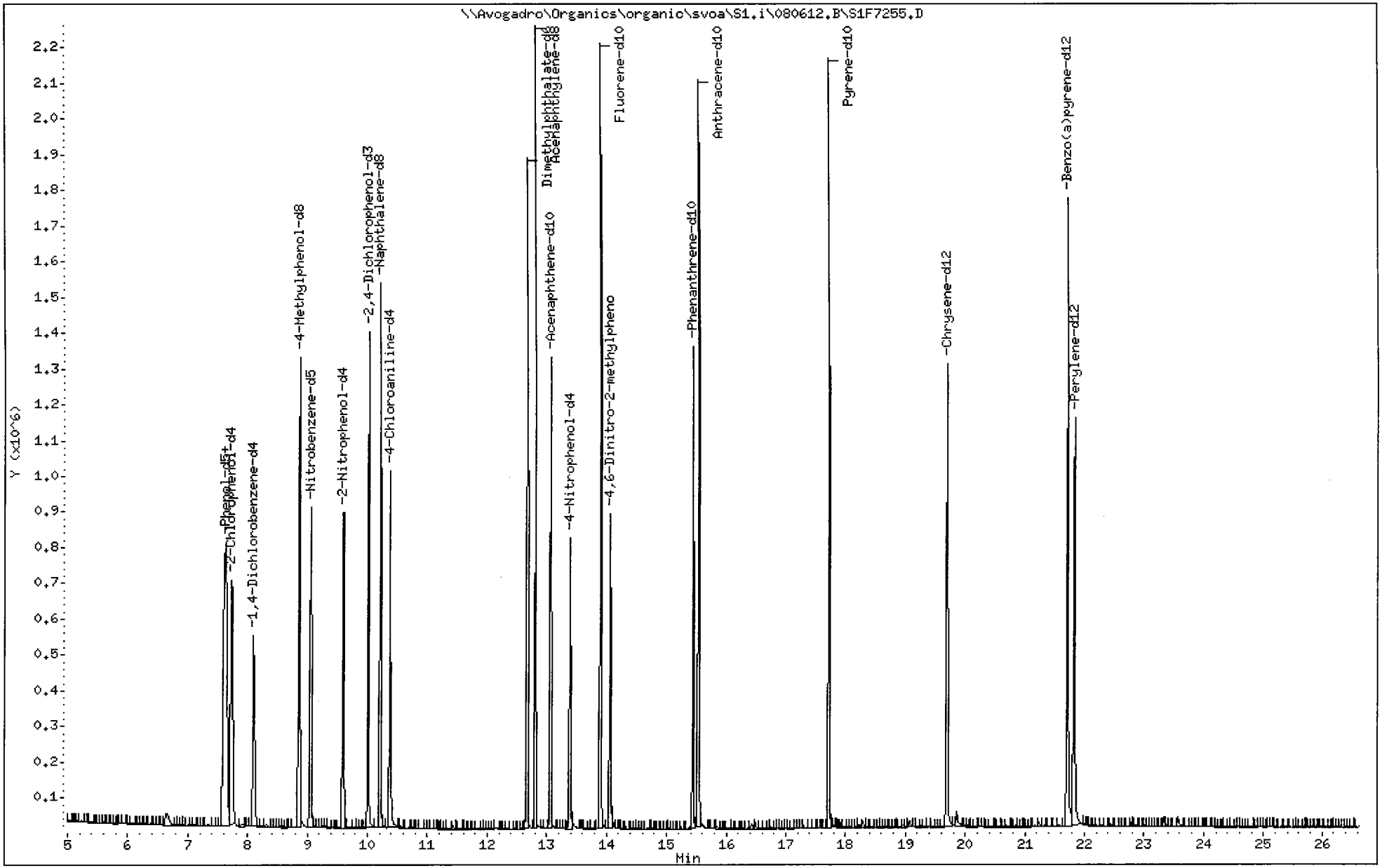
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7255.D
Date : 12-JUN-2008 18:37
Client ID: 130173-MW-2-GW
Instrument: S1.i
Sample Info: G0846-06B,,36876,,
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



0220

Data File: S1F7255.D
Report Date: 13-Jun-2008 12:33

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7255.D
Lab Smp Id: G0846-06B Client Smp ID: 130173-MW-2-GW
Inj Date : 12-JUN-2008 18:37
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-06B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 2 Phenol-d5	99	7.621	7.622	(0.941)	1190178	36.9694	37
$ 4 bis(2-Chloroethyl)ether-d8	67	7.632	7.633	(0.943)	376569	36.6072	37
$ 6 2-Chlorophenol-d4	132	7.719	7.730	(0.953)	661501	39.7227	40
* 8 1,4-Dichlorobenzene-d4	152	8.097	8.097	(1.000)	262901	20.0000	
$ 11 4-Methylphenol-d8	113	8.864	8.865	(1.095)	495940	36.2423	36
$ 16 Nitrobenzene-d5	128	9.059	9.059	(0.887)	345799	38.2685	38
$ 19 2-Nitrophenol-d4	143	9.599	9.599	(0.940)	383336	37.7144	38
$ 23 2,4-Dichlorophenol-d3	165	10.010	10.010	(0.980)	492870	36.5752	37
* 25 Naphthalene-d8	136	10.215	10.215	(1.000)	999816	20.0000	
$ 27 4-Chloroaniline-d4	131	10.366	10.377	(1.015)	579409	32.1996	32(R)
$ 40 Dimethylphthalate-d6	166	12.679	12.679	(0.971)	1289782	37.6269	38
$ 43 Acenaphthylene-d8	160	12.808	12.809	(0.981)	1388823	33.0237	33
* 46 Acenaphthene-d10	164	13.057	13.068	(1.000)	471062	20.0000	
$ 49 4-Nitrophenol-d4	143	13.392	13.414	(1.026)	254772	38.2696	38(Q)
$ 54 Fluorene-d10	176	13.900	13.900	(1.065)	928704	35.8697	36
$ 58 4,6-Dinitro-2-methylphenol-d2	200	14.062	14.084	(0.910)	225804	35.4908	35(Q)
* 65 Phenanthrene-d10	188	15.445	15.445	(1.000)	694977	20.0000	
$ 67 Anthracene-d10	188	15.531	15.532	(1.006)	1377198	36.6782	37
$ 72 Pyrene-d10	212	17.725	17.714	(0.900)	1205773	38.8350	39
* 77 Chrysene-d12	240	19.691	19.703	(1.000)	733397	20.0000	
$ 83 Benzo(a)pyrene-d12	264	21.723	21.713	(0.995)	1072348	38.8038	39

Data File: S1F7255.D
Report Date: 13-Jun-2008 12:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 85 Perylene-d12	264	21.831	21.831	(1.000)	646865	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

Data File: S1F7255.D
Report Date: 13-Jun-2008 12:33

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7255.D
Lab Smp Id: G0846-06B Client Smp ID: 130173-MW-2-GW
Inj Date : 12-JUN-2008 18:37
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-06B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7256.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7256.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-5-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7256.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

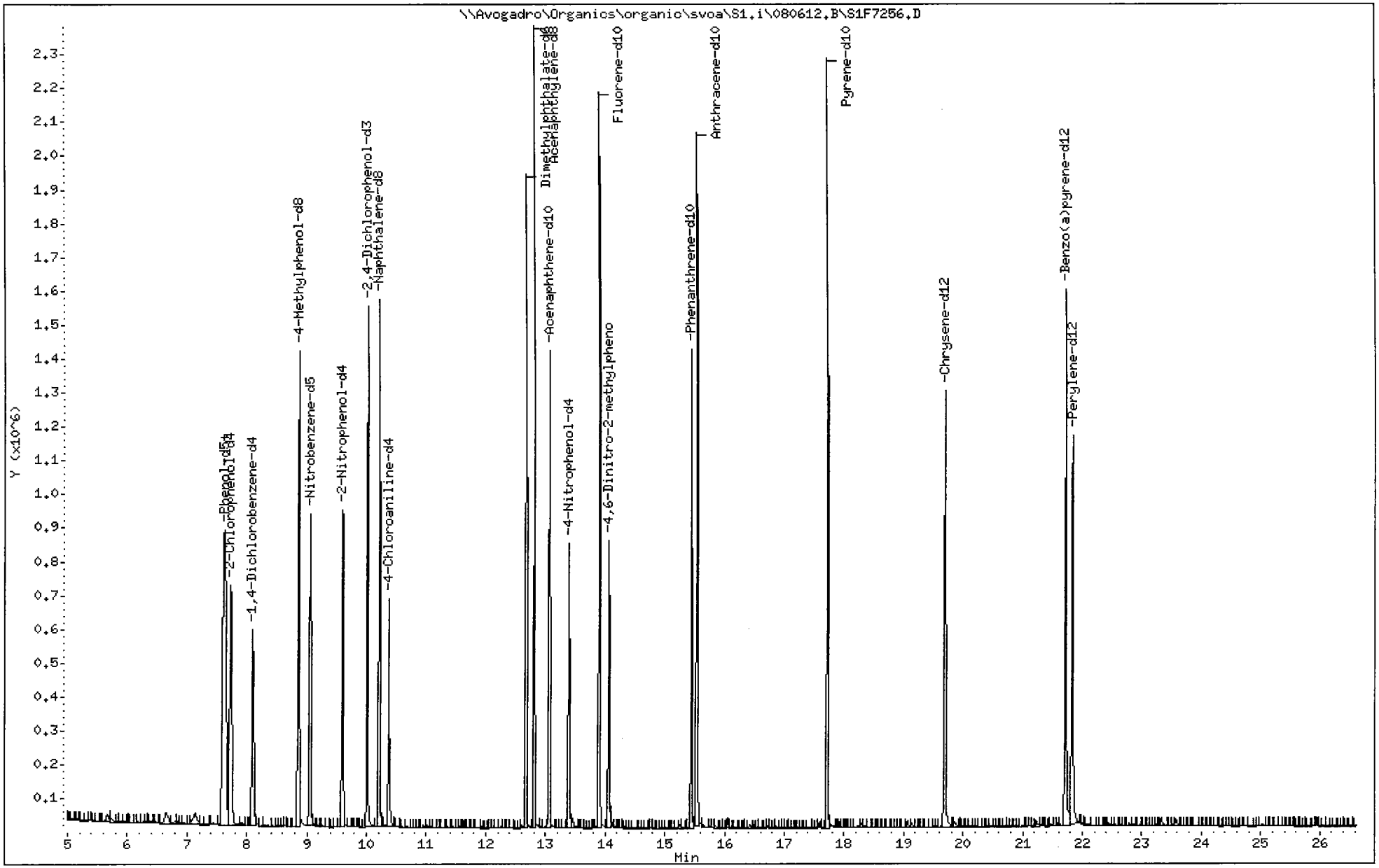
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	7.136	2.0	J
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7256.D
Date : 12-JUN-2008 19:11
Client ID: 130173-MW-5-GW
Instrument: S1.i
Sample Info: G0846-07B,,36876,,
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



S1F7256

Data File: S1F7256.D
Report Date: 13-Jun-2008 12:33

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7256.D
Lab Smp Id: G0846-07B Client Smp ID: 130173-MW-5-GW
Inj Date : 12-JUN-2008 19:11
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-07B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.622	7.622	(0.941)	1256571	37.2121	37
$	4 bis(2-Chloroethyl)ether-d8	67	7.633	7.633	(0.943)	396606	36.7577	37
$	6 2-Chlorophenol-d4	132	7.719	7.730	(0.953)	675433	38.6685	39
*	8 1,4-Dichlorobenzene-d4	152	8.097	8.097	(1.000)	275756	20.0000	
$	11 4-Methylphenol-d8	113	8.865	8.865	(1.095)	495133	34.4966	34
$	16 Nitrobenzene-d5	128	9.059	9.059	(0.887)	364183	39.0926	39
$	19 2-Nitrophenol-d4	143	9.599	9.599	(0.940)	396276	37.8167	38
$	23 2,4-Dichlorophenol-d3	165	10.010	10.010	(0.980)	515153	37.0807	37
*	25 Naphthalene-d8	136	10.215	10.215	(1.000)	1030772	20.0000	
$	27 4-Chloroaniline-d4	131	10.367	10.377	(1.015)	350703	18.9044	19
$	40 Dimethylphthalate-d6	166	12.679	12.679	(0.971)	1317361	35.0350	35
$	43 Acenaphthylene-d8	160	12.809	12.809	(0.981)	1464769	31.7514	32
*	46 Acenaphthene-d10	164	13.057	13.068	(1.000)	516729	20.0000	
$	49 4-Nitrophenol-d4	143	13.392	13.414	(1.026)	263672	36.1062	36(Q)
$	54 Fluorene-d10	176	13.900	13.900	(1.065)	970769	34.1807	34
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.062	14.084	(0.910)	223939	32.7203	33(Q)
*	65 Phenanthrene-d10	188	15.445	15.445	(1.000)	747597	20.0000	
$	67 Anthracene-d10	188	15.532	15.532	(1.006)	1339627	33.1664	33
$	72 Pyrene-d10	212	17.725	17.714	(0.900)	1301042	41.0395	41
*	77 Chrysene-d12	240	19.692	19.703	(1.000)	748835	20.0000	
$	83 Benzo(a)pyrene-d12	264	21.723	21.713	(0.995)	955146	34.0912	34

Data File: S1F7256.D
Report Date: 13-Jun-2008 12:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 85 Perylene-d12	264	21.831	21.831	(1.000)	655813	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

06/13/08 BM

Data File: S1F7256.D
Report Date: 13-Jun-2008 12:33

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7256.D
Lab Smp Id: G0846-07B Client Smp ID: 130173-MW-5-GW
Inj Date : 12-JUN-2008 19:11
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-07B,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 8 1,4-Dichlorobenzene-d4	8.098	1516521	20.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.136	152001	2.00460295	2.0	0		0	8

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7256.D

Date : 12-JUN-2008 19:11

Client ID: 130173-MW-5-GW

Instrument: S1.i

Sample Info: C0846-07B,,36876,,

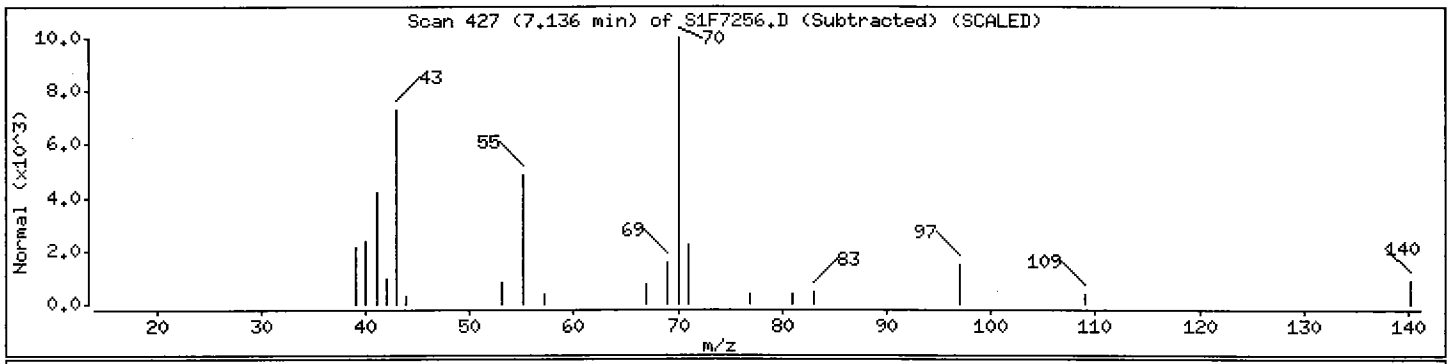
Volume Injected (uL): 1.0

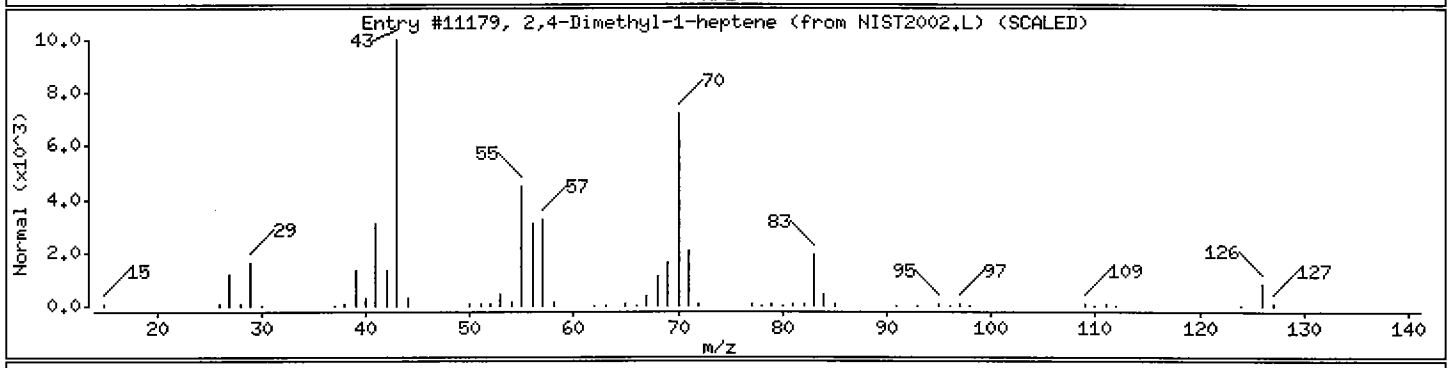
Operator: DK SRC: LIMS

Column phase: DB-5MS

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,4-Dimethyl-1-heptene	19549-87-2	NIST2002.L	11179	64	C9H18	126





6E - FORM VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: S1 Calibration Date(s): 06/11/2008 06/11/2008

Calibration Time(s): 16:23 18:52

LAB FILE ID: RRF005 = S1F7232.D RRF010 = S1F7234.D

RRF020 = S1F7231.D RRF050 = S1F7235.D RRF080 = S1F7233.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF080	RRF	%RSD
Benzaldehyde	0.643	0.653	0.651	0.566	0.587	0.620	6.5
Phenol	1.299	1.332	1.314	1.298	1.335	1.316	1.3
Bis(2-chloroethyl)ether	1.172	1.201	1.173	1.137	1.115	1.160	2.9
2-Chlorophenol	1.324	1.394	1.340	1.389	1.377	1.365	2.3
2-Methylphenol	0.964	0.991	1.023	1.031	1.009	1.004	2.7
2,2´-oxybis(1-Chloropropane)	1.935	1.860	1.887	1.881	1.801	1.873	2.6
Acetophenone	1.498	1.514	1.492	1.506	1.456	1.493	1.5
4-Methylphenol	1.017	1.080	1.024	0.966	0.926	1.003	5.9
N-Nitroso-di-n-propylamine	0.506	0.554	0.520	0.519	0.514	0.523	3.5
Hexachloroethane	0.535	0.555	0.543	0.525	0.475	0.527	5.9
Nitrobenzene	0.297	0.323	0.290	0.273	0.269	0.291	7.4
Isophorone	0.571	0.562	0.540	0.521	0.560	0.551	3.7
2-Nitrophenol	0.222	0.245	0.223	0.216	0.218	0.225	5.2
2,4-Dimethylphenol	0.250	0.249	0.258	0.233	0.255	0.249	4.0
Bis(2-chloroethoxy)methane	0.382	0.395	0.352	0.341	0.342	0.362	6.7
2,4-Dichlorophenol	0.281	0.298	0.285	0.283	0.284	0.286	2.4
Naphthalene	0.999	0.993	0.900	0.865	0.862	0.924	7.3
4-Chloroaniline	0.409	0.401	0.360	0.366	0.377	0.383	5.7
Hexachlorobutadiene	0.172	0.191	0.162	0.166	0.166	0.171	6.6
Caprolactam	0.082	0.059	0.058	0.052	0.070	0.064	18.5
4-Chloro-3-methylphenol	0.226	0.246	0.228	0.225	0.249	0.235	5.0
2-Methylnaphthalene	0.612	0.642	0.596	0.539	0.577	0.593	6.5
Hexachlorocyclopentadiene	0.088	0.121	0.167	0.217	0.229	0.164	36.8
2,4,6-Trichlorophenol	0.358	0.381	0.416	0.388	0.409	0.390	5.9
2,4,5-Trichlorophenol	0.473	0.481	0.384	0.624	0.671	0.526	22.4
1,1´-Biphenyl	1.570	1.575	1.640	1.504	1.409	1.539	5.7
2-Chloronaphthalene	1.211	1.248	1.261	1.165	1.085	1.194	6.0
2-Nitroaniline	0.395	0.352	0.426	0.441	0.490	0.421	12.2
Dimethylphthalate	1.527	1.476	1.583	1.481	1.480	1.509	3.0
2,6-Dinitrotoluene	0.427	0.432	0.456	0.404	0.367	0.417	8.0
Acenaphthylene	1.877	1.820	1.902	1.776	1.662	1.807	5.2
3-Nitroaniline	0.474	0.417	0.468	0.479	0.546	0.477	9.6
Acenaphthene	1.117	1.168	1.253	1.120	1.048	1.141	6.7
2,4-Dinitrophenol	0.093	0.158	0.225	0.280	0.352	0.221	45.7
4-Nitrophenol	0.134	0.142	0.176	0.184	0.219	0.171	20.0
Dibenzofuran	1.643	1.595	1.755	1.611	1.584	1.637	4.2

6F - FORM VI SV-2

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: S1 Calibration Date(s): 06/11/2008 06/11/2008

Calibration Time(s): 16:23 18:52

LAB FILE ID: RRF005 = S1F7232.D RRF010 = S1F7234.D

RRF020 = S1F7231.D RRF050 = S1F7235.D RRF080 = S1F7233.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF080	$\overline{RRF}$	%RSD
2,4-Dinitrotoluene	0.529	0.520	0.523	0.490	0.492	0.511	3.6
Diethylphthalate	1.579	1.583	1.734	1.646	1.575	1.624	4.2
Fluorene	1.312	1.329	1.405	1.284	1.230	1.312	4.9
4-Chlorophenyl-phenylether	0.672	0.646	0.694	0.638	0.583	0.647	6.5
4-Nitroaniline	0.316	0.249	0.303	0.242	0.288	0.279	11.8
4,6-Dinitro-2-methylphenol	0.154	0.190	0.166	0.274	0.310	0.219	31.6
N-Nitrosodiphenylamine [1]	0.615	0.659	0.622	0.619	0.545	0.612	6.7
1,2,4,5-Tetrachlorobenzene	0.599	0.596	0.622	0.602	0.568	0.597	3.2
4-Bromophenyl-phenylether	0.281	0.275	0.295	0.277	0.266	0.279	3.9
Hexachlorobenzene	0.289	0.315	0.299	0.292	0.287	0.297	3.8
Atrazine	0.234	0.227	0.218	0.204	0.177	0.212	10.5
Pentachlorophenol	0.064	0.109	0.139	0.157	0.160	0.126	32.0
Phenanthrene	1.208	1.192	1.198	1.142	1.102	1.169	3.8
Anthracene	1.171	1.135	1.158	1.113	1.103	1.136	2.5
Di-n-butylphthalate	2.044	1.928	1.969	1.785	1.678	1.881	7.8
Fluoranthene	1.231	1.198	1.175	1.182	1.102	1.178	4.0
Pyrene	1.246	1.202	1.074	1.071	1.109	1.140	7.0
Butylbenzylphthalate	0.783	0.798	0.783	0.732	0.762	0.772	3.3
3,3´-Dichlorobenzidine	0.078	0.086	0.085	0.096	0.115	0.092	15.5
Benzo(a)anthracene	1.116	1.124	1.072	1.116	1.075	1.101	2.3
Chrysene	1.176	1.105	1.065	1.072	0.964	1.076	7.1
Bis(2-ethylhexyl)phthalate	1.075	1.141	1.045	1.064	1.067	1.078	3.4
Di-n-octylphthalate	2.086	2.115	2.162	2.124	1.971	2.092	3.5
Benzo(b)fluoranthene	1.307	1.197	1.119	1.330	1.243	1.239	6.9
Benzo(k)fluoranthene	1.508	1.431	1.457	1.308	1.213	1.383	8.7
Benzo(a)pyrene	1.096	1.103	1.139	1.058	1.076	1.095	2.8
Indeno(1,2,3-cd)pyrene	1.006	1.024	1.016	1.076	1.119	1.048	4.6
Dibenzo(a,h)anthracene	0.806	0.872	0.858	0.912	0.897	0.869	4.7
Benzo(g,h,i)perylene	0.864	0.916	0.881	0.958	0.922	0.908	4.1

(1) Cannot be separated from Diphenylamine

6G - FORM VI SV-3

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: S1 Calibration Date(s): 06/11/2008 06/11/2008

Calibration Time(s): 16:23 18:52

LAB FILE ID: RRF005 = S1F7232.D RRF010 = S1F7234.D

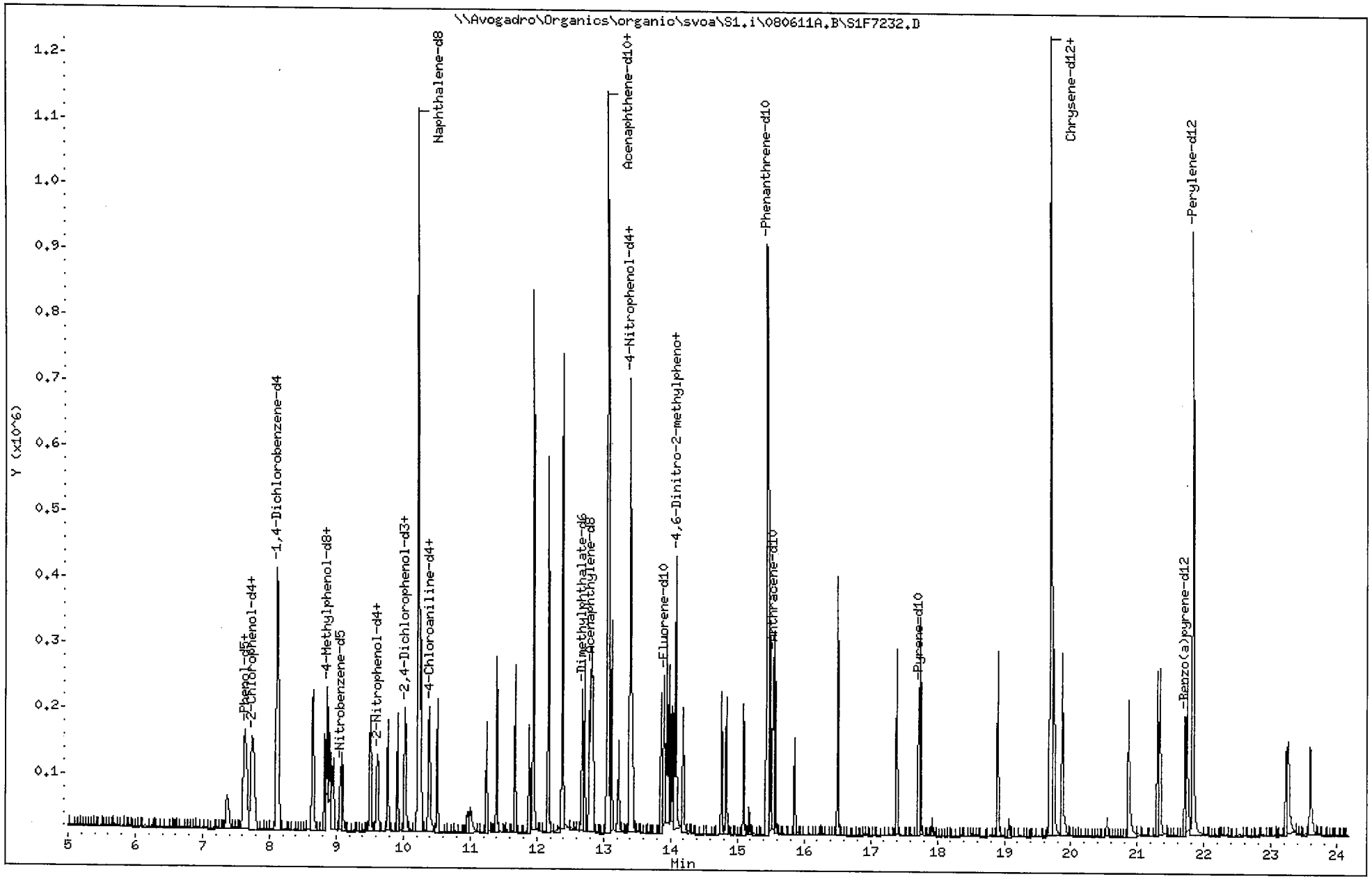
RRF020 = S1F7231.D RRF050 = S1F7235.D RRF080 = S1F7233.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF080	$\overline{RRF}$	%RSD
Phenol-d5	2.486	2.496	2.409	2.453	2.438	2.456	1.5
bis(2-Chloroethyl)ether-d8	0.818	0.826	0.787	0.777	0.775	0.797	3.0
2-Chlorophenol-d4	1.318	1.336	1.313	1.325	1.311	1.321	0.8
4-Methylphenol-d8	1.001	1.066	1.036	1.050	1.021	1.035	2.4
Nitrobenzene-d5	0.193	0.212	0.190	0.191	0.191	0.195	4.9
2-Nitrophenol-d4	0.201	0.216	0.203	0.202	0.203	0.205	3.1
2,4-Dichlorophenol-d3	0.268	0.301	0.283	0.287	0.283	0.284	4.2
4-Chloroaniline-d4	0.366	0.405	0.344	0.338	0.361	0.363	7.2
Dimethylphthalate-d6	1.583	1.451	1.570	1.394	1.387	1.477	6.4
Acenaphthylene-d8	1.783	1.808	1.842	1.644	1.563	1.728	6.9
4-Nitrophenol-d4	0.247	0.268	0.296	0.282	0.288	0.276	6.9
Fluorene-d10	1.122	1.121	1.149	1.210	1.152	1.151	3.1
4,6-Dinitro-2-methylphenol-d2	0.116	0.164	0.172	0.193	0.187	0.166	18.3
Anthracene-d10	1.116	1.126	1.091	1.078	0.993	1.081	4.9
Pyrene-d10	0.900	0.883	0.829	0.813	0.877	0.860	4.3
Benzo(a)pyrene-d12	0.884	0.890	0.850	0.896	0.854	0.875	2.4

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7232.D
Date : 11-JUN-2008 17:00
Client ID: SSTD0051I
Sample Info: SSTD0051I,SSTD0051I
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25



ES26

Data File: S1F7232.D
Report Date: 11-Jun-2008 18:12

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7232.D
Lab Smp Id: SSTD0051I Client Smp ID: SSTD0051I
Inj Date : 11-JUN-2008 17:00
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0051I,SSTD0051I
Misc Info : 1,1
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 11-Jun-2008 18:12 bmaczewska Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.363	7.364	(0.908)	33854	5.00000	5.1
$	2 Phenol-d5	99	7.644	7.645	(0.943)	130903	5.00000	5.1
	3 Phenol	94	7.633	7.645	(0.941)	68415	5.00000	4.9(a)
$	4 bis(2-Chloroethyl)ether-d8	67	7.644	7.645	(0.943)	43082	5.00000	5.2
	5 bis(2-Chloroethyl)ether	93	7.731	7.731	(0.953)	61691	5.00000	5.1
$	6 2-Chlorophenol-d4	132	7.741	7.742	(0.955)	69379	5.00000	5.0
	7 2-Chlorophenol	128	7.763	7.764	(0.957)	69728	5.00000	4.9(a)
*	8 1,4-Dichlorobenzene-d4	152	8.109	8.120	(1.000)	210627	20.0000	
	9 2-Methylphenol	108	8.638	8.650	(1.065)	50787	5.00000	4.8(a)
	10 2,2'-oxybis(1-Chloropropane)	45	8.649	8.650	(1.067)	101867	5.00000	5.2
$	11 4-Methylphenol-d8	113	8.865	8.877	(1.093)	52704	5.00000	4.9(a)
	12 4-Methylphenol	108	8.908	8.920	(1.099)	53553	5.00000	5.1
	14 N-Nitroso-di-n-propylamine	70	8.865	8.877	(1.093)	26663	5.00000	5.2
	13 Acetophenone	105	8.822	8.833	(1.088)	78898	5.00000	5.1
	15 Hexachloroethane	117	8.952	8.952	(1.104)	28168	5.00000	5.2
$	16 Nitrobenzene-d5	128	9.060	9.071	(0.886)	35853	5.00000	5.0
	17 Nitrobenzene	77	9.092	9.103	(0.889)	55237	5.00000	5.2
	18 Isophorone	82	9.513	9.514	(0.930)	106324	5.00000	5.1
$	19 2-Nitrophenol-d4	143	9.611	9.611	(0.940)	37401	5.00000	5.0
	20 2-Nitrophenol	139	9.632	9.633	(0.942)	41395	5.00000	5.0
	21 2,4-Dimethylphenol	107	9.773	9.773	(0.956)	46582	5.00000	4.9(a)

Data File: S1F7232.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	9.913	9.914	(0.969)	71046	5.00000	5.3
$	23 2,4-Dichlorophenol-d3	165	10.021	10.022	(0.980)	49840	5.00000	4.8(a)
	24 2,4-Dichlorophenol	162	10.043	10.044	(0.982)	52370	5.00000	5.0
*	25 Naphthalene-d8	136	10.227	10.227	(1.000)	744604	20.0000	
	26 Naphthalene	128	10.259	10.260	(1.003)	185948	5.00000	5.4
$	27 4-Chloroaniline-d4	131	10.378	10.389	(1.015)	68201	5.00000	5.1
	28 4-Chloroaniline	127	10.400	10.400	(1.017)	76168	5.00000	5.4
	29 Hexachlorobutadiene	225	10.508	10.508	(1.027)	31939	5.00000	5.1
	30 Caprolactam	113	11.005	11.124	(1.076)	15192	5.00000	5.8
	31 4-Chloro-3-methylphenol	107	11.242	11.254	(1.099)	41996	5.00000	4.8(a)
	32 2-Methylnaphthalene	142	11.394	11.405	(1.114)	113949	5.00000	5.1
	33 Hexachlorocyclopentadiene	237	11.675	11.675	(0.893)	8031	5.00000	2.7(a)
	34 1,2,4,5-Tetrachlorobenzene	216	11.675	11.675	(0.893)	54579	5.00000	5.0
	35 2,4,6-Trichlorophenol	196	11.891	11.891	(0.910)	32616	5.00000	4.5(a)
	36 2,4,5-Trichlorophenol	196	11.945	11.956	(0.914)	172369	20.0000	19(a)
	37 1,1'-Biphenyl	154	12.172	12.172	(0.931)	143046	5.00000	5.1
	38 2-Chloronaphthalene	162	12.172	12.183	(0.931)	110337	5.00000	5.1
	39 2-Nitroaniline	65	12.388	12.410	(0.948)	143941	20.0000	18(a)
$	40 Dimethylphthalate-d6	166	12.680	12.691	(0.970)	144245	5.00000	5.2
	41 Dimethylphthalate	163	12.712	12.723	(0.973)	139143	5.00000	5.0
	42 2,6-Dinitrotoluene	165	12.788	12.799	(0.979)	38895	5.00000	5.1
$	43 Acenaphthylene-d8	160	12.809	12.821	(0.980)	162538	5.00000	5.2
	44 Acenaphthylene	152	12.831	12.842	(0.982)	171027	5.00000	5.2
	45 3-Nitroaniline	138	13.058	13.080	(0.999)	172837	20.0000	19(a)
*	46 Acenaphthene-d10	164	13.069	13.080	(1.000)	364539	20.0000	
	47 Acenaphthene	153	13.123	13.134	(1.004)	101820	5.00000	4.9(a)
	48 2,4-Dinitrophenol	184	13.220	13.242	(1.012)	33776	20.0000	8.3(a)
$	49 4-Nitrophenol-d4	143	13.393	13.415	(1.025)	22540	5.00000	4.5(a)
	50 4-Nitrophenol	109	13.403	13.437	(1.026)	48889	20.0000	15(a)
	51 2,4-Dinitrotoluene	165	13.436	13.447	(1.028)	48230	5.00000	5.1
	52 Dibenzofuran	168	13.403	13.415	(1.026)	149717	5.00000	4.9(a)
	53 Diethylphthalate	149	13.868	13.880	(1.061)	143930	5.00000	4.8(a)
$	54 Fluorene-d10	176	13.911	13.912	(1.064)	102253	5.00000	4.9(a)
	55 4-Chlorophenyl-phenylether	204	13.987	13.998	(1.070)	61224	5.00000	5.2
	56 Fluorene	166	13.955	13.966	(1.068)	119581	5.00000	5.0
	57 4-Nitroaniline	138	14.041	14.063	(1.074)	115148	20.0000	21
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.073	14.096	(0.911)	15771	5.00000	3.7(a)
	59 4,6-Dinitro-2-methylphenol	198	14.084	14.107	(0.912)	83992	20.0000	15(a)
	60 N-Nitrosodiphenylamine	169	14.192	14.193	(0.919)	83892	5.00000	5.2
	61 4-Bromophenyl-phenylether	248	14.765	14.776	(0.956)	38390	5.00000	5.0
	62 Hexachlorobenzene	284	14.841	14.841	(0.961)	39451	5.00000	5.0
	63 Atrazine	200	15.100	15.111	(0.978)	31871	5.00000	5.6
	64 Pentachlorophenol	266	15.186	15.187	(0.983)	8685	5.00000	2.6(a)
*	65 Phenanthrene-d10	188	15.446	15.457	(1.000)	545752	20.0000	
	66 Phenanthrene	178	15.489	15.490	(1.003)	164884	5.00000	5.2
$	67 Anthracene-d10	188	15.532	15.544	(1.006)	152237	5.00000	5.2
	68 Anthracene	178	15.565	15.576	(1.008)	159775	5.00000	5.1
	70 Di-n-butylphthalate	149	16.505	16.516	(1.069)	278894	5.00000	5.4
	71 Fluoranthene	202	17.391	17.402	(1.126)	167919	5.00000	5.3
$	72 Pyrene-d10	212	17.715	17.726	(0.899)	129325	5.00000	5.2
	73 Pyrene	202	17.747	17.759	(0.901)	179109	5.00000	5.5
	74 Butylbenzylphthalate	149	18.904	18.915	(0.959)	112528	5.00000	5.0
	75 3,3'-Dichlorobenzidine	252	19.703	19.704	(1.000)	11240	5.00000	4.2(a)
	79 bis(2-Ethylhexyl)phthalate	149	19.876	19.877	(1.009)	154476	5.00000	5.1

Data File: S1F7232.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	76 Benzo(a)anthracene	228	19.692	19.693	(0.999)	160394	5.00000	5.1
*	77 Chrysene-d12	240	19.703	19.715	(1.000)	574919	20.0000	
	78 Chrysene	228	19.746	19.747	(1.002)	169051	5.00000	5.5
	80 Di-n-octylphthalate	149	20.859	20.871	(0.955)	241569	5.00000	5.0
	81 Benzo(b)fluoranthene	252	21.302	21.314	(0.976)	151374	5.00000	5.3
	82 Benzo(k)fluoranthene	252	21.335	21.346	(0.977)	174581	5.00000	5.4
$	83 Benzo(a)pyrene-d12	264	21.713	21.725	(0.995)	102330	5.00000	5.1
	84 Benzo(a)pyrene	252	21.745	21.757	(0.996)	126963	5.00000	5.0
*	85 Perylene-d12	264	21.832	21.833	(1.000)	463199	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.226	23.237	(1.064)	116479	5.00000	4.8(a)
	87 Dibenzo(a,h)anthracene	278	23.258	23.270	(1.065)	93280	5.00000	4.7(a)
	88 Benzo(g,h,i)perylene	276	23.604	23.615	(1.081)	100005	5.00000	4.9(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

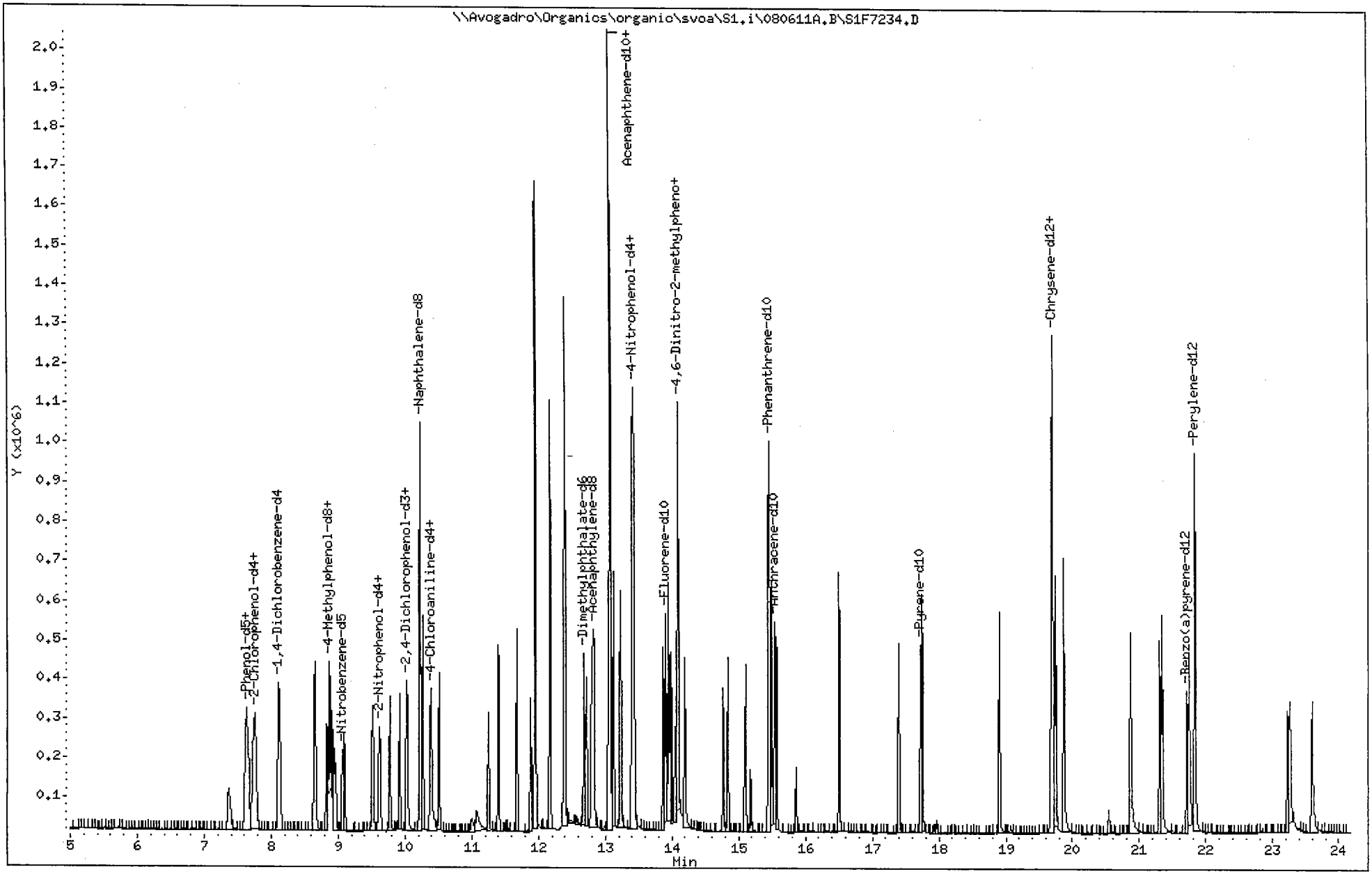
06/12/08 BM

6/12/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7234.D
Date : 11-JUN-2008 18:15
Client ID: SSTD0101I
Sample Info: SSTD0101I,SSTD0101I
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25



Data File: S1F7234.D
Report Date: 12-Jun-2008 09:41

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7234.D
Lab Smp Id: SSTD0101I Client Smp ID: SSTD0101I
Inj Date : 11-JUN-2008 18:15
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0101I,SSTD0101I
Misc Info : 1,2
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 12-Jun-2008 09:41 beata Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.363	7.364	(0.908)	66186	10.0000	10
$	2 Phenol-d5	99	7.644	7.645	(0.943)	252952	10.0000	10
	3 Phenol	94	7.633	7.645	(0.941)	134977	10.0000	10
$	4 bis(2-Chloroethyl)ether-d8	67	7.644	7.645	(0.943)	83690	10.0000	10
	5 bis(2-Chloroethyl)ether	93	7.719	7.731	(0.952)	121693	10.0000	10
$	6 2-Chlorophenol-d4	132	7.741	7.742	(0.955)	135372	10.0000	10
	7 2-Chlorophenol	128	7.762	7.764	(0.957)	141271	10.0000	10
*	8 1,4-Dichlorobenzene-d4	152	8.108	8.120	(1.000)	202651	20.0000	
	9 2-Methylphenol	108	8.649	8.650	(1.067)	100431	10.0000	9.9
	10 2,2'-oxybis(1-Chloropropane)	45	8.649	8.650	(1.067)	188422	10.0000	9.9
$	11 4-Methylphenol-d8	113	8.865	8.877	(1.093)	108004	10.0000	10
	12 4-Methylphenol	108	8.908	8.920	(1.099)	109404	10.0000	11
	14 N-Nitroso-di-n-propylamine	70	8.865	8.877	(1.093)	56144	10.0000	11
	13 Acetophenone	105	8.832	8.833	(1.089)	153437	10.0000	10
	15 Hexachloroethane	117	8.951	8.952	(1.104)	56192	10.0000	11
$	16 Nitrobenzene-d5	128	9.059	9.071	(0.886)	75476	10.0000	11
	17 Nitrobenzene	77	9.092	9.103	(0.889)	114907	10.0000	11
	18 Isophorone	82	9.513	9.514	(0.930)	199867	10.0000	10
$	19 2-Nitrophenol-d4	143	9.610	9.611	(0.940)	76915	10.0000	11
	20 2-Nitrophenol	139	9.632	9.633	(0.942)	87099	10.0000	11
	21 2,4-Dimethylphenol	107	9.772	9.773	(0.956)	88590	10.0000	9.8

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	9.913	9.914	(0.969)	140228	10.0000	11
$	23 2,4-Dichlorophenol-d3	165	10.021	10.022	(0.980)	107136	10.0000	11
	24 2,4-Dichlorophenol	162	10.042	10.044	(0.982)	105973	10.0000	10
*	25 Naphthalene-d8	136	10.226	10.227	(1.000)	710903	20.0000	
	26 Naphthalene	128	10.259	10.260	(1.003)	352811	10.0000	11
$	27 4-Chloroaniline-d4	131	10.377	10.389	(1.015)	143807	10.0000	11
	28 4-Chloroaniline	127	10.399	10.400	(1.017)	142565	10.0000	10
	29 Hexachlorobutadiene	225	10.507	10.508	(1.027)	67756	10.0000	11
	30 Caprolactam	113	11.069	11.124	(1.082)	20965	10.0000	8.8
	31 4-Chloro-3-methylphenol	107	11.242	11.254	(1.099)	87419	10.0000	10
	32 2-Methylnaphthalene	142	11.393	11.405	(1.114)	228143	10.0000	11
	33 Hexachlorocyclopentadiene	237	11.674	11.675	(0.893)	21515	10.0000	8.0
	34 1,2,4,5-Tetrachlorobenzene	216	11.674	11.675	(0.893)	106241	10.0000	10
	35 2,4,6-Trichlorophenol	196	11.890	11.891	(0.909)	67859	10.0000	9.7
	36 2,4,5-Trichlorophenol	196	11.955	11.956	(0.914)	428554	50.0000	48
	37 1,1'-Biphenyl	154	12.171	12.172	(0.931)	280608	10.0000	10
	38 2-Chloronaphthalene	162	12.182	12.183	(0.931)	222466	10.0000	10
	39 2-Nitroaniline	65	12.398	12.410	(0.948)	313891	50.0000	42
$	40 Dimethylphthalate-d6	166	12.679	12.691	(0.969)	258663	10.0000	9.7
	41 Dimethylphthalate	163	12.722	12.723	(0.973)	263052	10.0000	9.7
	42 2,6-Dinitrotoluene	165	12.798	12.799	(0.979)	76979	10.0000	10
$	43 Acenaphthylene-d8	160	12.820	12.821	(0.980)	322187	10.0000	10
	44 Acenaphthylene	152	12.841	12.842	(0.982)	324307	10.0000	10
	45 3-Nitroaniline	138	13.068	13.080	(0.999)	371986	50.0000	44
*	46 Acenaphthene-d10	164	13.079	13.080	(1.000)	356415	20.0000	
	47 Acenaphthene	153	13.122	13.134	(1.003)	208155	10.0000	10
	48 2,4-Dinitrophenol	184	13.230	13.242	(1.012)	140791	50.0000	38
$	49 4-Nitrophenol-d4	143	13.403	13.415	(1.025)	47844	10.0000	9.8
	50 4-Nitrophenol	109	13.425	13.437	(1.026)	126713	50.0000	42
	51 2,4-Dinitrotoluene	165	13.435	13.447	(1.027)	92657	10.0000	10
	52 Dibenzofuran	168	13.403	13.415	(1.025)	284279	10.0000	9.7
	53 Diethylphthalate	149	13.868	13.880	(1.060)	282017	10.0000	9.8
$	54 Fluorene-d10	176	13.911	13.912	(1.064)	199745	10.0000	9.9
	55 4-Chlorophenyl-phenylether	204	13.987	13.998	(1.069)	115035	10.0000	10
	56 Fluorene	166	13.954	13.966	(1.067)	236749	10.0000	10
	57 4-Nitroaniline	138	14.051	14.063	(1.074)	221633	50.0000	43
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.084	14.096	(0.911)	43652	10.0000	10
	59 4,6-Dinitro-2-methylphenol	198	14.095	14.107	(0.912)	251977	50.0000	46
	60 N-Nitrosodiphenylamine	169	14.192	14.193	(0.918)	175097	10.0000	11
	61 4-Bromophenyl-phenylether	248	14.775	14.776	(0.956)	72954	10.0000	9.8
	62 Hexachlorobenzene	284	14.840	14.841	(0.960)	83747	10.0000	11
	63 Atrazine	200	15.100	15.111	(0.977)	60185	10.0000	11
	64 Pentachlorophenol	266	15.186	15.187	(0.983)	28967	10.0000	9.3
*	65 Phenanthrene-d10	188	15.456	15.457	(1.000)	531245	20.0000	
	66 Phenanthrene	178	15.489	15.490	(1.002)	316680	10.0000	10
$	67 Anthracene-d10	188	15.543	15.544	(1.006)	299205	10.0000	10
	68 Anthracene	178	15.575	15.576	(1.008)	301403	10.0000	9.9
	70 Di-n-butylphthalate	149	16.504	16.516	(1.068)	512113	10.0000	10
	71 Fluoranthene	202	17.401	17.402	(1.126)	318235	10.0000	10
$	72 Pyrene-d10	212	17.725	17.726	(0.900)	252343	10.0000	10
	73 Pyrene	202	17.747	17.759	(0.901)	343517	10.0000	10
	74 Butylbenzylphthalate	149	18.903	18.915	(0.959)	228218	10.0000	10
	75 3,3'-Dichlorobenzidine	252	19.703	19.704	(1.000)	24461	10.0000	9.4
	79 bis(2-Ethylhexyl)phthalate	149	19.876	19.877	(1.009)	326132	10.0000	11

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Report Date: 12-Jun-2008 09:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	76 Benzo(a)anthracene	228	19.692	19.693	(0.999)	321350	10.0000	10
*	77 Chrysene-d12	240	19.703	19.715	(1.000)	571674	20.0000	
	78 Chrysene	228	19.746	19.747	(1.002)	315783	10.0000	10
	80 Di-n-octylphthalate	149	20.859	20.871	(0.955)	520418	10.0000	10
	81 Benzo(b)fluoranthene	252	21.302	21.314	(0.976)	294593	10.0000	9.8
	82 Benzo(k)fluoranthene	252	21.345	21.346	(0.978)	352166	10.0000	10
$	83 Benzo(a)pyrene-d12	264	21.713	21.725	(0.995)	219034	10.0000	10
	84 Benzo(a)pyrene	252	21.756	21.757	(0.997)	271492	10.0000	10
*	85 Perylene-d12	264	21.831	21.833	(1.000)	492087	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.225	23.237	(1.064)	252064	10.0000	9.8
	87 Dibenzo(a,h)anthracene	278	23.258	23.270	(1.065)	214582	10.0000	10
	88 Benzo(g,h,i)perylene	276	23.604	23.615	(1.081)	225484	10.0000	10

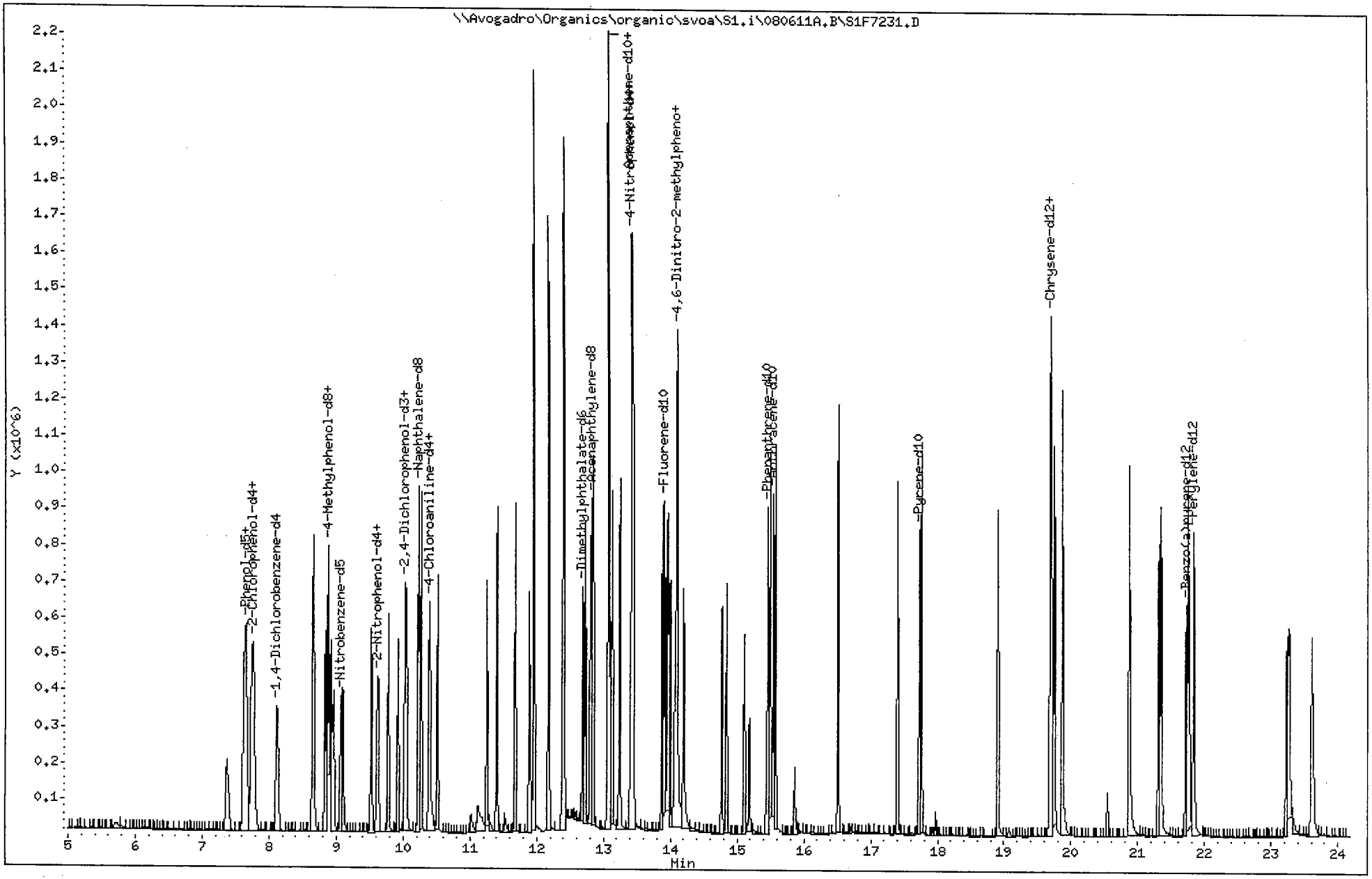
06/12/08 BM

CV 6/12/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7231.D
Date : 11-JUN-2008 16:23
Client ID: SSTD0201I
Sample Info: SSTD0201I,SSTD0201I
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25



Data File: S1F7231.D
Report Date: 11-Jun-2008 18:12

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7231.D
Lab Smp Id: SSTD0201I Client Smp ID: SSTD0201I
Inj Date : 11-JUN-2008 16:23
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0201I,SSTD0201I
Misc Info : 2,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 11-Jun-2008 18:12 S1.i Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.364	7.364	(0.907)	122198	20.0000	21
$	2 Phenol-d5	99	7.645	7.645	(0.941)	452266	20.0000	20
	3 Phenol	94	7.645	7.645	(0.941)	246690	20.0000	20
$	4 bis(2-Chloroethyl)ether-d8	67	7.645	7.645	(0.941)	147747	20.0000	20
	5 bis(2-Chloroethyl)ether	93	7.731	7.731	(0.952)	220294	20.0000	20
$	6 2-Chlorophenol-d4	132	7.742	7.742	(0.953)	246537	20.0000	20
	7 2-Chlorophenol	128	7.764	7.764	(0.956)	251590	20.0000	20
*	8 1,4-Dichlorobenzene-d4	152	8.120	8.120	(1.000)	187755	20.0000	
	9 2-Methylphenol	108	8.650	8.650	(1.065)	192152	20.0000	20
	10 2,2'-oxybis(1-Chloropropane)	45	8.650	8.650	(1.065)	354364	20.0000	20
$	11 4-Methylphenol-d8	113	8.877	8.877	(1.093)	194577	20.0000	20
	12 4-Methylphenol	108	8.920	8.920	(1.098)	192335	20.0000	21
	14 N-Nitroso-di-n-propylamine	70	8.877	8.877	(1.093)	97593	20.0000	21
	13 Acetophenone	105	8.833	8.833	(1.088)	280095	20.0000	20
	15 Hexachloroethane	117	8.952	8.952	(1.102)	102036	20.0000	21
$	16 Nitrobenzene-d5	128	9.071	9.071	(0.887)	130989	20.0000	20
	17 Nitrobenzene	77	9.103	9.103	(0.890)	200330	20.0000	20
	18 Isophorone	82	9.514	9.514	(0.930)	372698	20.0000	19
$	19 2-Nitrophenol-d4	143	9.611	9.611	(0.940)	140308	20.0000	20
	20 2-Nitrophenol	139	9.633	9.633	(0.942)	154158	20.0000	20
	21 2,4-Dimethylphenol	107	9.773	9.773	(0.956)	178257	20.0000	20
	22 bis(2-Chloroethoxy)methane	93	9.914	9.914	(0.969)	242857	20.0000	20

Data File: S1F7231.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	23 2,4-Dichlorophenol-d3	165	10.022	10.022	(0.980)	195183	20.0000	20
	24 2,4-Dichlorophenol	162	10.044	10.044	(0.982)	196414	20.0000	20
*	25 Naphthalene-d8	136	10.227	10.227	(1.000)	689869	20.0000	
	26 Naphthalene	128	10.260	10.260	(1.003)	621028	20.0000	20
$	27 4-Chloroaniline-d4	131	10.389	10.389	(1.016)	237642	20.0000	19
	28 4-Chloroaniline	127	10.400	10.400	(1.017)	248099	20.0000	19
	29 Hexachlorobutadiene	225	10.508	10.508	(1.027)	111808	20.0000	19
	30 Caprolactam	113	11.124	11.124	(1.088)	40116	20.0000	17
	31 4-Chloro-3-methylphenol	107	11.254	11.254	(1.100)	157070	20.0000	19
	32 2-Methylnaphthalene	142	11.405	11.405	(1.115)	411275	20.0000	20
	33 Hexachlorocyclopentadiene	237	11.675	11.675	(0.893)	50154	20.0000	21
	34 1,2,4,5-Tetrachlorobenzene	216	11.675	11.675	(0.893)	186907	20.0000	21
	35 2,4,6-Trichlorophenol	196	11.891	11.891	(0.909)	124959	20.0000	21
	36 2,4,5-Trichlorophenol	196	11.956	11.956	(0.914)	461789	80.0000	60
	37 1,1'-Biphenyl	154	12.172	12.172	(0.931)	492839	20.0000	21
	38 2-Chloronaphthalene	162	12.183	12.183	(0.931)	379134	20.0000	21
	39 2-Nitroaniline	65	12.410	12.410	(0.949)	511645	80.0000	78
$	40 Dimethylphthalate-d6	166	12.691	12.691	(0.970)	471854	20.0000	21
	41 Dimethylphthalate	163	12.723	12.723	(0.973)	475739	20.0000	21
	42 2,6-Dinitrotoluene	165	12.799	12.799	(0.979)	137140	20.0000	22
$	43 Acenaphthylene-d8	160	12.821	12.821	(0.980)	553617	20.0000	21
	44 Acenaphthylene	152	12.842	12.842	(0.982)	571730	20.0000	21
	45 3-Nitroaniline	138	13.080	13.080	(1.000)	562073	80.0000	75
*	46 Acenaphthene-d10	164	13.080	13.080	(1.000)	300558	20.0000	
	47 Acenaphthene	153	13.134	13.134	(1.004)	376736	20.0000	22
	48 2,4-Dinitrophenol	184	13.242	13.242	(1.012)	270013	80.0000	81
$	49 4-Nitrophenol-d4	143	13.415	13.415	(1.026)	88989	20.0000	21(Q)
	50 4-Nitrophenol	109	13.437	13.437	(1.027)	211451	80.0000	80
	51 2,4-Dinitrotoluene	165	13.447	13.447	(1.028)	157066	20.0000	20(Q)
	52 Dibenzofuran	168	13.415	13.415	(1.026)	527368	20.0000	21
	53 Diethylphthalate	149	13.880	13.880	(1.061)	521215	20.0000	21
$	54 Fluorene-d10	176	13.912	13.912	(1.064)	345294	20.0000	20
	55 4-Chlorophenyl-phenylether	204	13.998	13.998	(1.070)	208661	20.0000	21
	56 Fluorene	166	13.966	13.966	(1.068)	422241	20.0000	21
	57 4-Nitroaniline	138	14.063	14.063	(1.075)	364520	80.0000	80
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.096	14.096	(0.912)	81595	20.0000	22
	59 4,6-Dinitro-2-methylphenol	198	14.107	14.107	(0.913)	316823	80.0000	63
	60 N-Nitrosodiphenylamine	169	14.193	14.193	(0.918)	295769	20.0000	21
	61 4-Bromophenyl-phenylether	248	14.776	14.776	(0.956)	140556	20.0000	21
	62 Hexachlorobenzene	284	14.841	14.841	(0.960)	142387	20.0000	21
	63 Atrazine	200	15.111	15.111	(0.978)	103791	20.0000	21
	64 Pentachlorophenol	266	15.187	15.187	(0.983)	66053	20.0000	23
*	65 Phenanthrene-d10	188	15.457	15.457	(1.000)	475733	20.0000	
	66 Phenanthrene	178	15.490	15.490	(1.002)	569831	20.0000	20
$	67 Anthracene-d10	188	15.544	15.544	(1.006)	519008	20.0000	20
	68 Anthracene	178	15.576	15.576	(1.008)	551000	20.0000	20
	70 Di-n-butylphthalate	149	16.516	16.516	(1.069)	936519	20.0000	21
	71 Fluoranthene	202	17.402	17.402	(1.126)	558825	20.0000	20
$	72 Pyrene-d10	212	17.726	17.726	(0.899)	445048	20.0000	19
	73 Pyrene	202	17.759	17.759	(0.901)	576402	20.0000	19
	74 Butylbenzylphthalate	149	18.915	18.915	(0.959)	420586	20.0000	20
	75 3,3'-Dichlorobenzidine	252	19.704	19.704	(0.999)	45620	20.0000	18
	79 bis(2-Ethylhexyl)phthalate	149	19.877	19.877	(1.008)	560850	20.0000	20
	76 Benzo(a)anthracene	228	19.693	19.693	(0.999)	575459	20.0000	20

Data File: S1F7231.D
Report Date: 11-Jun-2008 18:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 77 Chrysene-d12	240	19.715	19.715	(1.000)	536912	20.0000	
78 Chrysene	228	19.747	19.747	(1.002)	571682	20.0000	20
80 Di-n-octylphthalate	149	20.871	20.871	(0.956)	979323	20.0000	21
81 Benzo(b)fluoranthene	252	21.314	21.314	(0.976)	506779	20.0000	18
82 Benzo(k)fluoranthene	252	21.346	21.346	(0.978)	660072	20.0000	21
$ 83 Benzo(a)pyrene-d12	264	21.725	21.725	(0.995)	385276	20.0000	20
84 Benzo(a)pyrene	252	21.757	21.757	(0.997)	516078	20.0000	21
* 85 Perylene-d12	264	21.833	21.833	(1.000)	453059	20.0000	
86 Indeno(1,2,3-cd)pyrene	276	23.237	23.237	(1.064)	460491	20.0000	19
87 Dibenzo(a,h)anthracene	278	23.270	23.270	(1.066)	388565	20.0000	20
88 Benzo(g,h,i)perylene	276	23.615	23.615	(1.082)	399054	20.0000	20

QC Flag Legend

Q - Qualifier signal failed the ratio test.

06/12/08 BM

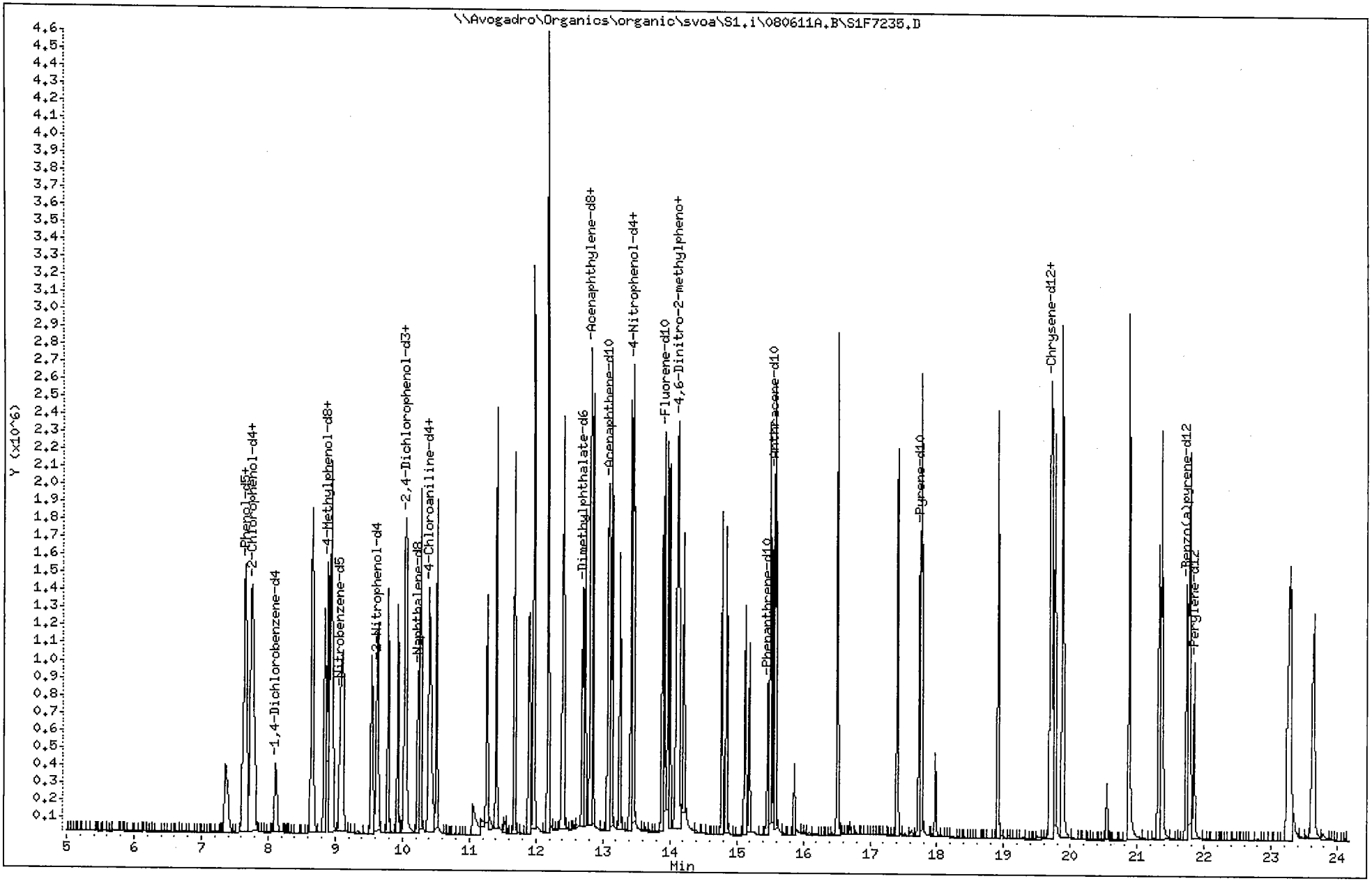
CV 6/12/08

0264

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7235.D
Date : 11-JUN-2008 18:52
Client ID: SSTD0501I
Sample Info: SSTD0501I,SSTD0501I
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25



9220

Data File: S1F7235.D
Report Date: 12-Jun-2008 09:41

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7235.D
Lab Smp Id: SSTD0501I Client Smp ID: SSTD0501I
Inj Date : 11-JUN-2008 18:52
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0501I,SSTD0501I
Misc Info : 1,4
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 12-Jun-2008 09:41 beata Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.354	7.364	(0.907)	287914	50.0000	46
$	2 Phenol-d5	99	7.635	7.645	(0.941)	1247000	50.0000	50
	3 Phenol	94	7.657	7.645	(0.944)	660018	50.0000	49
$	4 bis(2-Chloroethyl)ether-d8	67	7.657	7.645	(0.944)	394853	50.0000	49
	5 bis(2-Chloroethyl)ether	93	7.743	7.731	(0.955)	578038	50.0000	49
$	6 2-Chlorophenol-d4	132	7.743	7.742	(0.955)	673776	50.0000	50
	7 2-Chlorophenol	128	7.776	7.764	(0.959)	706012	50.0000	51
*	8 1,4-Dichlorobenzene-d4	152	8.111	8.120	(1.000)	203343	20.0000	
	9 2-Methylphenol	108	8.662	8.650	(1.068)	524045	50.0000	51
	10 2,2'-oxybis(1-Chloropropane)	45	8.651	8.650	(1.067)	956318	50.0000	50
$	11 4-Methylphenol-d8	113	8.889	8.877	(1.096)	533549	50.0000	51
	12 4-Methylphenol	108	8.932	8.920	(1.101)	491234	50.0000	48
	14 N-Nitroso-di-n-propylamine	70	8.889	8.877	(1.096)	263593	50.0000	50
	13 Acetophenone	105	8.846	8.833	(1.091)	765749	50.0000	50
	15 Hexachloroethane	117	8.954	8.952	(1.104)	267094	50.0000	50
$	16 Nitrobenzene-d5	128	9.072	9.071	(0.887)	358081	50.0000	49
	17 Nitrobenzene	77	9.105	9.103	(0.890)	513772	50.0000	47
	18 Isophorone	82	9.537	9.514	(0.932)	979189	50.0000	47
$	19 2-Nitrophenol-d4	143	9.613	9.611	(0.940)	378850	50.0000	49
	20 2-Nitrophenol	139	9.634	9.633	(0.942)	405796	50.0000	48
	21 2,4-Dimethylphenol	107	9.786	9.773	(0.957)	437087	50.0000	47

Data File: S1F7235.D
Report Date: 12-Jun-2008 09:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	9.926	9.914	(0.970)	639875	50.0000	47
$	23 2,4-Dichlorophenol-d3	165	10.034	10.022	(0.981)	539328	50.0000	50
	24 2,4-Dichlorophenol	162	10.056	10.044	(0.983)	531125	50.0000	49
*	25 Naphthalene-d8	136	10.229	10.227	(1.000)	751582	20.0000	
	26 Naphthalene	128	10.272	10.260	(1.004)	1624421	50.0000	47
$	27 4-Chloroaniline-d4	131	10.391	10.389	(1.016)	634268	50.0000	46
	28 4-Chloroaniline	127	10.402	10.400	(1.017)	687510	50.0000	48
	29 Hexachlorobutadiene	225	10.510	10.508	(1.027)	311451	50.0000	48
	30 Caprolactam	113	11.050	11.124	(1.080)	97004	50.0000	40
	31 4-Chloro-3-methylphenol	107	11.266	11.254	(1.101)	423398	50.0000	48
	32 2-Methylnaphthalene	142	11.406	11.405	(1.115)	1012763	50.0000	45
	33 Hexachlorocyclopentadiene	237	11.677	11.675	(0.893)	185516	50.0000	66
	34 1,2,4,5-Tetrachlorobenzene	216	11.687	11.675	(0.893)	514731	50.0000	50
	35 2,4,6-Trichlorophenol	196	11.904	11.891	(0.910)	331678	50.0000	50
	36 2,4,5-Trichlorophenol	196	11.968	11.956	(0.915)	1067878	100.000	120
	37 1,1'-Biphenyl	154	12.184	12.172	(0.931)	1287044	50.0000	49
	38 2-Chloronaphthalene	162	12.184	12.183	(0.931)	996857	50.0000	49
	39 2-Nitroaniline	65	12.422	12.410	(0.950)	754573	100.000	100
$	40 Dimethylphthalate-d6	166	12.692	12.691	(0.970)	1193207	50.0000	47
	41 Dimethylphthalate	163	12.736	12.723	(0.974)	1267118	50.0000	49
	42 2,6-Dinitrotoluene	165	12.822	12.799	(0.980)	345470	50.0000	48
$	43 Acenaphthylene-d8	160	12.833	12.821	(0.981)	1406701	50.0000	48
	44 Acenaphthylene	152	12.854	12.842	(0.983)	1519932	50.0000	49
	45 3-Nitroaniline	138	13.103	13.080	(1.002)	819474	100.000	100
*	46 Acenaphthene-d10	164	13.081	13.080	(1.000)	342274	20.0000	
	47 Acenaphthene	153	13.135	13.134	(1.004)	958223	50.0000	49
	48 2,4-Dinitrophenol	184	13.254	13.242	(1.013)	478330	100.000	130(A)
$	49 4-Nitrophenol-d4	143	13.449	13.415	(1.028)	241629	50.0000	51
	50 4-Nitrophenol	109	13.460	13.437	(1.029)	315020	100.000	110
	51 2,4-Dinitrotoluene	165	13.460	13.447	(1.029)	419241	50.0000	48
	52 Dibenzofuran	168	13.416	13.415	(1.026)	1378342	50.0000	49
	53 Diethylphthalate	149	13.892	13.880	(1.062)	1408568	50.0000	51
$	54 Fluorene-d10	176	13.924	13.912	(1.064)	1035150	50.0000	53
	55 4-Chlorophenyl-phenylether	204	14.000	13.998	(1.070)	546275	50.0000	49
	56 Fluorene	166	13.967	13.966	(1.068)	1098354	50.0000	49
	57 4-Nitroaniline	138	14.108	14.063	(1.078)	413866	100.000	86
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.119	14.096	(0.913)	246321	50.0000	58
	59 4,6-Dinitro-2-methylphenol	198	14.129	14.107	(0.914)	699584	100.000	130(A)
	60 N-Nitrosodiphenylamine	169	14.205	14.193	(0.919)	790593	50.0000	51
	61 4-Bromophenyl-phenylether	248	14.778	14.776	(0.956)	353879	50.0000	50
	62 Hexachlorobenzene	284	14.853	14.841	(0.961)	373441	50.0000	49
	63 Atrazine	200	15.124	15.111	(0.978)	260930	50.0000	48
	64 Pentachlorophenol	266	15.188	15.187	(0.983)	201241	50.0000	63
*	65 Phenanthrene-d10	188	15.459	15.457	(1.000)	511116	20.0000	
	66 Phenanthrene	178	15.502	15.490	(1.003)	1459351	50.0000	49
$	67 Anthracene-d10	188	15.556	15.544	(1.006)	1377909	50.0000	50
	68 Anthracene	178	15.588	15.576	(1.008)	1422785	50.0000	49
	70 Di-n-butylphthalate	149	16.518	16.516	(1.069)	2281191	50.0000	47
	71 Fluoranthene	202	17.414	17.402	(1.127)	1510128	50.0000	50
$	72 Pyrene-d10	212	17.739	17.726	(0.900)	1138502	50.0000	47
	73 Pyrene	202	17.771	17.759	(0.901)	1499631	50.0000	47
	74 Butylbenzylphthalate	149	18.916	18.915	(0.959)	1025359	50.0000	47
	75 3,3'-Dichlorobenzidine	252	19.705	19.704	(0.999)	134815	50.0000	52
	79 bis(2-Ethylhexyl)phthalate	149	19.878	19.877	(1.008)	1489250	50.0000	49

Data File: S1F7235.D
Report Date: 12-Jun-2008 09:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	76 Benzo(a)anthracene	228	19.705	19.693	(0.999)	1562855	50.0000	51
*	77 Chrysene-d12	240	19.716	19.715	(1.000)	560073	20.0000	
	78 Chrysene	228	19.770	19.747	(1.003)	1500695	50.0000	50
	80 Di-n-octylphthalate	149	20.872	20.871	(0.955)	2573108	50.0000	51
	81 Benzo(b)fluoranthene	252	21.326	21.314	(0.976)	1610864	50.0000	54
	82 Benzo(k)fluoranthene	252	21.369	21.346	(0.978)	1584902	50.0000	47
$	83 Benzo(a)pyrene-d12	264	21.737	21.725	(0.995)	1085837	50.0000	51
	84 Benzo(a)pyrene	252	21.780	21.757	(0.997)	1281593	50.0000	48
*	85 Perylene-d12	264	21.845	21.833	(1.000)	484592	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.260	23.237	(1.065)	1304012	50.0000	51
	87 Dibenzo(a,h)anthracene	278	23.282	23.270	(1.066)	1104553	50.0000	52
	88 Benzo(g,h,i)perylene	276	23.638	23.615	(1.082)	1160604	50.0000	53

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

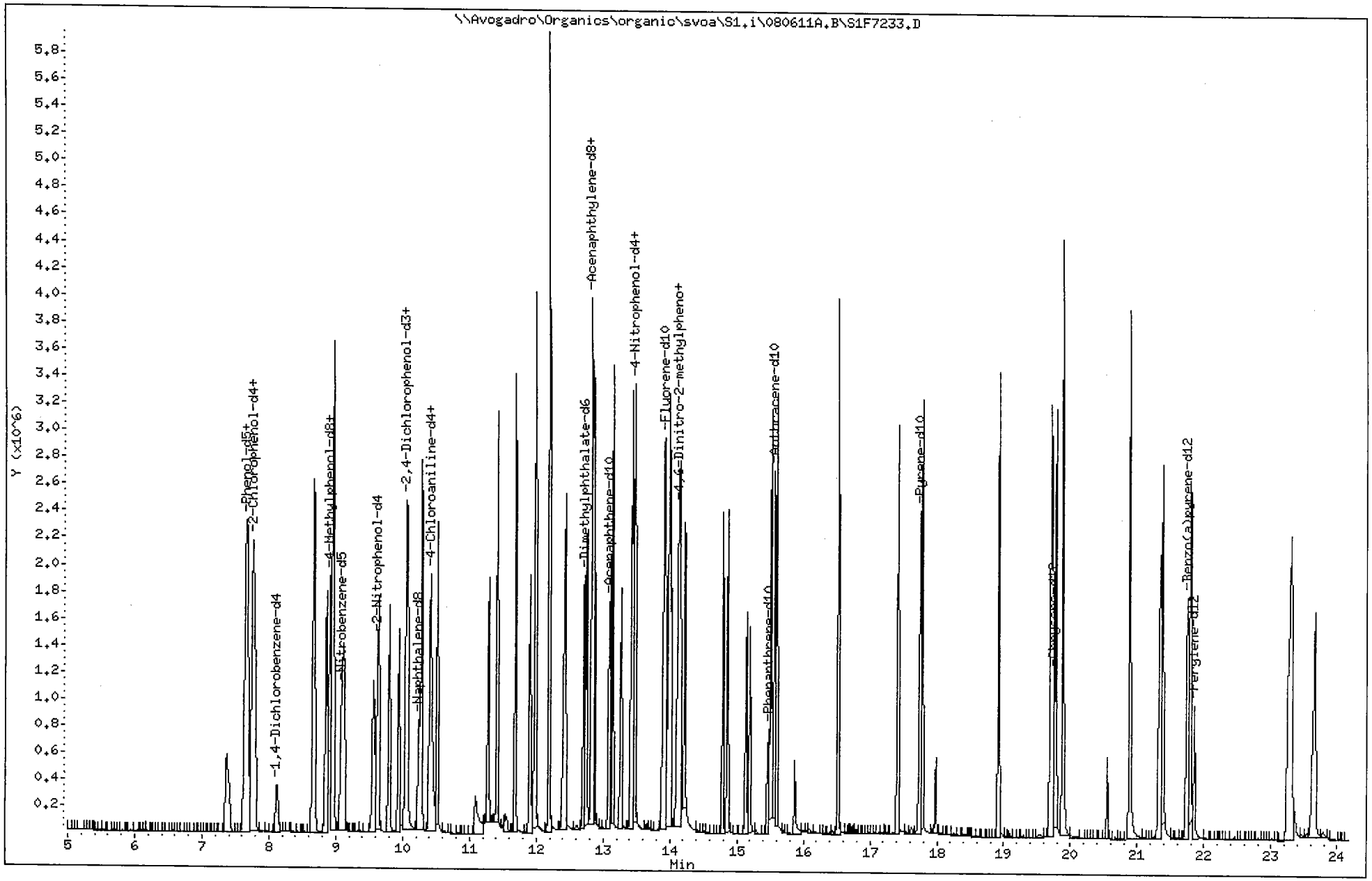
06/12/08 BM

CW 6/12/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7233.D
Date : 11-JUN-2008 17:38
Client ID: SSTD0801I
Sample Info: SSTD0801I,SSTD0801I
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25



EG&G

Data File: S1F7233.D
Report Date: 11-Jun-2008 18:12

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7233.D
Lab Smp Id: SSTD0801I Client Smp ID: SSTD0801I
Inj Date : 11-JUN-2008 17:38
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0801I,SSTD0801I
Misc Info : 1,5
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 11-Jun-2008 18:12 bmaczewska Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.363	7.364	(0.907)	455521	80.0000	75
$	2 Phenol-d5	99	7.655	7.645	(0.943)	1892657	80.0000	80
	3 Phenol	94	7.677	7.645	(0.945)	1036568	80.0000	81(A)
$	4 bis(2-Chloroethyl)ether-d8	67	7.655	7.645	(0.943)	601864	80.0000	78
	5 bis(2-Chloroethyl)ether	93	7.752	7.731	(0.955)	865989	80.0000	77
$	6 2-Chlorophenol-d4	132	7.752	7.742	(0.955)	1017815	80.0000	80
	7 2-Chlorophenol	128	7.785	7.764	(0.959)	1069487	80.0000	82(A)
*	8 1,4-Dichlorobenzene-d4	152	8.120	8.120	(1.000)	194100	20.0000	
	9 2-Methylphenol	108	8.671	8.650	(1.068)	783538	80.0000	81(A)
	10 2,2'-oxybis(1-Chloropropane)	45	8.660	8.650	(1.067)	1398290	80.0000	77
$	11 4-Methylphenol-d8	113	8.908	8.877	(1.097)	792652	80.0000	80
	12 4-Methylphenol	108	8.952	8.920	(1.102)	718689	80.0000	75
	14 N-Nitroso-di-n-propylamine	70	8.919	8.877	(1.098)	398931	80.0000	80(A)
	13 Acetophenone	105	8.854	8.833	(1.090)	1130605	80.0000	79
	15 Hexachloroethane	117	8.952	8.952	(1.102)	368634	80.0000	73
$	16 Nitrobenzene-d5	128	9.081	9.071	(0.887)	524822	80.0000	80
	17 Nitrobenzene	77	9.114	9.103	(0.890)	738266	80.0000	75
	18 Isophorone	82	9.557	9.514	(0.934)	1536855	80.0000	80(A)
$	19 2-Nitrophenol-d4	143	9.622	9.611	(0.940)	557183	80.0000	80
	20 2-Nitrophenol	139	9.643	9.633	(0.942)	598617	80.0000	79
	21 2,4-Dimethylphenol	107	9.805	9.773	(0.958)	700772	80.0000	80

Data File: S1F7233.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	9.935	9.914	(0.970)	939496	80.0000	76
$	23 2,4-Dichlorophenol-d3	165	10.043	10.022	(0.981)	774987	80.0000	81(A)
	24 2,4-Dichlorophenol	162	10.065	10.044	(0.983)	779677	80.0000	80
*	25 Naphthalene-d8	136	10.237	10.227	(1.000)	685791	20.0000	
	26 Naphthalene	128	10.270	10.260	(1.003)	2364567	80.0000	75
$	27 4-Chloroaniline-d4	131	10.400	10.389	(1.016)	990482	80.0000	80
	28 4-Chloroaniline	127	10.421	10.400	(1.018)	1035283	80.0000	79
	29 Hexachlorobutadiene	225	10.518	10.508	(1.027)	455653	80.0000	80
	30 Caprolactam	113	11.091	11.124	(1.083)	193232	80.0000	80(A)
	31 4-Chloro-3-methylphenol	107	11.286	11.254	(1.102)	682086	80.0000	85(A)
	32 2-Methylnaphthalene	142	11.415	11.405	(1.115)	1583738	80.0000	78
	33 Hexachlorocyclopentadiene	237	11.685	11.675	(0.893)	298578	80.0000	110(A)
	34 1,2,4,5-Tetrachlorobenzene	216	11.696	11.675	(0.894)	741173	80.0000	76
	35 2,4,6-Trichlorophenol	196	11.902	11.891	(0.910)	533286	80.0000	83(A)
	36 2,4,5-Trichlorophenol	196	11.988	11.956	(0.917)	1312087	120.000	160(A)
	37 1,1'-Biphenyl	154	12.193	12.172	(0.932)	1837983	80.0000	73
	38 2-Chloronaphthalene	162	12.193	12.183	(0.932)	1415438	80.0000	73
	39 2-Nitroaniline	65	12.431	12.410	(0.950)	958562	120.000	130(A)
$	40 Dimethylphthalate-d6	166	12.712	12.691	(0.972)	1809188	80.0000	73
	41 Dimethylphthalate	163	12.755	12.723	(0.975)	1931230	80.0000	77
	42 2,6-Dinitrotoluene	165	12.831	12.799	(0.981)	479165	80.0000	71
$	43 Acenaphthylene-d8	160	12.831	12.821	(0.981)	2038474	80.0000	72
	44 Acenaphthylene	152	12.863	12.842	(0.983)	2168612	80.0000	73
	45 3-Nitroaniline	138	13.112	13.080	(1.002)	1067516	120.000	130(A)
*	46 Acenaphthene-d10	164	13.079	13.080	(1.000)	326114	20.0000	
	47 Acenaphthene	153	13.144	13.134	(1.005)	1366809	80.0000	74
	48 2,4-Dinitrophenol	184	13.274	13.242	(1.015)	688021	120.000	190(A)
$	49 4-Nitrophenol-d4	143	13.468	13.415	(1.030)	375700	80.0000	83(A)
	50 4-Nitrophenol	109	13.479	13.437	(1.031)	428659	120.000	150(A)
	51 2,4-Dinitrotoluene	165	13.479	13.447	(1.031)	641521	80.0000	76
	52 Dibenzofuran	168	13.425	13.415	(1.026)	2065851	80.0000	76
	53 Diethylphthalate	149	13.911	13.880	(1.064)	2055122	80.0000	77
$	54 Fluorene-d10	176	13.933	13.912	(1.065)	1502779	80.0000	81(A)
	55 4-Chlorophenyl-phenylether	204	14.009	13.998	(1.071)	760677	80.0000	72
	56 Fluorene	166	13.987	13.966	(1.069)	1603945	80.0000	75
	57 4-Nitroaniline	138	14.128	14.063	(1.080)	563032	120.000	110
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.128	14.096	(0.913)	377147	80.0000	95(A)
	59 4,6-Dinitro-2-methylphenol	198	14.149	14.107	(0.915)	938352	120.000	180(A)
	60 N-Nitrosodiphenylamine	169	14.225	14.193	(0.920)	1101861	80.0000	73
	61 4-Bromophenyl-phenylether	248	14.787	14.776	(0.956)	537927	80.0000	76
	62 Hexachlorobenzene	284	14.862	14.841	(0.961)	580576	80.0000	79
	63 Atrazine	200	15.143	15.111	(0.979)	358371	80.0000	68
	64 Pentachlorophenol	266	15.197	15.187	(0.983)	322954	80.0000	110(A)
*	65 Phenanthrene-d10	188	15.467	15.457	(1.000)	505055	20.0000	
	66 Phenanthrene	178	15.511	15.490	(1.003)	2227262	80.0000	75
$	67 Anthracene-d10	188	15.565	15.544	(1.006)	2006880	80.0000	75
	68 Anthracene	178	15.597	15.576	(1.008)	2228057	80.0000	77
	70 Di-n-butylphthalate	149	16.526	16.516	(1.068)	3390437	80.0000	71
	71 Fluoranthene	202	17.423	17.402	(1.126)	2227261	80.0000	75
$	72 Pyrene-d10	212	17.747	17.726	(0.899)	1774304	80.0000	81(A)
	73 Pyrene	202	17.780	17.759	(0.901)	2244792	80.0000	78
	74 Butylbenzylphthalate	149	18.925	18.915	(0.959)	1541185	80.0000	79
	75 3,3'-Dichlorobenzidine	252	19.714	19.704	(0.999)	232193	80.0000	99(A)
	79 bis(2-Ethylhexyl)phthalate	149	19.887	19.877	(1.008)	2160329	80.0000	80

Data File: S1F7233.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	76 Benzo(a)anthracene	228	19.714	19.693	(0.999)	2175385	80.0000	79
*	77 Chrysene-d12	240	19.736	19.715	(1.000)	505936	20.0000	
	78 Chrysene	228	19.779	19.747	(1.002)	1951176	80.0000	72
	80 Di-n-octylphthalate	149	20.881	20.871	(0.955)	3633167	80.0000	76
	81 Benzo(b)fluoranthene	252	21.346	21.314	(0.977)	2291162	80.0000	81(A)
	82 Benzo(k)fluoranthene	252	21.378	21.346	(0.978)	2235317	80.0000	70
$	83 Benzo(a)pyrene-d12	264	21.746	21.725	(0.995)	1572995	80.0000	79
	84 Benzo(a)pyrene	252	21.800	21.757	(0.998)	1983820	80.0000	78
*	85 Perylene-d12	264	21.854	21.833	(1.000)	460734	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.269	23.237	(1.065)	2062912	80.0000	86(A)
	87 Dibenzo(a,h)anthracene	278	23.302	23.270	(1.066)	1653566	80.0000	84(A)
	88 Benzo(g,h,i)perylene	276	23.658	23.615	(1.083)	1698998	80.0000	83(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

06/12/08 BM

CW 6/18/08

7E - FORM VII SV-1

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: S1 Calibration Date: 06/12/2008 Time: 10:14

Lab File ID: S1F7241.D Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Init. Calib. Time(s): 16:23 18:52

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX %D
Benzaldehyde	0.620	0.616		-0.6	
Phenol	1.316	1.308	0.800	-0.6	25.0
Bis(2-chloroethyl)ether	1.160	1.136	0.700	-2.0	25.0
2-Chlorophenol	1.365	1.315	0.800	-3.6	25.0
2-Methylphenol	1.004	0.980	0.700	-2.4	25.0
2,2´-oxybis(1-Chloropropane)	1.873	1.798		-4.0	
Acetophenone	1.493	1.418		-5.0	
4-Methylphenol	1.003	1.038	0.600	3.5	25.0
N-Nitroso-di-n-propylamine	0.523	0.530	0.500	1.4	25.0
Hexachloroethane	0.527	0.520	0.300	-1.2	25.0
Nitrobenzene	0.291	0.277	0.200	-4.5	25.0
Isophorone	0.551	0.556	0.400	1.0	25.0
2-Nitrophenol	0.225	0.219	0.100	-2.7	25.0
2,4-Dimethylphenol	0.249	0.238	0.200	-4.7	25.0
Bis(2-chloroethoxy)methane	0.362	0.346	0.300	-4.6	25.0
2,4-Dichlorophenol	0.286	0.274	0.200	-4.3	25.0
Naphthalene	0.924	0.906	0.700	-1.9	25.0
4-Chloroaniline	0.383	0.391		2.1	
Hexachlorobutadiene	0.171	0.164		-4.2	
Caprolactam	0.064	0.058		-10.0	
4-Chloro-3-methylphenol	0.235	0.231	0.200	-1.4	25.0
2-Methylnaphthalene	0.593	0.563	0.400	-5.0	25.0
Hexachlorocyclopentadiene	0.164	0.165		0.4	
2,4,6-Trichlorophenol	0.390	0.393	0.200	0.6	25.0
2,4,5-Trichlorophenol	0.526	0.370	0.200	-29.7	25.0
1,1´-Biphenyl	1.539	1.569		1.9	
2-Chloronaphthalene	1.194	1.231	0.800	3.1	25.0
2-Nitroaniline	0.421	0.422		0.3	
Dimethylphthalate	1.509	1.584		4.9	
2,6-Dinitrotoluene	0.417	0.420	0.200	0.6	25.0
Acenaphthylene	1.807	1.830	0.900	1.3	25.0
3-Nitroaniline	0.477	0.416		-12.8	
Acenaphthene	1.141	1.196	0.900	4.8	25.0
2,4-Dinitrophenol	0.221	0.229		3.5	
4-Nitrophenol	0.171	0.169		-1.2	
Dibenzofuran	1.637	1.712	0.800	4.6	25.0

7F - FORM VII SV-2

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: S1 Calibration Date: 06/12/2008 Time: 10:14

Lab File ID: S1F7241.D Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Init. Calib. Time(s): 16:23 18:52

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.511	0.502	0.200	-1.6	25.0
Diethylphthalate	1.624	1.603		-1.3	
Fluorene	1.312	1.273	0.900	-2.9	25.0
4-Chlorophenyl-phenylether	0.647	0.612	0.400	-5.4	25.0
4-Nitroaniline	0.279	0.206		-26.4	
4,6-Dinitro-2-methylphenol	0.219	0.177		-19.0	
N-Nitrosodiphenylamine [1]	0.612	0.601		-1.8	
1,2,4,5-Tetrachlorobenzene	0.597	0.594		-0.5	
4-Bromophenyl-phenylether	0.279	0.265	0.100	-4.8	25.0
Hexachlorobenzene	0.297	0.284	0.100	-4.4	25.0
Atrazine	0.212	0.181		-14.8	
Pentachlorophenol	0.126	0.141	0.050	12.0	25.0
Phenanthrene	1.169	1.163	0.700	-0.5	25.0
Anthracene	1.136	1.157	0.700	1.9	25.0
Di-n-butylphthalate	1.881	1.915		1.8	
Fluoranthene	1.178	1.155	0.600	-1.9	25.0
Pyrene	1.140	1.080	0.600	-5.3	25.0
Butylbenzylphthalate	0.772	0.764		-1.0	
3,3'-Dichlorobenzidine	0.092	0.089		-3.1	
Benzo(a)anthracene	1.101	1.111	0.800	0.9	25.0
Chrysene	1.076	1.020	0.700	-5.3	25.0
Bis(2-ethylhexyl)phthalate	1.078	1.050		-2.7	
Di-n-octylphthalate	2.092	2.054		-1.8	
Benzo(b)fluoranthene	1.239	1.180	0.700	-4.8	25.0
Benzo(k)fluoranthene	1.383	1.348	0.700	-2.6	25.0
Benzo(a)pyrene	1.095	1.129	0.700	3.1	25.0
Indeno(1,2,3-cd)pyrene	1.048	0.996	0.500	-5.1	25.0
Dibenzo(a,h)anthracene	0.869	0.823	0.400	-5.3	25.0
Benzo(g,h,i)perylene	0.908	0.869	0.500	-4.3	25.0

(1) Cannot be separated from Diphenylamine

7G - FORM VII SV-3

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Instrument ID: S1 Calibration Date: 06/12/2008 Time: 10:14

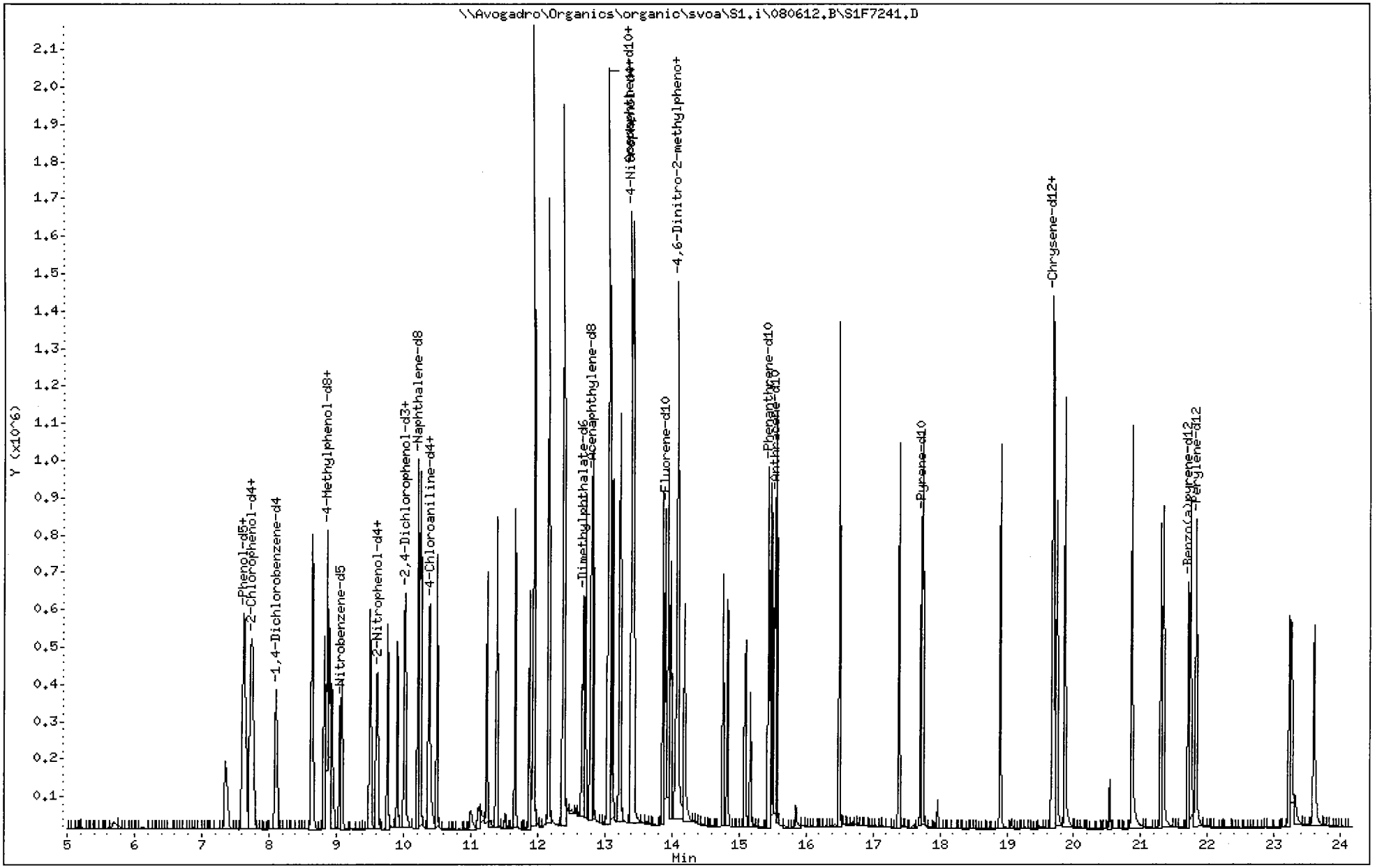
Lab File ID: S1F7241.D Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Init. Calib. Time(s): 16:23 18:52

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX %D
Phenol-d5	2.456	2.449		-0.3	
bis(2-Chloroethyl)ether-d8	0.797	0.783		-1.8	
2-Chlorophenol-d4	1.321	1.267		-4.1	
4-Methylphenol-d8	1.035	1.041		0.6	
Nitrobenzene-d5	0.195	0.181		-7.5	
2-Nitrophenol-d4	0.205	0.203		-0.9	
2,4-Dichlorophenol-d3	0.284	0.270		-5.2	
4-Chloroaniline-d4	0.363	0.360		-0.8	
Dimethylphthalate-d6	1.477	1.455		-1.5	
Acenaphthylene-d8	1.728	1.786		3.3	
4-Nitrophenol-d4	0.276	0.283		2.2	
Fluorene-d10	1.151	1.099		-4.5	
4,6-Dinitro-2-methylphenol-d2	0.166	0.183		10.2	
Anthracene-d10	1.081	1.081		0.0	
Pyrene-d10	0.860	0.847		-1.6	
Benzo(a)pyrene-d12	0.875	0.854		-2.3	

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7241.D
Date : 12-JUN-2008 10:14
Client ID: SSTD0201J
Instrument: S1.i
Sample Info: SSTD0201J,SSTD0201J
Volume Injected (uL): 1.0
Operator: DK SRC: DK
Column phase: DB-5MS
Column diameter: 0.25



SJ 76

Data File: S1F7241.D
Report Date: 12-Jun-2008 10:40

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7241.D
Lab Smp Id: SSTD0201J Client Smp ID: SSTD0201J
Inj Date : 12-JUN-2008 10:14
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0201J,SSTD0201J
Misc Info : 2,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.352	7.352	(0.908)	117294	20.0000	20
$	2 Phenol-d5	99	7.622	7.622	(0.941)	466038	20.0000	20
	3 Phenol	94	7.622	7.622	(0.941)	248908	20.0000	20
$	4 bis(2-Chloroethyl)ether-d8	67	7.633	7.633	(0.943)	148912	20.0000	20
	5 bis(2-Chloroethyl)ether	93	7.719	7.719	(0.953)	216185	20.0000	20
$	6 2-Chlorophenol-d4	132	7.730	7.730	(0.955)	241070	20.0000	19
	7 2-Chlorophenol	128	7.752	7.752	(0.957)	250315	20.0000	19
*	8 1,4-Dichlorobenzene-d4	152	8.097	8.097	(1.000)	190289	20.0000	
	9 2-Methylphenol	108	8.638	8.638	(1.067)	186481	20.0000	20
	10 2,2'-oxybis(1-Chloropropane)	45	8.638	8.638	(1.067)	342169	20.0000	19
$	11 4-Methylphenol-d8	113	8.865	8.865	(1.095)	198091	20.0000	20
	12 4-Methylphenol	108	8.908	8.908	(1.100)	197429	20.0000	21
	14 N-Nitroso-di-n-propylamine	70	8.865	8.865	(1.095)	100825	20.0000	20
	13 Acetophenone	105	8.821	8.821	(1.089)	269830	20.0000	19
	15 Hexachloroethane	117	8.940	8.940	(1.104)	99014	20.0000	20
$	16 Nitrobenzene-d5	128	9.059	9.059	(0.887)	124211	20.0000	19
	17 Nitrobenzene	77	9.081	9.081	(0.889)	190691	20.0000	19
	18 Isophorone	82	9.502	9.502	(0.930)	382271	20.0000	20
$	19 2-Nitrophenol-d4	143	9.599	9.599	(0.940)	139717	20.0000	20
	20 2-Nitrophenol	139	9.621	9.621	(0.942)	150450	20.0000	19
	21 2,4-Dimethylphenol	107	9.761	9.761	(0.956)	163252	20.0000	19

Data File: S1F7241.D
Report Date: 12-Jun-2008 10:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	9.902	9.902	(0.969)	237472	20.0000	19
$	23 2,4-Dichlorophenol-d3	165	10.010	10.010	(0.980)	185235	20.0000	19
	24 2,4-Dichlorophenol	162	10.032	10.032	(0.982)	188131	20.0000	19
*	25 Naphthalene-d8	136	10.215	10.215	(1.000)	687175	20.0000	
	26 Naphthalene	128	10.248	10.248	(1.003)	622702	20.0000	20
$	27 4-Chloroaniline-d4	131	10.377	10.377	(1.016)	247350	20.0000	20
	28 4-Chloroaniline	127	10.388	10.388	(1.017)	268354	20.0000	20
	29 Hexachlorobutadiene	225	10.496	10.496	(1.028)	112687	20.0000	19
	30 Caprolactam	113	11.123	11.123	(1.089)	39698	20.0000	18
	31 4-Chloro-3-methylphenol	107	11.242	11.242	(1.100)	158939	20.0000	20
	32 2-Methylnaphthalene	142	11.393	11.393	(1.115)	387169	20.0000	19
	33 Hexachlorocyclopentadiene	237	11.663	11.663	(0.893)	51445	20.0000	20
	34 1,2,4,5-Tetrachlorobenzene	216	11.663	11.663	(0.893)	185318	20.0000	20
	35 2,4,6-Trichlorophenol	196	11.879	11.879	(0.909)	122452	20.0000	20
	36 2,4,5-Trichlorophenol	196	11.944	11.944	(0.914)	461886	80.0000	56
	37 1,1'-Biphenyl	154	12.160	12.160	(0.931)	489220	20.0000	20
	38 2-Chloronaphthalene	162	12.171	12.171	(0.931)	383981	20.0000	21
	39 2-Nitroaniline	65	12.398	12.398	(0.949)	526302	80.0000	80
$	40 Dimethylphthalate-d6	166	12.679	12.679	(0.970)	453923	20.0000	20
	41 Dimethylphthalate	163	12.711	12.711	(0.973)	493912	20.0000	21
	42 2,6-Dinitrotoluene	165	12.787	12.787	(0.979)	130917	20.0000	20
$	43 Acenaphthylene-d8	160	12.809	12.809	(0.980)	556911	20.0000	21
	44 Acenaphthylene	152	12.830	12.830	(0.982)	570822	20.0000	20
	45 3-Nitroaniline	138	13.068	13.068	(1.000)	518543	80.0000	70
*	46 Acenaphthene-d10	164	13.068	13.068	(1.000)	311898	20.0000	
	47 Acenaphthene	153	13.122	13.122	(1.004)	372966	20.0000	21
	48 2,4-Dinitrophenol	184	13.230	13.230	(1.012)	285674	80.0000	83
$	49 4-Nitrophenol-d4	143	13.414	13.414	(1.026)	88158	20.0000	20
	50 4-Nitrophenol	109	13.425	13.425	(1.027)	210782	80.0000	79
	51 2,4-Dinitrotoluene	165	13.435	13.435	(1.028)	156710	20.0000	20(Q)
	52 Dibenzofuran	168	13.403	13.403	(1.026)	533977	20.0000	21
	53 Diethylphthalate	149	13.868	13.868	(1.061)	499940	20.0000	20
$	54 Fluorene-d10	176	13.900	13.900	(1.064)	342858	20.0000	19
	55 4-Chlorophenyl-phenylether	204	13.987	13.987	(1.070)	190853	20.0000	19
	56 Fluorene	166	13.954	13.954	(1.068)	397140	20.0000	19
	57 4-Nitroaniline	138	14.062	14.062	(1.076)	256609	80.0000	59
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.084	14.084	(0.912)	89806	20.0000	22
	59 4,6-Dinitro-2-methylphenol	198	14.095	14.095	(0.913)	347501	80.0000	65
	60 N-Nitrosodiphenylamine	169	14.192	14.192	(0.919)	294718	20.0000	20
	61 4-Bromophenyl-phenylether	248	14.765	14.765	(0.956)	130210	20.0000	19
	62 Hexachlorobenzene	284	14.840	14.840	(0.961)	139076	20.0000	19
	63 Atrazine	200	15.099	15.099	(0.978)	88573	20.0000	17
	64 Pentachlorophenol	266	15.175	15.175	(0.983)	69090	20.0000	22
*	65 Phenanthrene-d10	188	15.445	15.445	(1.000)	490490	20.0000	
	66 Phenanthrene	178	15.478	15.478	(1.002)	570248	20.0000	20
$	67 Anthracene-d10	188	15.532	15.532	(1.006)	530002	20.0000	20
	68 Anthracene	178	15.564	15.564	(1.008)	567578	20.0000	20
	70 Di-n-butylphthalate	149	16.504	16.504	(1.069)	939215	20.0000	20
	71 Fluoranthene	202	17.390	17.390	(1.126)	566444	20.0000	20
$	72 Pyrene-d10	212	17.714	17.714	(0.899)	444708	20.0000	20
	73 Pyrene	202	17.747	17.747	(0.901)	567458	20.0000	19
	74 Butylbenzylphthalate	149	18.903	18.903	(0.959)	401236	20.0000	20
	75 3,3'-Dichlorobenzidine	252	19.692	19.692	(0.999)	46792	20.0000	19
	79 bis(2-Ethylhexyl)phthalate	149	19.865	19.865	(1.008)	551221	20.0000	19

Data File: S1F7241.D
Report Date: 12-Jun-2008 10:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	76 Benzo(a)anthracene	228	19.681	19.681	(0.999)	583522	20.0000	20
*	77 Chrysene-d12	240	19.703	19.703	(1.000)	525221	20.0000	
	78 Chrysene	228	19.746	19.746	(1.002)	535469	20.0000	19
	80 Di-n-octylphthalate	149	20.859	20.859	(0.955)	940723	20.0000	20
	81 Benzo(b)fluoranthene	252	21.302	21.302	(0.976)	540670	20.0000	19
	82 Benzo(k)fluoranthene	252	21.345	21.345	(0.978)	617498	20.0000	19
$	83 Benzo(a)pyrene-d12	264	21.713	21.713	(0.995)	391399	20.0000	20
	84 Benzo(a)pyrene	252	21.745	21.745	(0.996)	517104	20.0000	21
*	85 Perylene-d12	264	21.831	21.831	(1.000)	458081	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.225	23.225	(1.064)	456030	20.0000	19
	87 Dibenzo(a,h)anthracene	278	23.258	23.258	(1.065)	376953	20.0000	19
	88 Benzo(g,h,i)perylene	276	23.604	23.604	(1.081)	398257	20.0000	19

QC Flag Legend

Q - Qualifier signal failed the ratio test.

06/13/08 BM

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7230.D

Date : 11-JUN-2008 15:52

Client ID: DFTPP1I

Instrument: S1.i

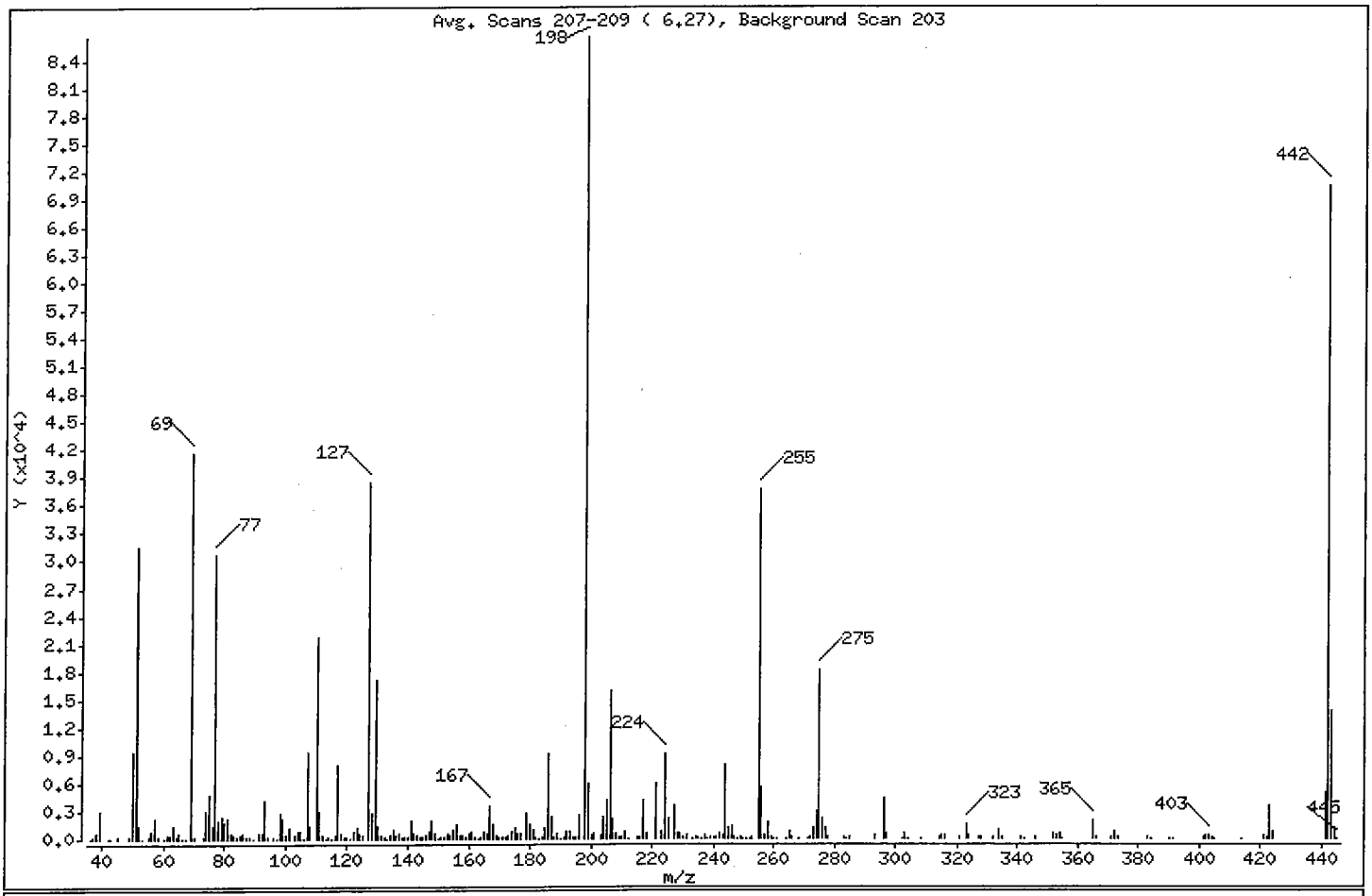
Sample Info: DFTPP1I,DFTPP1I

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	36.48
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	48.10
70	Less than 2.00% of mass 69	0.26 (0.53)
127	25.00 - 75.00% of mass 198	44.52
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 30.00% of mass 198	20.89
365	Greater than 0.75% of mass 198	2.25
441	Present, but less than mass 443	5.71
442	40.00 - 110.00% of mass 198	81.24
443	15.00 - 24.00% of mass 442	15.82 (19.47)

Date : 11-JUN-2008 15:52

Client ID: DFTPP1I Instrument: S1.i

Sample Info: DFTPP1I,DFTPP1I

Operator: DK SRC: DK

Column phase: DB-5MS Column diameter: 0.25

Data File: S1F7230.D
Spectrum: Avg. Scans 207-209 (6.27), Background Scan 203
Location of Maximum: 198.00
Number of points: 263

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	38	117.00	7873	185.00	1273	261.00	96
37.00	126	118.00	614	186.00	9176	264.00	6
38.00	558	119.00	236	187.00	2429	265.00	789
39.00	3038	120.00	134	188.00	149	266.00	144
42.00	42	121.00	56	189.00	633	268.00	70
43.00	66	122.00	785	190.00	94	271.00	68
45.00	108	123.00	1220	191.00	240	272.00	106
49.00	153	124.00	527	192.00	800	273.00	1176
50.00	9376	125.00	483	193.00	834	274.00	3081
51.00	31552	127.00	38504	194.00	164	275.00	18072
52.00	1325	128.00	2735	195.00	107	276.00	2269
53.00	41	129.00	17120	196.00	2650	277.00	1135
55.00	173	130.00	1303	198.00	86496	278.00	244
56.00	780	131.00	362	199.00	5976	283.00	137
57.00	2269	132.00	152	200.00	342	284.00	49
58.00	113	133.00	77	201.00	517	285.00	236
60.00	38	134.00	365	203.00	407	293.00	313
61.00	423	135.00	959	204.00	2321	296.00	4341
62.00	450	136.00	473	205.00	4143	297.00	566
63.00	1308	137.00	595	206.00	15881	302.00	65
64.00	200	138.00	100	207.00	2192	303.00	506
65.00	621	139.00	109	208.00	574	304.00	74
66.00	94	140.00	178	209.00	137	308.00	52
67.00	46	141.00	2023	210.00	142	314.00	224
69.00	41608	142.00	675	211.00	786	315.00	407
70.00	222	143.00	383	212.00	39	316.00	320
73.00	171	144.00	111	215.00	153	321.00	213
74.00	2934	145.00	132	216.00	224	323.00	1603
75.00	4835	146.00	314	217.00	4253	324.00	383
76.00	1474	147.00	792	218.00	607	327.00	274
77.00	30744	148.00	1964	221.00	5930	328.00	130
78.00	2006	149.00	501	223.00	858	332.00	138
79.00	2430	150.00	3	224.00	9242	334.00	988
80.00	1781	151.00	244	225.00	2180	335.00	238
81.00	2271	152.00	232	227.00	3672	341.00	189

Date : 11-JUN-2008 15:52

Client ID: DFTPP1I Instrument: S1.i

Sample Info: DFTPP1I,DFTPP1I

Operator: DK SRC: DK

Column phase: DB-5MS Column diameter: 0.25

Data File: S1F7230.D
Spectrum: Avg. Scans 207-209 (6.27), Background Scan 203
Location of Maximum: 198.00
Number of points: 263

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	566	153.00	508	228.00	536	342.00	48
83.00	397	154.00	467	229.00	686	346.00	277
84.00	164	155.00	1021	230.00	100	352.00	526
85.00	382	156.00	1561	231.00	385	353.00	362
86.00	543	157.00	374	233.00	64	354.00	545
87.00	286	158.00	396	234.00	210	355.00	42
88.00	115	159.00	199	235.00	283	365.00	1946
89.00	33	160.00	539	236.00	93	366.00	272
91.00	624	161.00	869	237.00	313	371.00	110
92.00	652	162.00	267	238.00	33	372.00	890
93.00	4185	163.00	33	239.00	130	373.00	192
94.00	204	164.00	148	240.00	173	383.00	200
96.00	168	165.00	715	241.00	125	384.00	90
97.00	55	166.00	581	242.00	559	390.00	96
98.00	2821	167.00	3622	243.00	366	391.00	81
99.00	2212	168.00	1562	244.00	7890	401.00	136
100.00	374	169.00	452	245.00	1138	402.00	353
101.00	1227	170.00	100	246.00	1339	403.00	486
103.00	436	171.00	137	247.00	235	404.00	208
104.00	865	172.00	264	248.00	43	405.00	35
105.00	797	173.00	391	249.00	292	414.00	25
106.00	55	174.00	756	250.00	80	421.00	452
107.00	9365	175.00	1176	251.00	43	422.00	177
108.00	1455	176.00	552	252.00	38	423.00	3516
110.00	21648	177.00	617	253.00	105	424.00	730
111.00	2965	179.00	2825	255.00	37752	441.00	4935
112.00	378	180.00	1647	256.00	5603	442.00	70272
113.00	63	181.00	945	257.00	363	443.00	13681
114.00	112	182.00	108	258.00	1806	444.00	1274
115.00	37	183.00	93	259.00	254	445.00	48
116.00	363	184.00	199	260.00	40		

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7230.D

Date : 11-JUN-2008 15:52

Client ID: DFTPP1I

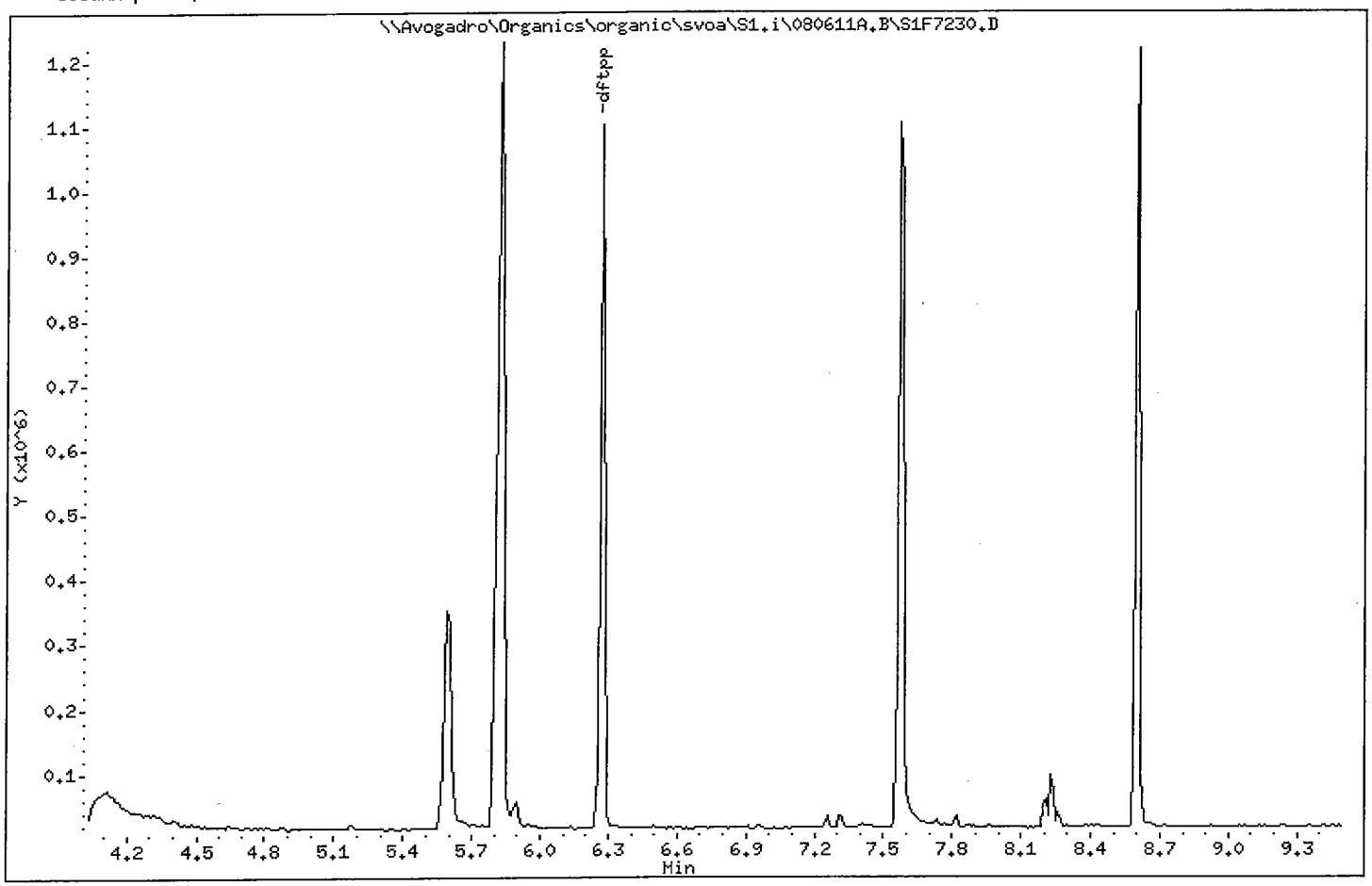
Instrument: S1.i

Sample Info: DFTPP1I,DFTPP1I

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7240.D

Date : 12-JUN-2008 09:46

Client ID: DFTPP1J

Instrument: S1.i

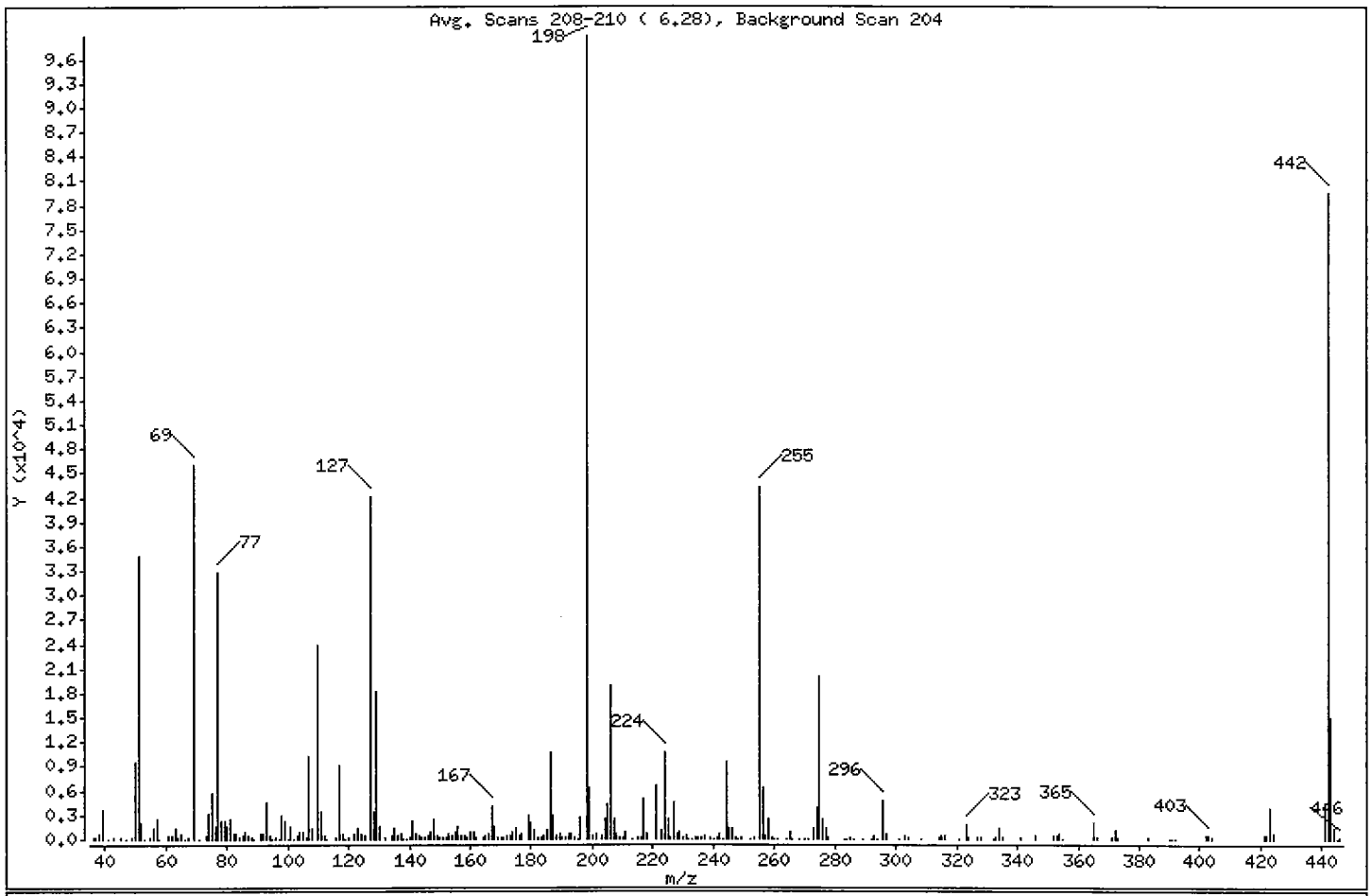
Sample Info: DFTPP1J,DFTPP1J

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	35.23
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	46.52
70	Less than 2.00% of mass 69	0.00 (0.00)
127	25.00 - 75.00% of mass 198	42.70
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.49
275	10.00 - 30.00% of mass 198	20.22
365	Greater than 0.75% of mass 198	2.15
441	Present, but less than mass 443	4.51
442	40.00 - 110.00% of mass 198	80.36
443	15.00 - 24.00% of mass 442	15.28 (19.02)

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7240.D

Date : 12-JUN-2008 09:46

Client ID: DFTPP1J

Instrument: S1.i

Sample Info: DFTPP1J,DFTPP1J

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F7240.D

Spectrum: Avg. Scans 208-210 (6.28), Background Scan 204

Location of Maximum: 198.00

Number of points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	206	117.00	9038	189.00	712	270.00	37
37.00	247	118.00	657	190.00	194	271.00	74
38.00	738	119.00	89	191.00	176	273.00	1305
39.00	3559	120.00	146	192.00	752	274.00	3767
41.00	27	122.00	765	193.00	750	275.00	19992
43.00	204	123.00	1357	194.00	165	276.00	2587
45.00	193	124.00	599	195.00	49	277.00	1379
47.00	38	125.00	514	196.00	2659	278.00	237
49.00	288	127.00	42216	198.00	98856	283.00	102
50.00	9532	128.00	3440	199.00	6415	284.00	54
51.00	34824	129.00	18128	200.00	399	285.00	223
52.00	1972	130.00	1536	201.00	645	286.00	38
53.00	105	132.00	170	203.00	524	289.00	35
55.00	247	134.00	516	204.00	2477	292.00	85
56.00	1301	135.00	1351	205.00	4377	293.00	375
57.00	2492	136.00	537	206.00	18976	294.00	34
58.00	54	137.00	621	207.00	2520	296.00	4887
61.00	555	138.00	37	208.00	615	297.00	712
62.00	539	139.00	87	209.00	206	301.00	37
63.00	1418	140.00	178	210.00	120	303.00	516
64.00	270	141.00	2281	211.00	828	304.00	130
65.00	707	142.00	722	213.00	44	308.00	59
66.00	93	143.00	476	215.00	160	314.00	302
67.00	140	144.00	116	216.00	174	315.00	510
69.00	45992	145.00	152	217.00	5116	316.00	351
71.00	44	146.00	384	218.00	656	321.00	99
73.00	360	147.00	985	221.00	6550	323.00	1759
74.00	3230	148.00	2477	223.00	1226	324.00	246
75.00	5657	149.00	555	224.00	10779	327.00	307
76.00	1680	150.00	164	225.00	2564	328.00	140
77.00	32840	151.00	329	226.00	115	332.00	66
78.00	2321	152.00	120	227.00	4553	333.00	156
79.00	2367	153.00	668	228.00	712	334.00	1261
80.00	1699	154.00	425	229.00	958	335.00	208
81.00	2413	155.00	981	230.00	115	341.00	251

Date : 12-JUN-2008 09:46

Client ID: DFTPP1J Instrument: S1.i

Sample Info: DFTPP1J,DFTPP1J

Operator: DK SRC: DK

Column phase: DB-5MS Column diameter: 0.25

Data File: S1F7240.D
Spectrum: Avg. Scans 208-210 (6.28), Background Scan 204
Location of Maximum: 198.00
Number of points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	615	156.00	1535	231.00	417	346.00	360
83.00	632	157.00	482	232.00	68	352.00	532
84.00	136	158.00	374	233.00	97	353.00	400
85.00	449	159.00	264	234.00	282	354.00	575
86.00	804	160.00	821	235.00	202	355.00	45
87.00	364	161.00	996	236.00	167	365.00	2127
88.00	197	162.00	261	237.00	358	366.00	285
89.00	41	164.00	209	239.00	125	371.00	161
91.00	782	165.00	541	240.00	97	372.00	1077
92.00	671	166.00	656	241.00	254	373.00	162
93.00	4603	167.00	4089	242.00	738	383.00	277
94.00	347	168.00	1681	243.00	109	390.00	108
95.00	109	169.00	338	244.00	9607	391.00	35
96.00	175	170.00	201	245.00	1298	392.00	48
97.00	56	171.00	195	246.00	1380	402.00	397
98.00	2905	172.00	379	247.00	276	403.00	443
99.00	2208	173.00	457	248.00	34	404.00	181
100.00	20	174.00	950	249.00	325	421.00	470
101.00	1590	175.00	1393	252.00	111	422.00	494
102.00	34	176.00	397	253.00	164	423.00	3796
103.00	488	177.00	773	255.00	43168	424.00	720
104.00	815	179.00	3060	256.00	6384	441.00	4454
105.00	860	180.00	1970	257.00	359	442.00	79440
106.00	203	181.00	1044	258.00	2442	443.00	15108
107.00	10153	182.00	171	259.00	311	444.00	1451
108.00	1471	183.00	137	260.00	85	445.00	35
110.00	23960	184.00	346	261.00	90	446.00	122
111.00	3325	185.00	1251	264.00	21		
112.00	394	186.00	10799	265.00	846		
113.00	111	187.00	2900	266.00	64		
116.00	285	188.00	424	268.00	36		

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7240.D

Date : 12-JUN-2008 09:46

Client ID: DFTPP1J

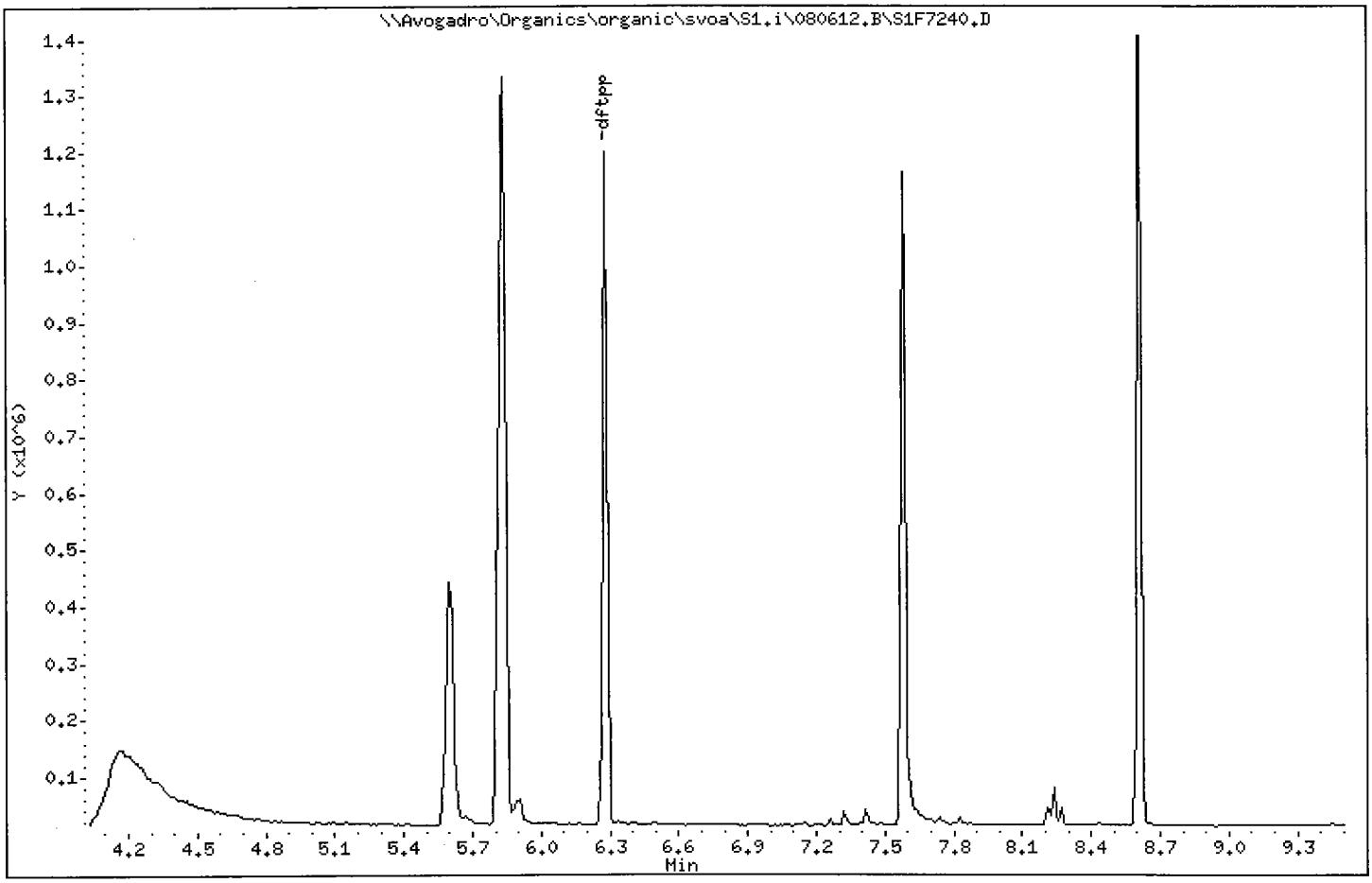
Instrument: S1.i

Sample Info: DFTPP1J,DFTPP1J

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7244.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7244.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7244.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

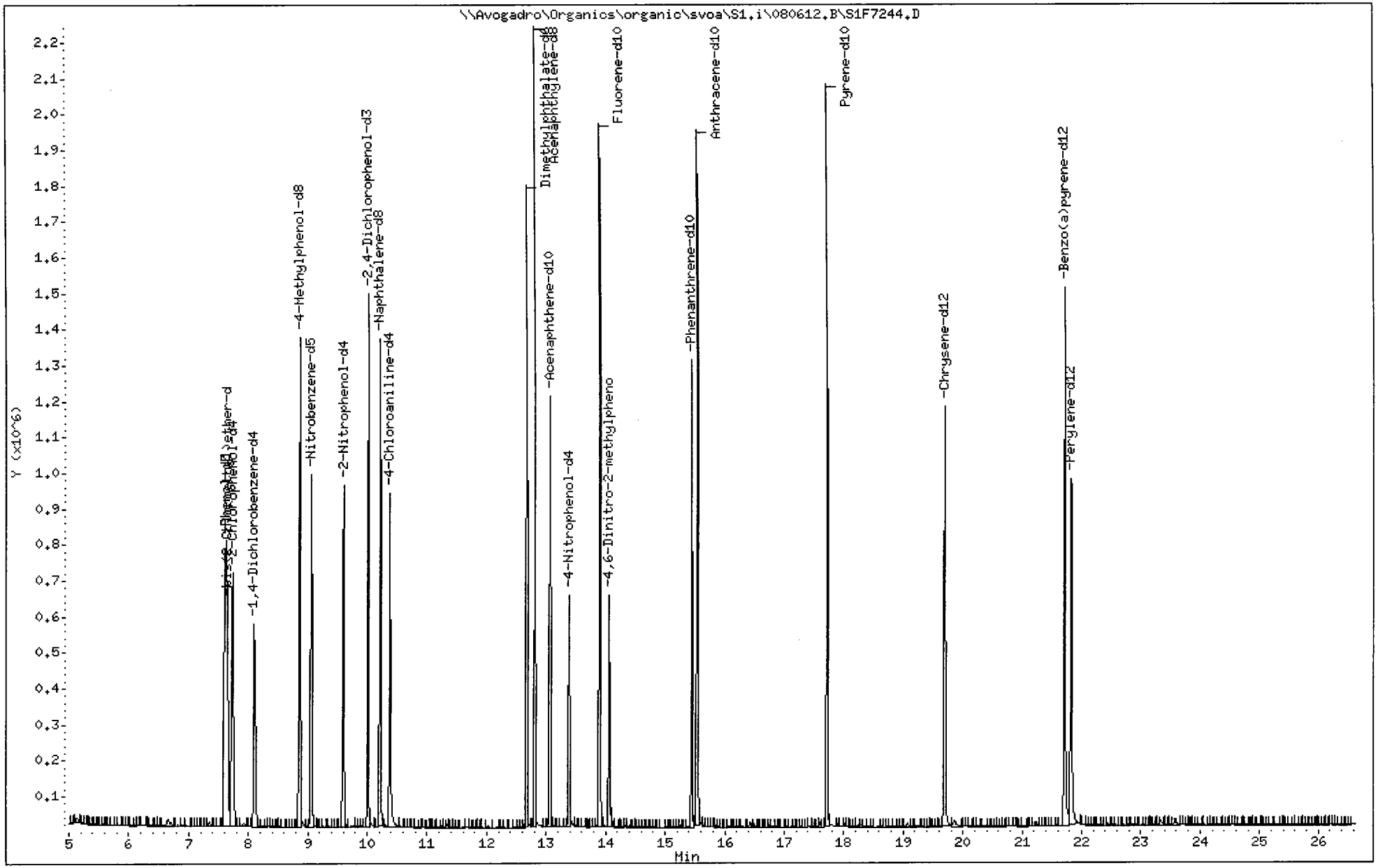
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7244.D
Date : 12-JUN-2008 12:02
Client ID: SBLK1I
Instrument: S1.i
Sample Info: MB-36876,SBLK1I,36876
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



1529

Data File: S1F7244.D
Report Date: 13-Jun-2008 12:32

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7244.D
Lab Smp Id: MB-36876 Client Smp ID: SBLK1I
Inj Date : 12-JUN-2008 12:02
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : MB-36876,SBLK1I,36876
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.622	7.622	(0.941)	1152719	36.8431	37
$	4 bis(2-Chloroethyl)ether-d8	67	7.644	7.633	(0.944)	363908	36.4013	36
$	6 2-Chlorophenol-d4	132	7.730	7.730	(0.955)	625778	38.6662	39
*	8 1,4-Dichlorobenzene-d4	152	8.097	8.097	(1.000)	255499	20.0000	
$	11 4-Methylphenol-d8	113	8.865	8.865	(1.095)	455549	34.2551	34
$	16 Nitrobenzene-d5	128	9.059	9.059	(0.887)	337984	41.2169	41
$	19 2-Nitrophenol-d4	143	9.599	9.599	(0.940)	356489	38.6488	39
$	23 2,4-Dichlorophenol-d3	165	10.010	10.010	(0.980)	480304	39.2764	39
*	25 Naphthalene-d8	136	10.215	10.215	(1.000)	907316	20.0000	
$	27 4-Chloroaniline-d4	131	10.377	10.377	(1.016)	569284	34.8623	35(R)
$	40 Dimethylphthalate-d6	166	12.679	12.679	(0.970)	1211581	37.4115	37
$	43 Acenaphthylene-d8	160	12.809	12.809	(0.980)	1376481	34.6433	35
*	46 Acenaphthene-d10	164	13.068	13.068	(1.000)	445049	20.0000	
$	49 4-Nitrophenol-d4	143	13.392	13.414	(1.025)	233779	37.1688	37(Q)
$	54 Fluorene-d10	176	13.900	13.900	(1.064)	904791	36.9887	37
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.062	14.084	(0.910)	161143	26.4703	26(Q)
*	65 Phenanthrene-d10	188	15.445	15.445	(1.000)	664979	20.0000	
$	67 Anthracene-d10	188	15.532	15.532	(1.006)	1309687	36.4538	36
$	72 Pyrene-d10	212	17.725	17.714	(0.900)	1149073	40.1808	40
*	77 Chrysene-d12	240	19.692	19.703	(1.000)	675501	20.0000	
$	83 Benzo(a)pyrene-d12	264	21.723	21.713	(0.995)	999571	38.5415	39

Data File: S1F7244.D
Report Date: 13-Jun-2008 12:32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 85 Perylene-d12	264	21.831	21.831	(1.000)	607069	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

Data File: S1F7244.D
Report Date: 13-Jun-2008 12:32

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7244.D
Lab Smp Id: MB-36876 Client Smp ID: SBLK1I
Inj Date : 12-JUN-2008 12:02
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : MB-36876,SBLK1I,36876
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ILCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7257.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	63	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	66	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	18	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	61	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	14	
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	47	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	15	

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1ILCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36876

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7257.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

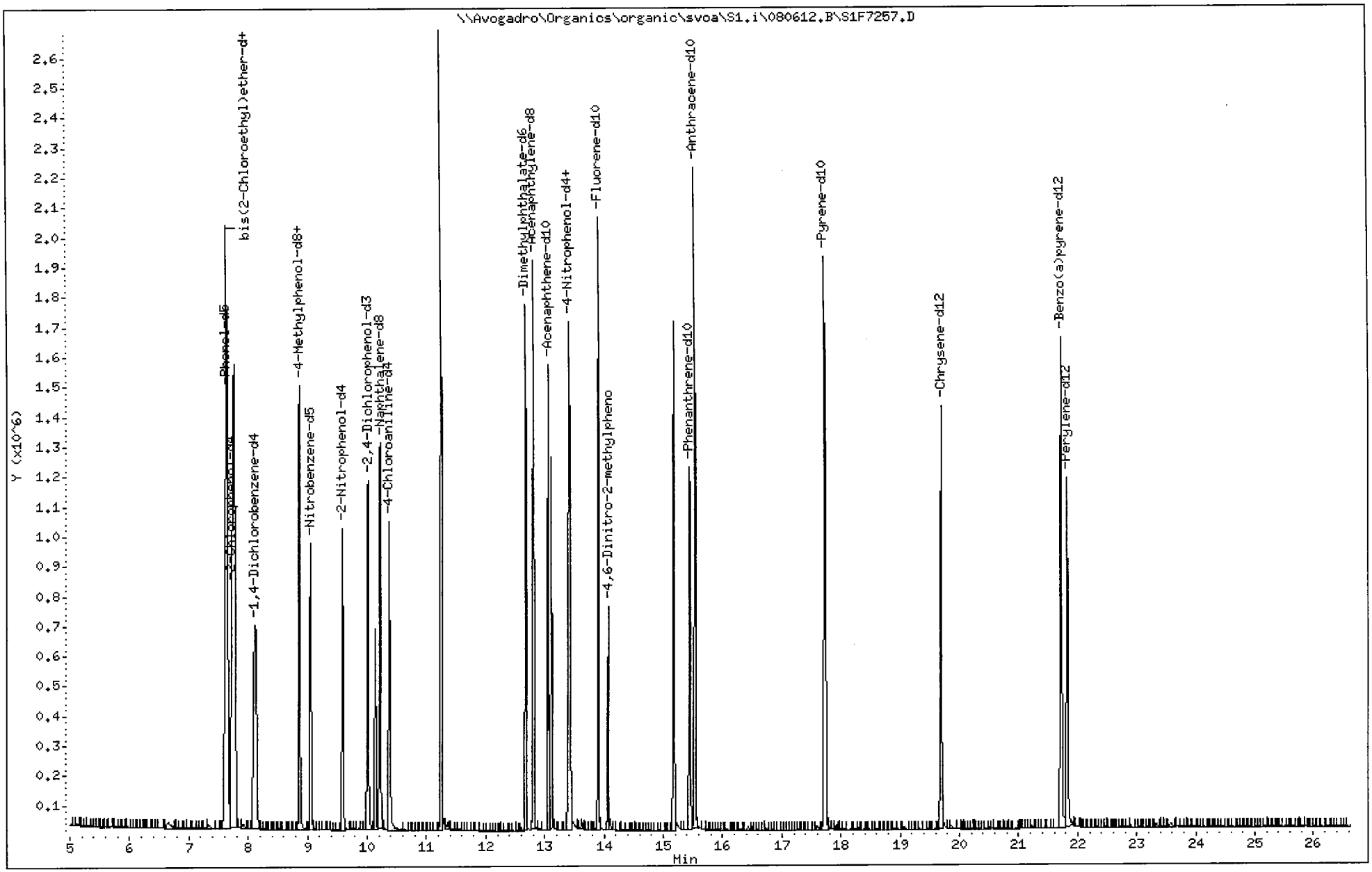
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	61	
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	12	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7257.D
Date : 12-JUN-2008 19:45
Client ID: S1ILCS
Sample Info: LCS-36876,S1ILCS,36876
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i

Operator: DK SRC: LIMS
Column diameter: 0.25



1529

Data File: S1F7257.D
Report Date: 13-Jun-2008 10:21

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7257.D
Lab Smp Id: LCS-36876 Client Smp ID: S1ILCS
Inj Date : 12-JUN-2008 19:45
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : LCS-36876,S1ILCS,36876
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.615	7.622	(0.940)	1105785	33.9570	34
	3 Phenol	94	7.637	7.622	(0.943)	1093285	62.8600	63
$	4 bis(2-Chloroethyl)ether-d8	67	7.648	7.633	(0.944)	373973	35.9410	36
$	6 2-Chlorophenol-d4	132	7.723	7.730	(0.953)	606476	36.0039	36
	7 2-Chlorophenol	128	7.756	7.752	(0.957)	1152424	65.8878	66
*	8 1,4-Dichlorobenzene-d4	152	8.101	8.097	(1.000)	265928	20.0000	
$	11 4-Methylphenol-d8	113	8.869	8.865	(1.095)	479002	34.6061	35
	14 N-Nitroso-di-n-propylamine	70	8.858	8.865	(1.093)	124898	17.7283	18(Q)
$	16 Nitrobenzene-d5	128	9.052	9.059	(0.886)	338885	36.2731	36
$	19 2-Nitrophenol-d4	143	9.593	9.599	(0.939)	360098	34.2660	34
$	23 2,4-Dichlorophenol-d3	165	10.014	10.010	(0.980)	464208	33.3182	33
*	25 Naphthalene-d8	136	10.219	10.215	(1.000)	1033726	20.0000	
$	27 4-Chloroaniline-d4	131	10.371	10.377	(1.015)	552987	29.7232	30(R)
	31 4-Chloro-3-methylphenol	107	11.246	11.242	(1.100)	724159	60.5753	61
$	40 Dimethylphthalate-d6	166	12.672	12.679	(0.970)	1196256	33.9187	34
$	43 Acenaphthylene-d8	160	12.802	12.809	(0.980)	1367284	31.5988	32
*	46 Acenaphthene-d10	164	13.061	13.068	(1.000)	484669	20.0000	
	47 Acenaphthene	153	13.115	13.122	(1.004)	418357	14.4369	14
$	49 4-Nitrophenol-d4	143	13.407	13.414	(1.026)	254453	37.1487	37(Q)
	50 4-Nitrophenol	109	13.418	13.425	(1.027)	190500	46.5285	47(Q)
	51 2,4-Dinitrotoluene	165	13.429	13.435	(1.028)	178453	14.6563	15

Data File: S1F7257.D
Report Date: 13-Jun-2008 10:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	54 Fluorene-d10	176	13.904	13.900	(1.065)	807601	30.3166	30
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.066	14.084	(0.911)	177743	27.3156	27(Q)
	64 Pentachlorophenol	266	15.179	15.175	(0.983)	304525	60.8320	61
*	65 Phenanthrene-d10	188	15.439	15.445	(1.000)	710781	20.0000	
$	67 Anthracene-d10	188	15.536	15.532	(1.006)	1201266	31.2814	31
$	72 Pyrene-d10	212	17.719	17.714	(0.900)	1149159	37.2233	37
	73 Pyrene	202	17.751	17.747	(0.901)	472238	11.9877	12
*	77 Chrysene-d12	240	19.696	19.703	(1.000)	729227	20.0000	
$	83 Benzo(a)pyrene-d12	264	21.717	21.713	(0.995)	910853	33.5228	34
*	85 Perylene-d12	264	21.825	21.831	(1.000)	636006	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7250.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	67	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	69	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	19	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	69	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	16	
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	55	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	16	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7250.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

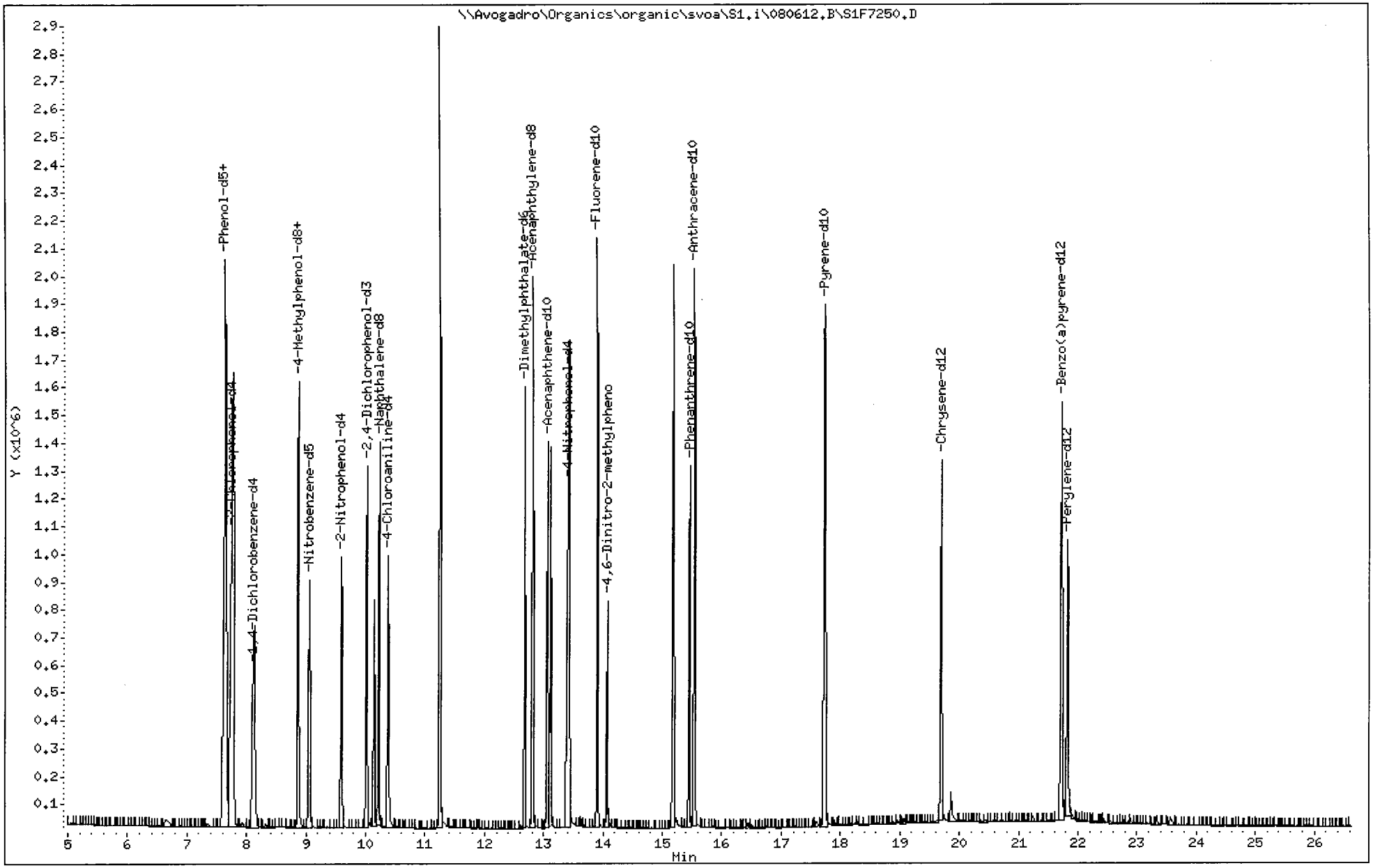
Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	83	E
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	14	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.7	J
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7250.D
Date : 12-JUN-2008 15:45
Client ID: 130173-MW-1-GWMS
Instrument: S1.i
Sample Info: G0846-02BMS,,36876,,
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



0392

Data File: S1F7250.D
Report Date: 13-Jun-2008 10:16

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7250.D
Lab Smp Id: G0846-02BMS Client Smp ID: 130173-MW-1-GWMS
Inj Date : 12-JUN-2008 15:45
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-02BMS,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 10 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.625	7.622	(0.941)	1131396	35.8828	36
	3 Phenol	94	7.636	7.622	(0.943)	1125939	66.8605	67
$	4 bis(2-Chloroethyl)ether-d8	67	7.647	7.633	(0.944)	388335	38.5452	39(QR)
$	6 2-Chlorophenol-d4	132	7.733	7.730	(0.955)	615110	37.7140	38
	7 2-Chlorophenol	128	7.755	7.752	(0.957)	1176513	69.4710	69
*	8 1,4-Dichlorobenzene-d4	152	8.101	8.097	(1.000)	257484	20.0000	
$	11 4-Methylphenol-d8	113	8.868	8.865	(1.095)	479277	35.7615	36
	14 N-Nitroso-di-n-propylamine	70	8.857	8.865	(1.093)	126201	18.5007	19(Q)
$	16 Nitrobenzene-d5	128	9.062	9.059	(0.887)	337954	40.2343	40
$	19 2-Nitrophenol-d4	143	9.592	9.599	(0.939)	375172	39.7082	40
$	23 2,4-Dichlorophenol-d3	165	10.013	10.010	(0.980)	462788	36.9452	37
*	25 Naphthalene-d8	136	10.219	10.215	(1.000)	929391	20.0000	
$	27 4-Chloroaniline-d4	131	10.370	10.377	(1.015)	509649	30.4690	30(R)
	31 4-Chloro-3-methylphenol	107	11.245	11.242	(1.100)	739247	68.7793	69
$	40 Dimethylphthalate-d6	166	12.682	12.679	(0.971)	1259605	36.7468	37
$	43 Acenaphthylene-d8	160	12.812	12.809	(0.981)	1334563	31.7337	32
*	46 Acenaphthene-d10	164	13.060	13.068	(1.000)	471059	20.0000	
	47 Acenaphthene	153	13.114	13.122	(1.004)	446849	15.8657	16
$	49 4-Nitrophenol-d4	143	13.406	13.414	(1.026)	260514	39.1324	39(Q)
	50 4-Nitrophenol	109	13.428	13.425	(1.028)	220577	55.4312	55(Q)
	51 2,4-Dinitrotoluene	165	13.439	13.435	(1.029)	195040	16.4814	16(Q)
$	54 Fluorene-d10	176	13.903	13.900	(1.065)	892651	34.4774	34

Data File: S1F7250.D
Report Date: 13-Jun-2008 10:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.065	14.084	(0.910)	219574	35.6861	36(Q)
	64 Pentachlorophenol	266	15.178	15.175	(0.983)	390616	82.5197	83(A)
*	65 Phenanthrene-d10	188	15.448	15.445	(1.000)	672105	20.0000	
$	67 Anthracene-d10	188	15.535	15.532	(1.006)	1284845	35.3831	35
$	72 Pyrene-d10	212	17.728	17.714	(0.900)	1154775	39.3756	39
	73 Pyrene	202	17.750	17.747	(0.901)	507647	13.5654	14
	79 bis(2-Ethylhexyl)phthalate	149	19.868	19.865	(1.009)	62195	1.71094	1.7(a)
*	77 Chrysene-d12	240	19.695	19.703	(1.000)	692735	20.0000	
$	83 Benzo(a)pyrene-d12	264	21.727	21.713	(0.996)	984638	40.4360	40
*	85 Perylene-d12	264	21.824	21.831	(1.000)	569982	20.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7251.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	64	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	69	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	18	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	65	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	15	
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	55	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	16	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-1-GWMS D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0846

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0846-02BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7251.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/04/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/04/2008

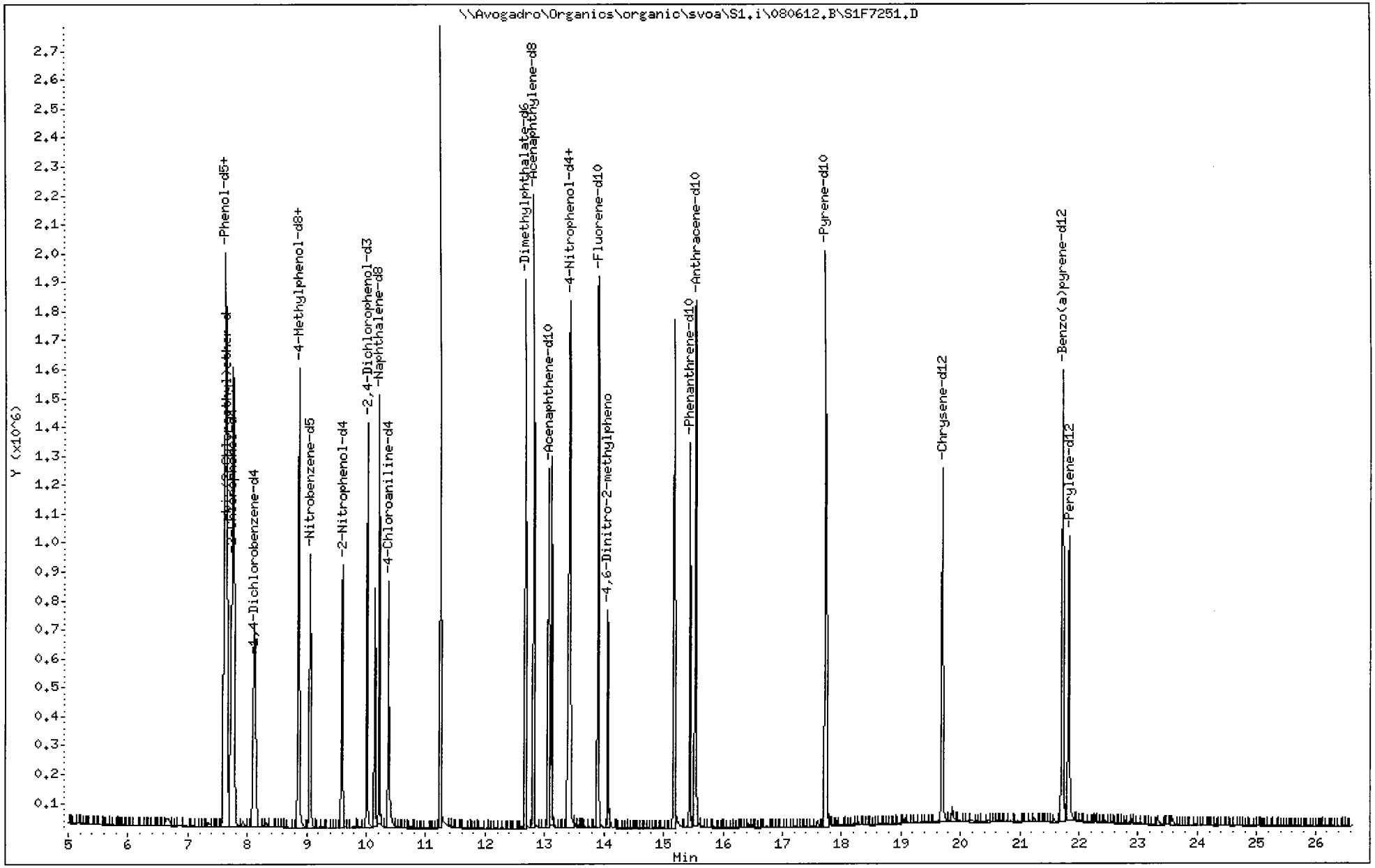
Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	80	
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	13	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7251.D
Date : 12-JUN-2008 16:19
Client ID: 130173-MW-1-GWMSD
Sample Info: G0846-02BMSD,,36876,,
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i
Operator: DK SRC: LIMS
Column diameter: 0.25



1959

Data File: S1F7251.D
Report Date: 13-Jun-2008 10:17

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7251.D
Lab Smp Id: G0846-02BMSD Client Smp ID: 130173-MW-1-GWMSD
Inj Date : 12-JUN-2008 16:19
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0846-02BMSD,,36876,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 11 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.622	7.622	(0.941)	1081905	34.9466	35
	3 Phenol	94	7.633	7.622	(0.943)	1063808	64.3371	64
$	4 bis(2-Chloroethyl)ether-d8	67	7.655	7.633	(0.945)	368906	37.2927	37
$	6 2-Chlorophenol-d4	132	7.731	7.730	(0.955)	595415	37.1804	37
	7 2-Chlorophenol	128	7.763	7.752	(0.959)	1143992	68.7976	69
*	8 1,4-Dichlorobenzene-d4	152	8.098	8.097	(1.000)	252817	20.0000	
$	11 4-Methylphenol-d8	113	8.865	8.865	(1.095)	467846	35.5529	36
	14 N-Nitroso-di-n-propylamine	70	8.865	8.865	(1.095)	117780	17.5849	18(Q)
$	16 Nitrobenzene-d5	128	9.060	9.059	(0.887)	342228	39.2186	39
$	19 2-Nitrophenol-d4	143	9.600	9.599	(0.940)	369306	37.6247	38
$	23 2,4-Dichlorophenol-d3	165	10.011	10.010	(0.980)	466683	35.8620	36
*	25 Naphthalene-d8	136	10.216	10.215	(1.000)	965520	20.0000	
$	27 4-Chloroaniline-d4	131	10.367	10.377	(1.015)	511103	29.4125	29(R)
	31 4-Chloro-3-methylphenol	107	11.242	11.242	(1.100)	728293	65.2246	65
$	40 Dimethylphthalate-d6	166	12.680	12.679	(0.970)	1235820	36.0577	36
$	43 Acenaphthylene-d8	160	12.809	12.809	(0.980)	1316991	31.3200	31
*	46 Acenaphthene-d10	164	13.069	13.068	(1.000)	470997	20.0000	
	47 Acenaphthene	153	13.112	13.122	(1.003)	432496	15.3581	15
$	49 4-Nitrophenol-d4	143	13.414	13.414	(1.026)	259725	39.0190	39(Q)
	50 4-Nitrophenol	109	13.425	13.425	(1.027)	219340	55.1276	55(Q)
	51 2,4-Dinitrotoluene	165	13.436	13.435	(1.028)	191165	16.1561	16(Q)

Data File: S1F7251.D
Report Date: 13-Jun-2008 10:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	54 Fluorene-d10	176	13.911	13.900	(1.064)	881341	34.0451	34
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.073	14.084	(0.911)	218302	36.9741	37(Q)
	64 Pentachlorophenol	266	15.186	15.175	(0.983)	361264	79.5343	80
*	65 Phenanthrene-d10	188	15.446	15.445	(1.000)	644934	20.0000	
$	67 Anthracene-d10	188	15.543	15.532	(1.006)	1236681	35.4916	35
$	72 Pyrene-d10	212	17.726	17.714	(0.900)	1140355	39.1970	39
	73 Pyrene	202	17.747	17.747	(0.901)	496654	13.3785	13
*	77 Chrysene-d12	240	19.692	19.703	(1.000)	687202	20.0000	
$	83 Benzo(a)pyrene-d12	264	21.724	21.713	(0.995)	960245	38.5265	39
*	85 Perylene-d12	264	21.832	21.831	(1.000)	583411	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

Mitkem Corporation / Instrument S1 Injection Log — METHOD: OLC — ANALYST: BM — BATCH: 080611A.B — Start: 11-JUN-08 15:52
Semivolatiles Laboratory — ICAL DATE: 06/11/08 — EMV: 1541 — End: 11-JUN-08 18:52

Comments: IS - SI080417A

Tune - SW080603B
L1 - SW080603C
L2 - SW080603D
L3 - SW080603E
L4 - SW080603F
L5 - SW080603G

GOLD SEAL-CLEAN
LINER - CLEAN
CLIPPED COLUMN-YES

Reviewed By: 06/12/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES OLC-SOM A B C D E F G H I J K L M M O P	DILN	FLG	COMMENTS
S1F7230	15:52	DFTPP1I	DFTPP1I										1		OK
S1F7231	16:23	SSTD0201I	SSTD0201I		AQ	100	100	100	100	100	100		1		OK
S1F7232	17:00	SSTD0051I	SSTD0051I		AQ	112	108	121	115	107	102		1		OK
S1F7233	17:38	SSTD0801I	SSTD0801I		AQ	103	99	109	106	94	102		1		OK ICAL
S1F7234	18:15	SSTD0101I	SSTD0101I		AQ	108	103	119	112	106	109		1		OK
S1F7235	18:52	SSTD0501I	SSTD0501I		AQ	108	109	114	107	104	107		1		OK

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

#1996

06/12/08 BM

Ferrule

Mitkem Corporation
Semivolatiles Laboratory

Instrument S1 Injection Log

METHOD: OLC
ICAL DATE: 06/11/08

ANALYST: BM
EMV: 1541

BATCH: 080612.B

Start: 12-JUN-08 09:46
End: 12-JUN-08 19:45

Comments: IS - SI080417A
Tune - SW080603B
L3 - SW080603E
#1996

Reviewed By: CK 6/13/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	M	O	P	DILN	FLG	COMMENTS
S1F7240	09:46	DFTPP1J	DFTPP1J																									1		OK
S1F7241	10:14	SSTD0201J	SSTD0201J		AQ	100	100	100	100	100	100																	1		OK
S1F7242	10:50	MB-36906	SBLK1H	36906	AQ	117	123	131	128	128	130								*									1		OK
S1F7243	11:26	LCS-36906	S1HLCS	36906	AQ	133	133	150	134	134	131								*									1		OK
S1F7244	12:02	MB-36876	SBLK1I	36876	AQ	134	132	143	136	129	133								*									1		OK
S1F7245	12:51	LCS-36876	S1ILCS	36876	AQ	128	136	146	134	133	133		*						*									1		Re-run
S1F7246	13:26	G0859-01B	130173-MW-4-GW	36906	AQ	141	143	147	139	132	132																	1		OK
S1F7247	14:01	G0859-02B	130173-FB-6408	36906	AQ	129	136	145	134	134	136								*									1		OK
S1F7248	14:36	G0859-03B	130173-MW-3-GW	36906	AQ	142	147	143	147	134	140																	1		OK
S1F7249	15:10	G0846-02B	130173-MW-1-GW	36876	AQ	140	145	153	148	138	134		*															1		OK
S1F7250	15:45	G0846-02BMS	130173-MW-1-GWM	36876	AQ	135	135	151	137	132	124		*						*									1	E	OK
S1F7251	16:19	G0846-02BMSD	130173-MW-1-GWM	36876	AQ	133	141	151	131	131	127								*									1		OK
S1F7252	16:54	G0846-03B	130173-FB-6308	36876	AQ	140	139	150	140	141	139								*									1		OK
S1F7253	17:28	G0846-04B	130173-MW-6-GW	36876	AQ	141	144	155	144	142	144		*						*									1		OK
S1F7254	18:02	G0846-05B	130173-MW66-GW	36876	AQ	144	141	146	134	134	130								*									1		OK
S1F7255	18:37	G0846-06B	130173-MW-2-GW	36876	AQ	138	145	151	142	140	141								*									1		OK
S1F7256	19:11	G0846-07B	130173-MW-5-GW	36876	AQ	145	150	166	152	143	143																	1		OK
S1F7257	19:45	LCS-36876	S1ILCS	36876	AQ	140	150	155	145	139	139								*									1		OK

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

06/13/08 BM

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc. ORGANIC PREP - SAMPLE PREPARATION: SEMIVOLATILES

Date:	Analysis:	Method #	Matrix	Sodium Sulfate Lot #:
6-4-08	OLC 3.2	Aq: 3510C (SepF) 3520C (Liq/Liq) Other: Soil: 3550B (Sonic) 3540C (Soxhlet)	Aqueous Soil Wipe Oil Other:	F43602

Batch ID	LCS ID	Analyst	Spiked By	Witness	MeCl Lot#	MeCL/Acetone 1:1 Lot#	H_2SO_4 Lot#	NaOH Lot#	Time/Date Started:	Time/Date Ended:
36876	36876	Roy	Roy	AC	CV435	—	OPW080512A	—	6-4-08 15:00	6-5-08 09:00

Lab ID	Bottle #	Sample Wt (g) / Vol (mL)	Initial pH	Surrogate Spike Added(uL)	Matrix Spike Added(uL)	H2SO4 pH<2	NaOH pH>11	Emulsion	KD/RV Prior to Fractionation Date / Analyst	Fractionation Date / Analyst	Final Concentration Date / Analyst	Final Conc. Volume (mL)	Date Extract Trans.
MB 36876	—	1000	7.0	1 mL	—	<2	—	—			6/06/08 MW	1	6/06/0
LCS 36876	—				1 mL								
60846-02B	1				—								
-02B MS	2				1 mL								
-02B MSD	3				1 mL								
-03B	1				—								
-04B	1												
-05B	1												
-06B	1												
60846-07B	1	1000	7.0	1 mL	—	<2	—	—			6/06/08 MW	1	6/06/0

6/06/08 MW

6-4-08 ROY

Comments:

Surrogate Std. ID: 05J080522C

Matrix Spike/LCS Std. ID: 05J071204A

Sonicator Tuned: Yes / No YS

Soxhet Cycle/Hour: NA

Drip Rate NA

Water Bath Temp: 85°C

Logbook ID: 50.0147-05/08

Reviewed By: RK 6/6/8

FSS

MITKEM LABORATORIES: SEMIVOLATILE EXTRACT TRANSFER LOGBOOK

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Disposal Date	Comments
6/05/08	G0814-	05A	MW				
↓	↓	06A	↓				
		07A					
		08A					
		09A					
		10A					
		11A					
	↓	12A					
	G0814-	13A					
	G0821-	01A		SW	CLP R7-86		
	↓	02A		↓	↓		
		03A					
	↓	04A					
	G0821-	05A					
	MB 36838	-					
	MB 36839	-					
	G0492-	06DMS					
	↓	06DMSD					
↓	↓	06MS	↓				
6/05/08	G0492-	06MSD	MW	↓	↓		
↓	GP4080602	SB	↓	SW			
	MB 36874	-		BM	CLP-R7-85		
	MB 36875	-		↓	↓		DK 06/11/08
	LCS 36875	-					
↓	LCSD 36875	-	↓				
6/05/08	G0803-	08B	MW	↓	↓		
6/06/08	MB 36876	-		BM	CLP-R7-85		
↓	LCS 36876	-	↓	↓	↓		
	G0846-	02B					
	↓	02BMS					
		02BMSD					
		06B					
↓	↓	04B	↓				
6/06/08	G0846-	05B	MW	↓	↓		

Logbook ID 70.0141-02/08

Reviewed By: 6/13/08 YS

0313

MITKEM LABORATORIES: SEMIVOLATILE EXTRACT TRANSFER LOGBOOK

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Disposal Date	Comments
6/06/08	G0846-	06B	MW	BM	CLP-R7-85		
	G0846-	MB	↓	↓	↓		
	MB 36899	-		BM	R7-116		
	LCS 36899	-					
	LCSD 36899	-					
	G0848-	01B					
	G0854-	01D					
	↓	02D					
	G0854-	03D					
	MB 36906	-			CLP-R7-85		
	LCS 36906	-					
	G0859-	01B					
	↓	02B					
	G0859-	03B					
↓	G0871-	01AREAL	↓				
6/06/08	G0854-	02AREAL	MW				
6/06/08	MB-36924	~	AL	BM	R7-116		
	IPANDA1-36924						
	IPANDA2-36924						
↓	IPANDA3-36924	↓	↓				
6/6/08	IPANDA4-36924	~	AL	↓	↓		
6.7.8	MB-36895	-	PC	SW	CLP R7-84		
	MB-36899	-					
	G0847	01B					
↓	G0871	10AREAL	↓				
6.7.8	G0771	11AREAL	PC	↓	↓		
MB 6/8/08	MB-36928	-	TR				
	G0864	01B					
		02B					
		03B					
		07B					
↓	↓	07BMS	↓				
6/8/08	G0864	07BMSD	TR				

6/11/08 JS

Logbook ID 70.0141-02/08

Reviewed By: 6/13/08 JS

0314

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc.

Sample Receiving Logbook

Workorder No. G0846

Client Name: CDM-NJ

Date Recv'd 6/4/08 **Sample #s** 01-07 **Storage Locations:** VOA, D2, MU CN

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT		IN	
Relinquished By	**Received By**	**Relinquished By**	**Received By**
Date: 6-4-08 Init: AC	Date: 6-4-08 Init: RDY	Date: 6-4-08 Init: RDY	Date: 6-4-08 Init: AC
Samp. #s 0281 → 0781, 0282, 0283		MT	
Date: 6/5/08 Init: CAN	Date: 6/5/08 Init: NAB	Date: 6/5/08 Init: NAB	Date: 6/5/08 Init: CAN
Samp. #s 02-07C x3	ICM Hgds, ICM Hg	02-07C x2 02C-MT	
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: 6/13/08 BM Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)
Include the abbreviated name of the test to be performed., ie: SVOA, PCB...near the "samp. #s".
Include bottle or jar number when more than one.

Reviewed: 06/13/08 BM

0315

MITKEM LABORATORIES

* Metals *

U.S.EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID
130173-FB-6308	G0846-03
130173-MW-1-GW	G0846-02
130173-MW-1-GWD	G0846-02DUP
130173-MW-1-GWS	G0846-02MS
130173-MW-2-GW	G0846-06
130173-MW-5-GW	G0846-07
130173-MW-6-GW	G0846-04
130173-MW66-GW	G0846-05

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

Comments:

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

Signature: Name: Dawn E. Smart

Date: 6/23/08 Title:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-FB-6308

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-03

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.3	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.9	B		P
7440-39-3	Barium	4.9	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	73.0	U		P
7440-47-3	Chromium	0.49	B		P
7440-48-4	Cobalt	0.21	U		P
7440-50-8	Copper	2.7	B		P
7439-89-6	Iron	88.2	B	*	P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	11.3	B		P
7439-96-5	Manganese	1.8	B		P
7439-97-6	Mercury	0.093	B		CV
7440-02-0	Nickel	0.35	U		P
7440-09-7	Potassium	34.8	U		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	48.8	B		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	13.2	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-1-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-02

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.1	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	45.0	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	15700			P
7440-47-3	Chromium	13.6			P
7440-48-4	Cobalt	0.39	B		P
7440-50-8	Copper	5.6	B		P
7439-89-6	Iron	79.4	B	*	P
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium	5210			P
7439-96-5	Manganese	18.3			P
7439-97-6	Mercury	0.098	B		CV
7440-02-0	Nickel	10.2	B		P
7440-09-7	Potassium	6550			P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	2.2	B		P
7440-23-5	Sodium	13000			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	30.0		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-2-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-06

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	37.4	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	75.7	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	24100			P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	0.36	B		P
7440-50-8	Copper	4.1	B		P
7439-89-6	Iron	90.3	B	*	P
7439-92-1	Lead	1.5	B		P
7439-95-4	Magnesium	6520			P
7439-96-5	Manganese	15.1			P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	8.7	B		P
7440-09-7	Potassium	1680	B		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	10300			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	22.3		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-5-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-07

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.1	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	51.0	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	1.4	B		P
7440-70-2	Calcium	18700			P
7440-47-3	Chromium	11.5			P
7440-48-4	Cobalt	0.70	B		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	122		*	P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	2660	B		P
7439-96-5	Manganese	20.1			P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	9.3	B		P
7440-09-7	Potassium	3670	B		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	27500			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	15.8	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-6-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-04

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	78.1	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	72.2	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	13500			P
7440-47-3	Chromium	16.7			P
7440-48-4	Cobalt	0.55	B		P
7440-50-8	Copper	3.4	B		P
7439-89-6	Iron	179		*	P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	4060	B		P
7439-96-5	Manganese	18.4			P
7439-97-6	Mercury	0.098	B		CV
7440-02-0	Nickel	14.0	B		P
7440-09-7	Potassium	2900	B		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.76	B		P
7440-23-5	Sodium	16700			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.62	B		P
7440-66-6	Zinc	21.3		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW66-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Lab Sample ID: G0846-05

Level (low/med): MED Date Received: 06/04/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	94.7	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	4.2	B		P
7440-39-3	Barium	73.6	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	1.0	B		P
7440-70-2	Calcium	13600			P
7440-47-3	Chromium	18.0			P
7440-48-4	Cobalt	0.74	B		P
7440-50-8	Copper	3.0	B		P
7439-89-6	Iron	197		*	P
7439-92-1	Lead	1.5	B		P
7439-95-4	Magnesium	4180	B		P
7439-96-5	Manganese	20.1			P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	14.9	B		P
7440-09-7	Potassium	2840	B		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.77	B		P
7440-23-5	Sodium	16500			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.85	B		P
7440-66-6	Zinc	25.1		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury	2.0	2.18	109.0	5.0	5.21	104.1	5.21	104.2	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	5.26	105.2	5.28	105.7	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cadmium	375.0	376.96	100.5	250.0	263.16	105.3	258.25	103.3	P
Zinc	3750.0	3715.84	99.1	2500.0	2465.52	98.6	2442.56	97.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cadmium				250.0	257.43	103.0			P
Zinc				2500.0	2440.50	97.6			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium	37500.0	37598.79	100.3	25000.0	25459.88	101.8	25718.26	102.9	P
Sodium	37500.0	38119.98	101.7	25000.0	26201.46	104.8	26411.82	105.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium				25000.0	25619.69	102.5			P
Sodium				25000.0	26379.23	105.5			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum	15000.0	14834.12	98.9	10000.0	9862.31	98.6	10126.94	101.3	P
Antimony	750.0	735.06	98.0	500.0	503.84	100.8	511.84	102.4	P
Arsenic	750.0	769.38	102.6	500.0	517.76	103.6	534.09	106.8	P
Barium	15000.0	15329.29	102.2	10000.0	10610.14	106.1	10839.24	108.4	P
Beryllium	375.0	378.89	101.0	250.0	255.83	102.3	262.90	105.2	P
Calcium	37500.0	37026.42	98.7	25000.0	24578.23	98.3	24918.35	99.7	P
Chromium	1500.0	1537.66	102.5	1000.0	1042.83	104.3	1075.36	107.5	P
Cobalt	3750.0	3903.17	104.1	2500.0	2653.63	106.1	2743.46	109.7	P
Copper	1875.0	1879.22	100.2	1250.0	1240.57	99.2	1270.58	101.6	P
Iron	7500.0	7674.40	102.3	5000.0	5229.41	104.6	5386.44	107.7	P
Lead	750.0	757.36	101.0	500.0	516.72	103.3	527.99	105.6	P
Magnesium	37500.0	38362.68	102.3	25000.0	26002.84	104.0	26780.96	107.1	P
Manganese	3750.0	3778.45	100.8	2500.0	2560.94	102.4	2635.05	105.4	P
Nickel	3750.0	3889.93	103.7	2500.0	2646.75	105.9	2738.39	109.5	P
Selenium	750.0	759.13	101.2	500.0	507.36	101.5	523.29	104.7	P
Silver	1875.0	1768.62	94.3	1250.0	1245.53	99.6	1281.33	102.5	P
Thallium	750.0	759.98	101.3	500.0	512.28	102.5	524.99	105.0	P
Vanadium	3750.0	3777.44	100.7	2500.0	2535.27	101.4	2608.16	104.3	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	9892.77	98.9	9765.32	97.7	P
Antimony				500.0	507.59	101.5	493.57	98.7	P
Arsenic				500.0	523.92	104.8	505.46	101.1	P
Barium				10000.0	10602.36	106.0	9985.26	99.9	P
Beryllium				250.0	259.27	103.7	262.17	104.9	P
Calcium				25000.0	24781.74	99.1	24576.96	98.3	P
Chromium				1000.0	1042.22	104.2	1013.73	101.4	P
Cobalt				2500.0	2669.19	106.8	2637.71	105.5	P
Copper				1250.0	1238.01	99.0	1171.13	93.7	P
Iron				5000.0	5260.35	105.2	5183.78	103.7	P
Lead				500.0	521.23	104.2	522.19	104.4	P
Magnesium				25000.0	26243.97	105.0	26077.95	104.3	P
Manganese				2500.0	2598.06	103.9	2639.88	105.6	P
Nickel				2500.0	2659.25	106.4	2604.04	104.2	P
Selenium				500.0	511.99	102.4	519.99	104.0	P
Silver				1250.0	1242.50	99.4	1214.20	97.1	P
Thallium				500.0	517.81	103.6	518.15	103.6	P
Vanadium				2500.0	2559.38	102.4	2467.23	98.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10036.99	100.4			P
Antimony				500.0	494.83	99.0			P
Arsenic				500.0	501.94	100.4			P
Barium				10000.0	9703.19	97.0			P
Beryllium				250.0	264.51	105.8			P
Calcium				25000.0	24677.97	98.7			P
Chromium				1000.0	1037.77	103.8			P
Cobalt				2500.0	2708.73	108.3			P
Copper				1250.0	1183.19	94.7			P
Iron				5000.0	5342.51	106.9			P
Lead				500.0	530.36	106.1			P
Magnesium				25000.0	26273.65	105.1			P
Manganese				2500.0	2689.50	107.6			P
Nickel				2500.0	2675.41	107.0			P
Selenium				500.0	541.64	108.3			P
Silver				1250.0	1241.86	99.3			P
Thallium				500.0	527.44	105.5			P
Vanadium				2500.0	2550.19	102.0			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2B

CRDL STANDARD FORR AA AND ICP

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.2	0.3	150.0					

Control Limits: no control limits have been established by EPA at this time

U.S. EPA - CLP

2B

CRDL STANDARD FORR AA AND ICP

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Cadmium				10.0	10.29	102.9	10.23	102.3
Zinc				40.0	43.34	108.3	42.09	105.2

Control Limits: no control limits have been established by EPA at this time

U.S. EPA - CLP

2B

CRDL STANDARD FORR AA AND ICP

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	107.57	89.6	110.15	91.8
Arsenic				20.0	22.08	110.4	20.23	101.2
Beryllium				10.0	9.79	97.9	10.06	100.6
Chromium				20.0	21.09	105.5	21.52	107.6
Cobalt				100.0	111.97	112.0	116.73	116.7
Copper				50.0	51.55	103.1	52.44	104.9
Lead				6.0	5.85	97.5	6.4	106.6
Manganese				30.0	32.91	109.7	34.01	113.4
Nickel				80.0	89.68	112.1	91.61	114.5
Selenium				10.0	12.82	128.2	5 U	22.9
Silver				20.0	24.65	123.3	21.09	105.5
Thallium				20.0	21.81	109.0	21.11	105.6
Vanadium				100.0	100.7	100.7	103.36	103.4

Control Limits: no control limits have been established by EPA at this time

U.S. EPA - CLP

2B

CRDL STANDARD FORR AA AND ICP

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0			106.31	88.6
Arsenic				20.0			20.09	100.5
Beryllium				10.0			10.04	100.4
Chromium				20.0			20.73	103.7
Cobalt				100.0			113.71	113.7
Copper				50.0			49.41	98.8
Lead				6.0			6.65	110.8
Manganese				30.0			34.26	114.2
Nickel				80.0			89.37	111.7
Selenium				10.0			8.49	84.9
Silver				20.0			20.68	103.4
Thallium				20.0			22.76	113.8
Vanadium				100.0			100.43	100.4

Control Limits: no control limits have been established by EPA at this time

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36916**

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

FIMS1_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.111	B	0.102	B	0.114	B	0.116	B	0.094	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): Method Blank ID:

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

FIMS1_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.118	B							

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA2_080611A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	0.080	U	
Zinc	7.6	B	6.3	B	4.9	B	6.3	B	14.013	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA3_080605B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	34.8	U	34.9	U	34.9	U	40.5	B	34.850	U	
Sodium	36.8	B	19.6	B	23.4	B	30.8	B	129.351	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA3_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	7.6	U	15.0	B	16.1	B	12.0	B	22.994	B	
Antimony	2.0	U	2.0	U	2.0	U	2.0	U	1.990	U	
Arsenic	2.5	U	2.5	U	2.5	U	2.5	U	2.480	U	
Barium	0.6	B	0.4	B	0.3	B	0.3	B	0.792	B	
Beryllium	0.0	U	0.0	B	0.0	B	0.0	U	-0.039	B	
Calcium	73.0	U	73.0	U	73.0	U	73.0	U	72.980	U	
Chromium	0.2	U	0.2	B	0.2	U	0.2	U	0.160	U	
Cobalt	0.2	U	0.2	U	0.3	B	0.2	U	0.210	U	
Copper	1.8	B	2.9	B	2.0	B	2.5	B	4.557	B	
Iron	0.7	U	2.3	B	1.2	B	2.3	B	52.114	B	
Lead	1.3	U	1.3	U	1.3	U	1.3	U	1.280	U	
Magnesium	6.4	U	6.4	U	6.4	U	6.4	U	6.370	U	
Manganese	1.1	U	1.1	U	1.1	U	1.1	U	3.326	B	
Nickel	0.4	U	0.3	U	0.3	U	0.3	U	0.350	U	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	4.750	U	
Silver	6.0	B	1.0	B	0.5	B	0.5	U	4.125	B	
Thallium	2.3	U	2.3	U	2.3	U	2.3	U	2.330	U	
Vanadium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	

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3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA3_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			7.6	U	7.6	U					
Antimony			2.0	U	2.0	U					
Arsenic			2.5	U	2.5	U					
Barium			0.3	B	0.3	B					
Beryllium			0.0	U	0.0	U					
Calcium			73.0	U	73.0	U					
Chromium			0.2	U	0.2	U					
Cobalt			0.2	U	0.2	U					
Copper			1.2	B	2.4	B					
Iron			0.9	B	3.5	B					
Lead			1.3	U	1.3	U					
Magnesium			6.4	U	7.0	B					
Manganese			1.1	U	1.1	U					
Nickel			0.3	U	0.3	U					
Selenium			4.8	U	4.8	U					
Silver			0.5	U	0.5	B					
Thallium			2.3	U	2.3	U					
Vanadium			0.5	U	0.5	U					

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA2 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found %R	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found %R	Final Found Sol. AB	Final Found %R
Cadmium	0	1000	2.0		894	89.4	2.0		889	88.9
Zinc	0	1000	13.0		836	83.6	12.0		826	82.6

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Potassium	0	0	4.0		6.9		35.0		5.5	
Sodium	0	0	33.0		21.4		52.0		36.2	

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Aluminum	500000	500000	463000		453000	90.6	466000		460000	92.0
Antimony	0	600	2.0		525	87.5	4.0		534	89.0
Arsenic	0	100	0		88.6	88.6	1.0		91.2	91.2
Barium	0	500	0		464	92.8	0		474	94.8
Beryllium	0	500	0		441	88.2	0		448	89.6
Calcium	500000	500000	486000		484000	96.8	489000		494000	98.8
Chromium	0	500	2.0		444	88.8	2.0		451	90.2
Cobalt	0	500	8.0		423	84.6	8.0		431	86.2
Copper	0	500	-1.0		471	94.2	-3.0		478	95.6
Iron	200000	200000	172000		168000	84.0	172000		171000	85.5
Lead	0	50	0		40.2	80.4	-2.0		41.9	83.8
Magnesium	500000	500000	449000		440000	88.0	450000		446000	89.2
Manganese	0	500	5.0		453	90.6	5.0		461	92.2
Nickel	0	1000	14.0		841	84.1	14.0		854	85.4
Selenium	0	50	7.0		43.9	87.8	-8.0		49	98.0
Silver	0	200	-2.0		190	95.0	-3.0		192	96.0
Thallium	0	100	3.0		88.5	88.5	2.0		90.2	90.2
Vanadium	0	500	-2.0		445	89.0	-2.0		452	90.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Aluminum	500000	500000	460000		456000	91.2				
Antimony	0	600	3.0		516	86.0				
Arsenic	0	100	0		87.7	87.7				
Barium	0	500	0		433	86.6				
Beryllium	0	500	0		449	89.8				
Calcium	500000	500000	484000		486000	97.2				
Chromium	0	500	2.0		434	86.8				
Cobalt	0	500	8.0		423	84.6				
Copper	0	500	0		443	88.6				
Iron	200000	200000	170000		169000	84.5				
Lead	0	50	-1.0		41.4	82.8				
Magnesium	500000	500000	445000		442000	88.4				
Manganese	0	500	6.0		467	93.4				
Nickel	0	1000	14.0		829	82.9				
Selenium	0	50	6.0		42.9	85.8				
Silver	0	200	-2.0		185	92.5				
Thallium	0	100	4.0		87.8	87.8				
Vanadium	0	500	-3.0		440	88.0				

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

130173-MW-1-GWS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2166.2071		32.0513	B	2000.00	106.7		P
Antimony	75-125	112.7261		1.9900	U	100.00	112.7		P
Arsenic	75-125	48.2046		2.4800	U	40.00	120.5		P
Barium	75-125	2427.3512		45.0064	B	2000.00	119.1		P
Beryllium	75-125	57.6129		0.0300	U	50.00	115.2		P
Cadmium	75-125	5.6062		0.0800	U	5.00	112.1		P
Chromium	75-125	243.9626		13.5512		200.00	115.2		P
Cobalt	75-125	602.5079		0.3938	B	500.00	120.4		P
Copper	75-125	287.7316		5.5548	B	250.00	112.9		P
Iron	75-125	1253.5178		79.3921	B	1000.00	117.4		P
Lead	75-125	27.3848		3.3540		20.00	120.2		P
Manganese	75-125	604.2754		18.3226		500.00	117.2		P
Nickel	75-125	616.4896		10.1638	B	500.00	121.3		P
Selenium	75-125	13.5307		4.7500	U	10.00	135.3	N	P
Silver	75-125	55.9608		2.2486	B	50.00	107.4		P
Thallium	75-125	58.6174		2.3300	U	50.00	117.2		P
Vanadium	75-125	559.1090		0.5000	U	500.00	111.8		P
Zinc	75-125	570.7439		29.9666		500.00	108.2		P
Mercury	75-125	1.0987		0.0983	B	1.00	100.0		CV

Comments:

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

130173-MW-1-GWA

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Level (low/med): MED

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

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Selenium		11.49		4.75	U	10.0	115		P

Comments:

FORM V (PART 2) - IN ILM04.1

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DUPLICATES

EPA SAMPLE NO.

130173-MW-1-GWD

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		32.0513	B	34.0268	B	6		P
Antimony		1.9900	U	1.9900	U			P
Arsenic		2.4800	U	2.4800	U			P
Barium		45.0064	B	45.5930	B	1.3		P
Beryllium		0.0300	U	0.0300	U			P
Cadmium		0.0800	U	0.0800	U			P
Calcium	5000.0	15683.9313		15818.8709		0.9		P
Chromium	10.0	13.5512		13.8118		1.9		P
Cobalt		0.3938	B	0.2638	B	39.5		P
Copper		5.5548	B	4.6763	B	17.2		P
Iron	100.0	79.3921	B	306.0856		117.6	*	P
Lead	3.0	3.3540		2.8262	B	17.1		P
Magnesium	5000.0	5212.5975		5154.5987		1.1		P
Manganese	15.0	18.3226		18.9688		3.5		P
Nickel		10.1638	B	10.0688	B	0.9		P
Potassium	5000.0	6552.0007		6484.8648		1		P
Selenium		4.7500	U	4.7500	U			P
Silver		2.2486	B	1.5932	B	34.1		P
Sodium	5000.0	12986.4630		12898.1076		0.7		P
Thallium		2.3300	U	2.3300	U			P
Vanadium		0.5000	U	0.5000	U			P
Zinc	20.0	29.9666		26.7120		11.5		P
Mercury		0.0983	B	0.1004	B	2.1		CV

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-36914**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9583.67	105.3						
Antimony	455.0	512.95	112.7						
Arsenic	455.0	503.54	110.7						
Barium	9100.0	9850.93	108.3						
Beryllium	227.0	250.87	110.5						
Cadmium	227.0	255.25	112.4						
Calcium	22700.0	23719.51	104.5						
Chromium	910.0	997.18	109.6						
Cobalt	2270.0	2537.42	111.8						
Copper	1130.0	1184.20	104.8						
Iron	4550.0	5036.27	110.7						
Lead	455.0	508.02	111.7						
Magnesium	22700.0	24765.40	109.1						
Manganese	2270.0	2511.16	110.6						
Nickel	2270.0	2528.48	111.4						
Potassium	22700.0	24126.04	106.3						
Selenium	455.0	517.06	113.6						
Silver	1130.0	1197.43	106.0						
Sodium	22700.0	24593.21	108.3						
Thallium	455.0	512.11	112.6						
Vanadium	2270.0	2429.14	107.0						
Zinc	2270.0	2343.34	103.2						

0050

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ICP SERIAL DILUTIONS

EPA SAMPLE NO.

130173-MW-1-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Matrix (soil/water): WATER Level (low/med): MED

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

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	32.05	B	84.00		162		P
Antimony	1.99	U	9.95	U			P
Arsenic	2.48	U	12.40	U			P
Barium	45.01	B	46.33		3		P
Beryllium	0.03	U	0.15	U			P
Cadmium	0.08	U	0.40	U			P
Calcium	15683.93		14925.63		5		P
Chromium	13.55		14.01		3		P
Cobalt	0.39	B	1.05	U	100		P
Copper	5.55	B	7.44		34		P
Iron	79.39	B	79.68		0		P
Lead	3.35		6.40	U	100		P
Magnesium	5212.60		5217.10		0		P
Manganese	18.32		18.65		2		P
Nickel	10.16	B	9.74		4		P
Potassium	6552.00		6561.09		0		P
Selenium	4.75	U	23.75	U			P
Silver	2.25	B	2.25	U	100		P
Sodium	12986.46		12947.66		0		P
Thallium	2.33	U	11.65	U			P
Vanadium	0.50	U	2.50	U			P
Zinc	29.97		33.36		11	E	P

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument Type: CV InstrumentID: FIMS1 Date: 05/01/2008

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRDL	IDL
Mercury	253.70	0.2	0.060

Comments:

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument Type: P InstrumentID: OPTIMA3 Date: 05/01/2008

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRDL	IDL
Aluminum	308.21	200	7.6
Antimony	206.83	60	2.0
Arsenic	188.98	10	2.5
Barium	233.53	200	0.18
Beryllium	313.11	5.0	0.030
Calcium	227.54	5000	73.0
Chromium	267.72	10	0.16
Cobalt	228.62	50	0.21
Copper	324.75	25	0.67
Iron	273.96	100	0.68
Lead	220.35	3.0	1.3
Magnesium	279.08	5000	6.4
Manganese	257.61	15	1.1
Nickel	231.60	40	0.35
Potassium	766.49	5000	35.0
Selenium	196.03	5.0	4.8
Silver	328.07	10	0.45
Sodium	589.59	5000	19.0
Thallium	190.80	10	2.3
Vanadium	292.40	50	0.50

Comments:

U.S. EPA - CLP

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument Type: P InstrumentID: OPTIMA2 Date: 04/11/2008

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRDL	IDL
Cadmium	226.50	5.0	0.080
Zinc	206.20	20	0.54

Comments:

0554

U.S. EPA - CLP

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA2 Date: 06/02/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	-0.0214298	0.0000000	0.0348186	0.0000000	7.9898400
Arsenic	188.97	-0.0278776	-0.0133335	-0.0606874	-0.0029749	-5.6967100
Barium	233.52	0.0000000	0.0000000	-0.1450930	0.0019884	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0198201	0.0000000	0.0000000
Calcium	227.54	0.0000000		22.2490000	0.0000000	5.0519500
Chromium	267.71	0.0054018	0.0000000	0.0000000	0.0020228	
Cobalt	228.61	-0.0081496	0.0000000	-0.0345068	-0.0040532	-0.1687580
Copper	324.75	0.0027914	0.0000000	-0.0488836	0.0023943	-0.0458207
Iron	273.95	0.0000000	0.0000000		0.1540200	0.0000000
Lead	220.35	-0.0194995	-0.0128937	0.0168870	0.0000000	0.0000000
Magnesium	279.07	0.0000000	0.0000000	-1.7957500		0.0000000
Manganese	257.61	0.0029438	0.0000000	0.0249891	0.0051740	0.0000000
Nickel	231.60	0.0000000	0.0030325	0.0098596	0.0026484	0.0000000
Selenium	196.02	-0.1347890	0.0249667	-0.3833550	-0.0088553	-0.1475630
Silver	328.06	0.0021354	0.0064533	-0.0098047	0.0000000	0.0000000
Sodium	330.24	0.0000000	3.0088700	0.0000000	-0.4055570	-9.7370100
Thallium	190.80	0.0118230	0.0244129	-0.0935103	-0.0388867	0.3397910
Titanium	334.94		-0.0105069	0.0000000	0.0000000	0.3155920
Vanadium	292.40	0.0000000	0.0000000	-0.0293567	0.0000000	-1.2732300
Zinc	206.20	-0.0178591	0.0000000	-0.0092924	0.0040610	-5.0490300

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA2 Date: 06/02/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	-0.0225810	0.0000000	-1.4524200
Arsenic	188.97	-0.0493492	0.0000000	-0.0579169	-0.1478350	-0.6155840
Barium	233.52	0.0000000	0.0000000	0.0450467	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-2.0036000
Cadmium	226.50	0.0000000	0.0000000	-0.2325200	0.0000000	0.0000000
Calcium	227.54	18.6108000	2.7915700	46.1953000		12.0105000
Chromium	267.71	0.0000000	0.2516620	0.0278855	0.0000000	0.1011890
Cobalt	228.61	0.0000000	0.0000000	0.0000000	0.0000000	1.7690800
Copper	324.75		0.0000000	0.0000000	0.0000000	0.0000000
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	-0.7146610	0.0911306	-0.0916347	0.0000000	-0.3352440
Magnesium	279.07	0.0000000	-3.8920300	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000		0.0392262	0.0621087	0.1432080
Nickel	231.60	0.0860289	0.0000000		0.2815770	0.7163640
Selenium	196.02	-0.1361800	0.7213880	-0.1083560	0.0000000	-0.5040220
Silver	328.06	0.0000000	0.1024010	0.0000000	0.0000000	0.0000000
Sodium	330.24	6.3322000	0.0000000	-2.2370900	0.0000000	1861.4700000
Thallium	190.80	0.2380310	-0.4159990	0.0306118		0.2960450
Titanium	334.94	0.0000000	0.0000000	0.0000000	0.0000000	
Vanadium	292.40	0.0518127	-0.0829862	0.0000000	0.0000000	1.2406700
Zinc	206.20	0.0000000	0.1600030	0.0425833	0.0000000	0.1293610

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA2 Date: 06/02/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	___	___	___	___
Aluminum	308.21	0.0000000				
Antimony	206.83	-0.3501300				
Arsenic	188.97	-0.0521351				
Barium	233.52	-0.6696780				
Beryllium	313.10	-0.0331712				
Cadmium	226.50	0.0000000				
Calcium	227.54	60.8348000				
Chromium	267.71	-0.3649640				
Cobalt	228.61	0.0000000				
Copper	324.75	-0.1266880				
Iron	273.95	-23.0124000				
Lead	220.35	-0.0623032				
Magnesium	279.07	-1.1491000				
Manganese	257.61	0.0000000				
Nickel	231.60	0.0779601				
Selenium	196.02	-0.1230410				
Silver	328.06	-0.1144050				
Sodium	330.24	0.0000000				
Thallium	190.80	6.9019700				
Titanium	334.94	0.0000000				
Vanadium	292.40					
Zinc	206.20	0.0000000				

Comments:

U.S. EPA - CLP

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA3 Date: 06/02/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0063708	0.0000000	0.0230512	0.0050751	7.7771400
Arsenic	188.97	0.0106102	-0.0096162	-0.0231112	-0.0045369	-6.3432100
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0279599	0.0000000	0.0000000
Calcium	227.54	-0.5863510		-32.5860000	0.3847080	-11.2328000
Chromium	267.71	0.0057258	0.0000000	-0.0068454	0.0000000	
Cobalt	228.61	0.0000000	0.0000000	0.0226906	0.0000000	-0.1388900
Copper	324.75	0.0050804	0.0000000	-0.0413794	0.0025938	0.0000000
Iron	273.95	0.0000000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.0423834	-0.0044341	0.0213613	0.0000000	-0.0595263
Magnesium	279.07	0.0000000	0.0000000	-0.4815310		0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0040035	0.0000000
Nickel	231.60	0.0000000	0.0022537	0.0084339	0.0000000	0.0000000
Selenium	196.02	-0.0310395	0.0000000	-0.4495440	-0.0035049	-0.2034420
Silver	328.06	0.0029739	0.0000000	0.0000000	0.0020785	0.0000000
Sodium	330.24	0.0000000	1.5171500	0.5808810	0.0000000	7.1028200
Thallium	190.80	-0.0167473	0.0047081	-0.0431515	-0.0069306	0.3105350
Titanium	334.94	0.0000000	-0.0081369	0.0000000	0.0000000	0.3365630
Vanadium	292.40	0.0000000	0.0000000	-0.0260516	0.0000000	-1.7832900
Zinc	206.20	0.0064515	0.0041086	0.0050234	0.0050234	-3.0428300

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA3 Date: 06/02/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.1299200	0.0000000	0.0000000	0.0000000	-1.3269600
Arsenic	188.97	0.0000000	0.0000000	0.0000000	0.0586874	-0.3684250
Barium	233.52	0.0000000	0.0000000	0.0299810	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.7844500
Cadmium	226.50	0.0000000	0.0000000	-0.3404920	0.0000000	0.0000000
Calcium	227.54	4.8853300	0.0000000	38.7067000	0.0000000	0.0000000
Chromium	267.71	0.0000000	0.2343640	0.0000000	0.0000000	0.0000000
Cobalt	228.61	0.0000000	0.0000000	0.1393310	0.0000000	1.7290300
Copper	324.75		0.0580551	0.0228906	0.0874854	0.0000000
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.2413400	0.1140250	0.0000000	-0.0507199	-0.7629810
Magnesium	279.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000		0.0204858	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000		0.1478210	0.2580190
Selenium	196.02	-0.0557523	0.5611530	-0.0395387	0.0000000	-0.4476150
Silver	328.06	0.0490704	0.1176670	0.0000000	0.0000000	0.0000000
Sodium	330.24	-6.5009800	0.0000000	-1.8553600	0.0000000	-605.0340000
Thallium	190.80	0.0447912	-0.2514840	0.0000000		0.4661170
Titanium	334.94	0.0000000	0.0000000	0.0000000	0.0000000	
Vanadium	292.40	0.0895717	0.0000000	0.0000000	0.0000000	0.6420750
Zinc	206.20	0.0821448	0.1768780	0.0472829	0.0985761	0.2259190

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA3 Date: 06/02/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	___	___	___	___
Aluminum	308.21	17.7847000				
Antimony	206.83	-0.6534270				
Arsenic	188.97	0.0000000				
Barium	233.52	-0.9192850				
Beryllium	313.10	-0.0410143				
Cadmium	226.50	0.0000000				
Calcium	227.54	43.1985000				
Chromium	267.71	-0.3125250				
Cobalt	228.61	0.0000000				
Copper	324.75	-0.0341931				
Iron	273.95	0.0000000				
Lead	220.35	-0.0936414				
Magnesium	279.07	0.0000000				
Manganese	257.61	0.0000000				
Nickel	231.60	0.0000000				
Selenium	196.02	-0.1698680				
Silver	328.06	-0.4585090				
Sodium	330.24	-2.8182000				
Thallium	190.80	4.0709400				
Titanium	334.94	0.0000000				
Vanadium	292.40					
Zinc	206.20	0.0382803				

Comments:

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA2 Date: 6/2/2008

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Cadmium	0.20	25000	P
Zinc	0.20	25000	P

Comments:

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

ICP ID Number: OPTIMA3 Date: 5/1/2008

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	0.20	500000	P
Antimony	0.20	50000	P
Arsenic	0.20	50000	P
Barium	0.20	50000	P
Beryllium	0.20	10000	P
Calcium	0.20	50000	P
Chromium	0.20	50000	P
Cobalt	0.20	100000	P
Copper	0.20	50000	P
Iron	0.20	300000	P
Lead	0.20	100000	P
Magnesium	0.20	500000	P
Manganese	0.20	25000	P
Nickel	0.20	100000	P
Potassium	0.20	250000	P
Selenium	0.20	25000	P
Silver	0.20	2500	P
Sodium	0.20	250000	P
Thallium	0.20	50000	P
Vanadium	0.20	50000	P

Comments:

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PREPARATION LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Method: P Batch ID: 36914

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
130173-FB-6308	06/05/2008		50
130173-MW-1-GW	06/05/2008		50
130173-MW-1-GWD	06/05/2008		50
130173-MW-1-GWS	06/05/2008		50
130173-MW-2-GW	06/05/2008		50
130173-MW-5-GW	06/05/2008		50
130173-MW-6-GW	06/05/2008		50
130173-MW66-GW	06/05/2008		50
LCSW	06/05/2008		50
PBW	06/05/2008		50

Comments:

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PREPARATION LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Preparation Method: CV Batch ID: 36916

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
CCB	06/05/2008		100
CCV	06/05/2008		100
CRI	06/05/2008		100
ICB	06/05/2008		100
ICV	06/05/2008		100
S0	06/05/2008		100
S0.2	06/05/2008		100
S1.0	06/05/2008		100
S10.0	06/05/2008		100
S2.0	06/05/2008		100
S5.0	06/05/2008		100
130173-FB-6308	06/05/2008		100
130173-MW-1-GW	06/05/2008		100
130173-MW-1-GWD	06/05/2008		100
130173-MW-1-GWS	06/05/2008		100
130173-MW-2-GW	06/05/2008		100
130173-MW-5-GW	06/05/2008		100
130173-MW-6-GW	06/05/2008		100
130173-MW66-GW	06/05/2008		100
PBW	06/05/2008		100

Comments:

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument ID Number: FIMS1 Method: CV

Start Date: 06/06/2008 End Date: 06/06/2008

FIMS1_080606A

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1017																X									
S0.2	1.0	1018																X									
S1.0	1.0	1019																X									
S2.0	1.0	1021																X									
S5.0	1.0	1022																X									
S10.0	1.0	1024																X									
ICV	1.0	1025																X									
ICB	1.0	1027																X									
CRI	1.0	1028																X									
CCV	1.0	1029																X									
CCB	1.0	1031																X									
PBW	1.0	1032																X									
ZZZZZZ	1.0	1034																									
ZZZZZZ	1.0	1035																									
ZZZZZZ	1.0	1037																									
ZZZZZZ	1.0	1038																									
CCV	1.0	1039																X									
CCB	1.0	1041																X									
ZZZZZZ	1.0	1042																									
130173-MW-1-GW	1.0	1044																X									
130173-MW-1-GWD	1.0	1045																X									
130173-MW-1-GWS	1.0	1047																X									
130173-FB-6308	1.0	1048																X									
130173-MW-6-GW	1.0	1049																X									
130173-MW66-GW	1.0	1051																X									
130173-MW-2-GW	1.0	1052																X									
CCV	1.0	1054																X									
CCB	1.0	1055																X									
130173-MW-5-GW	1.0	1057																X									
ZZZZZZ	1.0	1058																									
ZZZZZZ	1.0	1100																									

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument ID Number: FIMS1 Method: CV

Start Date: 06/06/2008 End Date: 06/06/2008

FIMS1_080606A

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.0	1101																									
CCV	1.0	1102																X									
CCB	1.0	1104																X									

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument ID Number: OPTIMA2 Method: P

Start Date: 06/11/2008 End Date: 06/11/2008

OPTIMA2_080611A

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0954							X																	X	
S1	1.0	0958							X																	X	
ICV	1.0	1000							X																	X	
ICB	1.0	1003							X																	X	
CRI	1.0	1007							X																	X	
ICSA	1.0	1011							X																	X	
ICSAB	1.0	1013							X																	X	
CCV	1.0	1016							X																	X	
CCB	1.0	1020							X																	X	
PBW	1.0	1024							X																	X	
LCSW	1.0	1028							X																	X	
130173-MW-1-GW	1.0	1032							X																	X	
130173-MW-1-GWD	1.0	1036							X																	X	
130173-MW-1-GWS	1.0	1040							X																	X	
130173-MW-1-GWL	5.0	1044							X																	X	
ZZZZZZ	1.0	1048																									
130173-FB-6308	1.0	1052							X																	X	
130173-MW-6-GW	1.0	1056							X																	X	
CCV	1.0	1100							X																	X	
CCB	1.0	1105							X																	X	
130173-MW66-GW	1.0	1109							X																	X	
130173-MW-2-GW	1.0	1113							X																	X	
130173-MW-5-GW	1.0	1117							X																	X	
ZZZZZZ	1.0	1121																									
ZZZZZZ	1.0	1125																									
ZZZZZZ	1.0	1129																									
ZZZZZZ	1.0	1133																									
CRI	1.0	1137							X																	X	
ICSA	1.0	1141							X																	X	
ICSAB	1.0	1144							X																	X	

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument ID Number: OPTIMA2 Method: P

Start Date: 06/11/2008 End Date: 06/11/2008

OPTIMA2_080611A

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.0	1147							X																	X	
CCB	1.0	1151							X																	X	

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument ID Number: OPTIMA3 Method: P

Start Date: 06/05/2008 End Date: 06/05/2008

OPTIMA3_080605B

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1553																		X			X				
S1	1.0	1555																		X			X				
ICV	1.0	1557																		X			X				
ICB	1.0	1600																		X			X				
ICSA	1.0	1602																		X			X				
ICSAB	1.0	1604																		X			X				
CCV	1.0	1607																		X			X				
CCB	1.0	1609																		X			X				
PBW	1.0	1611																		X			X				
LCSW	1.0	1614																		X			X				
ZZZZZZ	1.0	1616																										
ZZZZZZ	1.0	1618																										
ZZZZZZ	1.0	1621																										
ZZZZZZ	5.0	1623																										
130173-MW-1-GW	1.0	1625																		X			X				
130173-MW-1-GWD	1.0	1628																		X			X				
130173-MW-1-GWL	5.0	1630																		X			X				
130173-FB-6308	1.0	1632																		X			X				
CCV	1.0	1635																		X			X				
CCB	1.0	1637																		X			X				
130173-MW-6-GW	1.0	1639																		X			X				
130173-MW66-GW	1.0	1642																		X			X				
130173-MW-2-GW	1.0	1644																		X			X				
130173-MW-5-GW	1.0	1646																		X			X				
ZZZZZZ	1.0	1649																										
ZZZZZZ	1.0	1651																										
ZZZZZZ	1.0	1653																										
ZZZZZZ	1.0	1656																										
ICSA	1.0	1658																		X			X				
ICSAB	1.0	1700																		X			X				
CCV	1.0	1703																		X			X				

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument ID Number: OPTIMA3 Method: P

Start Date: 06/05/2008 End Date: 06/05/2008

OPTIMA3_080605B

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.0	1705																		X			X				

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument ID Number: OPTIMA3 Method: P

Start Date: 06/06/2008 End Date: 06/06/2008

OPTIMA3_080606A

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0942		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
S1	1.0	0945		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
ICV	1.0	0948		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
ICB	1.0	0951		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CRI	1.0	0955			X	X		X			X	X	X		X		X		X		X	X		X	X		
ICSA	1.0	0958		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
ICSAB	1.0	1001		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CCV	1.0	1004		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CCB	1.0	1007		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
PBW	1.0	1010		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
LCSW	1.0	1014		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
ZZZZZZ	1.0	1017																									
ZZZZZZ	1.0	1020																									
ZZZZZZ	1.0	1023																									
ZZZZZZ	5.0	1026																									
CCV	1.0	1029		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CCB	1.0	1032		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
130173-MW-1-GW	1.0	1035		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
130173-MW-1-GWD	1.0	1038		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
130173-MW-1-GWS	1.0	1042		X	X	X	X	X			X	X	X	X	X		X		X		X	X		X	X		
130173-MW-1-GWL	5.0	1045		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CRI	1.0	1048			X	X		X			X	X	X		X		X		X		X	X		X	X		
ICSA	1.0	1051		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
ICSAB	1.0	1054		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CCV	1.0	1057		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CCB	1.0	1100		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
130173-MW-1-GWA	1.0	1104																			X						
130173-FB-6308	1.0	1107		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
130173-MW-6-GW	1.0	1110		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		

ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0846

Instrument ID Number: OPTIMA3 Method: P

Start Date: 06/06/2008 End Date: 06/06/2008

OPTIMA3_080606A

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
130173-MW66-GW	1.0	1113		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
130173-MW-2-GW	1.0	1116		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
130173-MW-5-GW	1.0	1119		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CCV	1.0	1122		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CCB	1.0	1126		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
ZZZZZZ	1.0	1129																									
ZZZZZZ	1.0	1132																									
ZZZZZZ	1.0	1135																									
ZZZZZZ	1.0	1138																									
CRI	1.0	1141			X	X		X			X	X	X		X		X		X		X	X		X	X		
ICSA	1.0	1145		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
ICSAB	1.0	1148		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CCV	1.0	1151		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		
CCB	1.0	1154		X	X	X	X	X		X	X	X	X	X	X	X	X		X		X	X		X	X		

Instrument Raw Data

- [x] ICP
- [x] Mercury
- [ ] Cyanide

Analysis Begun

Start Time: 6/11/2008 9:54:18 AM
Logged In Analyst: optima2
Spectrometer Model: Optima 3100 XL, S/N 069N-na
Plasma On Time: 6/11/2008 9:15:59 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: M:\Metals\0611A.sif
Batch ID:
Results Data Set: A08061101
Results Library: C:\pe\optima2\Results\Results.mdb

Sequence No.: 1
Sample ID: S0
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 6/11/2008 9:54:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	15291.0	64.32	0.42%	[0.00]	mg/L
Cr 267.716	-1879.1	15.99	0.85%	[0.00]	mg/L
Cu 324.752	14198.2	6.84	0.05%	[0.00]	mg/L
Fe 273.955	8295.2	1.75	0.02%	[0.00]	mg/L
Mg 279.077	-13898.5	11.73	0.08%	[0.00]	mg/L
Mn 257.610	2455.4	5.94	0.24%	[0.00]	mg/L
Ni 231.604	-436.8	2.05	0.47%	[0.00]	mg/L
Tl 190.801	18.1	0.52	2.87%	[0.00]	mg/L
V 292.402	2364.8	19.55	0.83%	[0.00]	mg/L
Zn 206.200	148.6	9.45	6.36%	[0.00]	mg/L
Cd 226.502	-106.4	1.81	1.70%	[0.00]	mg/L
Ti 334.940	-815.3	5.33	0.65%	[0.00]	mg/L
Ca 227.546	-488.7	4.50	0.92%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 6/11/2008 9:58:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	706649.6	7812.04	1.11%	[20]	mg/L
Cr 267.716	319187.8	1844.07	0.58%	[2]	mg/L
Cu 324.752	791134.3	5538.02	0.70%	[2.5]	mg/L
Fe 273.955	461758.6	4122.35	0.89%	[10]	mg/L
Mg 279.077	1314272.9	11445.96	0.87%	[50]	mg/L
Mn 257.610	3259460.6	24941.79	0.77%	[5]	mg/L
Ni 231.604	554738.3	5387.78	0.97%	[5]	mg/L
Tl 190.801	1633.4	11.15	0.68%	[1]	mg/L
V 292.402	1367354.4	15405.67	1.13%	[5]	mg/L
Zn 206.200	381186.7	1213.36	0.32%	[5]	mg/L
Cd 226.502	115031.0	1500.76	1.30%	[0.5]	mg/L
Ti 334.940	1015435.3	11436.54	1.13%	[1]	mg/L
Ca 227.546	28464.3	414.02	1.45%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al 308.215	1	Lin Thru 0	0.0	35330	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	159600	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	316500	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	46180	0.00000	1.000000	

Mg 279.077	1	Lin Thru 0	0.0	26290	0.00000	1.000000
Mn 257.610	1	Lin Thru 0	0.0	651900	0.00000	1.000000
Ni 231.604	1	Lin Thru 0	0.0	110900	0.00000	1.000000
Tl 190.801	1	Lin Thru 0	0.0	1633	0.00000	1.000000
V 292.402	1	Lin Thru 0	0.0	273500	0.00000	1.000000
Zn 206.200	1	Lin Thru 0	0.0	76240	0.00000	1.000000
Cd 226.502	1	Lin Thru 0	0.0	230100	0.00000	1.000000
Ti 334.940	1	Lin Thru 0	0.0	1015000	0.00000	1.000000
Ca 227.546	1	Lin Thru 0	0.0	569.3	0.00000	1.000000

Sequence No.: 3 **Autosampler Location: 10**
Sample ID: ICV **Date Collected: 6/11/2008 10:00:45 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	519446.8	14.628	mg/L	0.0700	14.628	mg/L	0.0700	0.48%
Cr 267.716	236634.7	1.4807	mg/L	0.00140	1.4807	mg/L	0.00140	0.09%
Cu 324.752	586728.5	1.8491	mg/L	0.00743	1.8491	mg/L	0.00743	0.40%
Fe 273.955	344507.6	7.3568	mg/L	0.02504	7.3568	mg/L	0.02504	0.34%
Mg 279.077	984419.8	37.531	mg/L	0.1065	37.531	mg/L	0.1065	0.28%
Mn 257.610	2433697.2	3.7324	mg/L	0.01169	3.7324	mg/L	0.01169	0.31%
Ni 231.604	414351.0	3.7336	mg/L	0.01250	3.7336	mg/L	0.01250	0.33%
Tl 190.801	1249.1	0.7721	mg/L	0.01581	0.7721	mg/L	0.01581	2.05%
V 292.402	1017015.2	3.7214	mg/L	0.01681	3.7214	mg/L	0.01681	0.45%
Zn 206.200	282979.0	3.7158	mg/L	0.00007	3.7158	mg/L	0.00007	0.00%
Cd 226.502	86632.0	0.3770	mg/L	0.00162	0.3770	mg/L	0.00162	0.43%
Ti 334.940	147.3	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	>999.9%
Ca 227.546	21678.5	37.595	mg/L	0.3628	37.595	mg/L	0.3628	0.97%

Sequence No.: 4 **Autosampler Location: 4**
Sample ID: ICB **Date Collected: 6/11/2008 10:03:10 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	-436.4	-0.0124	mg/L	0.00674	-0.0124	mg/L	0.00674	54.46%
Cr 267.716	-2.1	0.0000	mg/L	0.00035	0.0000	mg/L	0.00035	>999.9%
Cu 324.752	1204.4	0.0038	mg/L	0.00046	0.0038	mg/L	0.00046	12.01%
Fe 273.955	184.5	0.0040	mg/L	0.00029	0.0040	mg/L	0.00029	7.26%
Mg 279.077	-525.6	-0.0200	mg/L	0.00085	-0.0200	mg/L	0.00085	4.27%
Mn 257.610	310.1	0.0005	mg/L	0.00010	0.0005	mg/L	0.00010	21.08%
Ni 231.604	78.1	0.0007	mg/L	0.00022	0.0007	mg/L	0.00022	30.73%
Tl 190.801	1.9	0.0012	mg/L	0.00023	0.0012	mg/L	0.00023	19.07%
V 292.402	33.2	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	97.56%
Zn 206.200	576.7	0.0076	mg/L	0.00145	0.0076	mg/L	0.00145	19.15%
Cd 226.502	2.1	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	205.19%
Ti 334.940	-6.2	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	431.09%
Ca 227.546	10.2	0.0177	mg/L	0.00281	0.0177	mg/L	0.00281	15.88%

Sequence No.: 5 **Autosampler Location: 7**
Sample ID: CRI **Date Collected: 6/11/2008 10:07:11 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Al 308.215	-449.2	-0.0143	mg/L	0.00030	-0.0143	mg/L	0.00030 2.12%
Cr 267.716	3076.5	0.0193	mg/L	0.00020	0.0193	mg/L	0.00020 1.04%
Cu 324.752	15536.1	0.0490	mg/L	0.00074	0.0490	mg/L	0.00074 1.51%
Fe 273.955	229.4	0.0023	mg/L	0.00004	0.0023	mg/L	0.00004 1.77%
Mg 279.077	-438.0	-0.0158	mg/L	0.00045	-0.0158	mg/L	0.00045 2.85%
Mn 257.610	20288.8	0.0311	mg/L	0.00049	0.0311	mg/L	0.00049 1.57%
Ni 231.604	9246.0	0.0833	mg/L	0.00004	0.0833	mg/L	0.00004 0.05%
Tl 190.801	39.0	0.0239	mg/L	0.00016	0.0239	mg/L	0.00016 0.66%
V 292.402	26762.9	0.0979	mg/L	0.00162	0.0979	mg/L	0.00162 1.66%
Zn 206.200	3300.1	0.0433	mg/L	0.00016	0.0433	mg/L	0.00016 0.38%
Cd 226.502	2365.6	0.0103	mg/L	0.00005	0.0103	mg/L	0.00005 0.48%
Ti 334.940	31.4	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009 390.30%
Ca 227.546	-3.2	-0.0143	mg/L	0.06787	-0.0143	mg/L	0.06787 473.48%

Sequence No.: 6
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/11/2008 10:11:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	17456402.9	493.94	mg/L	0.504	493.94	mg/L	0.504	0.10%
Cr 267.716	-366.9	-0.0004	mg/L	0.00021	-0.0004	mg/L	0.00021	53.85%
Cu 324.752	-1691.4	0.0020	mg/L	0.00011	0.0020	mg/L	0.00011	5.40%
Fe 273.955	8264146.3	178.92	mg/L	0.102	178.92	mg/L	0.102	0.06%
Mg 279.077	12871928.5	490.24	mg/L	0.237	490.24	mg/L	0.237	0.05%
Mn 257.610	13166.4	0.0075	mg/L	0.00025	0.0075	mg/L	0.00025	3.31%
Ni 231.604	515.1	0.0046	mg/L	0.00047	0.0046	mg/L	0.00047	10.16%
Tl 190.801	70.2	0.0323	mg/L	0.00900	0.0323	mg/L	0.00900	27.86%
V 292.402	-2167.6	-0.0017	mg/L	0.00022	-0.0017	mg/L	0.00022	13.48%
Zn 206.200	468.3	0.0129	mg/L	0.00007	0.0129	mg/L	0.00007	0.53%
Cd 226.502	1259.1	0.0019	mg/L	0.00023	0.0019	mg/L	0.00023	12.16%
Ti 334.940	2899.0	0.0088	mg/L	0.00008	0.0088	mg/L	0.00008	0.85%
Ca 227.546	285122.2	497.53	mg/L	6.578	497.53	mg/L	6.578	1.32%

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/11/2008 10:13:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	16944173.5	479.43	mg/L	1.687	479.43	mg/L	1.687	0.35%
Cr 267.716	70406.7	0.4426	mg/L	0.00316	0.4426	mg/L	0.00316	0.71%
Cu 324.752	146112.5	0.4681	mg/L	0.00655	0.4681	mg/L	0.00655	1.40%
Fe 273.955	7997873.4	173.14	mg/L	2.010	173.14	mg/L	2.010	1.16%
Mg 279.077	12489769.9	475.69	mg/L	1.360	475.69	mg/L	1.360	0.29%
Mn 257.610	315091.1	0.4710	mg/L	0.00597	0.4710	mg/L	0.00597	1.27%
Ni 231.604	96528.7	0.8699	mg/L	0.00852	0.8699	mg/L	0.00852	0.98%
Tl 190.801	193.1	0.1087	mg/L	0.04870	0.1087	mg/L	0.04870	44.79%
V 292.402	126218.2	0.4682	mg/L	0.00568	0.4682	mg/L	0.00568	1.21%
Zn 206.200	63122.0	0.8356	mg/L	0.00888	0.8356	mg/L	0.00888	1.06%
Cd 226.502	206516.3	0.8943	mg/L	0.01377	0.8943	mg/L	0.01377	1.54%
Ti 334.940	2952.0	0.0086	mg/L	0.00012	0.0086	mg/L	0.00012	1.43%
Ca 227.546	278740.3	486.36	mg/L	7.361	486.36	mg/L	7.361	1.51%

Sequence No.: 8
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/11/2008 10:16:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	349553.9	9.8436	mg/L	0.16927	9.8436	mg/L	0.16927	1.72%
Cr 267.716	155484.5	0.9729	mg/L	0.01521	0.9729	mg/L	0.01521	1.56%
Cu 324.752	388231.9	1.2235	mg/L	0.01589	1.2235	mg/L	0.01589	1.30%
Fe 273.955	236164.9	5.0431	mg/L	0.07296	5.0431	mg/L	0.07296	1.45%
Mg 279.077	663356.9	25.291	mg/L	0.3502	25.291	mg/L	0.3502	1.38%
Mn 257.610	1636775.9	2.5102	mg/L	0.03059	2.5102	mg/L	0.03059	1.22%
Ni 231.604	281045.8	2.5324	mg/L	0.03208	2.5324	mg/L	0.03208	1.27%
Tl 190.801	794.7	0.4915	mg/L	0.00036	0.4915	mg/L	0.00036	0.07%
V 292.402	698423.2	2.5555	mg/L	0.03251	2.5555	mg/L	0.03251	1.27%
Zn 206.200	187762.8	2.4655	mg/L	0.02247	2.4655	mg/L	0.02247	0.91%
Cd 226.502	60481.3	0.2632	mg/L	0.00345	0.2632	mg/L	0.00345	1.31%
Ti 334.940	102.8	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	>999.9%
Ca 227.546	14224.7	24.656	mg/L	0.0389	24.656	mg/L	0.0389	0.16%

Sequence No.: 9
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 6/11/2008 10:20:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	-655.1	-0.0186	mg/L	0.00395	-0.0186	mg/L	0.00395	21.27%
Cr 267.716	53.4	0.0003	mg/L	0.00022	0.0003	mg/L	0.00022	67.04%
Cu 324.752	1356.2	0.0043	mg/L	0.00057	0.0043	mg/L	0.00057	13.37%
Fe 273.955	978.9	0.0212	mg/L	0.00062	0.0212	mg/L	0.00062	2.95%
Mg 279.077	-554.7	-0.0210	mg/L	0.00125	-0.0210	mg/L	0.00125	5.95%
Mn 257.610	391.2	0.0006	mg/L	0.00007	0.0006	mg/L	0.00007	11.58%
Ni 231.604	127.2	0.0011	mg/L	0.00009	0.0011	mg/L	0.00009	7.79%
Tl 190.801	5.2	0.0032	mg/L	0.00098	0.0032	mg/L	0.00098	30.77%
V 292.402	74.1	0.0003	mg/L	0.00033	0.0003	mg/L	0.00033	122.78%
Zn 206.200	481.2	0.0063	mg/L	0.00106	0.0063	mg/L	0.00106	16.82%
Cd 226.502	9.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	35.51%
Ti 334.940	47.5	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	19.74%
Ca 227.546	-18.5	-0.0331	mg/L	0.02675	-0.0331	mg/L	0.02675	80.89%

Sequence No.: 10
Sample ID: MB-36914,36914
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 40
Date Collected: 6/11/2008 10:24:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	-576.9	-0.0164	mg/L	0.00191	-0.0164	mg/L	0.00191	11.66%
Cr 267.716	25.1	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	10.56%
Cu 324.752	2336.4	0.0074	mg/L	0.00132	0.0074	mg/L	0.00132	17.86%
Fe 273.955	3621.9	0.0784	mg/L	0.00566	0.0784	mg/L	0.00566	7.22%
Mg 279.077	-508.8	-0.0191	mg/L	0.00124	-0.0191	mg/L	0.00124	6.50%
Mn 257.610	1686.0	0.0026	mg/L	0.00001	0.0026	mg/L	0.00001	0.23%
Ni 231.604	260.0	0.0023	mg/L	0.00018	0.0023	mg/L	0.00018	7.53%
Tl 190.801	5.1	0.0031	mg/L	0.00007	0.0031	mg/L	0.00007	2.41%
V 292.402	66.1	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	1.27%
Zn 206.200	1068.2	0.0140	mg/L	0.00155	0.0140	mg/L	0.00155	11.07%
Cd 226.502	1.4	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	415.77%
Ti 334.940	185.4	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	12.50%
Ca 227.546	-17.3	-0.0321	mg/L	0.02990	-0.0321	mg/L	0.02990	93.04%

Sequence No.: 11
Sample ID: LCS-36914,36914
Autosampler Location: 41
Date Collected: 6/11/2008 10:28:35 AM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	331144.1	9.3255	mg/L	0.12096	9.3255	mg/L	0.12096	1.30%
Cr 267.716	144319.9	0.9031	mg/L	0.01150	0.9031	mg/L	0.01150	1.27%
Cu 324.752	362976.7	1.1438	mg/L	0.00913	1.1438	mg/L	0.00913	0.80%
Fe 273.955	220649.3	4.7113	mg/L	0.05732	4.7113	mg/L	0.05732	1.22%
Mg 279.077	617736.4	23.552	mg/L	0.2814	23.552	mg/L	0.2814	1.19%
Mn 257.610	1554045.8	2.3833	mg/L	0.02655	2.3833	mg/L	0.02655	1.11%
Ni 231.604	261963.4	2.3605	mg/L	0.02555	2.3605	mg/L	0.02555	1.08%
Tl 190.801	780.5	0.4826	mg/L	0.00238	0.4826	mg/L	0.00238	0.49%
V 292.402	658000.7	2.4076	mg/L	0.02903	2.4076	mg/L	0.02903	1.21%
Zn 206.200	178461.4	2.3433	mg/L	0.02102	2.3433	mg/L	0.02102	0.90%
Cd 226.502	58665.5	0.2552	mg/L	0.00266	0.2552	mg/L	0.00266	1.04%
Ti 334.940	72.0	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	161.90%
Ca 227.546	13586.4	23.555	mg/L	0.1146	23.555	mg/L	0.1146	0.49%

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Sequence No.: 12
Sample ID: G0846-02C,36914
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 6/11/2008 10:32:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	-331.9	-0.0133	mg/L	0.00192	-0.0133	mg/L	0.00192	14.47%
Cr 267.716	2028.1	0.0127	mg/L	0.00002	0.0127	mg/L	0.00002	0.16%
Cu 324.752	3247.6	0.0102	mg/L	0.00145	0.0102	mg/L	0.00145	14.18%
Fe 273.955	3777.4	0.0813	mg/L	0.00129	0.0813	mg/L	0.00129	1.59%
Mg 279.077	124993.0	4.7578	mg/L	0.06976	4.7578	mg/L	0.06976	1.47%
Mn 257.610	10918.4	0.0167	mg/L	0.00012	0.0167	mg/L	0.00012	0.73%
Ni 231.604	1176.9	0.0106	mg/L	0.00009	0.0106	mg/L	0.00009	0.89%
Tl 190.801	9.9	0.0057	mg/L	0.00044	0.0057	mg/L	0.00044	7.58%
V 292.402	52.9	0.0002	mg/L	0.00032	0.0002	mg/L	0.00032	150.64%
Zn 206.200	2270.3	0.0300	mg/L	0.00142	0.0300	mg/L	0.00142	4.74%
Cd 226.502	-4.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	102.75%
Ti 334.940	42.9	0.0002	mg/L	0.00026	0.0002	mg/L	0.00026	115.51%
Ca 227.546	8905.8	15.642	mg/L	0.0088	15.642	mg/L	0.0088	0.06%

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Sequence No.: 13
Sample ID: G0846-02CDUP,36914
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 6/11/2008 10:36:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CDUP,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	-207.3	-0.0097	mg/L	0.00245	-0.0097	mg/L	0.00245	25.19%
Cr 267.716	1994.3	0.0125	mg/L	0.00023	0.0125	mg/L	0.00023	1.81%
Cu 324.752	2425.1	0.0077	mg/L	0.00063	0.0077	mg/L	0.00063	8.28%
Fe 273.955	13191.8	0.2852	mg/L	0.00091	0.2852	mg/L	0.00091	0.32%
Mg 279.077	126640.7	4.8209	mg/L	0.00697	4.8209	mg/L	0.00697	0.14%
Mn 257.610	11204.5	0.0171	mg/L	0.00005	0.0171	mg/L	0.00005	0.28%
Ni 231.604	1139.1	0.0103	mg/L	0.00009	0.0103	mg/L	0.00009	0.91%
Tl 190.801	4.4	0.0023	mg/L	0.00150	0.0023	mg/L	0.00150	64.05%
V 292.402	87.1	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	5.30%
Zn 206.200	2022.1	0.0267	mg/L	0.00032	0.0267	mg/L	0.00032	1.19%
Cd 226.502	1.5	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	698.51%
Ti 334.940	65.4	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	12.89%
Ca 227.546	8854.9	15.548	mg/L	0.0558	15.548	mg/L	0.0558	0.36%

Sequence No.: 14
Sample ID: G0846-02CMS,36914
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 6/11/2008 10:40:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CMS,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	73202.0	2.0589	mg/L	0.01178	2.0589	mg/L	0.01178	0.57%
Cr 267.716	34845.4	0.2180	mg/L	0.00052	0.2180	mg/L	0.00052	0.24%
Cu 324.752	84236.0	0.2654	mg/L	0.00126	0.2654	mg/L	0.00126	0.47%
Fe 273.955	53654.3	1.1469	mg/L	0.00450	1.1469	mg/L	0.00450	0.39%
Mg 279.077	126743.2	4.8350	mg/L	0.02333	4.8350	mg/L	0.02333	0.48%
Mn 257.610	366422.9	0.5620	mg/L	0.00253	0.5620	mg/L	0.00253	0.45%
Ni 231.604	61787.5	0.5568	mg/L	0.00242	0.5568	mg/L	0.00242	0.44%
Tl 190.801	88.7	0.0552	mg/L	0.00244	0.0552	mg/L	0.00244	4.42%
V 292.402	148091.3	0.5419	mg/L	0.00310	0.5419	mg/L	0.00310	0.57%
Zn 206.200	43459.1	0.5707	mg/L	0.00365	0.5707	mg/L	0.00365	0.64%
Cd 226.502	1276.3	0.0056	mg/L	0.00001	0.0056	mg/L	0.00001	0.25%
Ti 334.940	166.7	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	8.76%
Ca 227.546	9064.2	15.849	mg/L	0.0330	15.849	mg/L	0.0330	0.21%

Sequence No.: 15
Sample ID: G0846-02CSD,36914
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/11/2008 10:44:32 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CSD,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	-688.0	-0.0202	mg/L	0.00560	-0.0202	mg/L	0.00560	27.68%
Cr 267.716	416.3	0.0026	mg/L	0.00003	0.0026	mg/L	0.00003	1.25%
Cu 324.752	451.9	0.0014	mg/L	0.00000	0.0014	mg/L	0.00000	0.03%
Fe 273.955	947.9	0.0204	mg/L	0.00155	0.0204	mg/L	0.00155	7.60%
Mg 279.077	25103.9	0.9556	mg/L	0.00251	0.9556	mg/L	0.00251	0.26%
Mn 257.610	2239.5	0.0034	mg/L	0.00000	0.0034	mg/L	0.00000	0.07%
Ni 231.604	293.0	0.0026	mg/L	0.00007	0.0026	mg/L	0.00007	2.52%
Tl 190.801	2.8	0.0016	mg/L	0.00010	0.0016	mg/L	0.00010	5.96%
V 292.402	152.3	0.0006	mg/L	0.00017	0.0006	mg/L	0.00017	30.85%
Zn 206.200	505.9	0.0067	mg/L	0.00003	0.0067	mg/L	0.00003	0.48%
Cd 226.502	-0.3	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	>999.9%
Ti 334.940	-5.5	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	213.24%
Ca 227.546	1730.9	3.0399	mg/L	0.04045	3.0399	mg/L	0.04045	1.33%

Sequence No.: 16
Sample ID: G0846-02CPDS,36914
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 6/11/2008 10:48:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CPDS,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	-195.8	-0.0109	mg/L	0.00097	-0.0109	mg/L	0.00097	8.94%
Cr 267.716	5086.7	0.0319	mg/L	0.00004	0.0319	mg/L	0.00004	0.14%
Cu 324.752	17135.4	0.0541	mg/L	0.00032	0.0541	mg/L	0.00032	0.59%
Fe 273.955	3719.7	0.0773	mg/L	0.00043	0.0773	mg/L	0.00043	0.55%
Mg 279.077	125361.2	4.7726	mg/L	0.00668	4.7726	mg/L	0.00668	0.14%
Mn 257.610	31082.9	0.0476	mg/L	0.00036	0.0476	mg/L	0.00036	0.76%
Ni 231.604	10112.8	0.0911	mg/L	0.00028	0.0911	mg/L	0.00028	0.31%
Tl 190.801	39.4	0.0238	mg/L	0.00143	0.0238	mg/L	0.00143	6.00%
V 292.402	28173.8	0.1031	mg/L	0.00027	0.1031	mg/L	0.00027	0.26%

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Zn 206.200	5535.7	0.0728 mg/L	0.00011	0.0728 mg/L	0.00011	0.15%
Cd 226.502	2413.6	0.0105 mg/L	0.00000	0.0105 mg/L	0.00000	0.03%
Ti 334.940	-41.9	0.0001 mg/L	0.00002	0.0001 mg/L	0.00002	17.51%
Ca 227.546	8810.3	15.465 mg/L	0.0024	15.465 mg/L	0.0024	0.02%

User canceled analysis.

Analysis Begun

Start Time: 6/11/2008 10:52:48 AM
Logged In Analyst: optima2
Spectrometer Model: Optima 3100 XL, S/N 069N-na
Plasma On Time: 6/11/2008 9:15:59 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\pe\optima2\Sample Information\0611A.sif
Batch ID:
Results Data Set: A08061101
Results Library: C:\pe\optima2\Results\Results.mdb

Sequence No.: 1
Sample ID: G0846-03C,36914
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 47
Date Collected: 6/11/2008 10:52:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-03C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	-784.9	-0.0222	mg/L	0.00214	-0.0222	mg/L	0.00214	9.61%
Cr 267.716	46.4	0.0003	mg/L	0.00009	0.0003	mg/L	0.00009	29.34%
Cu 324.752	437.0	0.0014	mg/L	0.00005	0.0014	mg/L	0.00005	3.50%
Fe 273.955	3575.8	0.0774	mg/L	0.00059	0.0774	mg/L	0.00059	0.77%
Mg 279.077	380.2	0.0147	mg/L	0.00011	0.0147	mg/L	0.00011	0.76%
Mn 257.610	523.3	0.0008	mg/L	0.00000	0.0008	mg/L	0.00000	0.62%
Ni 231.604	119.5	0.0011	mg/L	0.00006	0.0011	mg/L	0.00006	5.16%
Tl 190.801	2.1	0.0013	mg/L	0.00096	0.0013	mg/L	0.00096	73.71%
V 292.402	189.9	0.0007	mg/L	0.00011	0.0007	mg/L	0.00011	15.24%
Zn 206.200	1005.2	0.0132	mg/L	0.00021	0.0132	mg/L	0.00021	1.62%
Cd 226.502	-10.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	9.41%
Ti 334.940	601.9	0.0006	mg/L	0.00001	0.0006	mg/L	0.00001	1.81%
Ca 227.546	9.4	0.0149	mg/L	0.05240	0.0149	mg/L	0.05240	351.14%

Sequence No.: 2
Sample ID: G0846-04C,36914
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 48
Date Collected: 6/11/2008 10:56:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-04C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1254.9	0.0321	mg/L	0.00339	0.0321	mg/L	0.00339	10.54%
Cr 267.716	2406.7	0.0151	mg/L	0.00001	0.0151	mg/L	0.00001	0.05%
Cu 324.752	718.2	0.0023	mg/L	0.00041	0.0023	mg/L	0.00041	18.28%
Fe 273.955	7561.1	0.1633	mg/L	0.00065	0.1633	mg/L	0.00065	0.40%
Mg 279.077	98567.2	3.7523	mg/L	0.04300	3.7523	mg/L	0.04300	1.15%
Mn 257.610	10822.4	0.0166	mg/L	0.00008	0.0166	mg/L	0.00008	0.48%
Ni 231.604	1527.1	0.0138	mg/L	0.00005	0.0138	mg/L	0.00005	0.39%
Tl 190.801	4.9	0.0027	mg/L	0.00045	0.0027	mg/L	0.00045	16.35%
V 292.402	187.4	0.0007	mg/L	0.00011	0.0007	mg/L	0.00011	15.10%
Zn 206.200	1613.4	0.0213	mg/L	0.00022	0.0213	mg/L	0.00022	1.04%
Cd 226.502	-24.9	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	25.45%
Ti 334.940	1732.4	0.0019	mg/L	0.00013	0.0019	mg/L	0.00013	6.77%
Ca 227.546	7600.8	13.348	mg/L	0.0043	13.348	mg/L	0.0043	0.03%

Sequence No.: 3
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 6/11/2008 11:00:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	346320.4	9.7526	mg/L	0.01214	9.7526	mg/L	0.01214	0.12%
Cr 267.716	153893.3	0.9630	mg/L	0.00207	0.9630	mg/L	0.00207	0.21%
Cu 324.752	383742.6	1.2093	mg/L	0.00554	1.2093	mg/L	0.00554	0.46%
Fe 273.955	233900.9	4.9950	mg/L	0.00170	4.9950	mg/L	0.00170	0.03%
Mg 279.077	658286.0	25.097	mg/L	0.0217	25.097	mg/L	0.0217	0.09%
Mn 257.610	1637667.9	2.5116	mg/L	0.00242	2.5116	mg/L	0.00242	0.10%
Ni 231.604	278370.4	2.5083	mg/L	0.00258	2.5083	mg/L	0.00258	0.10%
Tl 190.801	790.8	0.4891	mg/L	0.00247	0.4891	mg/L	0.00247	0.50%
V 292.402	688968.1	2.5209	mg/L	0.00063	2.5209	mg/L	0.00063	0.02%
Zn 206.200	186013.8	2.4426	mg/L	0.01194	2.4426	mg/L	0.01194	0.49%
Cd 226.502	59352.4	0.2583	mg/L	0.00076	0.2583	mg/L	0.00076	0.30%
Ti 334.940	94.4	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	>999.9%
Ca 227.546	14194.3	24.606	mg/L	0.0171	24.606	mg/L	0.0171	0.07%

Sequence No.: 4
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/11/2008 11:05:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	-1144.3	-0.0324	mg/L	0.00221	-0.0324	mg/L	0.00221	6.83%
Cr 267.716	-48.7	-0.0003	mg/L	0.00007	-0.0003	mg/L	0.00007	23.49%
Cu 324.752	627.9	0.0020	mg/L	0.00043	0.0020	mg/L	0.00043	21.92%
Fe 273.955	164.3	0.0035	mg/L	0.00003	0.0035	mg/L	0.00003	0.95%
Mg 279.077	-275.7	-0.0105	mg/L	0.00109	-0.0105	mg/L	0.00109	10.42%
Mn 257.610	156.3	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	22.26%
Ni 231.604	65.2	0.0006	mg/L	0.00010	0.0006	mg/L	0.00010	16.73%
Tl 190.801	3.7	0.0023	mg/L	0.00150	0.0023	mg/L	0.00150	65.55%
V 292.402	188.8	0.0007	mg/L	0.00016	0.0007	mg/L	0.00016	22.83%
Zn 206.200	377.2	0.0049	mg/L	0.00089	0.0049	mg/L	0.00089	18.07%
Cd 226.502	-15.9	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	17.52%
Ti 334.940	29.7	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	189.37%
Ca 227.546	-35.3	-0.0621	mg/L	0.00586	-0.0621	mg/L	0.00586	9.43%

Sequence No.: 5
Sample ID: G0846-05C,36914
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/11/2008 11:09:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-05C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	1617.6	0.0424	mg/L	0.00215	0.0424	mg/L	0.00215	5.08%
Cr 267.716	2633.9	0.0165	mg/L	0.00046	0.0165	mg/L	0.00046	2.79%
Cu 324.752	1612.6	0.0051	mg/L	0.00060	0.0051	mg/L	0.00060	11.85%
Fe 273.955	7886.1	0.1704	mg/L	0.00017	0.1704	mg/L	0.00017	0.10%
Mg 279.077	99564.9	3.7903	mg/L	0.01221	3.7903	mg/L	0.01221	0.32%
Mn 257.610	11570.3	0.0177	mg/L	0.00006	0.0177	mg/L	0.00006	0.32%
Ni 231.604	1622.9	0.0146	mg/L	0.00001	0.0146	mg/L	0.00001	0.06%
Tl 190.801	7.8	0.0045	mg/L	0.00120	0.0045	mg/L	0.00120	26.68%
V 292.402	181.0	0.0007	mg/L	0.00021	0.0007	mg/L	0.00021	29.80%
Zn 206.200	1897.8	0.0251	mg/L	0.00120	0.0251	mg/L	0.00120	4.80%
Cd 226.502	233.1	0.0010	mg/L	0.00002	0.0010	mg/L	0.00002	1.74%
Ti 334.940	1661.6	0.0018	mg/L	0.00001	0.0018	mg/L	0.00001	0.60%
Ca 227.546	7644.2	13.424	mg/L	0.0142	13.424	mg/L	0.0142	0.11%

Sequence No.: 6
Sample ID: G0846-06C,36914
Analyst:

Autosampler Location: 50
Date Collected: 6/11/2008 11:13:09 AM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: G0846-06C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	420.0	0.0061	mg/L	0.00288	0.0061	mg/L	0.00288	46.85%
Cr 267.716	1488.0	0.0093	mg/L	0.00019	0.0093	mg/L	0.00019	2.04%
Cu 324.752	1292.7	0.0041	mg/L	0.00035	0.0041	mg/L	0.00035	8.57%
Fe 273.955	4489.2	0.0965	mg/L	0.00023	0.0965	mg/L	0.00023	0.24%
Mg 279.077	160625.6	6.1145	mg/L	0.05884	6.1145	mg/L	0.05884	0.96%
Mn 257.610	9159.1	0.0140	mg/L	0.00006	0.0140	mg/L	0.00006	0.42%
Ni 231.604	983.2	0.0089	mg/L	0.00002	0.0089	mg/L	0.00002	0.27%
Tl 190.801	6.2	0.0033	mg/L	0.00113	0.0033	mg/L	0.00113	34.77%
V 292.402	198.5	0.0007	mg/L	0.00030	0.0007	mg/L	0.00030	40.12%
Zn 206.200	1679.3	0.0223	mg/L	0.00032	0.0223	mg/L	0.00032	1.41%
Cd 226.502	-14.1	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	73.59%
Ti 334.940	593.1	0.0009	mg/L	0.00007	0.0009	mg/L	0.00007	7.57%
Ca 227.546	13431.5	23.591	mg/L	0.0684	23.591	mg/L	0.0684	0.29%

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Sequence No.: 7 Autosampler Location: 51
Sample ID: G0846-07C,36914 Date Collected: 6/11/2008 11:17:11 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: G0846-07C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	555.2	0.0111	mg/L	0.00059	0.0111	mg/L	0.00059	5.30%
Cr 267.716	1737.2	0.0109	mg/L	0.00055	0.0109	mg/L	0.00055	5.01%
Cu 324.752	851.9	0.0027	mg/L	0.00002	0.0027	mg/L	0.00002	0.90%
Fe 273.955	5255.1	0.1135	mg/L	0.00010	0.1135	mg/L	0.00010	0.08%
Mg 279.077	66002.1	2.5140	mg/L	0.00666	2.5140	mg/L	0.00666	0.26%
Mn 257.610	11930.9	0.0183	mg/L	0.00007	0.0183	mg/L	0.00007	0.37%
Ni 231.604	1022.3	0.0092	mg/L	0.00000	0.0092	mg/L	0.00000	0.05%
Tl 190.801	6.9	0.0038	mg/L	0.00313	0.0038	mg/L	0.00313	82.28%
V 292.402	236.4	0.0009	mg/L	0.00038	0.0009	mg/L	0.00038	43.50%
Zn 206.200	1190.9	0.0158	mg/L	0.00030	0.0158	mg/L	0.00030	1.87%
Cd 226.502	315.5	0.0014	mg/L	0.00000	0.0014	mg/L	0.00000	0.16%
Ti 334.940	906.1	0.0011	mg/L	0.00005	0.0011	mg/L	0.00005	4.86%
Ca 227.546	10600.3	18.618	mg/L	0.0975	18.618	mg/L	0.0975	0.52%

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Sequence No.: 8 Autosampler Location: 52
Sample ID: IPANDA1-36915,36914 Date Collected: 6/11/2008 11:21:13 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: IPANDA1-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	331763.6	9.3431	mg/L	0.03377	9.3431	mg/L	0.03377	0.36%
Cr 267.716	145401.9	0.9098	mg/L	0.00121	0.9098	mg/L	0.00121	0.13%
Cu 324.752	366060.3	1.1535	mg/L	0.00668	1.1535	mg/L	0.00668	0.58%
Fe 273.955	220801.3	4.7151	mg/L	0.01614	4.7151	mg/L	0.01614	0.34%
Mg 279.077	617488.1	23.543	mg/L	0.1220	23.543	mg/L	0.1220	0.52%
Mn 257.610	1570967.6	2.4093	mg/L	0.01106	2.4093	mg/L	0.01106	0.46%
Ni 231.604	261988.7	2.3607	mg/L	0.01121	2.3607	mg/L	0.01121	0.47%
Tl 190.801	794.8	0.4914	mg/L	0.00141	0.4914	mg/L	0.00141	0.29%
V 292.402	651919.6	2.3854	mg/L	0.01507	2.3854	mg/L	0.01507	0.63%
Zn 206.200	180055.6	2.3643	mg/L	0.00492	2.3643	mg/L	0.00492	0.21%
Cd 226.502	57645.8	0.2508	mg/L	0.00235	0.2508	mg/L	0.00235	0.94%
Ti 334.940	-17.4	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	160.95%
Ca 227.546	13613.2	23.604	mg/L	0.0016	23.604	mg/L	0.0016	0.01%

Sequence No.: 9
Sample ID: IPANDA2-36915,36914
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 6/11/2008 11:25:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA2-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	333466.4	9.3911	mg/L	0.00462	9.3911	mg/L	0.00462	0.05%
Cr 267.716	145863.8	0.9127	mg/L	0.00222	0.9127	mg/L	0.00222	0.24%
Cu 324.752	368456.4	1.1611	mg/L	0.00209	1.1611	mg/L	0.00209	0.18%
Fe 273.955	222965.7	4.7615	mg/L	0.00831	4.7615	mg/L	0.00831	0.17%
Mg 279.077	621436.1	23.693	mg/L	0.0351	23.693	mg/L	0.0351	0.15%
Mn 257.610	1579976.5	2.4231	mg/L	0.00259	2.4231	mg/L	0.00259	0.11%
Ni 231.604	263270.3	2.3722	mg/L	0.00294	2.3722	mg/L	0.00294	0.12%
Tl 190.801	795.8	0.4921	mg/L	0.00232	0.4921	mg/L	0.00232	0.47%
V 292.402	656831.6	2.4034	mg/L	0.00910	2.4034	mg/L	0.00910	0.38%
Zn 206.200	180579.2	2.3711	mg/L	0.00135	2.3711	mg/L	0.00135	0.06%
Cd 226.502	58219.8	0.2533	mg/L	0.00056	0.2533	mg/L	0.00056	0.22%
Ti 334.940	-73.4	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	42.96%
Ca 227.546	13596.1	23.571	mg/L	0.0315	23.571	mg/L	0.0315	0.13%

Sequence No.: 10
Sample ID: IPANDA3-36915,36914
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 6/11/2008 11:29:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA3-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	331745.1	9.3426	mg/L	0.01417	9.3426	mg/L	0.01417	0.15%
Cr 267.716	144847.0	0.9063	mg/L	0.00466	0.9063	mg/L	0.00466	0.51%
Cu 324.752	367423.4	1.1578	mg/L	0.00468	1.1578	mg/L	0.00468	0.40%
Fe 273.955	221154.8	4.7227	mg/L	0.00614	4.7227	mg/L	0.00614	0.13%
Mg 279.077	618238.2	23.571	mg/L	0.0466	23.571	mg/L	0.0466	0.20%
Mn 257.610	1573864.7	2.4137	mg/L	0.00409	2.4137	mg/L	0.00409	0.17%
Ni 231.604	261977.1	2.3606	mg/L	0.00209	2.3606	mg/L	0.00209	0.09%
Tl 190.801	795.2	0.4917	mg/L	0.00258	0.4917	mg/L	0.00258	0.53%
V 292.402	653381.3	2.3907	mg/L	0.00116	2.3907	mg/L	0.00116	0.05%
Zn 206.200	179925.9	2.3626	mg/L	0.00749	2.3626	mg/L	0.00749	0.32%
Cd 226.502	57960.7	0.2522	mg/L	0.00098	0.2522	mg/L	0.00098	0.39%
Ti 334.940	336.5	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	3.13%
Ca 227.546	13568.4	23.524	mg/L	0.0167	23.524	mg/L	0.0167	0.07%

Sequence No.: 11
Sample ID: IPANDA4-36915,36914
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 6/11/2008 11:33:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA4-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	335455.5	9.4473	mg/L	0.00178	9.4473	mg/L	0.00178	0.02%
Cr 267.716	146216.7	0.9149	mg/L	0.00479	0.9149	mg/L	0.00479	0.52%
Cu 324.752	371637.7	1.1711	mg/L	0.00045	1.1711	mg/L	0.00045	0.04%
Fe 273.955	223367.2	4.7701	mg/L	0.00125	4.7701	mg/L	0.00125	0.03%
Mg 279.077	623033.9	23.754	mg/L	0.0109	23.754	mg/L	0.0109	0.05%
Mn 257.610	1589249.7	2.4373	mg/L	0.00041	2.4373	mg/L	0.00041	0.02%
Ni 231.604	264118.2	2.3799	mg/L	0.00312	2.3799	mg/L	0.00312	0.13%
Tl 190.801	790.8	0.4890	mg/L	0.00140	0.4890	mg/L	0.00140	0.29%
V 292.402	658320.5	2.4088	mg/L	0.00884	2.4088	mg/L	0.00884	0.37%
Zn 206.200	181430.2	2.3823	mg/L	0.00390	2.3823	mg/L	0.00390	0.16%

Cd 226.502	57874.9	0.2518	mg/L	0.00148	0.2518	mg/L	0.00148	0.59%
Ti 334.940	213.2	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	6.51%
Ca 227.546	13545.1	23.481	mg/L	0.1107	23.481	mg/L	0.1107	0.47%

Sequence No.: 12 **Autosampler Location: 7**
Sample ID: CRI **Date Collected: 6/11/2008 11:37:50 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	-1055.2	-0.0314	mg/L	0.00021	-0.0314	mg/L	0.00021	0.67%
Cr 267.716	3083.0	0.0193	mg/L	0.00065	0.0193	mg/L	0.00065	3.38%
Cu 324.752	15846.5	0.0500	mg/L	0.00025	0.0500	mg/L	0.00025	0.50%
Fe 273.955	372.8	0.0054	mg/L	0.00051	0.0054	mg/L	0.00051	9.51%
Mg 279.077	-492.1	-0.0178	mg/L	0.00042	-0.0178	mg/L	0.00042	2.33%
Mn 257.610	20764.6	0.0318	mg/L	0.00013	0.0318	mg/L	0.00013	0.41%
Ni 231.604	9279.6	0.0836	mg/L	0.00014	0.0836	mg/L	0.00014	0.17%
Tl 190.801	36.7	0.0225	mg/L	0.00022	0.0225	mg/L	0.00022	0.98%
V 292.402	27278.9	0.0998	mg/L	0.00039	0.0998	mg/L	0.00039	0.39%
Zn 206.200	3204.9	0.0421	mg/L	0.00041	0.0421	mg/L	0.00041	0.97%
Cd 226.502	2351.1	0.0102	mg/L	0.00002	0.0102	mg/L	0.00002	0.22%
Ti 334.940	-11.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	95.53%
Ca 227.546	-26.2	-0.0549	mg/L	0.01339	-0.0549	mg/L	0.01339	24.38%

Sequence No.: 13 **Autosampler Location: 5**
Sample ID: ICSA **Date Collected: 6/11/2008 11:41:57 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	17533164.6	496.12	mg/L	0.150	496.12	mg/L	0.150	0.03%
Cr 267.716	-364.6	-0.0004	mg/L	0.00020	-0.0004	mg/L	0.00020	53.15%
Cu 324.752	-1533.7	0.0025	mg/L	0.00038	0.0025	mg/L	0.00038	14.80%
Fe 273.955	8332965.7	180.41	mg/L	0.019	180.41	mg/L	0.019	0.01%
Mg 279.077	12830155.2	488.65	mg/L	0.236	488.65	mg/L	0.236	0.05%
Mn 257.610	13304.2	0.0076	mg/L	0.00025	0.0076	mg/L	0.00025	3.25%
Ni 231.604	520.4	0.0047	mg/L	0.00038	0.0047	mg/L	0.00038	8.16%
Tl 190.801	50.7	0.0206	mg/L	0.01179	0.0206	mg/L	0.01179	57.18%
V 292.402	-1914.2	-0.0007	mg/L	0.00018	-0.0007	mg/L	0.00018	26.22%
Zn 206.200	436.8	0.0124	mg/L	0.00035	0.0124	mg/L	0.00035	2.79%
Cd 226.502	1197.4	0.0016	mg/L	0.00010	0.0016	mg/L	0.00010	6.41%
Ti 334.940	2811.1	0.0086	mg/L	0.00006	0.0086	mg/L	0.00006	0.72%
Ca 227.546	279535.8	487.69	mg/L	7.581	487.69	mg/L	7.581	1.55%

Sequence No.: 14 **Autosampler Location: 6**
Sample ID: ICSAB **Date Collected: 6/11/2008 11:44:34 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	17067191.6	482.92	mg/L	2.924	482.92	mg/L	2.924	0.61%
Cr 267.716	68761.2	0.4323	mg/L	0.00128	0.4323	mg/L	0.00128	0.30%
Cu 324.752	144374.1	0.4627	mg/L	0.00099	0.4627	mg/L	0.00099	0.21%
Fe 273.955	8126782.0	175.93	mg/L	0.878	175.93	mg/L	0.878	0.50%
Mg 279.077	12487927.1	475.63	mg/L	2.247	475.63	mg/L	2.247	0.47%
Mn 257.610	317534.1	0.4746	mg/L	0.00138	0.4746	mg/L	0.00138	0.29%

Ni 231.604	95741.2	0.8628 mg/L	0.00251	0.8628 mg/L	0.00251	0.29%
Tl 190.801	183.0	0.1027 mg/L	0.01167	0.1027 mg/L	0.01167	11.36%
V 292.402	125856.2	0.4670 mg/L	0.00131	0.4670 mg/L	0.00131	0.28%
Zn 206.200	62368.5	0.8257 mg/L	0.00315	0.8257 mg/L	0.00315	0.38%
Cd 226.502	205341.5	0.8892 mg/L	0.00060	0.8892 mg/L	0.00060	0.07%
Ti 334.940	2777.4	0.0084 mg/L	0.00001	0.0084 mg/L	0.00001	0.08%
Ca 227.546	276736.1	482.79 mg/L	1.677	482.79 mg/L	1.677	0.35%

Sequence No.: 15
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/11/2008 11:47:12 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	346968.7	9.7710	mg/L	0.00764	9.7710	mg/L	0.00764	0.08%
Cr 267.716	153020.5	0.9575	mg/L	0.00364	0.9575	mg/L	0.00364	0.38%
Cu 324.752	386010.3	1.2164	mg/L	0.00051	1.2164	mg/L	0.00051	0.04%
Fe 273.955	236674.1	5.0552	mg/L	0.00996	5.0552	mg/L	0.00996	0.20%
Mg 279.077	656471.8	25.029	mg/L	0.0563	25.029	mg/L	0.0563	0.22%
Mn 257.610	1647817.8	2.5271	mg/L	0.00033	2.5271	mg/L	0.00033	0.01%
Ni 231.604	277699.0	2.5023	mg/L	0.00276	2.5023	mg/L	0.00276	0.11%
Tl 190.801	803.4	0.4969	mg/L	0.00033	0.4969	mg/L	0.00033	0.07%
V 292.402	687466.7	2.5155	mg/L	0.00316	2.5155	mg/L	0.00316	0.13%
Zn 206.200	185857.8	2.4405	mg/L	0.00162	2.4405	mg/L	0.00162	0.07%
Cd 226.502	59164.1	0.2574	mg/L	0.00093	0.2574	mg/L	0.00093	0.36%
Ti 334.940	65.3	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	90.61%
Ca 227.546	14183.3	24.586	mg/L	0.0335	24.586	mg/L	0.0335	0.14%

Sequence No.: 16
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/11/2008 11:51:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	-1002.7	-0.0284	mg/L	0.00126	-0.0284	mg/L	0.00126	4.42%
Cr 267.716	8.8	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	192.92%
Cu 324.752	1279.2	0.0040	mg/L	0.00084	0.0040	mg/L	0.00084	20.85%
Fe 273.955	1079.3	0.0233	mg/L	0.00133	0.0233	mg/L	0.00133	5.68%
Mg 279.077	-501.7	-0.0190	mg/L	0.00080	-0.0190	mg/L	0.00080	4.19%
Mn 257.610	468.5	0.0007	mg/L	0.00006	0.0007	mg/L	0.00006	9.01%
Ni 231.604	178.5	0.0016	mg/L	0.00017	0.0016	mg/L	0.00017	10.36%
Tl 190.801	5.6	0.0034	mg/L	0.00156	0.0034	mg/L	0.00156	45.47%
V 292.402	279.7	0.0010	mg/L	0.00018	0.0010	mg/L	0.00018	17.29%
Zn 206.200	482.2	0.0063	mg/L	0.00108	0.0063	mg/L	0.00108	17.10%
Cd 226.502	-4.6	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	16.04%
Ti 334.940	34.5	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	301.23%
Ca 227.546	-28.7	-0.0510	mg/L	0.02391	-0.0510	mg/L	0.02391	46.85%

Reprocessing Begun
Logged In Analyst: optima3 Technique: ICP Continuous

Results Data Set (original): B08060504
Results Library (original): C:\pe\Administrator\Results\Results.mdb
Results Data Set (reprocessed): B08060504A
Results Library (reprocessed): C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: S0 Date Collected: 6/5/2008 3:53:00 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:30 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	539.8	27.72	5.13%	[0.00]	mg/L
Na 589.592	68.4	72.22	105.59%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 9
Sample ID: S1 Date Collected: 6/5/2008 3:55:35 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	155178.3	231.36	0.15%	[50]	mg/L
Na 589.592	398519.5	942.54	0.24%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
K 766.490	1	Lin Thru 0	0.0	3104	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	7970	0.00000	1.000000	

Sequence No.: 3 Autosampler Location: 10
Sample ID: ICV Date Collected: 6/5/2008 3:57:55 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	116690.3	37.599	mg/L	0.7858	37.599	mg/L	0.7858	2.09%
Na 589.592	303831.1	38.120	mg/L	0.7242	38.120	mg/L	0.7242	1.90%

Sequence No.: 4 Autosampler Location: 4
Sample ID: ICB Date Collected: 6/5/2008 4:00:15 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	88.7	0.0286	mg/L	0.00346	0.0286	mg/L	0.00346	12.09%
Na 589.592	293.5	0.0368	mg/L	0.00353	0.0368	mg/L	0.00353	9.57%

Sequence No.: 5
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 6/5/2008 4:02:35 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	13.2	0.0043	mg/L	0.00802	0.0043	mg/L	0.00802	188.14%
Na 589.592	264.4	0.0332	mg/L	0.00344	0.0332	mg/L	0.00344	10.38%

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 6/5/2008 4:04:57 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	21.3	0.0069	mg/L	0.02364	0.0069	mg/L	0.02364	344.96%
Na 589.592	170.7	0.0214	mg/L	0.00624	0.0214	mg/L	0.00624	29.16%

Sequence No.: 7
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 6/5/2008 4:07:14 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	79016.4	25.460	mg/L	0.0669	25.460	mg/L	0.0669	0.26%
Na 589.592	208835.9	26.201	mg/L	0.0503	26.201	mg/L	0.0503	0.19%

Sequence No.: 8
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 6/5/2008 4:09:34 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	14.6	0.0047	mg/L	0.00576	0.0047	mg/L	0.00576	122.12%
Na 589.592	156.0	0.0196	mg/L	0.00942	0.0196	mg/L	0.00942	48.09%

Sequence No.: 9
Sample ID: MB-36914,36914
Analyst:
Logged In Analyst (Original) : optima3
Autosampler Location: 38
Date Collected: 6/5/2008 4:11:54 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: MB-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	42.4	0.0137	mg/L	0.00322	0.0137	mg/L	0.00322	23.51%
Na 589.592	1031.0	0.1294	mg/L	0.00353	0.1294	mg/L	0.00353	2.73%

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Sequence No.: 10 Autosampler Location: 39
Sample ID: LCS-36914,36914 Date Collected: 6/5/2008 4:14:14 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: LCS-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	74876.8	24.126	mg/L	0.1302	24.126	mg/L	0.1302	0.54%
Na 589.592	196017.5	24.593	mg/L	0.1644	24.593	mg/L	0.1644	0.67%

==========

Sequence No.: 11 Autosampler Location: 40
Sample ID: G0859-01C,36914 Date Collected: 6/5/2008 4:16:33 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: G0859-01C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	5682.5	1.8310	mg/L	0.00442	1.8310	mg/L	0.00442	0.24%
Na 589.592	95199.7	11.944	mg/L	0.0541	11.944	mg/L	0.0541	0.45%

==========

Sequence No.: 12 Autosampler Location: 41
Sample ID: G0859-02C,36914 Date Collected: 6/5/2008 4:18:52 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: G0859-02C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	100.2	0.0323	mg/L	0.05202	0.0323	mg/L	0.05202	161.13%
Na 589.592	618.6	0.0776	mg/L	0.00287	0.0776	mg/L	0.00287	3.70%

==========

Sequence No.: 13 Autosampler Location: 42
Sample ID: G0859-03C,36914 Date Collected: 6/5/2008 4:21:11 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: G0859-03C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	4714.6	1.5191	mg/L	0.02807	1.5191	mg/L	0.02807	1.85%
Na 589.592	116798.6	14.654	mg/L	0.0964	14.654	mg/L	0.0964	0.66%

==========

Sequence No.: 14
Sample ID: G0859-03CSD,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 6/5/2008 4:23:30 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0859-03CSD,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	839.2	0.2704	mg/L	0.02293	0.2704	mg/L	0.02293	8.48%
Na 589.592	23529.2	2.9521	mg/L	0.09470	2.9521	mg/L	0.09470	3.21%

Sequence No.: 15
Sample ID: G0846-02C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 6/5/2008 4:25:49 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	20334.6	6.5520	mg/L	0.08962	6.5520	mg/L	0.08962	1.37%
Na 589.592	103507.2	12.986	mg/L	0.1561	12.986	mg/L	0.1561	1.20%

Sequence No.: 16
Sample ID: G0846-02CDUP,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/5/2008 4:28:08 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CDUP,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	20126.2	6.4849	mg/L	0.05781	6.4849	mg/L	0.05781	0.89%
Na 589.592	102803.0	12.898	mg/L	0.1424	12.898	mg/L	0.1424	1.10%

Sequence No.: 17
Sample ID: G0846-02CSD,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 6/5/2008 4:30:27 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CSD,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	4072.6	1.3122	mg/L	0.01956	1.3122	mg/L	0.01956	1.49%
Na 589.592	20639.6	2.5895	mg/L	0.00651	2.5895	mg/L	0.00651	0.25%

Sequence No.: 18
Sample ID: G0846-03C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 6/5/2008 4:32:47 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-03C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

K 766.490	52.1	0.0168	mg/L	0.00806	0.0168	mg/L	0.00806 47.97%
Na 589.592	388.9	0.0488	mg/L	0.00560	0.0488	mg/L	0.00560 11.48%

Sequence No.: 19
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/5/2008 4:35:07 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	79818.3	25.718	mg/L	0.0613	25.718	mg/L	0.0613	0.24%
Na 589.592	210512.5	26.412	mg/L	0.0698	26.412	mg/L	0.0698	0.26%

Sequence No.: 20
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/5/2008 4:37:27 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	46.2	0.0149	mg/L	0.01173	0.0149	mg/L	0.01173	78.77%
Na 589.592	186.7	0.0234	mg/L	0.00787	0.0234	mg/L	0.00787	33.62%

Sequence No.: 21
Sample ID: G0846-04C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 6/5/2008 4:39:47 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-04C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	9003.9	2.9011	mg/L	0.08551	2.9011	mg/L	0.08551	2.95%
Na 589.592	133326.0	16.728	mg/L	0.2112	16.728	mg/L	0.2112	1.26%

Sequence No.: 22
Sample ID: G0846-05C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/5/2008 4:42:08 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-05C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	8820.3	2.8420	mg/L	0.01030	2.8420	mg/L	0.01030	0.36%
Na 589.592	131816.7	16.538	mg/L	0.0621	16.538	mg/L	0.0621	0.38%

Sequence No.: 23
Sample ID: G0846-06C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 6/5/2008 4:44:31 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-06C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	5205.2	1.6772	mg/L	0.01789	1.6772	mg/L	0.01789	1.07%
Na 589.592	81836.3	10.268	mg/L	0.0524	10.268	mg/L	0.0524	0.51%

Sequence No.: 24
Sample ID: G0846-07C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 51
Date Collected: 6/5/2008 4:46:51 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-07C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	11378.7	3.6663	mg/L	0.06854	3.6663	mg/L	0.06854	1.87%
Na 589.592	219092.9	27.488	mg/L	0.3932	27.488	mg/L	0.3932	1.43%

Sequence No.: 25
Sample ID: IPANDA1-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 52
Date Collected: 6/5/2008 4:49:11 PM
Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA1-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	74973.1	24.157	mg/L	0.1782	24.157	mg/L	0.1782	0.74%
Na 589.592	196303.1	24.629	mg/L	0.1626	24.629	mg/L	0.1626	0.66%

Sequence No.: 26
Sample ID: IPANDA2-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 53
Date Collected: 6/5/2008 4:51:31 PM
Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA2-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	74212.1	23.912	mg/L	0.1875	23.912	mg/L	0.1875	0.78%
Na 589.592	194198.4	24.365	mg/L	0.1685	24.365	mg/L	0.1685	0.69%

Sequence No.: 27
Sample ID: IPANDA-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 54
Date Collected: 6/5/2008 4:53:51 PM
Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	73982.8	23.838	mg/L	0.0997	23.838	mg/L	0.0997	0.42%
Na 589.592	193729.2	24.306	mg/L	0.0896	24.306	mg/L	0.0896	0.37%

Sequence No.: 28
Sample ID: IPANDA4-36915,36914
Analyst:
Autosampler Location: 55
Date Collected: 6/5/2008 4:56:11 PM
Data Type: Reprocessed on 6/6/2008 8:52:39 AM

Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: IPANDA4-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	75215.6	24.235	mg/L	0.0617	24.235	mg/L	0.0617	0.25%
Na 589.592	202416.0	25.396	mg/L	0.0930	25.396	mg/L	0.0930	0.37%

==========

Sequence No.: 29 Autosampler Location: 5
Sample ID: ICSA Date Collected: 6/5/2008 4:58:31 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	108.6	0.0350	mg/L	0.01754	0.0350	mg/L	0.01754	50.13%
Na 589.592	412.6	0.0518	mg/L	0.00108	0.0518	mg/L	0.00108	2.09%

==========

Sequence No.: 30 Autosampler Location: 6
Sample ID: ICSAB Date Collected: 6/5/2008 5:00:52 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	17.1	0.0055	mg/L	0.00571	0.0055	mg/L	0.00571	103.62%
Na 589.592	288.4	0.0362	mg/L	0.00286	0.0362	mg/L	0.00286	7.89%

==========

Sequence No.: 31 Autosampler Location: 3
Sample ID: CCV Date Collected: 6/5/2008 5:03:09 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	79512.4	25.620	mg/L	0.2125	25.620	mg/L	0.2125	0.83%
Na 589.592	210252.7	26.379	mg/L	0.1853	26.379	mg/L	0.1853	0.70%

==========

Sequence No.: 32 Autosampler Location: 4
Sample ID: CCB Date Collected: 6/5/2008 5:05:29 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	125.6	0.0405	mg/L	0.01239	0.0405	mg/L	0.01239	30.62%
Na 589.592	245.3	0.0308	mg/L	0.00032	0.0308	mg/L	0.00032	1.04%

Reprocessing Begun
Logged In Analyst: optima3 Technique: ICP Continuous

Results Data Set (original): B08060601
Results Library (original): C:\pe\Administrator\Results\Results.mdb
Results Data Set (reprocessed): B08060601A
Results Library (reprocessed): C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: S0 Date Collected: 6/6/2008 9:42:28 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:23:47 PM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	82.3	25.63	31.16%	[0.00]	mg/L
Al 308.215	8045.5	58.14	0.72%	[0.00]	mg/L
As 188.979	-0.1	4.99	>999.9%	[0.00]	mg/L
Ba 233.527	-32.9	0.41	1.24%	[0.00]	mg/L
Be 313.107	-813.2	13.88	1.71%	[0.00]	mg/L
Co 228.616	-31.0	1.43	4.62%	[0.00]	mg/L
Cr 267.716	5.2	3.96	76.27%	[0.00]	mg/L
Cu 324.752	4475.1	29.21	0.65%	[0.00]	mg/L
Fe 273.955	-137.5	2.07	1.50%	[0.00]	mg/L
Mg 279.077	-251.4	63.20	25.14%	[0.00]	mg/L
Mn 257.610	164.6	8.40	5.10%	[0.00]	mg/L
Ni 231.604	-41.8	1.11	2.65%	[0.00]	mg/L
Pb 220.353	14.2	0.78	5.46%	[0.00]	mg/L
Sb 206.836	7.9	2.38	30.10%	[0.00]	mg/L
Se 196.026	-2.0	1.23	60.14%	[0.00]	mg/L
Tl 190.801	-7.1	3.53	50.01%	[0.00]	mg/L
V 292.402	-18.1	1.02	5.64%	[0.00]	mg/L
Zn 206.200	11.1	3.80	34.34%	[0.00]	mg/L
Na 330.237	-279.5	53.85	19.27%	[0.00]	mg/L
Cd 226.502	-56.1	1.06	1.88%	[0.00]	mg/L
Ti 334.940	-133.3	14.51	10.89%	[0.00]	mg/L
Ca 227.546	87.5	5.83	6.67%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 9
Sample ID: S1 Date Collected: 6/6/2008 9:45:31 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:23:53 PM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	390657.9	1931.20	0.49%	[2.5]	mg/L
Al 308.215	557947.7	2181.45	0.39%	[20]	mg/L
As 188.979	1400.6	9.24	0.66%	[1]	mg/L
Ba 233.527	1151108.6	1757.38	0.15%	[20]	mg/L
Be 313.107	895409.4	7172.74	0.80%	[0.5]	mg/L
Co 228.616	165652.7	131.45	0.08%	[5]	mg/L
Cr 267.716	122076.3	811.66	0.66%	[2]	mg/L
Cu 324.752	441006.7	1602.49	0.36%	[2.5]	mg/L
Fe 273.955	303622.7	239.36	0.08%	[10]	mg/L
Mg 279.077	1078403.7	4540.52	0.42%	[50]	mg/L
Mn 257.610	2699879.1	14760.65	0.55%	[5]	mg/L
Ni 231.604	137177.8	310.04	0.23%	[5]	mg/L
Pb 220.353	5285.6	32.00	0.61%	[1]	mg/L
Sb 206.836	2155.3	16.67	0.77%	[1]	mg/L

Se 196.026	693.6	7.58	1.09%	[1] mg/L
Tl 190.801	1697.6	8.89	0.52%	[1] mg/L
V 292.402	515639.0	102.09	0.02%	[5] mg/L
Zn 206.200	140435.3	816.73	0.58%	[5] mg/L
Na 330.237	55336.7	103.38	0.19%	[50] mg/L
Cd 226.502	18486.9	259.19	1.40%	[0.5] mg/L
Ti 334.940	630118.8	4334.88	0.69%	[1] mg/L
Ca 227.546	14432.3	85.41	0.59%	[50] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	156300	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	27900	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1401	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	57560	0.00000	1.000000	
Be 313.107	1	Lin Thru 0	0.0	1791000	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	33130	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	61040	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	176400	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	30360	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	21570	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	540000	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	27440	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	5286	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	2155	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	693.6	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	1698	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	103100	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	28090	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	1107	0.00000	1.000000	
Cd 226.502	1	Lin Thru 0	0.0	36970	0.00000	1.000000	
Ti 334.940	1	Lin Thru 0	0.0	630100	0.00000	1.000000	
Ca 227.546	1	Lin Thru 0	0.0	288.6	0.00000	1.000000	

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Sequence No.: 3
Sample ID: ICV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 6/6/2008 9:48:46 AM
Data Type: Reprocessed on 6/6/2008 1:23:54 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	276348.7	1.7686	mg/L	0.06128	1.7686	mg/L	0.06128	3.47%
Al 308.215	414606.5	14.834	mg/L	0.4013	14.834	mg/L	0.4013	2.71%
As 188.979	1068.5	0.7694	mg/L	0.00035	0.7694	mg/L	0.00035	0.05%
Ba 233.527	882049.6	15.329	mg/L	0.2166	15.329	mg/L	0.2166	1.41%
Be 313.107	678292.0	0.3789	mg/L	0.01031	0.3789	mg/L	0.01031	2.72%
Co 228.616	129315.5	3.9032	mg/L	0.05619	3.9032	mg/L	0.05619	1.44%
Cr 267.716	93916.4	1.5377	mg/L	0.01789	1.5377	mg/L	0.01789	1.16%
Cu 324.752	331497.3	1.8792	mg/L	0.03098	1.8792	mg/L	0.03098	1.65%
Fe 273.955	233012.3	7.6744	mg/L	0.11841	7.6744	mg/L	0.11841	1.54%
Mg 279.077	827526.7	38.363	mg/L	1.1380	38.363	mg/L	1.1380	2.97%
Mn 257.610	2040962.9	3.7784	mg/L	0.12491	3.7784	mg/L	0.12491	3.31%
Ni 231.604	106755.9	3.8899	mg/L	0.05012	3.8899	mg/L	0.05012	1.29%
Pb 220.353	4004.3	0.7574	mg/L	0.00397	0.7574	mg/L	0.00397	0.52%
Sb 206.836	1631.8	0.7351	mg/L	0.00306	0.7351	mg/L	0.00306	0.42%
Se 196.026	526.8	0.7591	mg/L	0.00437	0.7591	mg/L	0.00437	0.58%
Tl 190.801	1299.1	0.7600	mg/L	0.00310	0.7600	mg/L	0.00310	0.41%
V 292.402	389336.8	3.7774	mg/L	0.09650	3.7774	mg/L	0.09650	2.55%
Zn 206.200	107673.3	3.8364	mg/L	0.04847	3.8364	mg/L	0.04847	1.26%
Na 330.237	40818.6	36.826	mg/L	0.5524	36.826	mg/L	0.5524	1.50%
Cd 226.502	14049.0	0.3805	mg/L	0.00634	0.3805	mg/L	0.00634	1.67%
Ti 334.940	85.5	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	153.19%
Ca 227.546	10759.9	37.026	mg/L	0.0638	37.026	mg/L	0.0638	0.17%

Sequence No.: 4
Sample ID: ICB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/6/2008 9:51:59 AM
Data Type: Reprocessed on 6/6/2008 1:23:54 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	932.7	0.0060	mg/L	0.00010	0.0060	mg/L	0.00010	1.75%
Al 308.215	200.1	0.0072	mg/L	0.00378	0.0072	mg/L	0.00378	52.65%
As 188.979	1.5	0.0010	mg/L	0.00038	0.0010	mg/L	0.00038	36.85%
Ba 233.527	36.2	0.0006	mg/L	0.00007	0.0006	mg/L	0.00007	11.73%
Be 313.107	-13.2	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	17.39%
Co 228.616	6.9	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	5.79%
Cr 267.716	4.4	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	126.94%
Cu 324.752	317.6	0.0018	mg/L	0.00012	0.0018	mg/L	0.00012	6.71%
Fe 273.955	-9.1	-0.0003	mg/L	0.00056	-0.0003	mg/L	0.00056	188.59%
Mg 279.077	7.1	0.0003	mg/L	0.00223	0.0003	mg/L	0.00223	681.21%
Mn 257.610	78.9	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	37.62%
Ni 231.604	4.3	0.0002	mg/L	0.00024	0.0002	mg/L	0.00024	152.44%
Pb 220.353	-1.1	-0.0002	mg/L	0.00029	-0.0002	mg/L	0.00029	144.92%
Sb 206.836	-1.3	-0.0006	mg/L	0.00160	-0.0006	mg/L	0.00160	269.90%
Se 196.026	1.8	0.0026	mg/L	0.00110	0.0026	mg/L	0.00110	42.04%
Tl 190.801	2.5	0.0015	mg/L	0.00147	0.0015	mg/L	0.00147	100.46%
V 292.402	44.0	0.0004	mg/L	0.00009	0.0004	mg/L	0.00009	21.30%
Zn 206.200	30.7	0.0011	mg/L	0.00026	0.0011	mg/L	0.00026	24.20%
Na 330.237	-36.4	-0.0330	mg/L	0.06130	-0.0330	mg/L	0.06130	185.97%
Cd 226.502	-2.8	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	33.35%
Ti 334.940	-47.4	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	31.93%
Ca 227.546	-10.5	-0.0363	mg/L	0.04855	-0.0363	mg/L	0.04855	133.75%

Sequence No.: 5
Sample ID: CRI
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/6/2008 9:55:06 AM
Data Type: Reprocessed on 6/6/2008 1:23:55 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	3849.6	0.0247	mg/L	0.00015	0.0247	mg/L	0.00015	0.61%
Al 308.215	322.8	0.0111	mg/L	0.00333	0.0111	mg/L	0.00333	30.02%
As 188.979	30.8	0.0221	mg/L	0.00098	0.0221	mg/L	0.00098	4.44%
Ba 233.527	4.0	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	2.08%
Be 313.107	17523.3	0.0098	mg/L	0.00001	0.0098	mg/L	0.00001	0.05%
Co 228.616	3709.9	0.1120	mg/L	0.00009	0.1120	mg/L	0.00009	0.08%
Cr 267.716	1286.5	0.0211	mg/L	0.00003	0.0211	mg/L	0.00003	0.14%
Cu 324.752	9093.8	0.0516	mg/L	0.00058	0.0516	mg/L	0.00058	1.12%
Fe 273.955	26.9	0.0009	mg/L	0.00053	0.0009	mg/L	0.00053	60.09%
Mg 279.077	-48.3	-0.0023	mg/L	0.00438	-0.0023	mg/L	0.00438	189.25%
Mn 257.610	17776.2	0.0329	mg/L	0.00031	0.0329	mg/L	0.00031	0.95%
Ni 231.604	2461.8	0.0897	mg/L	0.00015	0.0897	mg/L	0.00015	0.17%
Pb 220.353	31.0	0.0059	mg/L	0.00026	0.0059	mg/L	0.00026	4.38%
Sb 206.836	232.4	0.1076	mg/L	0.00155	0.1076	mg/L	0.00155	1.44%
Se 196.026	8.9	0.0128	mg/L	0.00010	0.0128	mg/L	0.00010	0.75%
Tl 190.801	37.4	0.0218	mg/L	0.00330	0.0218	mg/L	0.00330	15.11%
V 292.402	10383.7	0.1007	mg/L	0.00070	0.1007	mg/L	0.00070	0.69%
Zn 206.200	1235.7	0.0440	mg/L	0.00010	0.0440	mg/L	0.00010	0.24%
Na 330.237	-93.7	-0.0847	mg/L	0.15321	-0.0847	mg/L	0.15321	180.97%
Cd 226.502	397.6	0.0108	mg/L	0.00009	0.0108	mg/L	0.00009	0.80%
Ti 334.940	34.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	8.21%
Ca 227.546	20.1	0.0599	mg/L	0.02367	0.0599	mg/L	0.02367	39.54%

Sequence No.: 6
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/6/2008 9:58:09 AM
Data Type: Reprocessed on 6/6/2008 1:23:55 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-272.9	-0.0018	mg/L	0.00000	-0.0018	mg/L	0.00000	0.05%
Al 308.215	12923044.9	463.11	mg/L	4.100	463.11	mg/L	4.100	0.89%
As 188.979	-10.2	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	166.70%
Ba 233.527	100.0	0.0002	mg/L	0.00029	0.0002	mg/L	0.00029	184.46%
Be 313.107	-82.5	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	43.15%
Co 228.616	106.9	0.0079	mg/L	0.00011	0.0079	mg/L	0.00011	1.42%
Cr 267.716	60.5	0.0022	mg/L	0.00006	0.0022	mg/L	0.00006	2.76%
Cu 324.752	-1398.4	-0.0014	mg/L	0.00005	-0.0014	mg/L	0.00005	3.73%
Fe 273.955	5211366.1	171.64	mg/L	1.485	171.64	mg/L	1.485	0.86%
Mg 279.077	9686001.5	449.09	mg/L	4.105	449.09	mg/L	4.105	0.91%
Mn 257.610	7645.3	0.0052	mg/L	0.00024	0.0052	mg/L	0.00024	4.57%
Saturated outside survey window (code 6)								
Ni 231.604	103.0	0.0136	mg/L	0.00003	0.0136	mg/L	0.00003	0.23%
Pb 220.353	-80.1	-0.0004	mg/L	0.00044	-0.0004	mg/L	0.00044	101.93%
Sb 206.836	8.8	0.0015	mg/L	0.00250	0.0015	mg/L	0.00250	166.41%
Se 196.026	-41.1	0.0075	mg/L	0.00201	0.0075	mg/L	0.00201	26.96%
Tl 190.801	-32.9	0.0030	mg/L	0.00505	0.0030	mg/L	0.00505	166.39%
V 292.402	-1051.1	-0.0016	mg/L	0.00028	-0.0016	mg/L	0.00028	17.63%
Zn 206.200	167.9	0.0085	mg/L	0.00006	0.0085	mg/L	0.00006	0.72%
Na 330.237	414.8	-0.4011	mg/L	0.02484	-0.4011	mg/L	0.02484	6.19%
Cd 226.502	240.8	-0.0018	mg/L	0.00020	-0.0018	mg/L	0.00020	11.53%
Ti 334.940	2351.3	0.0064	mg/L	0.00006	0.0064	mg/L	0.00006	0.91%
Ca 227.546	139252.2	485.72	mg/L	2.844	485.72	mg/L	2.844	0.59%

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/6/2008 10:01:24 AM
Data Type: Reprocessed on 6/6/2008 1:23:56 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	29754.2	0.1904	mg/L	0.00053	0.1904	mg/L	0.00053	0.28%
Al 308.215	12642986.3	453.07	mg/L	4.331	453.07	mg/L	4.331	0.96%
As 188.979	111.3	0.0886	mg/L	0.00042	0.0886	mg/L	0.00042	0.48%
Ba 233.527	26760.9	0.4639	mg/L	0.00291	0.4639	mg/L	0.00291	0.63%
Be 313.107	789530.3	0.4409	mg/L	0.00194	0.4409	mg/L	0.00194	0.44%
Co 228.616	13864.3	0.4231	mg/L	0.00016	0.4231	mg/L	0.00016	0.04%
Cr 267.716	27026.5	0.4438	mg/L	0.00076	0.4438	mg/L	0.00076	0.17%
Cu 324.752	81906.2	0.4707	mg/L	0.00152	0.4707	mg/L	0.00152	0.32%
Fe 273.955	5110396.7	168.31	mg/L	1.777	168.31	mg/L	1.777	1.06%
Mg 279.077	9487317.6	439.88	mg/L	4.892	439.88	mg/L	4.892	1.11%
Mn 257.610	249521.8	0.4532	mg/L	0.00275	0.4532	mg/L	0.00275	0.61%
Ni 231.604	22812.9	0.8409	mg/L	0.00126	0.8409	mg/L	0.00126	0.15%
Pb 220.353	137.2	0.0402	mg/L	0.00020	0.0402	mg/L	0.00020	0.51%
Sb 206.836	1152.0	0.5250	mg/L	0.00032	0.5250	mg/L	0.00032	0.06%
Se 196.026	-14.6	0.0439	mg/L	0.00994	0.0439	mg/L	0.00994	22.68%
Tl 190.801	114.3	0.0885	mg/L	0.00355	0.0885	mg/L	0.00355	4.01%
V 292.402	44961.5	0.4449	mg/L	0.00105	0.4449	mg/L	0.00105	0.24%
Zn 206.200	23370.2	0.8354	mg/L	0.00444	0.8354	mg/L	0.00444	0.53%
Na 330.237	615.3	-0.2151	mg/L	0.03698	-0.2151	mg/L	0.03698	17.19%
Cd 226.502	31145.6	0.8344	mg/L	0.00596	0.8344	mg/L	0.00596	0.71%
Ti 334.940	2463.2	0.0064	mg/L	0.00006	0.0064	mg/L	0.00006	0.99%
Ca 227.546	138769.9	483.93	mg/L	1.313	483.93	mg/L	1.313	0.27%

Sequence No.: 8
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/6/2008 10:04:37 AM
Data Type: Reprocessed on 6/6/2008 1:23:56 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	194617.0	1.2455	mg/L	0.00921	1.2455	mg/L	0.00921	0.74%
Al 308.215	275651.4	9.8623	mg/L	0.07135	9.8623	mg/L	0.07135	0.72%
As 188.979	719.0	0.5178	mg/L	0.00141	0.5178	mg/L	0.00141	0.27%
Ba 233.527	610514.0	10.610	mg/L	0.0276	10.610	mg/L	0.0276	0.26%
Be 313.107	457998.9	0.2558	mg/L	0.00283	0.2558	mg/L	0.00283	1.11%
Co 228.616	87917.4	2.6536	mg/L	0.01938	2.6536	mg/L	0.01938	0.73%
Cr 267.716	63693.6	1.0428	mg/L	0.01021	1.0428	mg/L	0.01021	0.98%
Cu 324.752	218837.6	1.2406	mg/L	0.01032	1.2406	mg/L	0.01032	0.83%
Fe 273.955	158776.9	5.2294	mg/L	0.03737	5.2294	mg/L	0.03737	0.71%
Mg 279.077	560911.0	26.003	mg/L	0.2316	26.003	mg/L	0.2316	0.89%
Mn 257.610	1383313.3	2.5609	mg/L	0.03399	2.5609	mg/L	0.03399	1.33%
Ni 231.604	72637.3	2.6468	mg/L	0.02584	2.6468	mg/L	0.02584	0.98%
Pb 220.353	2731.9	0.5167	mg/L	0.00445	0.5167	mg/L	0.00445	0.86%
Sb 206.836	1118.2	0.5038	mg/L	0.00583	0.5038	mg/L	0.00583	1.16%
Se 196.026	352.1	0.5074	mg/L	0.00629	0.5074	mg/L	0.00629	1.24%
Tl 190.801	875.6	0.5123	mg/L	0.00190	0.5123	mg/L	0.00190	0.37%
V 292.402	261304.5	2.5353	mg/L	0.02591	2.5353	mg/L	0.02591	1.02%
Zn 206.200	73391.3	2.6149	mg/L	0.01632	2.6149	mg/L	0.01632	0.62%
Na 330.237	25960.9	23.420	mg/L	0.1893	23.420	mg/L	0.1893	0.81%
Cd 226.502	9535.0	0.2583	mg/L	0.00187	0.2583	mg/L	0.00187	0.72%
Ti 334.940	181.0	0.0001	mg/L	0.00031	0.0001	mg/L	0.00031	220.64%
Ca 227.546	7143.1	24.578	mg/L	0.2410	24.578	mg/L	0.2410	0.98%

Sequence No.: 9
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/6/2008 10:07:49 AM
Data Type: Reprocessed on 6/6/2008 1:23:57 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	157.3	0.0010	mg/L	0.00032	0.0010	mg/L	0.00032	32.03%
Al 308.215	418.1	0.0150	mg/L	0.00158	0.0150	mg/L	0.00158	10.57%
As 188.979	1.3	0.0009	mg/L	0.00305	0.0009	mg/L	0.00305	337.80%
Ba 233.527	23.8	0.0004	mg/L	0.00010	0.0004	mg/L	0.00010	24.08%
Be 313.107	-75.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.80%
Co 228.616	5.9	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	20.48%
Cr 267.716	12.5	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	6.14%
Cu 324.752	509.0	0.0029	mg/L	0.00008	0.0029	mg/L	0.00008	2.61%
Fe 273.955	70.4	0.0023	mg/L	0.00022	0.0023	mg/L	0.00022	9.48%
Mg 279.077	62.1	0.0029	mg/L	0.00144	0.0029	mg/L	0.00144	50.06%
Mn 257.610	37.3	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	16.40%
Ni 231.604	3.5	0.0001	mg/L	0.00020	0.0001	mg/L	0.00020	155.90%
Pb 220.353	-4.6	-0.0009	mg/L	0.00086	-0.0009	mg/L	0.00086	97.35%
Sb 206.836	1.4	0.0006	mg/L	0.00081	0.0006	mg/L	0.00081	125.00%
Se 196.026	-1.4	-0.0020	mg/L	0.00145	-0.0020	mg/L	0.00145	72.33%
Tl 190.801	2.5	0.0015	mg/L	0.00007	0.0015	mg/L	0.00007	4.51%
V 292.402	16.0	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	22.86%
Zn 206.200	26.2	0.0009	mg/L	0.00009	0.0009	mg/L	0.00009	9.18%
Na 330.237	-129.7	-0.1172	mg/L	0.01325	-0.1172	mg/L	0.01325	11.30%
Cd 226.502	1.7	0.0000	mg/L	0.00011	0.0000	mg/L	0.00011	247.23%
Ti 334.940	-6.3	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	277.39%
Ca 227.546	4.1	0.0143	mg/L	0.02551	0.0143	mg/L	0.02551	177.88%

Sequence No.: 10
Autosampler Location: 38

Sample ID: MB-36914,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Date Collected: 6/6/2008 10:10:55 AM
Data Type: Reprocessed on 6/6/2008 1:23:57 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	644.7	0.0041	mg/L	0.00009	0.0041	mg/L	0.00009	2.13%
Al 308.215	641.7	0.0230	mg/L	0.00302	0.0230	mg/L	0.00302	13.13%
As 188.979	-0.9	-0.0006	mg/L	0.00017	-0.0006	mg/L	0.00017	26.75%
Ba 233.527	45.6	0.0008	mg/L	0.00001	0.0008	mg/L	0.00001	1.63%
Be 313.107	-69.8	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	27.26%
Co 228.616	6.6	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	29.07%
Cr 267.716	8.7	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	15.76%
Cu 324.752	803.4	0.0046	mg/L	0.00056	0.0046	mg/L	0.00056	12.32%
Fe 273.955	1582.3	0.0521	mg/L	0.00203	0.0521	mg/L	0.00203	3.89%
Mg 279.077	26.2	0.0012	mg/L	0.00304	0.0012	mg/L	0.00304	250.49%
Mn 257.610	1796.0	0.0033	mg/L	0.00013	0.0033	mg/L	0.00013	3.80%
Ni 231.604	6.3	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	46.34%
Pb 220.353	1.0	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	25.72%
Sb 206.836	2.7	0.0013	mg/L	0.00189	0.0013	mg/L	0.00189	150.94%
Se 196.026	-0.9	-0.0013	mg/L	0.00400	-0.0013	mg/L	0.00400	315.63%
Tl 190.801	0.5	0.0003	mg/L	0.00032	0.0003	mg/L	0.00032	110.58%
V 292.402	17.4	0.0002	mg/L	0.00036	0.0002	mg/L	0.00036	213.40%
Zn 206.200	92.7	0.0033	mg/L	0.00069	0.0033	mg/L	0.00069	20.91%
Na 330.237	-18.3	-0.0164	mg/L	0.15343	-0.0164	mg/L	0.15343	935.84%
Cd 226.502	6.8	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	60.12%
Ti 334.940	163.1	0.0003	mg/L	0.00016	0.0003	mg/L	0.00016	62.89%
Ca 227.546	15.3	0.0541	mg/L	0.01557	0.0541	mg/L	0.01557	28.79%

Sequence No.: 11
Sample ID: LCS-36914,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 6/6/2008 10:14:04 AM
Data Type: Reprocessed on 6/6/2008 1:23:58 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	187102.7	1.1974	mg/L	0.02690	1.1974	mg/L	0.02690	2.25%
Al 308.215	267856.5	9.5837	mg/L	0.18975	9.5837	mg/L	0.18975	1.98%
As 188.979	699.4	0.5035	mg/L	0.00110	0.5035	mg/L	0.00110	0.22%
Ba 233.527	566823.9	9.8509	mg/L	0.10300	9.8509	mg/L	0.10300	1.05%
Be 313.107	449121.6	0.2509	mg/L	0.00494	0.2509	mg/L	0.00494	1.97%
Co 228.616	84067.2	2.5374	mg/L	0.05234	2.5374	mg/L	0.05234	2.06%
Cr 267.716	60908.1	0.9972	mg/L	0.02581	0.9972	mg/L	0.02581	2.59%
Cu 324.752	208896.0	1.1842	mg/L	0.03016	1.1842	mg/L	0.03016	2.55%
Fe 273.955	152912.5	5.0363	mg/L	0.09810	5.0363	mg/L	0.09810	1.95%
Mg 279.077	534218.2	24.765	mg/L	0.4941	24.765	mg/L	0.4941	2.00%
Mn 257.610	1356411.6	2.5112	mg/L	0.05612	2.5112	mg/L	0.05612	2.23%
Ni 231.604	69391.7	2.5285	mg/L	0.06459	2.5285	mg/L	0.06459	2.55%
Pb 220.353	2685.9	0.5080	mg/L	0.00027	0.5080	mg/L	0.00027	0.05%
Sb 206.836	1136.4	0.5129	mg/L	0.00064	0.5129	mg/L	0.00064	0.12%
Se 196.026	358.8	0.5171	mg/L	0.00698	0.5171	mg/L	0.00698	1.35%
Tl 190.801	875.0	0.5121	mg/L	0.00020	0.5121	mg/L	0.00020	0.04%
V 292.402	250365.6	2.4291	mg/L	0.03382	2.4291	mg/L	0.03382	1.39%
Zn 206.200	72209.3	2.5727	mg/L	0.04983	2.5727	mg/L	0.04983	1.94%
Na 330.237	24878.5	22.443	mg/L	0.3968	22.443	mg/L	0.3968	1.77%
Cd 226.502	9546.5	0.2586	mg/L	0.00269	0.2586	mg/L	0.00269	1.04%
Ti 334.940	101.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	69.00%
Ca 227.546	6892.9	23.720	mg/L	0.0508	23.720	mg/L	0.0508	0.21%

Sequence No.: 12
Sample ID: G0859-01C,36914

Autosampler Location: 40
Date Collected: 6/6/2008 10:17:15 AM

Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 6/6/2008 1:23:58 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0859-01C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	541.6	0.0035	mg/L	0.00042	0.0035	mg/L	0.00042	12.21%
Al 308.215	3703.5	0.1304	mg/L	0.00469	0.1304	mg/L	0.00469	3.60%
As 188.979	1.0	0.0010	mg/L	0.00040	0.0010	mg/L	0.00040	40.72%
Ba 233.527	2533.0	0.0440	mg/L	0.00013	0.0440	mg/L	0.00013	0.30%
Be 313.107	-44.6	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	64.04%
Co 228.616	22.1	0.0007	mg/L	0.00002	0.0007	mg/L	0.00002	2.75%
Cr 267.716	1014.5	0.0166	mg/L	0.00004	0.0166	mg/L	0.00004	0.26%
Cu 324.752	923.7	0.0052	mg/L	0.00037	0.0052	mg/L	0.00037	7.10%
Fe 273.955	11026.7	0.3632	mg/L	0.00206	0.3632	mg/L	0.00206	0.57%
Mg 279.077	74391.2	3.4491	mg/L	0.00781	3.4491	mg/L	0.00781	0.23%
Mn 257.610	16177.0	0.0299	mg/L	0.00004	0.0299	mg/L	0.00004	0.14%
Ni 231.604	320.6	0.0118	mg/L	0.00024	0.0118	mg/L	0.00024	2.05%
Pb 220.353	5.0	0.0009	mg/L	0.00047	0.0009	mg/L	0.00047	50.71%
Sb 206.836	3.5	0.0014	mg/L	0.00166	0.0014	mg/L	0.00166	121.36%
Se 196.026	0.2	0.0001	mg/L	0.00171	0.0001	mg/L	0.00171	>999.9%
Tl 190.801	0.1	0.0002	mg/L	0.00087	0.0002	mg/L	0.00087	398.84%
V 292.402	75.8	0.0008	mg/L	0.00025	0.0008	mg/L	0.00025	31.92%
Zn 206.200	552.1	0.0197	mg/L	0.00030	0.0197	mg/L	0.00030	1.53%
Na 330.237	10035.3	9.0524	mg/L	0.05964	9.0524	mg/L	0.05964	0.66%
Cd 226.502	1.2	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	165.37%
Ti 334.940	1880.0	0.0031	mg/L	0.00008	0.0031	mg/L	0.00008	2.58%
Ca 227.546	3861.5	13.383	mg/L	0.0463	13.383	mg/L	0.0463	0.35%

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Sequence No.: 13
Sample ID: G0859-02C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 6/6/2008 10:20:20 AM
Data Type: Reprocessed on 6/6/2008 1:23:59 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0859-02C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	533.0	0.0034	mg/L	0.00013	0.0034	mg/L	0.00013	3.74%
Al 308.215	557.1	0.0200	mg/L	0.00027	0.0200	mg/L	0.00027	1.34%
As 188.979	2.7	0.0019	mg/L	0.00050	0.0019	mg/L	0.00050	25.92%
Ba 233.527	43.1	0.0007	mg/L	0.00007	0.0007	mg/L	0.00007	9.67%
Be 313.107	-49.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	81.20%
Co 228.616	2.1	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	103.81%
Cr 267.716	22.4	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	19.26%
Cu 324.752	486.3	0.0028	mg/L	0.00017	0.0028	mg/L	0.00017	5.99%
Fe 273.955	443.6	0.0146	mg/L	0.00037	0.0146	mg/L	0.00037	2.50%
Mg 279.077	119.4	0.0055	mg/L	0.00089	0.0055	mg/L	0.00089	16.14%
Mn 257.610	943.0	0.0017	mg/L	0.00006	0.0017	mg/L	0.00006	3.17%
Ni 231.604	15.0	0.0005	mg/L	0.00017	0.0005	mg/L	0.00017	30.78%
Pb 220.353	-2.4	-0.0005	mg/L	0.00042	-0.0005	mg/L	0.00042	92.11%
Sb 206.836	0.8	0.0003	mg/L	0.00054	0.0003	mg/L	0.00054	156.28%
Se 196.026	-1.8	-0.0025	mg/L	0.00365	-0.0025	mg/L	0.00365	144.68%
Tl 190.801	0.1	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	151.47%
V 292.402	-1.4	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	636.39%
Zn 206.200	1467.4	0.0522	mg/L	0.00012	0.0522	mg/L	0.00012	0.23%
Na 330.237	-9.6	-0.0086	mg/L	0.08495	-0.0086	mg/L	0.08495	988.93%
Cd 226.502	5.8	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	7.82%
Ti 334.940	94.6	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	12.77%
Ca 227.546	6.2	0.0216	mg/L	0.01062	0.0216	mg/L	0.01062	49.15%

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Sequence No.: 14
Sample ID: G0859-03C,36914
Analyst:

Autosampler Location: 42
Date Collected: 6/6/2008 10:23:25 AM
Data Type: Reprocessed on 6/6/2008 1:23:59 PM

Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: G0859-03C,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	350.2	0.0022	mg/L	0.00009	0.0022	mg/L	0.00009	4.03%
Al 308.215	1125.7	0.0381	mg/L	0.00423	0.0381	mg/L	0.00423	11.12%
As 188.979	3.3	0.0025	mg/L	0.00060	0.0025	mg/L	0.00060	23.88%
Ba 233.527	1955.6	0.0340	mg/L	0.00015	0.0340	mg/L	0.00015	0.43%
Be 313.107	-42.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	74.43%
Co 228.616	7.1	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	48.26%
Cr 267.716	428.8	0.0070	mg/L	0.00006	0.0070	mg/L	0.00006	0.82%
Cu 324.752	537.6	0.0030	mg/L	0.00014	0.0030	mg/L	0.00014	4.71%
Fe 273.955	3944.8	0.1299	mg/L	0.00148	0.1299	mg/L	0.00148	1.14%
Mg 279.077	61211.6	2.8380	mg/L	0.02554	2.8380	mg/L	0.02554	0.90%
Mn 257.610	3719.8	0.0068	mg/L	0.00008	0.0068	mg/L	0.00008	1.13%
Ni 231.604	143.0	0.0053	mg/L	0.00007	0.0053	mg/L	0.00007	1.34%
Pb 220.353	2.9	0.0006	mg/L	0.00029	0.0006	mg/L	0.00029	52.58%
Sb 206.836	1.6	0.0006	mg/L	0.00114	0.0006	mg/L	0.00114	183.35%
Se 196.026	0.4	0.0004	mg/L	0.00270	0.0004	mg/L	0.00270	658.61%
Tl 190.801	-1.4	-0.0007	mg/L	0.00113	-0.0007	mg/L	0.00113	168.00%
V 292.402	36.5	0.0004	mg/L	0.00020	0.0004	mg/L	0.00020	54.46%
Zn 206.200	391.9	0.0140	mg/L	0.00017	0.0140	mg/L	0.00017	1.22%
Na 330.237	12432.6	11.216	mg/L	0.2055	11.216	mg/L	0.2055	1.83%
Cd 226.502	7.2	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	89.12%
Ti 334.940	222.5	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	8.32%
Ca 227.546	3769.3	13.060	mg/L	0.0581	13.060	mg/L	0.0581	0.44%

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Sequence No.: 15 Autosampler Location: 43
Sample ID: G0859-03CSD,36914 Date Collected: 6/6/2008 10:26:30 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:24:00 PM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: G0859-03CSD,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	41.2	0.0003	mg/L	0.00016	0.0003	mg/L	0.00016	59.51%
Al 308.215	625.3	0.0220	mg/L	0.00029	0.0220	mg/L	0.00029	1.33%
As 188.979	-0.3	-0.0002	mg/L	0.00250	-0.0002	mg/L	0.00250	>999.9%
Ba 233.527	402.2	0.0070	mg/L	0.00007	0.0070	mg/L	0.00007	1.07%
Be 313.107	-23.8	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	83.98%
Co 228.616	3.5	0.0001	mg/L	0.00019	0.0001	mg/L	0.00019	157.96%
Cr 267.716	92.3	0.0015	mg/L	0.00019	0.0015	mg/L	0.00019	12.60%
Cu 324.752	256.8	0.0015	mg/L	0.00020	0.0015	mg/L	0.00020	13.52%
Fe 273.955	828.4	0.0273	mg/L	0.00067	0.0273	mg/L	0.00067	2.44%
Mg 279.077	12487.1	0.5790	mg/L	0.00167	0.5790	mg/L	0.00167	0.29%
Mn 257.610	722.9	0.0013	mg/L	0.00002	0.0013	mg/L	0.00002	1.37%
Ni 231.604	25.3	0.0009	mg/L	0.00018	0.0009	mg/L	0.00018	18.77%
Pb 220.353	-6.4	-0.0012	mg/L	0.00024	-0.0012	mg/L	0.00024	20.23%
Sb 206.836	-0.6	-0.0003	mg/L	0.00235	-0.0003	mg/L	0.00235	784.41%
Se 196.026	2.3	0.0032	mg/L	0.00283	0.0032	mg/L	0.00283	87.65%
Tl 190.801	-1.5	-0.0009	mg/L	0.00058	-0.0009	mg/L	0.00058	65.59%
V 292.402	4.7	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	68.91%
Zn 206.200	161.0	0.0057	mg/L	0.00010	0.0057	mg/L	0.00010	1.80%
Na 330.237	2243.7	2.0239	mg/L	0.07666	2.0239	mg/L	0.07666	3.79%
Cd 226.502	2.6	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	72.20%
Ti 334.940	27.8	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	19.31%
Ca 227.546	718.8	2.4906	mg/L	0.00488	2.4906	mg/L	0.00488	0.20%

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Sequence No.: 16 Autosampler Location: 3
Sample ID: CCV Date Collected: 6/6/2008 10:29:35 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:24:00 PM
Logged In Analyst (Original) : optima3

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	200211.1	1.2813	mg/L	0.01114	1.2813	mg/L	0.01114	0.87%
Al 308.215	283047.4	10.127	mg/L	0.0732	10.127	mg/L	0.0732	0.72%
As 188.979	741.7	0.5341	mg/L	0.00170	0.5341	mg/L	0.00170	0.32%
Ba 233.527	623695.6	10.839	mg/L	0.0796	10.839	mg/L	0.0796	0.73%
Be 313.107	470650.9	0.2629	mg/L	0.00239	0.2629	mg/L	0.00239	0.91%
Co 228.616	90893.7	2.7435	mg/L	0.02696	2.7435	mg/L	0.02696	0.98%
Cr 267.716	65680.6	1.0754	mg/L	0.01010	1.0754	mg/L	0.01010	0.94%
Cu 324.752	224131.9	1.2706	mg/L	0.00767	1.2706	mg/L	0.00767	0.60%
Fe 273.955	163544.6	5.3864	mg/L	0.03122	5.3864	mg/L	0.03122	0.58%
Mg 279.077	577696.1	26.781	mg/L	0.2783	26.781	mg/L	0.2783	1.04%
Mn 257.610	1423345.2	2.6350	mg/L	0.03133	2.6350	mg/L	0.03133	1.19%
Ni 231.604	75152.0	2.7384	mg/L	0.01832	2.7384	mg/L	0.01832	0.67%
Pb 220.353	2791.5	0.5280	mg/L	0.00040	0.5280	mg/L	0.00040	0.08%
Sb 206.836	1136.5	0.5118	mg/L	0.00162	0.5118	mg/L	0.00162	0.32%
Se 196.026	363.1	0.5233	mg/L	0.00878	0.5233	mg/L	0.00878	1.68%
Tl 190.801	897.4	0.5250	mg/L	0.00083	0.5250	mg/L	0.00083	0.16%
V 292.402	268816.7	2.6082	mg/L	0.02543	2.6082	mg/L	0.02543	0.98%
Zn 206.200	75933.0	2.7054	mg/L	0.01568	2.7054	mg/L	0.01568	0.58%
Na 330.237	26699.1	24.086	mg/L	0.1349	24.086	mg/L	0.1349	0.56%
Cd 226.502	9813.7	0.2658	mg/L	0.00197	0.2658	mg/L	0.00197	0.74%
Ti 334.940	47.8	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	99.21%
Ca 227.546	7242.9	24.918	mg/L	0.0294	24.918	mg/L	0.0294	0.12%

Sequence No.: 17 Autosampler Location: 4
Sample ID: CCB Date Collected: 6/6/2008 10:32:46 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:24:01 PM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	72.5	0.0005	mg/L	0.00027	0.0005	mg/L	0.00027	57.61%
Al 308.215	450.1	0.0161	mg/L	0.00201	0.0161	mg/L	0.00201	12.45%
As 188.979	0.9	0.0007	mg/L	0.00018	0.0007	mg/L	0.00018	27.22%
Ba 233.527	18.5	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.02%
Be 313.107	-65.4	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	91.17%
Co 228.616	8.5	0.0003	mg/L	0.00015	0.0003	mg/L	0.00015	57.31%
Cr 267.716	9.4	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	7.13%
Cu 324.752	350.2	0.0020	mg/L	0.00029	0.0020	mg/L	0.00029	14.80%
Fe 273.955	36.6	0.0012	mg/L	0.00017	0.0012	mg/L	0.00017	13.98%
Mg 279.077	-21.3	-0.0010	mg/L	0.00087	-0.0010	mg/L	0.00087	88.31%
Mn 257.610	39.6	0.0001	mg/L	0.00000	0.0001	mg/L	0.00000	1.69%
Ni 231.604	3.7	0.0001	mg/L	0.00032	0.0001	mg/L	0.00032	239.05%
Pb 220.353	1.5	0.0003	mg/L	0.00016	0.0003	mg/L	0.00016	57.83%
Sb 206.836	-0.5	-0.0003	mg/L	0.00132	-0.0003	mg/L	0.00132	524.98%
Se 196.026	-0.9	-0.0013	mg/L	0.00323	-0.0013	mg/L	0.00323	250.19%
Tl 190.801	0.4	0.0002	mg/L	0.00072	0.0002	mg/L	0.00072	343.40%
V 292.402	1.7	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	>999.9%
Zn 206.200	25.3	0.0009	mg/L	0.00005	0.0009	mg/L	0.00005	5.40%
Na 330.237	-79.3	-0.0716	mg/L	0.02823	-0.0716	mg/L	0.02823	39.41%
Cd 226.502	2.5	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	148.31%
Ti 334.940	-17.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	71.60%
Ca 227.546	-6.4	-0.0222	mg/L	0.00015	-0.0222	mg/L	0.00015	0.66%

Sequence No.: 18 Autosampler Location: 44
Sample ID: G0846-02C,36914 Date Collected: 6/6/2008 10:35:53 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:24:01 PM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: G0846-02C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	351.9	0.0022	mg/L	0.00005	0.0022	mg/L	0.00005	2.09%
Al 308.215	976.4	0.0321	mg/L	0.00166	0.0321	mg/L	0.00166	5.17%
As 188.979	-0.7	-0.0002	mg/L	0.00076	-0.0002	mg/L	0.00076	314.94%
Ba 233.527	2590.4	0.0450	mg/L	0.00011	0.0450	mg/L	0.00011	0.25%
Be 313.107	-86.8	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	59.24%
Co 228.616	10.5	0.0004	mg/L	0.00019	0.0004	mg/L	0.00019	47.13%
Cr 267.716	827.8	0.0136	mg/L	0.00001	0.0136	mg/L	0.00001	0.05%
Cu 324.752	985.3	0.0056	mg/L	0.00025	0.0056	mg/L	0.00025	4.42%
Fe 273.955	2410.5	0.0794	mg/L	0.00239	0.0794	mg/L	0.00239	3.01%
Mg 279.077	112426.7	5.2126	mg/L	0.02634	5.2126	mg/L	0.02634	0.51%
Mn 257.610	9950.6	0.0183	mg/L	0.00005	0.0183	mg/L	0.00005	0.25%
Ni 231.604	276.7	0.0102	mg/L	0.00001	0.0102	mg/L	0.00001	0.05%
Pb 220.353	17.8	0.0034	mg/L	0.00067	0.0034	mg/L	0.00067	19.93%
Sb 206.836	2.2	0.0008	mg/L	0.00100	0.0008	mg/L	0.00100	123.15%
Se 196.026	-1.4	-0.0022	mg/L	0.00244	-0.0022	mg/L	0.00244	109.00%
Tl 190.801	-0.7	-0.0002	mg/L	0.00041	-0.0002	mg/L	0.00041	216.24%
V 292.402	32.1	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	10.84%
Zn 206.200	760.4	0.0271	mg/L	0.00027	0.0271	mg/L	0.00027	0.98%
Na 330.237	11465.7	10.339	mg/L	0.1947	10.339	mg/L	0.1947	1.88%
Cd 226.502	8.7	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	9.47%
Ti 334.940	80.5	0.0002	mg/L	0.00018	0.0002	mg/L	0.00018	83.51%
Ca 227.546	4527.3	15.684	mg/L	0.0619	15.684	mg/L	0.0619	0.39%

Sequence No.: 19
Sample ID: G0846-02CDUP,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/6/2008 10:38:58 AM
Data Type: Reprocessed on 6/6/2008 1:24:02 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CDUP,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	249.5	0.0016	mg/L	0.00015	0.0016	mg/L	0.00015	9.69%
Al 308.215	1031.8	0.0340	mg/L	0.00608	0.0340	mg/L	0.00608	17.88%
As 188.979	-0.2	0.0001	mg/L	0.00073	0.0001	mg/L	0.00073	581.26%
Ba 233.527	2624.3	0.0456	mg/L	0.00141	0.0456	mg/L	0.00141	3.09%
Be 313.107	-99.3	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	46.89%
Co 228.616	6.1	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	14.59%
Cr 267.716	843.6	0.0138	mg/L	0.00009	0.0138	mg/L	0.00009	0.63%
Cu 324.752	828.3	0.0047	mg/L	0.00050	0.0047	mg/L	0.00050	10.68%
Fe 273.955	9293.5	0.3061	mg/L	0.00311	0.3061	mg/L	0.00311	1.02%
Mg 279.077	111175.8	5.1546	mg/L	0.08292	5.1546	mg/L	0.08292	1.61%
Mn 257.610	10298.9	0.0190	mg/L	0.00012	0.0190	mg/L	0.00012	0.62%
Ni 231.604	273.9	0.0101	mg/L	0.00001	0.0101	mg/L	0.00001	0.14%
Pb 220.353	15.0	0.0028	mg/L	0.00052	0.0028	mg/L	0.00052	18.48%
Sb 206.836	1.6	0.0005	mg/L	0.00004	0.0005	mg/L	0.00004	7.56%
Se 196.026	-1.7	-0.0026	mg/L	0.00013	-0.0026	mg/L	0.00013	5.02%
Tl 190.801	0.1	0.0003	mg/L	0.00045	0.0003	mg/L	0.00045	158.83%
V 292.402	14.8	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	86.76%
Zn 206.200	720.5	0.0257	mg/L	0.00007	0.0257	mg/L	0.00007	0.27%
Na 330.237	11346.5	10.231	mg/L	0.1314	10.231	mg/L	0.1314	1.28%
Cd 226.502	3.2	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	195.86%
Ti 334.940	-9.9	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	176.69%
Ca 227.546	4565.0	15.819	mg/L	0.0709	15.819	mg/L	0.0709	0.45%

Sequence No.: 20
Sample ID: G0846-02CMS,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 6/6/2008 10:42:03 AM
Data Type: Reprocessed on 6/6/2008 1:24:02 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CMS,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	8742.7	0.0560	mg/L	0.00086	0.0560	mg/L	0.00086	1.53%
Al 308.215	60587.0	2.1662	mg/L	0.04640	2.1662	mg/L	0.04640	2.14%
As 188.979	65.9	0.0482	mg/L	0.00055	0.0482	mg/L	0.00055	1.14%
Ba 233.527	139672.7	2.4274	mg/L	0.04650	2.4274	mg/L	0.04650	1.92%
Be 313.107	103139.8	0.0576	mg/L	0.00117	0.0576	mg/L	0.00117	2.02%
Co 228.616	19960.0	0.6025	mg/L	0.01266	0.6025	mg/L	0.01266	2.10%
Cr 267.716	14901.6	0.2440	mg/L	0.00425	0.2440	mg/L	0.00425	1.74%
Cu 324.752	50760.1	0.2877	mg/L	0.00433	0.2877	mg/L	0.00433	1.50%
Fe 273.955	38059.6	1.2535	mg/L	0.03140	1.2535	mg/L	0.03140	2.50%
Mg 279.077	113803.4	5.2756	mg/L	0.12123	5.2756	mg/L	0.12123	2.30%
Mn 257.610	326392.2	0.6043	mg/L	0.01450	0.6043	mg/L	0.01450	2.40%
Ni 231.604	16916.5	0.6165	mg/L	0.01185	0.6165	mg/L	0.01185	1.92%
Pb 220.353	145.0	0.0274	mg/L	0.00069	0.0274	mg/L	0.00069	2.51%
Sb 206.836	250.6	0.1127	mg/L	0.00166	0.1127	mg/L	0.00166	1.47%
Se 196.026	9.5	0.0135	mg/L	0.00355	0.0135	mg/L	0.00355	26.27%
Tl 190.801	100.6	0.0586	mg/L	0.00054	0.0586	mg/L	0.00054	0.92%
V 292.402	57623.8	0.5591	mg/L	0.00955	0.5591	mg/L	0.00955	1.71%
Zn 206.200	17422.2	0.6207	mg/L	0.01544	0.6207	mg/L	0.01544	2.49%
Na 330.237	11828.6	10.666	mg/L	0.1804	10.666	mg/L	0.1804	1.69%
Cd 226.502	202.8	0.0056	mg/L	0.00014	0.0056	mg/L	0.00014	2.57%
Ti 334.940	108.2	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	5.21%
Ca 227.546	4594.0	15.879	mg/L	0.0810	15.879	mg/L	0.0810	0.51%

Sequence No.: 21
Sample ID: G0846-02CSD,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 6/6/2008 10:45:09 AM
Data Type: Reprocessed on 6/6/2008 1:24:03 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CSD,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	19.7	0.0001	mg/L	0.00019	0.0001	mg/L	0.00019	152.51%
Al 308.215	484.5	0.0168	mg/L	0.00325	0.0168	mg/L	0.00325	19.32%
As 188.979	0.0	0.0001	mg/L	0.00122	0.0001	mg/L	0.00122	>999.9%
Ba 233.527	533.3	0.0093	mg/L	0.00009	0.0093	mg/L	0.00009	0.98%
Be 313.107	-105.8	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	88.78%
Co 228.616	2.9	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	30.53%
Cr 267.716	171.2	0.0028	mg/L	0.00010	0.0028	mg/L	0.00010	3.64%
Cu 324.752	263.6	0.0015	mg/L	0.00003	0.0015	mg/L	0.00003	1.71%
Fe 273.955	483.8	0.0159	mg/L	0.00056	0.0159	mg/L	0.00056	3.49%
Mg 279.077	22504.8	1.0434	mg/L	0.01604	1.0434	mg/L	0.01604	1.54%
Mn 257.610	2025.0	0.0037	mg/L	0.00007	0.0037	mg/L	0.00007	1.81%
Ni 231.604	53.0	0.0019	mg/L	0.00008	0.0019	mg/L	0.00008	4.25%
Pb 220.353	5.3	0.0010	mg/L	0.00019	0.0010	mg/L	0.00019	18.90%
Sb 206.836	1.4	0.0006	mg/L	0.00065	0.0006	mg/L	0.00065	111.43%
Se 196.026	-1.2	-0.0017	mg/L	0.00085	-0.0017	mg/L	0.00085	48.71%
Tl 190.801	1.5	0.0009	mg/L	0.00018	0.0009	mg/L	0.00018	19.00%
V 292.402	-4.8	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	239.01%
Zn 206.200	226.0	0.0081	mg/L	0.00014	0.0081	mg/L	0.00014	1.69%
Na 330.237	2061.7	1.8587	mg/L	0.09131	1.8587	mg/L	0.09131	4.91%
Cd 226.502	1.8	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	344.84%
Ti 334.940	-26.5	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	119.21%
Ca 227.546	861.7	2.9851	mg/L	0.03156	2.9851	mg/L	0.03156	1.06%

Sequence No.: 22
Sample ID: CRI
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/6/2008 10:48:15 AM
Data Type: Reprocessed on 6/6/2008 1:24:03 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	3293.7	0.0211	mg/L	0.00028	0.0211	mg/L	0.00028	1.32%
Al 308.215	405.2	0.0141	mg/L	0.00003	0.0141	mg/L	0.00003	0.24%
As 188.979	28.2	0.0202	mg/L	0.00048	0.0202	mg/L	0.00048	2.38%
Ba 233.527	-5.9	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	293.73%
Be 313.107	18015.7	0.0101	mg/L	0.00002	0.0101	mg/L	0.00002	0.20%
Co 228.616	3867.7	0.1167	mg/L	0.00041	0.1167	mg/L	0.00041	0.35%
Cr 267.716	1313.0	0.0215	mg/L	0.00014	0.0215	mg/L	0.00014	0.67%
Cu 324.752	9249.6	0.0524	mg/L	0.00013	0.0524	mg/L	0.00013	0.25%
Fe 273.955	48.1	0.0016	mg/L	0.00015	0.0016	mg/L	0.00015	9.60%
Mg 279.077	-11.7	-0.0006	mg/L	0.00149	-0.0006	mg/L	0.00149	240.48%
Mn 257.610	18373.7	0.0340	mg/L	0.00023	0.0340	mg/L	0.00023	0.69%
Ni 231.604	2514.6	0.0916	mg/L	0.00004	0.0916	mg/L	0.00004	0.04%
Pb 220.353	33.9	0.0064	mg/L	0.00038	0.0064	mg/L	0.00038	5.96%
Sb 206.836	238.0	0.1102	mg/L	0.00101	0.1102	mg/L	0.00101	0.92%
Se 196.026	1.6	0.0023	mg/L	0.00696	0.0023	mg/L	0.00696	303.93%
Tl 190.801	36.2	0.0211	mg/L	0.00082	0.0211	mg/L	0.00082	3.87%
V 292.402	10657.7	0.1034	mg/L	0.00006	0.1034	mg/L	0.00006	0.06%
Zn 206.200	1267.0	0.0451	mg/L	0.00006	0.0451	mg/L	0.00006	0.14%
Na 330.237	-114.2	-0.1033	mg/L	0.07712	-0.1033	mg/L	0.07712	74.69%
Cd 226.502	406.2	0.0110	mg/L	0.00000	0.0110	mg/L	0.00000	0.03%
Ti 334.940	-47.0	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	38.44%
Ca 227.546	-9.9	-0.0444	mg/L	0.00602	-0.0444	mg/L	0.00602	13.55%

Sequence No.: 23
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/6/2008 10:51:19 AM
Data Type: Reprocessed on 6/6/2008 1:24:04 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-501.7	-0.0032	mg/L	0.00013	-0.0032	mg/L	0.00013	4.11%
Al 308.215	12997836.6	465.79	mg/L	4.344	465.79	mg/L	4.344	0.93%
As 188.979	-9.4	0.0007	mg/L	0.00295	0.0007	mg/L	0.00295	399.63%
Ba 233.527	97.7	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	94.18%
Be 313.107	-125.7	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	37.15%
Co 228.616	104.8	0.0079	mg/L	0.00002	0.0079	mg/L	0.00002	0.30%
Cr 267.716	63.2	0.0022	mg/L	0.00002	0.0022	mg/L	0.00002	1.13%
Cu 324.752	-1610.6	-0.0026	mg/L	0.00011	-0.0026	mg/L	0.00011	4.27%
Fe 273.955	5224203.8	172.06	mg/L	1.685	172.06	mg/L	1.685	0.98%
Mg 279.077	9709661.1	450.19	mg/L	4.705	450.19	mg/L	4.705	1.05%
Mn 257.610	7672.4	0.0052	mg/L	0.00016	0.0052	mg/L	0.00016	3.04%
Saturated outside survey window (code 6)								
Ni 231.604	106.6	0.0138	mg/L	0.00031	0.0138	mg/L	0.00031	2.25%
Pb 220.353	-90.1	-0.0022	mg/L	0.00233	-0.0022	mg/L	0.00233	105.10%
Sb 206.836	14.1	0.0039	mg/L	0.00024	0.0039	mg/L	0.00024	6.08%
Se 196.026	-52.2	-0.0084	mg/L	0.00743	-0.0084	mg/L	0.00743	88.17%
Tl 190.801	-34.9	0.0019	mg/L	0.00203	0.0019	mg/L	0.00203	105.91%
V 292.402	-1063.9	-0.0017	mg/L	0.00025	-0.0017	mg/L	0.00025	14.43%
Zn 206.200	168.3	0.0086	mg/L	0.00012	0.0086	mg/L	0.00012	1.44%
Na 330.237	402.3	-0.4168	mg/L	0.01089	-0.4168	mg/L	0.01089	2.61%
Cd 226.502	241.6	-0.0018	mg/L	0.00034	-0.0018	mg/L	0.00034	19.34%
Ti 334.940	2402.3	0.0065	mg/L	0.00011	0.0065	mg/L	0.00011	1.70%
Ca 227.546	140137.0	488.80	mg/L	0.048	488.80	mg/L	0.048	0.01%

Sequence No.: 24
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/6/2008 10:54:34 AM
Data Type: Reprocessed on 6/6/2008 1:24:04 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ag 328.068	29961.4	0.1917	mg/L	0.00073	0.1917	mg/L	0.00073	0.38%
Al 308.215	12848515.6	460.43	mg/L	1.443	460.43	mg/L	1.443	0.31%
As 188.979	114.7	0.0912	mg/L	0.00002	0.0912	mg/L	0.00002	0.02%
Ba 233.527	27371.2	0.4745	mg/L	0.00395	0.4745	mg/L	0.00395	0.83%
Be 313.107	802961.7	0.4484	mg/L	0.00061	0.4484	mg/L	0.00061	0.14%
Co 228.616	14118.6	0.4308	mg/L	0.00061	0.4308	mg/L	0.00061	0.14%
Cr 267.716	27463.3	0.4510	mg/L	0.00172	0.4510	mg/L	0.00172	0.38%
Cu 324.752	83191.3	0.4781	mg/L	0.00229	0.4781	mg/L	0.00229	0.48%
Fe 273.955	5181594.4	170.66	mg/L	0.614	170.66	mg/L	0.614	0.36%
Mg 279.077	9614832.2	445.79	mg/L	1.680	445.79	mg/L	1.680	0.38%
Mn 257.610	253799.8	0.4610	mg/L	0.00111	0.4610	mg/L	0.00111	0.24%
Ni 231.604	23180.2	0.8545	mg/L	0.00186	0.8545	mg/L	0.00186	0.22%
Pb 220.353	144.7	0.0419	mg/L	0.00086	0.0419	mg/L	0.00086	2.04%
Sb 206.836	1172.2	0.5343	mg/L	0.00533	0.5343	mg/L	0.00533	1.00%
Se 196.026	-11.6	0.0490	mg/L	0.00770	0.0490	mg/L	0.00770	15.70%
Tl 190.801	116.5	0.0902	mg/L	0.00070	0.0902	mg/L	0.00070	0.77%
V 292.402	45636.0	0.4516	mg/L	0.00188	0.4516	mg/L	0.00188	0.42%
Zn 206.200	23733.4	0.8484	mg/L	0.00474	0.8484	mg/L	0.00474	0.56%
Na 330.237	643.0	-0.2056	mg/L	0.00916	-0.2056	mg/L	0.00916	4.45%
Cd 226.502	31735.9	0.8503	mg/L	0.00200	0.8503	mg/L	0.00200	0.24%
Ti 334.940	2432.0	0.0064	mg/L	0.00006	0.0064	mg/L	0.00006	0.90%
Ca 227.546	141700.6	494.12	mg/L	1.193	494.12	mg/L	1.193	0.24%

Sequence No.: 25
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/6/2008 10:57:47 AM
Data Type: Reprocessed on 6/6/2008 1:24:05 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ag 328.068	194143.1	1.2425	mg/L	0.01603	1.2425	mg/L	0.01603	1.29%
Al 308.215	276505.9	9.8928	mg/L	0.15942	9.8928	mg/L	0.15942	1.61%
As 188.979	727.6	0.5239	mg/L	0.00221	0.5239	mg/L	0.00221	0.42%
Ba 233.527	610065.0	10.602	mg/L	0.1035	10.602	mg/L	0.1035	0.98%
Be 313.107	464145.5	0.2593	mg/L	0.00356	0.2593	mg/L	0.00356	1.37%
Co 228.616	88432.9	2.6692	mg/L	0.04802	2.6692	mg/L	0.04802	1.80%
Cr 267.716	63657.7	1.0422	mg/L	0.01689	1.0422	mg/L	0.01689	1.62%
Cu 324.752	218388.1	1.2380	mg/L	0.01892	1.2380	mg/L	0.01892	1.53%
Fe 273.955	159716.3	5.2604	mg/L	0.08723	5.2604	mg/L	0.08723	1.66%
Mg 279.077	566111.7	26.244	mg/L	0.3525	26.244	mg/L	0.3525	1.34%
Mn 257.610	1403361.6	2.5981	mg/L	0.03199	2.5981	mg/L	0.03199	1.23%
Ni 231.604	72980.3	2.6592	mg/L	0.04232	2.6592	mg/L	0.04232	1.59%
Pb 220.353	2755.8	0.5212	mg/L	0.00071	0.5212	mg/L	0.00071	0.14%
Sb 206.836	1126.2	0.5076	mg/L	0.00302	0.5076	mg/L	0.00302	0.60%
Se 196.026	355.3	0.5120	mg/L	0.00449	0.5120	mg/L	0.00449	0.88%
Tl 190.801	885.0	0.5178	mg/L	0.00105	0.5178	mg/L	0.00105	0.20%
V 292.402	263790.5	2.5594	mg/L	0.03401	2.5594	mg/L	0.03401	1.33%
Zn 206.200	74073.4	2.6392	mg/L	0.04377	2.6392	mg/L	0.04377	1.66%
Na 330.237	25934.1	23.395	mg/L	0.2832	23.395	mg/L	0.2832	1.21%
Cd 226.502	9698.4	0.2627	mg/L	0.00170	0.2627	mg/L	0.00170	0.65%
Ti 334.940	55.6	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	80.22%
Ca 227.546	7202.3	24.782	mg/L	0.0259	24.782	mg/L	0.0259	0.10%

Sequence No.: 26
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/6/2008 11:00:59 AM
Data Type: Reprocessed on 6/6/2008 1:24:05 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	66.1	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	10.39%
Al 308.215	334.8	0.0120	mg/L	0.00038	0.0120	mg/L	0.00038	3.16%
As 188.979	1.5	0.0011	mg/L	0.00048	0.0011	mg/L	0.00048	43.69%
Ba 233.527	19.2	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	20.66%
Be 313.107	-21.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	10.52%
Co 228.616	2.6	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	115.49%
Cr 267.716	3.1	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	280.30%
Cu 324.752	436.0	0.0025	mg/L	0.00026	0.0025	mg/L	0.00026	10.50%
Fe 273.955	69.9	0.0023	mg/L	0.00014	0.0023	mg/L	0.00014	6.12%
Mg 279.077	95.4	0.0044	mg/L	0.00141	0.0044	mg/L	0.00141	31.87%
Mn 257.610	29.2	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	36.95%
Ni 231.604	5.8	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	8.65%
Pb 220.353	-0.7	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	27.26%
Sb 206.836	-0.1	-0.0001	mg/L	0.00065	-0.0001	mg/L	0.00065	>999.9%
Se 196.026	-0.2	-0.0002	mg/L	0.00191	-0.0002	mg/L	0.00191	824.23%
Tl 190.801	1.2	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	17.86%
V 292.402	23.3	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	88.76%
Zn 206.200	26.8	0.0010	mg/L	0.00006	0.0010	mg/L	0.00006	6.52%
Na 330.237	-95.6	-0.0863	mg/L	0.04741	-0.0863	mg/L	0.04741	54.91%
Cd 226.502	-0.6	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	371.86%
Ti 334.940	19.3	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	296.07%
Ca 227.546	3.4	0.0119	mg/L	0.01933	0.0119	mg/L	0.01933	162.42%

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Sequence No.: 27
Sample ID: G0846-02CPDS,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Se @ 10ppb

Autosampler Location: 48
Date Collected: 6/6/2008 11:04:14 AM
Data Type: Reprocessed on 6/6/2008 1:24:06 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CPDS,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	952.5	0.0061	mg/L	0.00027	0.0061	mg/L	0.00027	4.43%
Al 308.215	754.7	0.0237	mg/L	0.00112	0.0237	mg/L	0.00112	4.73%
As 188.979	31.8	0.0230	mg/L	0.00039	0.0230	mg/L	0.00039	1.69%
Ba 233.527	2478.6	0.0432	mg/L	0.00064	0.0432	mg/L	0.00064	1.48%
Be 313.107	19434.7	0.0109	mg/L	0.00014	0.0109	mg/L	0.00014	1.33%
Co 228.616	3776.5	0.1141	mg/L	0.00140	0.1141	mg/L	0.00140	1.22%
Cr 267.716	2135.5	0.0350	mg/L	0.00066	0.0350	mg/L	0.00066	1.90%
Cu 324.752	10336.1	0.0586	mg/L	0.00006	0.0586	mg/L	0.00006	0.11%
Fe 273.955	2445.9	0.0806	mg/L	0.00219	0.0806	mg/L	0.00219	2.72%
Mg 279.077	109011.7	5.0542	mg/L	0.05269	5.0542	mg/L	0.05269	1.04%
Mn 257.610	28149.3	0.0520	mg/L	0.00048	0.0520	mg/L	0.00048	0.92%
Ni 231.604	2729.2	0.0995	mg/L	0.00008	0.0995	mg/L	0.00008	0.08%
Pb 220.353	50.8	0.0096	mg/L	0.00001	0.0096	mg/L	0.00001	0.08%
Sb 206.836	247.8	0.1145	mg/L	0.00049	0.1145	mg/L	0.00049	0.43%
Se 196.026	8.1	0.0115	mg/L	0.00032	0.0115	mg/L	0.00032	2.79%
Tl 190.801	38.5	0.0227	mg/L	0.00057	0.0227	mg/L	0.00057	2.52%
V 292.402	10898.6	0.1057	mg/L	0.00130	0.1057	mg/L	0.00130	1.23%
Zn 206.200	2050.9	0.0731	mg/L	0.00093	0.0731	mg/L	0.00093	1.27%
Na 330.237	11278.3	10.170	mg/L	0.0490	10.170	mg/L	0.0490	0.48%
Cd 226.502	416.6	0.0113	mg/L	0.00000	0.0113	mg/L	0.00000	0.01%
Ti 334.940	-28.7	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	297.77%
Ca 227.546	4463.0	15.451	mg/L	0.1314	15.451	mg/L	0.1314	0.85%

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Sequence No.: 28
Sample ID: G0846-03C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/6/2008 11:07:21 AM
Data Type: Reprocessed on 6/6/2008 1:24:06 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-03C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	172.7	0.0011	mg/L	0.00010	0.0011	mg/L	0.00010	9.32%
Al 308.215	454.0	0.0163	mg/L	0.00332	0.0163	mg/L	0.00332	20.37%
As 188.979	4.0	0.0029	mg/L	0.00242	0.0029	mg/L	0.00242	84.22%
Ba 233.527	279.9	0.0049	mg/L	0.00002	0.0049	mg/L	0.00002	0.32%
Be 313.107	-52.5	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	100.52%
Co 228.616	4.6	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	20.04%
Cr 267.716	29.9	0.0005	mg/L	0.00012	0.0005	mg/L	0.00012	23.96%
Cu 324.752	470.1	0.0027	mg/L	0.00004	0.0027	mg/L	0.00004	1.61%
Fe 273.955	2677.7	0.0882	mg/L	0.00127	0.0882	mg/L	0.00127	1.44%
Mg 279.077	243.2	0.0113	mg/L	0.00374	0.0113	mg/L	0.00374	33.15%
Mn 257.610	946.1	0.0018	mg/L	0.00003	0.0018	mg/L	0.00003	1.83%
Ni 231.604	7.3	0.0003	mg/L	0.00028	0.0003	mg/L	0.00028	107.46%
Pb 220.353	1.4	0.0003	mg/L	0.00041	0.0003	mg/L	0.00041	153.37%
Sb 206.836	2.0	0.0009	mg/L	0.00088	0.0009	mg/L	0.00088	93.90%
Se 196.026	0.8	0.0012	mg/L	0.00023	0.0012	mg/L	0.00023	18.65%
Tl 190.801	0.7	0.0004	mg/L	0.00016	0.0004	mg/L	0.00016	36.80%
V 292.402	-6.5	-0.0001	mg/L	0.00035	-0.0001	mg/L	0.00035	591.04%
Zn 206.200	378.7	0.0135	mg/L	0.00002	0.0135	mg/L	0.00002	0.14%
Na 330.237	14.3	0.0136	mg/L	0.03971	0.0136	mg/L	0.03971	291.53%
Cd 226.502	4.2	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	30.87%
Ti 334.940	434.9	0.0007	mg/L	0.00011	0.0007	mg/L	0.00011	15.61%
Ca 227.546	2.0	0.0085	mg/L	0.02927	0.0085	mg/L	0.02927	345.33%

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Sequence No.: 29
Sample ID: G0846-04C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 6/6/2008 11:10:28 AM
Data Type: Reprocessed on 6/6/2008 1:24:07 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-04C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	119.5	0.0008	mg/L	0.00018	0.0008	mg/L	0.00018	23.82%
Al 308.215	2248.3	0.0781	mg/L	0.00457	0.0781	mg/L	0.00457	5.86%
As 188.979	0.8	0.0008	mg/L	0.00026	0.0008	mg/L	0.00026	33.56%
Ba 233.527	4152.7	0.0722	mg/L	0.00004	0.0722	mg/L	0.00004	0.05%
Be 313.107	-27.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	58.99%
Co 228.616	16.0	0.0005	mg/L	0.00003	0.0005	mg/L	0.00003	4.87%
Cr 267.716	1017.2	0.0167	mg/L	0.00001	0.0167	mg/L	0.00001	0.04%
Cu 324.752	596.2	0.0034	mg/L	0.00020	0.0034	mg/L	0.00020	5.90%
Fe 273.955	5446.8	0.1794	mg/L	0.00018	0.1794	mg/L	0.00018	0.10%
Mg 279.077	87637.8	4.0633	mg/L	0.04091	4.0633	mg/L	0.04091	1.01%
Mn 257.610	9996.0	0.0184	mg/L	0.00011	0.0184	mg/L	0.00011	0.57%
Ni 231.604	381.7	0.0140	mg/L	0.00023	0.0140	mg/L	0.00023	1.65%
Pb 220.353	5.8	0.0011	mg/L	0.00041	0.0011	mg/L	0.00041	37.22%
Sb 206.836	-0.1	-0.0003	mg/L	0.00046	-0.0003	mg/L	0.00046	136.41%
Se 196.026	-0.1	-0.0003	mg/L	0.00178	-0.0003	mg/L	0.00178	525.61%
Tl 190.801	-2.4	-0.0012	mg/L	0.00023	-0.0012	mg/L	0.00023	18.41%
V 292.402	60.8	0.0006	mg/L	0.00016	0.0006	mg/L	0.00016	25.13%
Zn 206.200	545.9	0.0195	mg/L	0.00008	0.0195	mg/L	0.00008	0.40%
Na 330.237	14525.5	13.108	mg/L	0.0127	13.108	mg/L	0.0127	0.10%
Cd 226.502	1.0	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	217.54%
Ti 334.940	1133.1	0.0019	mg/L	0.00001	0.0019	mg/L	0.00001	0.42%
Ca 227.546	3898.6	13.508	mg/L	0.0548	13.508	mg/L	0.0548	0.41%

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Sequence No.: 30
Sample ID: G0846-05C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 6/6/2008 11:13:33 AM
Data Type: Reprocessed on 6/6/2008 1:24:07 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-05C,36914

Analyte	Mean Corrected	Calib	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Ag 328.068	121.0	0.0008	mg/L	0.00038	0.0008	mg/L	0.00038	48.92%
Al 308.215	2710.6	0.0947	mg/L	0.00753	0.0947	mg/L	0.00753	7.96%
As 188.979	5.5	0.0042	mg/L	0.00293	0.0042	mg/L	0.00293	69.82%
Ba 233.527	4237.5	0.0736	mg/L	0.00131	0.0736	mg/L	0.00131	1.78%
Be 313.107	-16.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	310.32%
Co 228.616	22.4	0.0007	mg/L	0.00008	0.0007	mg/L	0.00008	11.06%
Cr 267.716	1099.9	0.0180	mg/L	0.00013	0.0180	mg/L	0.00013	0.70%
Cu 324.752	530.3	0.0030	mg/L	0.00018	0.0030	mg/L	0.00018	5.90%
Fe 273.955	5971.6	0.1967	mg/L	0.00216	0.1967	mg/L	0.00216	1.10%
Mg 279.077	90057.7	4.1754	mg/L	0.03668	4.1754	mg/L	0.03668	0.88%
Mn 257.610	10900.2	0.0201	mg/L	0.00011	0.0201	mg/L	0.00011	0.55%
Ni 231.604	406.0	0.0149	mg/L	0.00001	0.0149	mg/L	0.00001	0.05%
Pb 220.353	7.8	0.0015	mg/L	0.00006	0.0015	mg/L	0.00006	3.80%
Sb 206.836	4.0	0.0016	mg/L	0.00006	0.0016	mg/L	0.00006	3.65%
Se 196.026	3.0	0.0042	mg/L	0.00528	0.0042	mg/L	0.00528	125.65%
Tl 190.801	1.1	0.0008	mg/L	0.00034	0.0008	mg/L	0.00034	42.16%
V 292.402	84.2	0.0009	mg/L	0.00009	0.0009	mg/L	0.00009	10.30%
Zn 206.200	547.3	0.0195	mg/L	0.00010	0.0195	mg/L	0.00010	0.49%
Na 330.237	14881.1	13.430	mg/L	0.0186	13.430	mg/L	0.0186	0.14%
Cd 226.502	41.6	0.0011	mg/L	0.00005	0.0011	mg/L	0.00005	4.83%
Ti 334.940	1433.0	0.0023	mg/L	0.00042	0.0023	mg/L	0.00042	17.87%
Ca 227.546	3916.7	13.571	mg/L	0.0590	13.571	mg/L	0.0590	0.43%

Sequence No.: 31
Sample ID: G0846-06C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 6/6/2008 11:16:38 AM
Data Type: Reprocessed on 6/6/2008 1:24:08 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-06C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	58.0	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	36.87%
Al 308.215	1163.5	0.0374	mg/L	0.00040	0.0374	mg/L	0.00040	1.08%
As 188.979	-0.2	0.0002	mg/L	0.00201	0.0002	mg/L	0.00201	>999.9%
Ba 233.527	4357.0	0.0757	mg/L	0.00052	0.0757	mg/L	0.00052	0.68%
Be 313.107	-17.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	80.65%
Co 228.616	8.1	0.0004	mg/L	0.00016	0.0004	mg/L	0.00016	42.89%
Cr 267.716	627.1	0.0103	mg/L	0.00008	0.0103	mg/L	0.00008	0.78%
Cu 324.752	723.6	0.0041	mg/L	0.00008	0.0041	mg/L	0.00008	2.07%
Fe 273.955	2742.3	0.0903	mg/L	0.00045	0.0903	mg/L	0.00045	0.50%
Mg 279.077	140576.7	6.5178	mg/L	0.03377	6.5178	mg/L	0.03377	0.52%
Mn 257.610	8204.0	0.0151	mg/L	0.00006	0.0151	mg/L	0.00006	0.42%
Ni 231.604	236.3	0.0087	mg/L	0.00002	0.0087	mg/L	0.00002	0.22%
Pb 220.353	7.8	0.0015	mg/L	0.00137	0.0015	mg/L	0.00137	92.66%
Sb 206.836	-0.0	-0.0002	mg/L	0.00160	-0.0002	mg/L	0.00160	832.73%
Se 196.026	1.2	0.0014	mg/L	0.00236	0.0014	mg/L	0.00236	165.16%
Tl 190.801	-3.5	-0.0018	mg/L	0.00001	-0.0018	mg/L	0.00001	0.52%
V 292.402	28.8	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	45.67%
Zn 206.200	592.5	0.0211	mg/L	0.00045	0.0211	mg/L	0.00045	2.14%
Na 330.237	9052.2	8.1471	mg/L	0.04558	8.1471	mg/L	0.04558	0.56%
Cd 226.502	-0.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	103.59%
Ti 334.940	365.0	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	19.04%
Ca 227.546	6950.8	24.080	mg/L	0.2120	24.080	mg/L	0.2120	0.88%

Sequence No.: 32
Sample ID: G0846-07C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 6/6/2008 11:19:44 AM
Data Type: Reprocessed on 6/6/2008 1:24:08 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-07C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Ag 328.068	42.3	0.0003 mg/L	0.00020	0.0003 mg/L	0.00020	74.59%
Al 308.215	1175.6	0.0391 mg/L	0.00143	0.0391 mg/L	0.00143	3.65%
As 188.979	1.1	0.0010 mg/L	0.00264	0.0010 mg/L	0.00264	252.62%
Ba 233.527	2937.8	0.0510 mg/L	0.00114	0.0510 mg/L	0.00114	2.24%
Be 313.107	-38.4	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	31.28%
Co 228.616	20.3	0.0007 mg/L	0.00001	0.0007 mg/L	0.00001	1.82%
Cr 267.716	702.1	0.0115 mg/L	0.00010	0.0115 mg/L	0.00010	0.83%
Cu 324.752	336.2	0.0019 mg/L	0.00038	0.0019 mg/L	0.00038	20.54%
Fe 273.955	3710.0	0.1222 mg/L	0.00011	0.1222 mg/L	0.00011	0.09%
Mg 279.077	57272.4	2.6554 mg/L	0.02347	2.6554 mg/L	0.02347	0.88%
Mn 257.610	10894.2	0.0201 mg/L	0.00004	0.0201 mg/L	0.00004	0.18%
Ni 231.604	252.4	0.0093 mg/L	0.00006	0.0093 mg/L	0.00006	0.69%
Pb 220.353	0.9	0.0002 mg/L	0.00009	0.0002 mg/L	0.00009	54.71%
Sb 206.836	2.4	0.0009 mg/L	0.00137	0.0009 mg/L	0.00137	146.69%
Se 196.026	0.5	0.0004 mg/L	0.00246	0.0004 mg/L	0.00246	585.00%
Tl 190.801	0.4	0.0004 mg/L	0.00123	0.0004 mg/L	0.00123	291.33%
V 292.402	40.8	0.0004 mg/L	0.00018	0.0004 mg/L	0.00018	43.86%
Zn 206.200	424.0	0.0151 mg/L	0.00002	0.0151 mg/L	0.00002	0.10%
Na 330.237	24391.7	22.015 mg/L	0.0556	22.015 mg/L	0.0556	0.25%
Cd 226.502	57.7	0.0016 mg/L	0.00000	0.0016 mg/L	0.00000	0.25%
Ti 334.940	561.0	0.0010 mg/L	0.00005	0.0010 mg/L	0.00005	5.31%
Ca 227.546	5404.3	18.724 mg/L	0.0071	18.724 mg/L	0.0071	0.04%

Sequence No.: 33
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/6/2008 11:22:49 AM
Data Type: Reprocessed on 6/6/2008 1:24:09 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	189725.5	1.2142	mg/L	0.00466	1.2142	mg/L	0.00466	0.38%
Al 308.215	272937.2	9.7653	mg/L	0.02292	9.7653	mg/L	0.02292	0.23%
As 188.979	702.0	0.5055	mg/L	0.00139	0.5055	mg/L	0.00139	0.28%
Ba 233.527	574553.2	9.9853	mg/L	0.10115	9.9853	mg/L	0.10115	1.01%
Be 313.107	469350.4	0.2622	mg/L	0.00146	0.2622	mg/L	0.00146	0.56%
Co 228.616	87389.9	2.6377	mg/L	0.01393	2.6377	mg/L	0.01393	0.53%
Cr 267.716	61922.0	1.0137	mg/L	0.00310	1.0137	mg/L	0.00310	0.31%
Cu 324.752	206591.7	1.1711	mg/L	0.00631	1.1711	mg/L	0.00631	0.54%
Fe 273.955	157391.2	5.1838	mg/L	0.01427	5.1838	mg/L	0.01427	0.28%
Mg 279.077	562528.8	26.078	mg/L	0.1088	26.078	mg/L	0.1088	0.42%
Mn 257.610	1425940.5	2.6399	mg/L	0.00693	2.6399	mg/L	0.00693	0.26%
Ni 231.604	71464.7	2.6040	mg/L	0.00047	2.6040	mg/L	0.00047	0.02%
Pb 220.353	2760.9	0.5222	mg/L	0.00165	0.5222	mg/L	0.00165	0.32%
Sb 206.836	1095.2	0.4936	mg/L	0.00107	0.4936	mg/L	0.00107	0.22%
Se 196.026	360.9	0.5200	mg/L	0.00220	0.5200	mg/L	0.00220	0.42%
Tl 190.801	885.3	0.5182	mg/L	0.00048	0.5182	mg/L	0.00048	0.09%
V 292.402	254289.7	2.4672	mg/L	0.00293	2.4672	mg/L	0.00293	0.12%
Zn 206.200	74869.7	2.6675	mg/L	0.01105	2.6675	mg/L	0.01105	0.41%
Na 330.237	26001.9	23.457	mg/L	0.0851	23.457	mg/L	0.0851	0.36%
Cd 226.502	9855.8	0.2669	mg/L	0.00157	0.2669	mg/L	0.00157	0.59%
Ti 334.940	79.7	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	522.02%
Ca 227.546	7141.4	24.577	mg/L	0.0480	24.577	mg/L	0.0480	0.20%

Sequence No.: 34
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/6/2008 11:26:00 AM
Data Type: Reprocessed on 6/6/2008 1:24:09 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-9.0	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	169.98%

Al 308.215	-31.7	-0.0011 mg/L	0.00116	-0.0011 mg/L	0.00116	102.72%
As 188.979	0.0	0.0000 mg/L	0.00060	0.0000 mg/L	0.00060	>999.9%
Ba 233.527	16.1	0.0003 mg/L	0.00015	0.0003 mg/L	0.00015	53.45%
Be 313.107	-51.7	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	38.67%
Co 228.616	3.0	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	47.98%
Cr 267.716	0.8	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	186.74%
Cu 324.752	218.5	0.0012 mg/L	0.00010	0.0012 mg/L	0.00010	8.23%
Fe 273.955	27.9	0.0009 mg/L	0.00024	0.0009 mg/L	0.00024	26.49%
Mg 279.077	-24.0	-0.0011 mg/L	0.00209	-0.0011 mg/L	0.00209	187.56%
Mn 257.610	56.2	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	43.18%
Ni 231.604	6.4	0.0002 mg/L	0.00006	0.0002 mg/L	0.00006	24.68%
Pb 220.353	-2.3	-0.0004 mg/L	0.00006	-0.0004 mg/L	0.00006	14.37%
Sb 206.836	1.1	0.0005 mg/L	0.00033	0.0005 mg/L	0.00033	63.09%
Se 196.026	-0.8	-0.0012 mg/L	0.00130	-0.0012 mg/L	0.00130	112.54%
Tl 190.801	-0.1	-0.0001 mg/L	0.00065	-0.0001 mg/L	0.00065	936.55%
V 292.402	47.6	0.0005 mg/L	0.00002	0.0005 mg/L	0.00002	4.86%
Zn 206.200	22.6	0.0008 mg/L	0.00005	0.0008 mg/L	0.00005	5.95%
Na 330.237	48.0	0.0435 mg/L	0.06359	0.0435 mg/L	0.06359	146.32%
Cd 226.502	1.8	0.0000 mg/L	0.00005	0.0000 mg/L	0.00005	91.28%
Ti 334.940	14.3	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	43.04%
Ca 227.546	-8.8	-0.0304 mg/L	0.03653	-0.0304 mg/L	0.03653	120.10%

Sequence No.: 35
Sample ID: IPANDA1-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 6/6/2008 11:29:06 AM
Data Type: Reprocessed on 6/6/2008 1:24:10 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA1-36915,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	183161.6	1.1722	mg/L	0.02419	1.1722	mg/L	0.02419	2.06%
Al 308.215	265079.5	9.4844	mg/L	0.20469	9.4844	mg/L	0.20469	2.16%
As 188.979	685.2	0.4933	mg/L	0.00282	0.4933	mg/L	0.00282	0.57%
Ba 233.527	537499.5	9.3414	mg/L	0.19846	9.3414	mg/L	0.19846	2.12%
Be 313.107	450133.4	0.2514	mg/L	0.00296	0.2514	mg/L	0.00296	1.18%
Co 228.616	83188.1	2.5109	mg/L	0.05854	2.5109	mg/L	0.05854	2.33%
Cr 267.716	59722.1	0.9777	mg/L	0.01945	0.9777	mg/L	0.01945	1.99%
Cu 324.752	200703.3	1.1377	mg/L	0.01974	1.1377	mg/L	0.01974	1.74%
Fe 273.955	151256.4	4.9817	mg/L	0.11626	4.9817	mg/L	0.11626	2.33%
Mg 279.077	526734.3	24.418	mg/L	0.3080	24.418	mg/L	0.3080	1.26%
Mn 257.610	1362444.5	2.5223	mg/L	0.02271	2.5223	mg/L	0.02271	0.90%
Ni 231.604	68321.2	2.4895	mg/L	0.05948	2.4895	mg/L	0.05948	2.39%
Pb 220.353	2721.5	0.5148	mg/L	0.00242	0.5148	mg/L	0.00242	0.47%
Sb 206.836	1119.1	0.5052	mg/L	0.00309	0.5052	mg/L	0.00309	0.61%
Se 196.026	367.7	0.5298	mg/L	0.00711	0.5298	mg/L	0.00711	1.34%
Tl 190.801	884.9	0.5180	mg/L	0.00189	0.5180	mg/L	0.00189	0.37%
V 292.402	245822.6	2.3851	mg/L	0.05319	2.3851	mg/L	0.05319	2.23%
Zn 206.200	73030.1	2.6019	mg/L	0.07707	2.6019	mg/L	0.07707	2.96%
Na 330.237	24838.2	22.407	mg/L	0.3684	22.407	mg/L	0.3684	1.64%
Cd 226.502	9782.5	0.2649	mg/L	0.00782	0.2649	mg/L	0.00782	2.95%
Ti 334.940	28.5	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	51.50%
Ca 227.546	6909.8	23.781	mg/L	0.0596	23.781	mg/L	0.0596	0.25%

Sequence No.: 36
Sample ID: IPANDA2-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 6/6/2008 11:32:18 AM
Data Type: Reprocessed on 6/6/2008 1:24:10 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA2-36915,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	180358.9	1.1543	mg/L	0.01247	1.1543	mg/L	0.01247	1.08%
Al 308.215	261707.3	9.3637	mg/L	0.14302	9.3637	mg/L	0.14302	1.53%

As 188.979	677.1	0.4875 mg/L	0.00152	0.4875 mg/L	0.00152	0.31%
Ba 233.527	537108.3	9.3345 mg/L	0.08915	9.3345 mg/L	0.08915	0.96%
Be 313.107	445619.1	0.2489 mg/L	0.00178	0.2489 mg/L	0.00178	0.71%
Co 228.616	82118.9	2.4786 mg/L	0.03438	2.4786 mg/L	0.03438	1.39%
Cr 267.716	58749.1	0.9618 mg/L	0.01070	0.9618 mg/L	0.01070	1.11%
Cu 324.752	198538.8	1.1255 mg/L	0.01522	1.1255 mg/L	0.01522	1.35%
Fe 273.955	149805.2	4.9339 mg/L	0.07056	4.9339 mg/L	0.07056	1.43%
Mg 279.077	523110.2	24.251 mg/L	0.1425	24.251 mg/L	0.1425	0.59%
Mn 257.610	1349336.3	2.4981 mg/L	0.00803	2.4981 mg/L	0.00803	0.32%
Ni 231.604	67271.7	2.4512 mg/L	0.03051	2.4512 mg/L	0.03051	1.24%
Pb 220.353	2688.8	0.5086 mg/L	0.00170	0.5086 mg/L	0.00170	0.33%
Sb 206.836	1107.0	0.4998 mg/L	0.00132	0.4998 mg/L	0.00132	0.26%
Se 196.026	361.6	0.5210 mg/L	0.00065	0.5210 mg/L	0.00065	0.12%
Tl 190.801	868.3	0.5083 mg/L	0.00261	0.5083 mg/L	0.00261	0.51%
V 292.402	241638.3	2.3445 mg/L	0.02690	2.3445 mg/L	0.02690	1.15%
Zn 206.200	72061.8	2.5674 mg/L	0.04019	2.5674 mg/L	0.04019	1.57%
Na 330.237	24371.2	21.985 mg/L	0.2693	21.985 mg/L	0.2693	1.23%
Cd 226.502	9627.6	0.2607 mg/L	0.00423	0.2607 mg/L	0.00423	1.62%
Ti 334.940	57.5	0.0000 mg/L	0.00006	0.0000 mg/L	0.00006	132.09%
Ca 227.546	6821.5	23.478 mg/L	0.0093	23.478 mg/L	0.0093	0.04%

Sequence No.: 37
Sample ID: IPANDA3-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 6/6/2008 11:35:29 AM
Data Type: Reprocessed on 6/6/2008 1:24:11 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA3-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Ag 328.068	179313.6	1.1476	mg/L	0.00010	1.1476	mg/L	0.00010	0.01%
Al 308.215	261626.8	9.3605	mg/L	0.15951	9.3605	mg/L	0.15951	1.70%
As 188.979	685.6	0.4936	mg/L	0.00203	0.4936	mg/L	0.00203	0.41%
Ba 233.527	530470.1	9.2193	mg/L	0.28773	9.2193	mg/L	0.28773	3.12%
Be 313.107	453741.3	0.2535	mg/L	0.00236	0.2535	mg/L	0.00236	0.93%
Co 228.616	82201.5	2.4811	mg/L	0.04537	2.4811	mg/L	0.04537	1.83%
Cr 267.716	58424.1	0.9565	mg/L	0.00248	0.9565	mg/L	0.00248	0.26%
Cu 324.752	195631.1	1.1090	mg/L	0.00412	1.1090	mg/L	0.00412	0.37%
Fe 273.955	149193.0	4.9138	mg/L	0.08906	4.9138	mg/L	0.08906	1.81%
Mg 279.077	530278.7	24.583	mg/L	0.3607	24.583	mg/L	0.3607	1.47%
Mn 257.610	1376806.2	2.5489	mg/L	0.01801	2.5489	mg/L	0.01801	0.71%
Ni 231.604	67004.7	2.4415	mg/L	0.02047	2.4415	mg/L	0.02047	0.84%
Pb 220.353	2726.5	0.5157	mg/L	0.00213	0.5157	mg/L	0.00213	0.41%
Sb 206.836	1115.1	0.5037	mg/L	0.00228	0.5037	mg/L	0.00228	0.45%
Se 196.026	370.8	0.5342	mg/L	0.00408	0.5342	mg/L	0.00408	0.76%
Tl 190.801	884.1	0.5175	mg/L	0.00085	0.5175	mg/L	0.00085	0.16%
V 292.402	247437.3	2.4007	mg/L	0.03272	2.4007	mg/L	0.03272	1.36%
Zn 206.200	72242.2	2.5738	mg/L	0.06381	2.5738	mg/L	0.06381	2.48%
Na 330.237	24440.1	22.047	mg/L	0.3709	22.047	mg/L	0.3709	1.68%
Cd 226.502	9691.7	0.2625	mg/L	0.00822	0.2625	mg/L	0.00822	3.13%
Ti 334.940	195.9	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	19.63%
Ca 227.546	6886.3	23.700	mg/L	0.0293	23.700	mg/L	0.0293	0.12%

Sequence No.: 38
Sample ID: IPANDA4-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 6/6/2008 11:38:41 AM
Data Type: Reprocessed on 6/6/2008 1:24:11 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA4-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Ag 328.068	179935.9	1.1515	mg/L	0.00712	1.1515	mg/L	0.00712	0.62%
Al 308.215	262849.7	9.4046	mg/L	0.05060	9.4046	mg/L	0.05060	0.54%
As 188.979	675.1	0.4861	mg/L	0.00127	0.4861	mg/L	0.00127	0.26%

Ba 233.527	531856.1	9.2433	mg/L	0.01630	9.2433	mg/L	0.01630	0.18%
Be 313.107	452478.1	0.2527	mg/L	0.00112	0.2527	mg/L	0.00112	0.44%
Co 228.616	82427.4	2.4879	mg/L	0.01343	2.4879	mg/L	0.01343	0.54%
Cr 267.716	58630.7	0.9598	mg/L	0.00659	0.9598	mg/L	0.00659	0.69%
Cu 324.752	196112.5	1.1117	mg/L	0.00197	1.1117	mg/L	0.00197	0.18%
Fe 273.955	149747.5	4.9320	mg/L	0.02609	4.9320	mg/L	0.02609	0.53%
Mg 279.077	529133.3	24.530	mg/L	0.1276	24.530	mg/L	0.1276	0.52%
Mn 257.610	1373505.8	2.5428	mg/L	0.01208	2.5428	mg/L	0.01208	0.48%
Ni 231.604	67238.2	2.4500	mg/L	0.01270	2.4500	mg/L	0.01270	0.52%
Pb 220.353	2685.5	0.5079	mg/L	0.00125	0.5079	mg/L	0.00125	0.25%
Sb 206.836	1092.7	0.4932	mg/L	0.00106	0.4932	mg/L	0.00106	0.21%
Se 196.026	370.5	0.5338	mg/L	0.00784	0.5338	mg/L	0.00784	1.47%
Tl 190.801	873.9	0.5116	mg/L	0.00348	0.5116	mg/L	0.00348	0.68%
V 292.402	242015.2	2.3481	mg/L	0.01647	2.3481	mg/L	0.01647	0.70%
Zn 206.200	72689.2	2.5897	mg/L	0.01370	2.5897	mg/L	0.01370	0.53%
Na 330.237	25327.6	22.850	mg/L	0.1113	22.850	mg/L	0.1113	0.49%
Cd 226.502	9667.3	0.2618	mg/L	0.00117	0.2618	mg/L	0.00117	0.45%
Ti 334.940	183.5	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	50.36%
Ca 227.546	6841.9	23.549	mg/L	0.0888	23.549	mg/L	0.0888	0.38%

Sequence No.: 39
Sample ID: CRI
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/6/2008 11:41:56 AM
Data Type: Reprocessed on 6/6/2008 1:24:12 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	3228.9	0.0207	mg/L	0.00044	0.0207	mg/L	0.00044	2.11%
Al 308.215	-147.7	-0.0058	mg/L	0.00138	-0.0058	mg/L	0.00138	23.93%
As 188.979	28.0	0.0201	mg/L	0.00015	0.0201	mg/L	0.00015	0.77%
Ba 233.527	15.9	0.0004	mg/L	0.00012	0.0004	mg/L	0.00012	31.84%
Be 313.107	17970.3	0.0100	mg/L	0.00015	0.0100	mg/L	0.00015	1.48%
Co 228.616	3767.5	0.1137	mg/L	0.00240	0.1137	mg/L	0.00240	2.11%
Cr 267.716	1264.9	0.0207	mg/L	0.00005	0.0207	mg/L	0.00005	0.26%
Cu 324.752	8716.4	0.0494	mg/L	0.00167	0.0494	mg/L	0.00167	3.39%
Fe 273.955	69.4	0.0023	mg/L	0.00023	0.0023	mg/L	0.00023	10.07%
Mg 279.077	-14.7	-0.0008	mg/L	0.00029	-0.0008	mg/L	0.00029	38.55%
Mn 257.610	18506.2	0.0343	mg/L	0.00053	0.0343	mg/L	0.00053	1.54%
Ni 231.604	2453.2	0.0894	mg/L	0.00020	0.0894	mg/L	0.00020	0.22%
Pb 220.353	35.2	0.0067	mg/L	0.00018	0.0067	mg/L	0.00018	2.67%
Sb 206.836	229.7	0.1063	mg/L	0.00071	0.1063	mg/L	0.00071	0.67%
Se 196.026	5.9	0.0085	mg/L	0.00084	0.0085	mg/L	0.00084	9.87%
Tl 190.801	39.0	0.0228	mg/L	0.00043	0.0228	mg/L	0.00043	1.91%
V 292.402	10355.2	0.1004	mg/L	0.00251	0.1004	mg/L	0.00251	2.50%
Zn 206.200	1293.1	0.0461	mg/L	0.00016	0.0461	mg/L	0.00016	0.34%
Na 330.237	-48.1	-0.0436	mg/L	0.03617	-0.0436	mg/L	0.03617	82.88%
Cd 226.502	428.9	0.0116	mg/L	0.00003	0.0116	mg/L	0.00003	0.29%
Ti 334.940	-46.4	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	52.77%
Ca 227.546	10.7	0.0272	mg/L	0.03747	0.0272	mg/L	0.03747	137.99%

Sequence No.: 40
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/6/2008 11:45:00 AM
Data Type: Reprocessed on 6/6/2008 1:24:12 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-360.8	-0.0023	mg/L	0.00024	-0.0023	mg/L	0.00024	10.43%
Al 308.215	12842421.0	460.22	mg/L	6.556	460.22	mg/L	6.556	1.42%
As 188.979	-9.9	0.0003	mg/L	0.00564	0.0003	mg/L	0.00564	>999.9%
Ba 233.527	90.8	0.0000	mg/L	0.00014	0.0000	mg/L	0.00014	>999.9%

Be 313.107	-91.5	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	72.54%
Co 228.616	108.2	0.0080 mg/L	0.00017	0.0080 mg/L	0.00017	2.10%
Cr 267.716	74.5	0.0024 mg/L	0.00001	0.0024 mg/L	0.00001	0.42%
Cu 324.752	-1291.6	-0.0009 mg/L	0.00004	-0.0009 mg/L	0.00004	4.30%
Fe 273.955	5156695.6	169.84 mg/L	2.749	169.84 mg/L	2.749	1.62%
Mg 279.077	9593419.3	444.80 mg/L	7.570	444.80 mg/L	7.570	1.70%
Mn 257.610	7949.6	0.0058 mg/L	0.00013	0.0058 mg/L	0.00013	2.18%
Saturated outside survey window (code 6)						
Ni 231.604	104.2	0.0136 mg/L	0.00004	0.0136 mg/L	0.00004	0.30%
Pb 220.353	-82.9	-0.0010 mg/L	0.00005	-0.0010 mg/L	0.00005	4.56%
Sb 206.836	11.6	0.0028 mg/L	0.00040	0.0028 mg/L	0.00040	14.29%
Se 196.026	-41.6	0.0060 mg/L	0.00682	0.0060 mg/L	0.00682	113.54%
Tl 190.801	-30.3	0.0044 mg/L	0.00229	0.0044 mg/L	0.00229	52.23%
V 292.402	-1140.0	-0.0026 mg/L	0.00016	-0.0026 mg/L	0.00016	6.37%
Zn 206.200	171.3	0.0086 mg/L	0.00014	0.0086 mg/L	0.00014	1.61%
Na 330.237	501.1	-0.3193 mg/L	0.00396	-0.3193 mg/L	0.00396	1.24%
Cd 226.502	271.9	-0.0008 mg/L	0.00008	-0.0008 mg/L	0.00008	9.45%
Ti 334.940	2482.8	0.0066 mg/L	0.00003	0.0066 mg/L	0.00003	0.48%
Ca 227.546	138737.1	483.91 mg/L	0.706	483.91 mg/L	0.706	0.15%

Sequence No.: 41
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/6/2008 11:48:15 AM
Data Type: Reprocessed on 6/6/2008 1:24:13 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	28951.7	0.1853	mg/L	0.00267	0.1853	mg/L	0.00267	1.44%
Al 308.215	12719642.4	455.82	mg/L	2.567	455.82	mg/L	2.567	0.56%
As 188.979	110.0	0.0877	mg/L	0.00211	0.0877	mg/L	0.00211	2.41%
Ba 233.527	25003.7	0.4334	mg/L	0.00057	0.4334	mg/L	0.00057	0.13%
Be 313.107	804177.9	0.4491	mg/L	0.00319	0.4491	mg/L	0.00319	0.71%
Co 228.616	13851.1	0.4227	mg/L	0.00308	0.4227	mg/L	0.00308	0.73%
Cr 267.716	26414.5	0.4338	mg/L	0.00650	0.4338	mg/L	0.00650	1.50%
Cu 324.752	76987.7	0.4428	mg/L	0.00246	0.4428	mg/L	0.00246	0.56%
Fe 273.955	5124787.8	168.79	mg/L	1.134	168.79	mg/L	1.134	0.67%
Mg 279.077	9525982.4	441.67	mg/L	3.233	441.67	mg/L	3.233	0.73%
Mn 257.610	256807.3	0.4667	mg/L	0.00296	0.4667	mg/L	0.00296	0.63%
Ni 231.604	22477.0	0.8288	mg/L	0.01054	0.8288	mg/L	0.01054	1.27%
Pb 220.353	142.9	0.0414	mg/L	0.00053	0.0414	mg/L	0.00053	1.27%
Sb 206.836	1131.6	0.5157	mg/L	0.00481	0.5157	mg/L	0.00481	0.93%
Se 196.026	-15.4	0.0429	mg/L	0.00480	0.0429	mg/L	0.00480	11.18%
Tl 190.801	112.9	0.0878	mg/L	0.00263	0.0878	mg/L	0.00263	2.99%
V 292.402	44505.8	0.4405	mg/L	0.00652	0.4405	mg/L	0.00652	1.48%
Zn 206.200	24096.5	0.8613	mg/L	0.00140	0.8613	mg/L	0.00140	0.16%
Na 330.237	695.7	-0.1455	mg/L	0.00229	-0.1455	mg/L	0.00229	1.57%
Cd 226.502	32691.8	0.8762	mg/L	0.00213	0.8762	mg/L	0.00213	0.24%
Ti 334.940	2614.7	0.0067	mg/L	0.00022	0.0067	mg/L	0.00022	3.33%
Ca 227.546	139402.4	486.13	mg/L	1.930	486.13	mg/L	1.930	0.40%

Sequence No.: 42
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/6/2008 11:51:33 AM
Data Type: Reprocessed on 6/6/2008 1:24:13 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	194045.7	1.2419	mg/L	0.00811	1.2419	mg/L	0.00811	0.65%
Al 308.215	280527.9	10.037	mg/L	0.0643	10.037	mg/L	0.0643	0.64%
As 188.979	696.9	0.5019	mg/L	0.00694	0.5019	mg/L	0.00694	1.38%
Ba 233.527	558313.6	9.7032	mg/L	0.01180	9.7032	mg/L	0.01180	0.12%

Be 313.107	473539.0	0.2645 mg/L	0.00101	0.2645 mg/L	0.00101	0.38%
Co 228.616	89742.9	2.7087 mg/L	0.01616	2.7087 mg/L	0.01616	0.60%
Cr 267.716	63389.5	1.0378 mg/L	0.00920	1.0378 mg/L	0.00920	0.89%
Cu 324.752	208718.5	1.1832 mg/L	0.00847	1.1832 mg/L	0.00847	0.72%
Fe 273.955	162210.6	5.3425 mg/L	0.02688	5.3425 mg/L	0.02688	0.50%
Mg 279.077	566751.4	26.274 mg/L	0.0936	26.274 mg/L	0.0936	0.36%
Mn 257.610	1452737.8	2.6895 mg/L	0.01532	2.6895 mg/L	0.01532	0.57%
Ni 231.604	73423.3	2.6754 mg/L	0.01673	2.6754 mg/L	0.01673	0.63%
Pb 220.353	2804.0	0.5304 mg/L	0.00640	0.5304 mg/L	0.00640	1.21%
Sb 206.836	1098.6	0.4948 mg/L	0.00230	0.4948 mg/L	0.00230	0.47%
Se 196.026	375.9	0.5416 mg/L	0.01138	0.5416 mg/L	0.01138	2.10%
Tl 190.801	901.3	0.5274 mg/L	0.00455	0.5274 mg/L	0.00455	0.86%
V 292.402	262840.2	2.5502 mg/L	0.00917	2.5502 mg/L	0.00917	0.36%
Zn 206.200	78025.6	2.7799 mg/L	0.00867	2.7799 mg/L	0.00867	0.31%
Na 330.237	26649.2	24.042 mg/L	0.2048	24.042 mg/L	0.2048	0.85%
Cd 226.502	10282.3	0.2785 mg/L	0.00029	0.2785 mg/L	0.00029	0.11%
Ti 334.940	65.3	0.0000 mg/L	0.00008	0.0000 mg/L	0.00008	184.99%
Ca 227.546	7171.9	24.678 mg/L	0.1378	24.678 mg/L	0.1378	0.56%

Sequence No.: 43
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/6/2008 11:54:52 AM
Data Type: Reprocessed on 6/6/2008 1:24:14 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	75.3	0.0005	mg/L	0.00010	0.0005	mg/L	0.00010	21.03%
Al 308.215	-203.5	-0.0073	mg/L	0.00550	-0.0073	mg/L	0.00550	75.30%
As 188.979	1.8	0.0013	mg/L	0.00203	0.0013	mg/L	0.00203	156.47%
Ba 233.527	18.2	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	23.06%
Be 313.107	-13.8	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	143.34%
Co 228.616	6.2	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	82.80%
Cr 267.716	0.8	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	660.14%
Cu 324.752	426.7	0.0024	mg/L	0.00046	0.0024	mg/L	0.00046	18.93%
Fe 273.955	106.0	0.0035	mg/L	0.00035	0.0035	mg/L	0.00035	9.93%
Mg 279.077	150.7	0.0070	mg/L	0.00062	0.0070	mg/L	0.00062	8.92%
Mn 257.610	61.0	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	31.79%
Ni 231.604	7.5	0.0003	mg/L	0.00018	0.0003	mg/L	0.00018	64.78%
Pb 220.353	2.6	0.0005	mg/L	0.00066	0.0005	mg/L	0.00066	136.17%
Sb 206.836	-2.7	-0.0013	mg/L	0.00044	-0.0013	mg/L	0.00044	35.17%
Se 196.026	-2.0	-0.0028	mg/L	0.00651	-0.0028	mg/L	0.00651	230.28%
Tl 190.801	2.9	0.0017	mg/L	0.00175	0.0017	mg/L	0.00175	101.01%
V 292.402	29.0	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	51.40%
Zn 206.200	28.3	0.0010	mg/L	0.00002	0.0010	mg/L	0.00002	1.59%
Na 330.237	-28.9	-0.0262	mg/L	0.04487	-0.0262	mg/L	0.04487	171.47%
Cd 226.502	1.5	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	142.49%
Ti 334.940	-14.7	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	110.20%
Ca 227.546	2.6	0.0091	mg/L	0.01387	0.0091	mg/L	0.01387	152.05%

Sequence No.: 44
Sample ID: G0803-01G,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 6/6/2008 11:57:58 AM
Data Type: Reprocessed on 6/6/2008 1:24:14 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0803-01G,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	283.6	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	36.90%
Al 308.215	980.9	0.0184	mg/L	0.00114	0.0184	mg/L	0.00114	6.23%
As 188.979	-1.0	0.0010	mg/L	0.00116	0.0010	mg/L	0.00116	111.58%
Ba 233.527	11374.7	0.1974	mg/L	0.00013	0.1974	mg/L	0.00013	0.07%
Be 313.107	980.8	0.0005	mg/L	0.00000	0.0005	mg/L	0.00000	0.35%

H0806061 (4.1) ILM Hg AQ JRW 6/6/08 G0859 G0803 JS 6/6/08

Seq. No.	1	AS Loc:	1	Date:	6/ 6/08			
Sample ID:	S0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0003	0.0020	74.4635	0.0003	4.1369	10:16:32
			0.0003	0.0014	74.4626	0.0003	4.1368	10:17:04
Auto-zero performed.								
Mean:			0.0003					
SD:			0.00002					
%RSD:			8.31					

Seq. No.	2	AS Loc:	2	Date:	6/ 6/08			
Sample ID:	S0.2							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0026	0.0128	74.4598	0.0029	4.1366	10:17:58
			0.0026	0.0124	74.4570	0.0029	4.1365	10:18:30
[Hg] Standard number 1 applied. [0.20]								
Correlation Coefficient: 1.00000		Slope: 0.01319						
Intercept : 0.00000								
Mean:			0.0026					
SD:			0.00001					
%RSD:			0.26					

Seq. No.	3	AS Loc:	3	Date:	6/ 6/08			
Sample ID:	S1.0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0136	0.0566	74.4546	0.0139	4.1364	10:19:24
			0.0137	0.0567	74.4527	0.0140	4.1363	10:19:56
[Hg] Standard number 2 applied. [1.00]								
Correlation Coefficient: 0.99997		Slope: 0.01370						
Intercept : -0.00005								
Mean:			0.0137					
SD:			0.00007					
%RSD:			0.52					

Seq. No.	4	AS Loc:	4	Date:	6/ 6/08			
Sample ID:	S2.0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0195	0.0802	74.4498	0.0198	4.1361	10:20:49
			0.0196	0.0801	74.4477	0.0199	4.1360	10:21:21
[Hg] Standard number 3 applied. [2.00]								
Correlation Coefficient: 0.97941		Slope: 0.00992						
Intercept : 0.00103								
Mean:			0.0195					
SD:			0.00005					
%RSD:			0.26					

Seq. No.	5	AS Loc:	5	Date:	6/ 6/08			
Sample ID:	S5.0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0687	0.2804	74.4452	0.0690	4.1358	10:22:15
			0.0688	0.2793	74.4418	0.0691	4.1357	10:22:47
[Hg] Standard number 4 applied. [5.00]								
Correlation Coefficient: 0.99200		Slope: 0.01359						
Intercept : -0.00137								
Mean:			0.0687					
SD:			0.00010					
%RSD:			0.15					

Seq. No.	6	AS Loc:	6	Date:	6/ 6/08			
Sample ID:	S10.0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.1356	0.5521	74.4394	0.1359	4.1355	10:23:43
			0.1365	0.5548	74.4367	0.1368	4.1354	10:24:15
[Hg] Standard number 5 applied. [10.00]								
Correlation Coefficient: 0.99823		Slope: 0.01373						
Intercept : -0.00155								
Mean:			0.1361					
SD:			0.00062					
%RSD:			0.46					

Seq. No.	7	AS Loc:	7	Date:	6/ 6/08			
Sample ID:	ICV							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	2.17µg/L	2.17µg/L	0.0282	0.1167	74.4352	0.0285	4.1353	10:25:08
	2.19µg/L	2.19µg/L	0.0285	0.1159	74.4342	0.0288	4.1352	10:25:41
QC value within specified limits.								
Mean:	2.18µg/L ✓	2.18µg/L	0.0284					
SD:	0.02µg/L	0.02µg/L	0.00022					
%RSD:	0.74		0.78					

Seq. No.	8	AS Loc:	1	Date:	6/ 6/08			
Sample ID:	ICB							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.11µg/L	0.11µg/L	-0.0000	0.0009	74.4351	0.0003	4.1353	10:26:36
	0.11µg/L	0.11µg/L	-0.0000	0.0014	74.4349	0.0003	4.1353	10:27:08
QC value within specified limits.								
Mean:	0.11µg/L ✓	0.11µg/L	-0.0000					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.85		47.38					

Seq. No.	9	AS Loc:	17	Date:	6/ 6/08			
Sample ID:	CRA							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.30µg/L	0.30µg/L	0.0026	0.0114	74.4340	0.0029	4.1352	10:28:01
	0.30µg/L 150%	0.30µg/L	0.0026	0.0122	74.4340	0.0029	4.1352	10:28:33
Mean:	0.30µg/L ✓	0.30µg/L	0.0026					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	0.80		1.28					

Seq. No.	10	AS Loc:	18	Date:	6/ 6/08			
Sample ID:	CCV							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.19µg/L	5.19µg/L	0.0698	0.2848	74.4326	0.0701	4.1352	10:29:26
	5.22µg/L	5.22µg/L	0.0701	0.2842	74.4296	0.0704	4.1350	10:29:58
Mean:	5.21µg/L ✓	5.21µg/L	0.0700					
SD:	0.02µg/L	0.02µg/L	0.00026					
%RSD:	0.36		0.37					

Seq. No.	11	AS Loc:	19	Date:	6/ 6/08			
Sample ID:	CCB							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0001	0.0006	74.4321	0.0002	4.1351	10:30:51
	0.10µg/L	0.10µg/L	-0.0002	0.0003	74.4307	0.0001	4.1350	10:31:23

Mean:	0.10µg/L	0.10µg/L	-0.0001					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	1.04		10.00					

Seq. No.	12	AS Loc:	20	Date:	6/ 6/08			
Sample ID:	MB-36916							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.09µg/L	0.09µg/L	-0.0002	0.0001	74.4307	0.0000	4.1350	10:32:16
	0.09µg/L	0.09µg/L	-0.0003	-0.0001	74.4308	0.0000	4.1350	10:32:48
Mean:	0.09µg/L	0.09µg/L	-0.0003					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.59		3.05					

Seq. No.	13	AS Loc:	21	Date:	6/ 6/08			
Sample ID:	G0803-01G							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0004	74.4307	0.0001	4.1350	10:33:40
	0.10µg/L	0.10µg/L	-0.0002	0.0007	74.4308	0.0001	4.1351	10:34:12
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	2.28		16.24					

Seq. No.	14	AS Loc:	22	Date:	6/ 6/08			
Sample ID:	G0803-02G							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0007	74.4315	0.0001	4.1351	10:35:06
	0.10µg/L	0.10µg/L	-0.0002	0.0008	74.4321	0.0001	4.1351	10:35:37
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	1.07		7.58					

Seq. No.	15	AS Loc:	23	Date:	6/ 6/08			
Sample ID:	G0803-03G							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	-0.0001	74.4305	0.0000	4.1350	10:36:31
	0.10µg/L	0.10µg/L	-0.0002	0.0006	74.4322	0.0001	4.1351	10:37:03
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	1.97		11.73					

Seq. No.	16	AS Loc:	24	Date:	6/ 6/08			
Sample ID:	G0803-04G							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.09µg/L	0.09µg/L	-0.0003	-0.0001	74.4315	0.0000	4.1351	10:37:56
	0.10µg/L	0.10µg/L	-0.0002	0.0001	74.4315	0.0001	4.1351	10:38:28
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	2.42		13.10					

Seq. No.	17	AS Loc:	7	Date:	6/ 6/08			
Sample ID:	CCV							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.21µg/L	5.21µg/L	0.0699	0.2826	74.4321	0.0702	4.1351	10:39:22
	5.21µg/L	5.21µg/L	0.0700	0.2816	74.4307	0.0703	4.1350	10:39:55
QC value within specified limits.								
Mean:	5.21µg/L	5.21µg/L	0.0700					

SD:	0.00µg/L	0.00µg/L	0.00006
%RSD:	0.09		0.09

Seq. No. 18 AS Loc: 1 Date: 6/ 6/08
Sample ID: CCB

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.11µg/L	0.11µg/L	-0.0000	0.0007	74.4333	0.0003	4.1352	10:40:50
	0.12µg/L	0.12µg/L	0.0000	0.0012	74.4324	0.0003	4.1351	10:41:21
QC value within specified limits.								
Mean:	0.11µg/L	0.11µg/L	0.0000					
SD:	0.00µg/L	0.00µg/L	0.00004					
%RSD:	2.50		225.69					

Seq. No. 19 AS Loc: 25 Date: 6/ 6/08
Sample ID: G0803-08G

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0004	74.4335	0.0001	4.1352	10:42:17
	0.10µg/L	0.10µg/L	-0.0002	0.0002	74.4342	0.0001	4.1352	10:42:49
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.75		4.97					

Seq. No. 20 AS Loc: 26 Date: 6/ 6/08
Sample ID: G0846-02C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0000	74.4351	0.0001	4.1353	10:43:41
	0.10µg/L	0.10µg/L	-0.0002	0.0003	74.4354	0.0001	4.1353	10:44:13
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00002					
%RSD:	1.46		9.99					

Seq. No. 21 AS Loc: 27 Date: 6/ 6/08
Sample ID: G0846-02CDUP

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	-0.0004	74.4354	0.0001	4.1353	10:45:06
	0.10µg/L	0.10µg/L	-0.0001	0.0009	74.4378	0.0002	4.1354	10:45:38
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00006					
%RSD:	4.34		35.59					

Seq. No. 22 AS Loc: 28 Date: 6/ 6/08
Sample ID: G0846-02CMS

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	1.10µg/L	1.10µg/L	0.0136	0.0557	74.4388	0.0139	4.1355	10:46:31
	1.10µg/L	1.10µg/L	0.0135	0.0551	74.4390	0.0138	4.1355	10:47:03
Mean:	1.10µg/L	1.10µg/L	0.0135					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	0.23		0.26					

Seq. No. 23 AS Loc: 29 Date: 6/ 6/08
Sample ID: G0846-03C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.09µg/L	0.09µg/L	-0.0003	-0.0002	74.4395	0.0000	4.1355	10:47:56
	0.09µg/L	0.09µg/L	-0.0003	-0.0002	74.4407	0.0000	4.1356	10:48:28
Mean:	0.09µg/L	0.09µg/L	-0.0003					
SD:	0.00µg/L	0.00µg/L	0.00000					

%RSD: 0.27 1.28

Seq. No. 24 AS Loc: 30 Date: 6/ 6/08
Sample ID: G0846-04C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0003	74.4423	0.0001	4.1357	10:49:21
	0.10µg/L	0.10µg/L	-0.0002	0.0000	74.4423	0.0001	4.1357	10:49:53
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.72		4.94					

Seq. No. 25 AS Loc: 31 Date: 6/ 6/08
Sample ID: G0846-05C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0001	0.0005	74.4431	0.0001	4.1357	10:50:46
	0.10µg/L	0.10µg/L	-0.0001	0.0003	74.4434	0.0001	4.1357	10:51:19
Mean:	0.10µg/L	0.10µg/L	-0.0001					
SD:	0.00µg/L	0.00µg/L	0.00000					
%RSD:	0.18		1.73					

Seq. No. 26 AS Loc: 32 Date: 6/ 6/08
Sample ID: G0846-06C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0001	0.0012	74.4464	0.0002	4.1359	10:52:15
	0.10µg/L	0.10µg/L	-0.0002	0.0001	74.4461	0.0001	4.1359	10:52:47
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00004					
%RSD:	3.11		28.22					

Seq. No. 27 AS Loc: 7 Date: 6/ 6/08
Sample ID: CCV

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.26µg/L	5.26µg/L	0.0707	0.2846	74.4464	0.0710	4.1359	10:53:43
	5.26µg/L	5.26µg/L	0.0707	0.2842	74.4462	0.0710	4.1359	10:54:15
QC value within specified limits.								
Mean:	5.26µg/L	5.26µg/L	0.0707					
SD:	0.00µg/L	0.00µg/L	0.00000					
%RSD:	0.00		0.00					

Seq. No. 28 AS Loc: 1 Date: 6/ 6/08
Sample ID: CCB

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.11µg/L	0.11µg/L	0.0000	0.0003	74.4488	0.0003	4.1360	10:55:09
	0.12µg/L	0.12µg/L	0.0001	0.0015	74.4515	0.0004	4.1362	10:55:41
QC value within specified limits.								
Mean:	0.12µg/L	0.12µg/L	0.0000					
SD:	0.00µg/L	0.00µg/L	0.00004					
%RSD:	2.45		86.57					

Seq. No. 29 AS Loc: 33 Date: 6/ 6/08
Sample ID: G0846-07C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0001	74.4516	0.0001	4.1362	10:56:34
	0.10µg/L	0.10µg/L	-0.0002	0.0000	74.4526	0.0001	4.1363	10:57:06
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00002					

%RSD: 1.19 9.75

Seq. No. 30 AS Loc: 34 Date: 6/ 6/08
Sample ID: G0859-01C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0002	74.4543	0.0001	4.1363	10:58:03
	0.10µg/L	0.10µg/L	-0.0002	0.0001	74.4543	0.0001	4.1364	10:58:35
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.89		6.16					

Seq. No. 31 AS Loc: 35 Date: 6/ 6/08
Sample ID: G0859-02C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.11µg/L	0.11µg/L	-0.0001	0.0008	74.4553	0.0002	4.1364	10:59:28
	0.11µg/L	0.11µg/L	-0.0001	0.0008	74.4560	0.0002	4.1364	11:00:00
Mean:	0.11µg/L	0.11µg/L	-0.0001					
SD:	0.00µg/L	0.00µg/L	0.00002					
%RSD:	1.19		25.22					

Seq. No. 32 AS Loc: 36 Date: 6/ 6/08
Sample ID: G0859-03C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.09µg/L	0.09µg/L	-0.0003	-0.0001	74.4562	0.0000	4.1365	11:00:52
	0.09µg/L	0.09µg/L	-0.0003	-0.0002	74.4571	0.0000	4.1365	11:01:24
Mean:	0.09µg/L	0.09µg/L	-0.0003					
SD:	0.00µg/L	0.00µg/L	0.00000					
%RSD:	0.08		0.41					

Seq. No. 33 AS Loc: 7 Date: 6/ 6/08
Sample ID: CCV

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.28µg/L	5.28µg/L	0.0709	0.2847	74.4571	0.0712	4.1365	11:02:19
	5.29µg/L	5.29µg/L	0.0711	0.2867	74.4568	0.0714	4.1365	11:02:51
QC value within specified limits.								
Mean:	5.28µg/L ✓	5.28µg/L	0.0710					
SD:	0.01µg/L	0.01µg/L	0.00017					
%RSD:	0.23		0.24					

Seq. No. 34 AS Loc: 1 Date: 6/ 6/08
Sample ID: CCB

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.12µg/L	0.12µg/L	0.0001	0.0015	74.4589	0.0004	4.1366	11:03:46
	0.12µg/L	0.12µg/L	0.0001	0.0010	74.4607	0.0003	4.1367	11:04:18
QC value within specified limits.								
Mean:	0.12µg/L ✓	0.12µg/L	0.0001					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	1.76		39.65					

Prep Logbooks

- [x] ICP
- [x] Mercury
- [ ] Cyanide
- [ ] Percent Solids

ILM 4.1 Ag 9:50 - 13:50 **MITKEM LABORATORIES: Aqueous Metals Preparation Logbook** L0846

Date	Sample ID		Client ID	Sample Vol (ml)	pH	Sample Color Before	Clarity Before	Conc. HNO_3 (ml)	Conc. HCl (ml)	1:1 HCl (ml)	Sample Color After	Sample Clarity After	Final Volume (ml)	Comments	Analyst
6/5/08	MB-36914		—	50	—	—	—	0.5	2.5	—	—	—	50		BV/NAB
	LCS-36914		—	50	—	—	—				—	—	50		
	L0803	01F	SW05 2808	50	<2	Pale Yellow	clear				colorless	clear	50		
		01H	SW05 2808	50	<2	Pale Yellow	clear				colorless	clear	50		
		02G	SW5 052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		02H	SW5 052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		03G	SW6 052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		03H	SW6 052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		04G	SW7 052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		04H	SW7 052808	50	<2	~~Pale Yellow Colorless~~ NAB 6/5/08	clear				colorless	clear	50		
		08G	MLSA060208	50	<2	Colorless	clear				colorless	clear	50		
	L0803	08H	MLSA060208	50	<2	Colorless	clear				colorless	clear	50		
	L0846	02C	130173-MW-1-GW	50	<2	Colorless	clear				colorless	clear	50		
		02CDup	130173-MW-1-GW	50	<2	Colorless	clear				colorless	clear	50		
		02CMS	130173-MW-1-GW	50	<2	Colorless	clear				colorless	clear	50		
6/5/08	L0846	03C	130173-FB-6308	50	<2	Colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB

HCl Lot# E42A12

HNO3 Lot# E50032

Method: ILM4.1

Digestion Temp: 95 oC

LCSS/Spike ID: I080114F - 45.5ml / I080114H; 45.5ml { I071008D / I071116B; I071008E / I080114E } 50ml

SOP#: 100.0009

Digestate Relinquished to: JAN 6/5/08

Logbook ID 100.0125 -04/08

REVIEWED BY: DAS 6/9/08

MITKEM LABORATORIES: Aqueous Metals Preparation Logbook

Date	Sample ID		Client ID	Sample Vol (ml)	pH	Sample Color Before	Clarity Before	Conc. HNO_3 (ml)	Conc. HCl (ml)	1:1 HCl (ml)	Sample Color After	Sample Clarity After	Final Volume (ml)	Comments	Analyst
6/5/08	G0846	04C	130173-MW-6-GW	50	<2	Colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB
		05C	130173-MW6-GW	50	<2	Colorless	clear				colorless	clear	50		
		06C	130173-MW-2-GW	50	<2	Colorless	clear				colorless	clear	50		
	G0846	07C	130173-MW-5-GW	50	<2	Colorless	clear				colorless	clear	50		
	IPANDA1-MAB-36915			50		—	—				—	—	50		
	IPANDA2-MAB-36915			50		—	—				—	—	50		
	IPANDA3-MAB-36915			50		—	—				—	—	50		
6/5/08	IPANDA4-MAB-36915			50	—	—	—	0.5	2.5	—	—	—	50		BV/MAB
6/5/08	G0859	01C	130173-MW-1-GW	50	<2	colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB
6/5/08	G0859	02C	130173-FB-6-5-08	50	<2	colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB
6/5/08	G0859	03C	130173-MW-3-GW	50	<2	colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB
							MAB 6/5/08								

HCl Lot# E41A12

HNO3 Lot# E 50037

Method: ILM 4.1

Digestion Temp: 95 oC

LCSS/Spike ID: I080114F-455ml / I080114 4

45.5 ml { I071008D / I071116 B } 50 ml
{ I071008E / I080114E }

SOP#: 100.0009

Digestate Relinquished to: JRW 6/5/08

Logbook ID 100.0125 -04/08

REVIEWED BY: DS 6/19/08

SENT

IL441/Ag #2

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc. : Mercury Digestion Logbook

60846

Date	Bottle No.	Sample ID	Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
6/5/08	336A	S0.0	—	100	5	2.5	15	8	—	100		BV/MAB
	320	S0.2	—	0.04/100						100	II080516A	
	326JW	S1.0	—	0.2/100						100		
	331XYZ	S2.0	—	0.4/100						100		
	216	S5.0	—	1.0/100						100		
	115	S10.0	—	2.5/100						100	II080516A	
	147	ICV	—	1.0/100						100	II080527B	
	324M	MB-36916	—	100						100		
	321	60803	016 SW052808	100						100		
	2R		026 SW5 052808	100						100		
	12		036 SW6 052808	100						100		
	336T		046 SW7 052808	100						100		
	321☆	60803	086 MLS4060208	100						100		
	73XY	60846	02C 130173-MW-1-GW	100						100		
	327	60846	02CDUP 130173-MW-1-GW	100						100		
6/5/08	200	60846	02CMS 130173-MW-1-GW	100	5	2.5	15	8	—	100		BV/MAB

Waters
In: 11:20
Out: 13:20
Matrix: Aqueous

Soils
In: ____ Out: ____
In: ____ Out: ____
Matrix: Soil/Solid

N/A

LCSS ID: —
LCSS volume: —
Spike ID: II080516A
Spike volume: 200 µl

Temp: 4.5 °C
H_2SO_4 Lot #: C150415
HNO_3 Lot #: 550037
HCl Lot #: —
KMnO4 ID #: IR030522209
K2S2O8 ID#: IR030604085
Method #: ILM 4.1

RELINQUISHED TO: JRW 6/5/08

Reviewed by: DES 6/19/08

Logbook ID: 100.0128 - 05/08

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc. : Mercury Digestion Logbook

Date	Bottle No.	Sample ID		Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
6/5/08	325	6.0946	03C	130173-FB-6308 ~~130173-MW-6-GW~~	100	5	2.5	~~15~~ 15	8	—	100		JSV/NAB
	316Y		04C	130173-MW-6-GW	100			15			100		
	334*		05C	130173-MW66-GW	100						100		
	318		06C	130173-MW-2-GW	100						100		
6/5/08	331	6.0846	07C	130173-MW-5-GW	100						100		
6/5/08	325D	F0859	01C	130173-MW-4-GW	100						100		
6/5/08	334	F0859	02C	130173-FB-6408	100						100		
6/5/08	328D	F0859	08C	130173-MW-3 GW	100	5	2.5	15	8	—	100		BJV/NAB

NAB 6/5/08

Waters
In: 11:20
Out: 13:20
Matrix: Aqueous

Soils
In: N/A Out:
In: Out:
Matrix: Soil/Solid

LCSS ID —
LCSS volume: 200ml
Spike ID 4080570A
Spike volume: 200ml

Temp: 95 °C
H_2SO_4 Lot # C15095
HNO_3 Lot # E50031
HCl Lot # —
KMnO4 ID # IR0805220 9
K2S2O8 ID# IR0806040 8
Method # ILM4.1

SLRG

RELINQUISHED TO: JRW 6/5/08

Reviewed by: DS 6/9/08

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

June 24, 2008

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

RE: Client Project: Shames Drive
Lab Work Order #: G0859

Dear Ms. Beattie:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

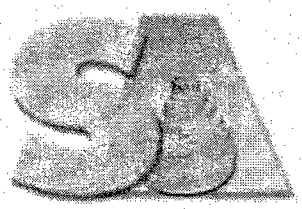
We appreciate your business.

Sincerely,

Shirley Ng
Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

MITKEM LABORATORIES



* Data Summary Pack *

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Shames Drive **SDG :** G0859

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
130173-MW-4-GW	G0859-01	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-4-GW	G0859-01				ILM4.1_ICP_W	
130173-FB-6408	G0859-02	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-FB-6408	G0859-02				ILM4.1_ICP_W	
130173-MW-3-GW	G0859-03	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-3-GW	G0859-03				ILM4.1_ICP_W	

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLC3.2_VOA					
G0859-01A	AQ	6/4/2008	6/5/2008	NA	6/6/2008
G0859-02A	AQ	6/4/2008	6/5/2008	NA	6/5/2008
G0859-03A	AQ	6/4/2008	6/5/2008	NA	6/5/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLC3.2_SVOA					
G0859-01B	AQ	6/4/2008	6/5/2008	6/5/2008	6/12/2008
G0859-02B	AQ	6/4/2008	6/5/2008	6/5/2008	6/12/2008
G0859-03B	AQ	6/4/2008	6/5/2008	6/5/2008	6/12/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLC3.2_VOA					
G0859-01A	AQ	OLC3.2_VOA	NA	LOW	1
G0859-02A	AQ	OLC3.2_VOA	NA	LOW	1
G0859-03A	AQ	OLC3.2_VOA	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLC3.2_SVOA					
G0859-01B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0859-02B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0859-03B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0859-01C	AQ	ILM4.1_HG_W	6/5/2008	6/6/2008
G0859-02C	AQ	ILM4.1_HG_W	6/5/2008	6/6/2008
G0859-03C	AQ	ILM4.1_HG_W	6/5/2008	6/6/2008
ILM4.1_ICP_W				
G0859-01C	AQ	ILM4.1_ICP_W	6/5/2008	6/6/2008
G0859-02C	AQ	ILM4.1_ICP_W	6/5/2008	6/6/2008
G0859-03C	AQ	ILM4.1_ICP_W	6/5/2008	6/6/2008

Analytical Data Package for CDM

Client Project No.: Shames Drive

Mitkem Work Order ID: G0859

June 24, 2008

Prepared For:

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to CDM's Shames Drive project. Under this deliverable, analysis results are presented for three aqueous samples that were received on June 5, 2008. Analyses were performed per specification in project contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the 4-chloroaniline-d4 in sample 130173-MW-4-GW, 130173-FB-6408, method blank SBLK1H and lab control sample S1HLCS.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

4. Metals Analysis:

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: serial dilution was performed on sample 130173-MW-3-GW. Percent RPDs were within the QC limits with the exception of zinc. This element is flagged with an "E" on the data reporting forms. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager
06/24/08

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4647.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4647.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4647.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

0006

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4635.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G0859-02A

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: V2K4635.D

Level: (TRACE/LOW/MED) LOW

Date Received: 06/05/2008

% Moisture: not dec.

Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4635.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4636.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4636.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4636.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4624.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	3.5	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	4.7	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	4.6	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	4.7	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: LCS-36900

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: V2K4624.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	5.0	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7246.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7246.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7246.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7247.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	1.3	J
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7247.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7247.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7248.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7248.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7248.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1HLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7243.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	63	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	64	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	18	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	66	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	15	
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	50	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	15	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1HLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7243.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	65	
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	13	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-FB-6408

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Matrix (soil/water): WATER Lab Sample ID: G0859-02

Level (low/med): MED Date Received: 06/05/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	0.75	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.16	B		P
7440-70-2	Calcium	73.0	U		P
7440-47-3	Chromium	0.37	B		P
7440-48-4	Cobalt	0.21	U		P
7440-50-8	Copper	2.8	B		P
7439-89-6	Iron	14.6	B		P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	6.4	U		P
7439-96-5	Manganese	1.7	B		P
7439-97-6	Mercury	0.11	B		CV
7440-02-0	Nickel	0.55	B		P
7440-09-7	Potassium	34.8	U		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	3.4	B		P
7440-23-5	Sodium	77.6	B		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	52.2		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-3-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Matrix (soil/water): WATER Lab Sample ID: G0859-03

Level (low/med): MED Date Received: 06/05/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	38.1	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	B		P
7440-39-3	Barium	34.0	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.19	B		P
7440-70-2	Calcium	13100			P
7440-47-3	Chromium	7.0	B		P
7440-48-4	Cobalt	0.28	B		P
7440-50-8	Copper	3.0	B		P
7439-89-6	Iron	130			P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	2840	B		P
7439-96-5	Manganese	6.8	B		P
7439-97-6	Mercury	0.094	B		CV
7440-02-0	Nickel	5.3	B		P
7440-09-7	Potassium	1520	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	2.2	B		P
7440-23-5	Sodium	14700			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	14.0	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-4-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Matrix (soil/water): WATER Lab Sample ID: G0859-01

Level (low/med): MED Date Received: 06/05/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	130	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	44.0	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.13	U		P
7440-70-2	Calcium	13400			P
7440-47-3	Chromium	16.6			P
7440-48-4	Cobalt	0.73	B		P
7440-50-8	Copper	5.2	B		P
7439-89-6	Iron	363			P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	3450	B		P
7439-96-5	Manganese	29.9			P
7439-97-6	Mercury	0.098	B		CV
7440-02-0	Nickel	11.8	B		P
7440-09-7	Potassium	1830	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	3.5	B		P
7440-23-5	Sodium	11900			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.78	B		P
7440-66-6	Zinc	19.7	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

7

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-36914

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9583.67	105.3						
Antimony	455.0	512.95	112.7						
Arsenic	455.0	503.54	110.7						
Barium	9100.0	9850.93	108.3						
Beryllium	227.0	250.87	110.5						
Cadmium	227.0	258.57	113.9						
Calcium	22700.0	23719.51	104.5						
Chromium	910.0	997.18	109.6						
Cobalt	2270.0	2537.42	111.8						
Copper	1130.0	1184.20	104.8						
Iron	4550.0	5036.27	110.7						
Lead	455.0	508.02	111.7						
Magnesium	22700.0	24765.40	109.1						
Manganese	2270.0	2511.16	110.6						
Nickel	2270.0	2528.48	111.4						
Potassium	22700.0	24126.04	106.3						
Selenium	455.0	517.06	113.6						
Silver	1130.0	1197.43	106.0						
Sodium	22700.0	24593.21	108.3						
Thallium	455.0	512.11	112.6						
Vanadium	2270.0	2429.14	107.0						
Zinc	2270.0	2572.72	113.3						

2A - FORM II VOA-1

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	MB-36900	99	98	70	167	96	96	102
02	LCS-36900	99	101	85	148	96	95	104
03	130173-FB-6408	103	112	79	137	105	110	102
04	130173-MW-3-GW	102	105	81	136	106	110	105
05	MB-36921	102	99	84	166	99	100	91
06	130173-MW-4-GW	98	99	78	162	102	104	94

			QC LIMITS
VDMC1	(VCL)	= Vinyl chloride-d3	(49-138)
VDMC2	(CLA)	= Chloroethane-d5	(60-126)
VDMC3	(DCE)	= 1,1-Dichloroethene-d2	(65-130)
VDMC4	(BUT)	= 2-Butanone-d5	(42-171)
VDMC5	(CLF)	= Chloroform-d	(80-123)
VDMC6	(DCA)	= 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN)	= Benzene-d6	(78-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLC

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (BRF) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLKB2	100	104	90	107	97	101	102	0
02	VB2LCS	99	104	92	116	98	102	104	0
03	130173-FB-6408	101	102	101	53	100	105	104	0
04	130173-MW-3-GW	103	102	96	60	98	103	105	0
05	VBLKC2	107	101	100	94	102	97	106	0
06	130173-MW-4-GW	108	104	101	119	98	100	107	0
07	VHBLKC2	113	105	98	101	93	105	104	0

		QC LIMITS
VDMC8	(DPA) = 1,2-Dichloropropane-d6	(84-123)
VDMC9	(TOL) = Toluene-d8	(77-120)
VDMC10	(TDP) = trans-1,3-Dichloropropene-d4	(80-128)
VDMC11	(HEX) = 2-Hexanone-d5	(37-169)
VDMC12	(BRF) = Bromoform-d	(76-135)
VDMC13	(TCA) = 1,1,2,2-Tetrachloroethane-d2	(75-131)
VDMC14	(DCZ) = 1,2-Dichlorobenzene-d4	(50-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLC

2G - FORM II SV-1

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

	CLIENT SAMPLE NO.	SDMC1 (PHL) #	SDMC2 (BCE) #	SDMC3 (2CP) #	SDMC4 (4MP) #	SDMC5 (NBZ) #	SDMC6 (2NP) #	SDMC7 (DCP) #	SDMC8 (4CA) #
01	SBLK1H	88	88	93	86	96	90	90	90 *
02	S1HLCS	85	90	88	85	100	97	89	74 *
03	130173-MW-4-GW	85	81	89	83	90	88	86	70 *
04	130173-FB-6408	95	94	97	90	99	90	92	87 *
05	130173-MW-3-GW	87	86	92	87	95	91	86	66

		QC LIMITS
SDMC1	(PHL) = Phenol-d5	(10-110)
SDMC2	(BCE) = bis(2-Chloroethyl)ether-d8	(41-94)
SDMC3	(2CP) = 2-Chlorophenol-d4	(33-110)
SDMC4	(4MP) = 4-Methylphenol-d8	(38-95)
SDMC5	(NBZ) = Nitrobenzene-d5	(35-114)
SDMC6	(2NP) = 2-Nitrophenol-d4	(40-106)
SDMC7	(DCP) = 2,4-Dichlorophenol-d3	(42-98)
SDMC8	(4CA) = 4-Chloroaniline-d4	(8-70)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

EPA OLC

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

	CLIENT SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
01	SBLK1H	93	86	83	88	64	85	95	94	1
02	S1HLCS	90	84	92	87	71	94	101	100	1
03	130173-MW-4-GW	89	81	94	82	83	84	100	95	1
04	130173-FB-6408	93	84	90	90	76	94	102	99	1
05	130173-MW-3-GW	94	91	101	93	83	83	104	93	0

		QC LIMITS
SDMC9	(DMP) = Dimethylphthalate-d6	(62-102)
SDMC10	(ACY) = Acenaphthylene-d8	(49-98)
SDMC11	(4NP) = 4-Nitrophenol-d4	(9-181)
SDMC12	(FLR) = Fluorene-d10	(50-97)
SDMC13	(NMP) = 4,6-Dinitro-2-methylphenol-d2	(53-153)
SDMC14	(ANC) = Anthracene-d10	(55-116)
SDMC15	(PYR) = Pyrene-d10	(47-114)
SDMC16	(BAP) = Benzo(a)pyrene-d12	(54-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

EPA OLC

3 - FORM III

WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab Sample ID: LCS-36900 LCS Lot No.:

Date Extracted: 06/05/2008 Date Analyzed (1): 06/05/2008

Instrument ID (1): V2 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,1-Dichloroethene	5.0000	3.5406	71		61-145
Benzene	5.0000	4.7331	95		76-127
Trichloroethene	5.0000	4.5561	91		71-120
Toluene	5.0000	4.7193	94		76-125
Chlorobenzene	5.0000	4.9503	99		75-130

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

LCS Recovery: 0 out of 5 outside limits.

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

S1HLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab Sample ID: LCS-36906 LCS Lot No.:

Date Extracted: 06/05/2008 Date Analyzed (1): 06/12/2008

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS %REC	#	QC. LIMITS REC.
Phenol	80	0	63.2580	79		12-110
2-Chlorophenol	80	0	64.0411	80		27-123
N-Nitroso-di-n-propylamine	20	0	17.5980	88		41-116
4-Chloro-3-methylphenol	80	0	66.4380	83		23-97
Acenaphthene	20	0	15.2645	76		46-118
4-Nitrophenol	80	0	49.6854	62		10-80
2,4-Dinitrotoluene	20	0	15.4894	77		24-96
Pentachlorophenol	80	0	64.7198	81		9-103
Pyrene	20	0	12.7985	64		26-127

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

* Values outside of QC limits

Spike Recovery: 0 out of 9 outside limits

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: V2K4623.D Lab Sample ID: MB-36900

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/05/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:47

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VB2LCS	LCS-36900	V2K4624.D	12:06
02	130173-FB-6408	G0859-02A	V2K4635.D	19:29
03	130173-MW-3-GW	G0859-03A	V2K4636.D	20:00

COMMENTS:

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: V2K4643.D Lab Sample ID: MB-36921

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/06/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 9:54

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	130173-MW-4-GW	G0859-01A	V2K4647.D	12:01
02	VHBLKC2	VHBLKC2	V2K4660.D	18:52

COMMENTS:

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4660.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.99	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4660.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4660.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: S1F7242.D Lab Sample ID: MB-36906

Instrument ID: S1 Date Extracted: 06/05/2008

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/12/2008

Level: (LOW/MED) LOW Time Analyzed: 10:50

Extraction: (Type) CONT GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1HLCS	LCS-36906	S1F7243.D	06/12/2008
02	130173-MW-4-GW	G0859-01B	S1F7246.D	06/12/2008
03	130173-FB-6408	G0859-02B	S1F7247.D	06/12/2008
04	130173-MW-3-GW	G0859-03B	S1F7248.D	06/12/2008

COMMENTS:

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7242.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7242.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7242.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36916**

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

FIMS1_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.111	B	0.102	B	0.114	B	0.116	B	0.094	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Blank Matrix (soil/water): Method Blank ID:

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

FIMS1_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.118	B							

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA3_080605B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	34.8	U	34.9	U	34.9	U	40.5	B	34.850	U	
Sodium	36.8	B	19.6	B	23.4	B	30.8	B	129.351	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA3_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	7.6	U	15.0	B	16.1	B	12.0	B	22.994	B	
Antimony	2.0	U	2.0	U	2.0	U	2.0	U	1.990	U	
Arsenic	2.5	U	2.5	U	2.5	U	2.5	U	2.480	U	
Barium	0.6	B	0.4	B	0.3	B	0.3	B	0.792	B	
Beryllium	0.0	U	0.0	B	0.0	B	0.0	U	-0.039	B	
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	0.182	B	
Calcium	73.0	U	73.0	U	73.0	U	73.0	U	72.980	U	
Chromium	0.2	U	0.2	B	0.2	U	0.2	U	0.160	U	
Cobalt	0.2	U	0.2	U	0.3	B	0.2	U	0.210	U	
Copper	1.8	B	2.9	B	2.0	B	2.5	B	4.557	B	
Iron	0.7	U	2.3	B	1.2	B	2.3	B	52.114	B	
Lead	1.3	U	1.3	U	1.3	U	1.3	U	1.280	U	
Magnesium	6.4	U	6.4	U	6.4	U	6.4	U	6.370	U	
Manganese	1.1	U	1.1	U	1.1	U	1.1	U	3.326	B	
Nickel	0.4	U	0.3	U	0.3	U	0.3	U	0.350	U	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	4.750	U	
Silver	6.0	B	1.0	B	0.5	B	0.5	U	4.125	B	
Thallium	2.3	U	2.3	U	2.3	U	2.3	U	2.330	U	
Vanadium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	
Zinc	1.1	B	0.9	B	0.9	B	1.0	B	3.302	B	

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Date Analyzed: 06/05/2008

Lab File ID (Standard): V2K4622.D Time Analyzed: 10:05

Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	491046		10.075		687375		6.503		201229		12.965	
	UPPER LIMIT	687464		10.405		962325		6.833		281721		13.295	
	LOWER LIMIT	294628		9.745		412425		6.173		120737		12.635	
	SAMPLE NO.												
01	VBLKB2	616920		10.075		914255		6.493		239763		12.965	
02	VB2LCS	592259		10.065		872973		6.493		222002		12.966	
03	130173-FB-6408	480705		10.064		691702		6.482		171739		12.965	
04	130173-MW-3-GW	444807		10.067		637049		6.485		165431		12.958	

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

0605

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Date Analyzed: 06/06/2008

Lab File ID (Standard): V2K4642.D Time Analyzed: 9:11

Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	470400		10.064		660928		6.482		184304		12.955	
	UPPER LIMIT	658560		10.394		925299		6.812		258026		13.285	
	LOWER LIMIT	282240		9.734		396557		6.152		110582		12.625	
	SAMPLE NO.												
01	VBLKC2	483970		10.053		705199		6.482		171622		12.955	
02	130173-MW-4-GW	446605		10.055		652084		6.473		163352		12.956	
03	VHBLKC2	378337		10.064		554442		6.482		141416		12.966	

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

EPA OLC

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Date Analyzed: 06/12/2008

Lab File ID (Standard): S1F7241.D Time Analyzed: 10:14

Instrument ID: S1

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	190289		8.098		687175		10.216		311898		13.069	
	UPPER LIMIT	380578		8.428		1374350		10.546		623796		13.399	
	LOWER LIMIT	95145		7.768		343588		9.886		155949		12.739	
	SAMPLE NO.												
01	SBLK1H	222974		8.102		843645		10.220		409144		13.062	
02	S1HLCS	254026		8.099		916378		10.217		467764		13.069	
03	130173-MW-4-GW	268217		8.101		980141		10.219		458676		13.061	
04	130173-FB-6408	245670		8.102		936879		10.220		451897		13.062	
05	130173-MW-3-GW	270294		8.102		1006975		10.220		445900		13.061	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Date Analyzed: 06/12/2008

Lab File ID (Standard): S1F7241.D Time Analyzed: 10:14

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	490490		15.446		525221		19.703		458081		21.832	
	UPPER LIMIT	980980		15.776		1050442		20.033		916162		22.162	
	LOWER LIMIT	245245		15.116		262611		19.373		229041		21.502	
	SAMPLE NO.												
01	SBLK1H	627643		15.439		673616		19.696		594700		21.825	
02	S1HLCS	655107		15.447		705562		19.693		601933		21.833	
03	130173-MW-4-GW	679747		15.439		695801		19.696		605180		21.825	
04	130173-FB-6408	658677		15.439		705340		19.696		622271		21.825	
05	130173-MW-3-GW	720180		15.439		705202		19.696		642783		21.825	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Shames Drive **SDG :** G0859

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
130173-MW-4-GW	G0859-01	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-4-GW	G0859-01				ILM4.1_ICP_W	
130173-FB-6408	G0859-02	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-FB-6408	G0859-02				ILM4.1_ICP_W	
130173-MW-3-GW	G0859-03	OLC3.2_VOA	OLC3.2_SVOA		ILM4.1_HG_W	
130173-MW-3-GW	G0859-03				ILM4.1_ICP_W	

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLC3.2_VOA					
G0859-01A	AQ	6/4/2008	6/5/2008	NA	6/6/2008
G0859-02A	AQ	6/4/2008	6/5/2008	NA	6/5/2008
G0859-03A	AQ	6/4/2008	6/5/2008	NA	6/5/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLC3.2_SVOA					
G0859-01B	AQ	6/4/2008	6/5/2008	6/5/2008	6/12/2008
G0859-02B	AQ	6/4/2008	6/5/2008	6/5/2008	6/12/2008
G0859-03B	AQ	6/4/2008	6/5/2008	6/5/2008	6/12/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLC3.2_VOA					
G0859-01A	AQ	OLC3.2_VOA	NA	LOW	1
G0859-02A	AQ	OLC3.2_VOA	NA	LOW	1
G0859-03A	AQ	OLC3.2_VOA	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLC3.2_SVOA					
G0859-01B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0859-02B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1
G0859-03B	AQ	OLC3.2_SVOA	OLC3.2_SVOA_PR	NA	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Shames Drive **SDG :** G0859

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0859-01C	AQ	ILM4.1_HG_W	6/5/2008	6/6/2008
G0859-02C	AQ	ILM4.1_HG_W	6/5/2008	6/6/2008
G0859-03C	AQ	ILM4.1_HG_W	6/5/2008	6/6/2008
ILM4.1_ICP_W				
G0859-01C	AQ	ILM4.1_ICP_W	6/5/2008	6/6/2008
G0859-02C	AQ	ILM4.1_ICP_W	6/5/2008	6/6/2008
G0859-03C	AQ	ILM4.1_ICP_W	6/5/2008	6/6/2008

Analytical Data Package for CDM

Client Project No.: Shames Drive

Mitkem Work Order ID: G0859

June 24, 2008

Prepared For:

CDM
Raritan Plaza I
Raritan Center
Edison NJ 08818-3142
Attn: Ms. Jessica Beattie

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to CDM's Shames Drive project. Under this deliverable, analysis results are presented for three aqueous samples that were received on June 5, 2008. Analyses were performed per specification in project contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the 4-chloroaniline-d4 in sample 130173-MW-4-GW, 130173-FB-6408, method blank SBLK1H and lab control sample S1HLCS.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

4. Metals Analysis:

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: serial dilution was performed on sample 130173-MW-3-GW. Percent RPDs were within the QC limits with the exception of zinc. This element is flagged with an "E" on the data reporting forms. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager
06/24/08

Sample Transmittal Documentation

Mitkem Laboratories — *24/Jun/08 14:56* — WorkOrder: G0859

Client ID: CDM_NJ
Project: Shames Drive
Location:
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-B
EDD: MEDD4_2-3
HC Due: 06/26/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0859-01A	130173-MW-4-GW	06/04/2008 7:45	06/05/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0859-01B	130173-MW-4-GW	06/04/2008 7:45	06/05/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	N3
G0859-01C	130173-MW-4-GW	06/04/2008 7:45	06/05/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M2
					ILM4.1_ICP_W	ILM	☐	☐	☑	M2
G0859-02A	130173-FB-6408	06/04/2008 8:00	06/05/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0859-02B	130173-FB-6408	06/04/2008 8:00	06/05/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	N3
G0859-02C	130173-FB-6408	06/04/2008 8:00	06/05/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M2
					ILM4.1_ICP_W	ILM	☐	☐	☑	M2
G0859-03A	130173-MW-3-GW	06/04/2008 9:00	06/05/2008	Aqueous	OLC3.2_VOA	ADD LCS	☐	☐	☐	VOA
G0859-03B	130173-MW-3-GW	06/04/2008 9:00	06/05/2008	Aqueous	OLC3.2_SVOA	ADD LCS	☐	☐	☐	N3
G0859-03C	130173-MW-3-GW	06/04/2008 9:00	06/05/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M2

Client Rep: Shirley S Ng

0859

Mitkem Laboratories

24/Jun/08 14:56

WorkOrder: G0859

Client ID: CDM_NJ
Project: Shames Drive
Location:
Comments: N/A

Case:
SDG:
PO: 0897-59317

Report Level: ASP-B
EDD: MEDD4_2-3
HC Due: 06/26/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0859-03C	130173-MW-3-GW	06/04/2008 9:00	06/05/2008	Aqueous	ILM4.1_ICP_W	ILM	☐	☐	☑	M2

Client Rep: Shirley S Ng

0859

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jessica Beattie
CDM
Raritan Plaza 1 Raritan Center
Edison NJ 08818
Project Mgr.: J. Beattie

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: Shames Drive
Location: Westbury State: NY
Sampler(s): Frank Robinson

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC 8260 3-2	SVOC 8270 3-2	Metals ICP 04-2
G65569													
01	130173-MW-4-6W	6/4/08	0745	G	GW	2/4	3	2		1	X	X	X
02	130173-FB-6408	6/4/08	0800	G	-	2/4	3	2		1	X	X	X
03	130173-MW-3-6W	6/4/08	0900	G	GW	2/4	3	2		1	X	X	X

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

Field Blank

☐ Fax results when available to (_____) _____
☐ E-mail to _____
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:
Frank Mc 6/4/08	[signature]	6/5/08	9:30

5C

MITKEM CORPORATION
Sample Condition Form

Page 1 of 1

Received By: CAW | Reviewed By: [illegible] | Date: 6/5/08 | MITKEM Workorder #: 08859

Client Project: Stones Drive | Client: CDM

1) Cooler Sealed — (Yes) / No

2) Custody Seal(s) — (Present) / Absent; (Coolers) / Bottles; (Intact) / Broken

3) Custody Seal Number(s) — NA

4) Chain-of-Custody — (Present) / Absent

5) Cooler Temperature — 5°C

Coolant Condition — ICE

6) Airbill(s) — (Present) / Absent

Airbill Number(s) — FedEx 866556539 1584

7) Sample Bottles — (Intact)/Broken/Leaking

8) Date Received — 6/5/08

9) Time Received — 9:30

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
08859	01	<2			++	W	
↓	02	↓			++	↓	
08859	03	<2				W	

CAW 15:00

VOA Matrix Key:

US = Unpreserved Soil — **A** = Air

UA = Unpreserved Aqu. — **H** = HCl

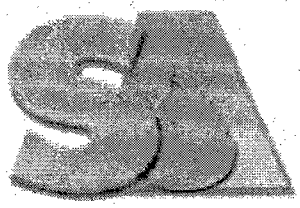
M= MeOH — **E** = Encore

N = $NaHSO_4$ — **F** = Freeze

See Sample Condition Notification/Corrective Action Form — yes / (no)

Rad OK yes/ no

MITKEM LABORATORIES



* Volatiles *

2A - FORM II VOA-1

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	MB-36900	99	98	70	167	96	96	102
02	LCS-36900	99	101	85	148	96	95	104
03	130173-FB-6408	103	112	79	137	105	110	102
04	130173-MW-3-GW	102	105	81	136	106	110	105
05	MB-36921	102	99	84	166	99	100	91
06	130173-MW-4-GW	98	99	78	162	102	104	94

		QC LIMITS
VDMC1	(VCL) = Vinyl chloride-d3	(49-138)
VDMC2	(CLA) = Chloroethane-d5	(60-126)
VDMC3	(DCE) = 1,1-Dichloroethene-d2	(65-130)
VDMC4	(BUT) = 2-Butanone-d5	(42-171)
VDMC5	(CLF) = Chloroform-d	(80-123)
VDMC6	(DCA) = 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN) = Benzene-d6	(78-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLC

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (BRF) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLKB2	100	104	90	107	97	101	102	0
02	VB2LCS	99	104	92	116	98	102	104	0
03	130173-FB-6408	101	102	101	53	100	105	104	0
04	130173-MW-3-GW	103	102	96	60	98	103	105	0
05	VBLKC2	107	101	100	94	102	97	106	0
06	130173-MW-4-GW	108	104	101	119	98	100	107	0
07	VHBLKC2	113	105	98	101	93	105	104	0

		QC LIMITS
VDMC8	(DPA) = 1,2-Dichloropropane-d6	(84-123)
VDMC9	(TOL) = Toluene-d8	(77-120)
VDMC10	(TDP) = trans-1,3-Dichloropropene-d4	(80-128)
VDMC11	(HEX) = 2-Hexanone-d5	(37-169)
VDMC12	(BRF) = Bromoform-d	(76-135)
VDMC13	(TCA) = 1,1,2,2-Tetrachloroethane-d2	(75-131)
VDMC14	(DCZ) = 1,2-Dichlorobenzene-d4	(50-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLC

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab Sample ID: LCS-36900 LCS Lot No.:

Date Extracted: 06/05/2008 Date Analyzed (1): 06/05/2008

Instrument ID (1): V2 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,1-Dichloroethene	5.0000	3.5406	71		61-145
Benzene	5.0000	4.7331	95		76-127
Trichloroethene	5.0000	4.5561	91		71-120
Toluene	5.0000	4.7193	94		76-125
Chlorobenzene	5.0000	4.9503	99		75-130

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

LCS Recovery: 0 out of 5 outside limits.

COMMENTS:

EPA OLC

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: V2K4623.D Lab Sample ID: MB-36900

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/05/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:47

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VB2LCS	LCS-36900	V2K4624.D	12:06
02	130173-FB-6408	G0859-02A	V2K4635.D	19:29
03	130173-MW-3-GW	G0859-03A	V2K4636.D	20:00

COMMENTS:

EPA OLC

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: V2K4643.D Lab Sample ID: MB-36921

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/06/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 9:54

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	130173-MW-4-GW	G0859-01A	V2K4647.D	12:01
02	VHBLKC2	VHBLKC2	V2K4660.D	18:52

COMMENTS:

EPA OLC

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.
BFB2O

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: V2K4431.D BFB Injection Date: 05/13/2008

Instrument ID: V2 BFB Injection Time: 11:22

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	46.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 -120.0% of mass 95	73.0
175	4.0 - 9.0 % of mass 174	4.1 (5.7)1
176	93.0 - 101.0% of mass 174	71.6 (98.2)1
177	5.0 - 9.0% of mass 176	4.9 (6.8)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.52O	VSTD0.52O	V2K4432.D	05/13/2008	11:54
02	VSTD0012O	VSTD0012O	V2K4433.D	05/13/2008	12:47
03	VSTD0052O	VSTD0052O	V2K4434.D	05/13/2008	13:17
04	VSTD0102O	VSTD0102O	V2K4435.D	05/13/2008	13:49
05	VSTD0252O	VSTD0252O	V2K4436.D	05/13/2008	14:21

EPA OLC

5A - FORM V VOA

VOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.

BFBB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: V2K4621.D BFB Injection Date: 06/05/2008

Instrument ID: V2 BFB Injection Time: 9:34

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.8
75	30.0 - 66.0% of mass 95	48.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 -120.0% of mass 95	76.4
175	4.0 - 9.0 % of mass 174	4.0 (5.2)1
176	93.0 - 101.0% of mass 174	75.9 (99.3)1
177	5.0 - 9.0% of mass 176	5.0 (6.6)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005B2	VSTD005B2	V2K4622.D	06/05/2008	10:05
02	VBLKB2	MB-36900	V2K4623.D	06/05/2008	10:47
03	VB2LCS	LCS-36900	V2K4624.D	06/05/2008	12:06
04	130173-FB-6408	G0859-02A	V2K4635.D	06/05/2008	19:29
05	130173-MW-3-GW	G0859-03A	V2K4636.D	06/05/2008	20:00

EPA OLC

5A - FORM V VOA

VOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

CLIENT SAMPLE NO.

BFBC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: V2K4641.D BFB Injection Date: 06/06/2008

Instrument ID: V2 BFB Injection Time: 8:40

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.1
75	30.0 - 66.0% of mass 95	50.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 -120.0% of mass 95	71.5
175	4.0 - 9.0 % of mass 174	5.6 (7.8)1
176	93.0 - 101.0% of mass 174	68.9 (96.3)1
177	5.0 - 9.0% of mass 176	4.7 (6.9)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005C2	VSTD005C2	V2K4642.D	06/06/2008	9:11
02	VBLKC2	MB-36921	V2K4643.D	06/06/2008	9:54
03	130173-MW-4-GW	G0859-01A	V2K4647.D	06/06/2008	12:01
04	VHBLKC2	VHBLKC2	V2K4660.D	06/06/2008	18:52

EPA OLC

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Date Analyzed: 06/05/2008

Lab File ID (Standard): V2K4622.D Time Analyzed: 10:05

Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	491046		10.075		687375		6.503		201229		12.965	
	UPPER LIMIT	687464		10.405		962325		6.833		281721		13.295	
	LOWER LIMIT	294628		9.745		412425		6.173		120737		12.635	
	SAMPLE NO.												
01	VBLKB2	616920		10.075		914255		6.493		239763		12.965	
02	VB2LCS	592259		10.065		872973		6.493		222002		12.966	
03	130173-FB-6408	480705		10.064		691702		6.482		171739		12.965	
04	130173-MW-3-GW	444807		10.067		637049		6.485		165431		12.958	

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Date Analyzed: 06/06/2008

Lab File ID (Standard): V2K4642.D Time Analyzed: 9:11

Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	470400		10.064		660928		6.482		184304		12.955	
	UPPER LIMIT	658560		10.394		925299		6.812		258026		13.285	
	LOWER LIMIT	282240		9.734		396557		6.152		110582		12.625	
	SAMPLE NO.												
01	VBLKC2	483970		10.053		705199		6.482		171622		12.955	
02	130173-MW-4-GW	446605		10.055		652084		6.473		163352		12.956	
03	VHBLKC2	378337		10.064		554442		6.482		141416		12.966	

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4647.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4647.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4647.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

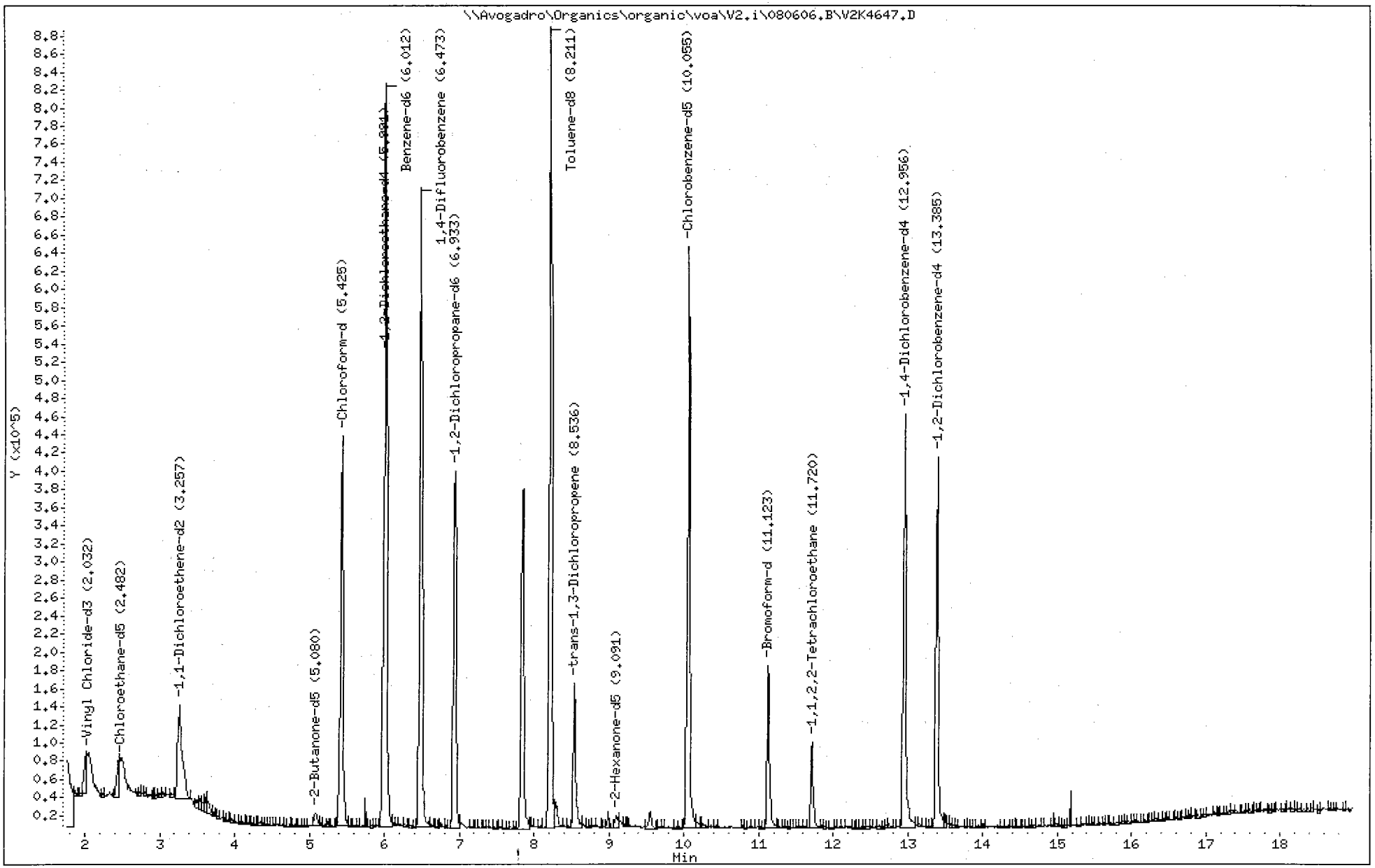
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4647.D
Date : 06-JUN-2008 12:01
Client ID: 130173-MW-4-GW
Instrument: V2.i
Sample Info: 25ML,C0859-01A,,36921,
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



6208

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4647.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4647.D
Lab Smp Id: G0859-01A Client Smp ID: 130173-MW-4-GW
Inj Date : 06-JUN-2008 12:01
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0859-01A,,36921,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

SC 6/12/08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 79 Vinyl Chloride-d3	65	2.031	2.041	(0.314)	228997	4.88138	4.9
$ 80 Chloroethane-d5	69	2.482	2.491	(0.383)	159281	4.95568	5.0
$ 81 1,1-Dichloroethene-d2	100	3.257	3.266	(0.503)	49140	3.91936	3.9(Q)
$ 82 2-Butanone-d5	46	5.079	5.078	(0.785)	30166	8.08378	8.1
$ 83 Chloroform-d	84	5.425	5.434	(0.838)	453095	5.07570	5.1(Q)
$ 23 1,2-Dichloroethane-d4	65	5.990	6.000	(0.926)	161683	5.19881	5.2
$ 84 Benzene-d6	84	6.011	6.031	(0.598)	832382	4.71306	4.7
* 26 1,4-Difluorobenzene	114	6.472	6.482	(1.000)	652084	5.00000	
$ 85 1,2-Dichloropropane-d6	67	6.933	6.932	(0.690)	211209	5.40298	5.4
$ 33 Toluene-d8	98	8.211	8.220	(0.817)	730018	5.19915	5.2
$ 86 trans-1,3-Dichloropropene-d4	79	8.535	8.545	(0.849)	124183	5.06841	5.1
$ 87 2-Hexanone-d5	63	9.090	9.079	(0.904)	9806	5.97366	6.0(Q)
* 42 Chlorobenzene-d5	117	10.054	10.063	(1.000)	446605	5.00000	
$ 88 Bromoform-d	174	11.122	11.132	(0.859)	108818	4.90658	4.9
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.719	11.729	(1.166)	64876	5.02445	5.0
* 78 1,4-Dichlorobenzene-d4	152	12.955	12.954	(1.000)	163352	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.385	13.394	(1.033)	132173	5.32836	5.3

QC Flag Legend

Q - Qualifier signal failed the ratio test.

6/9/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4647.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4647.D
Lab Smp Id: G0859-01A Client Smp ID: 130173-MW-4-GW
Inj Date : 06-JUN-2008 12:01
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0859-01A,,36921,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4635.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4635.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4635.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

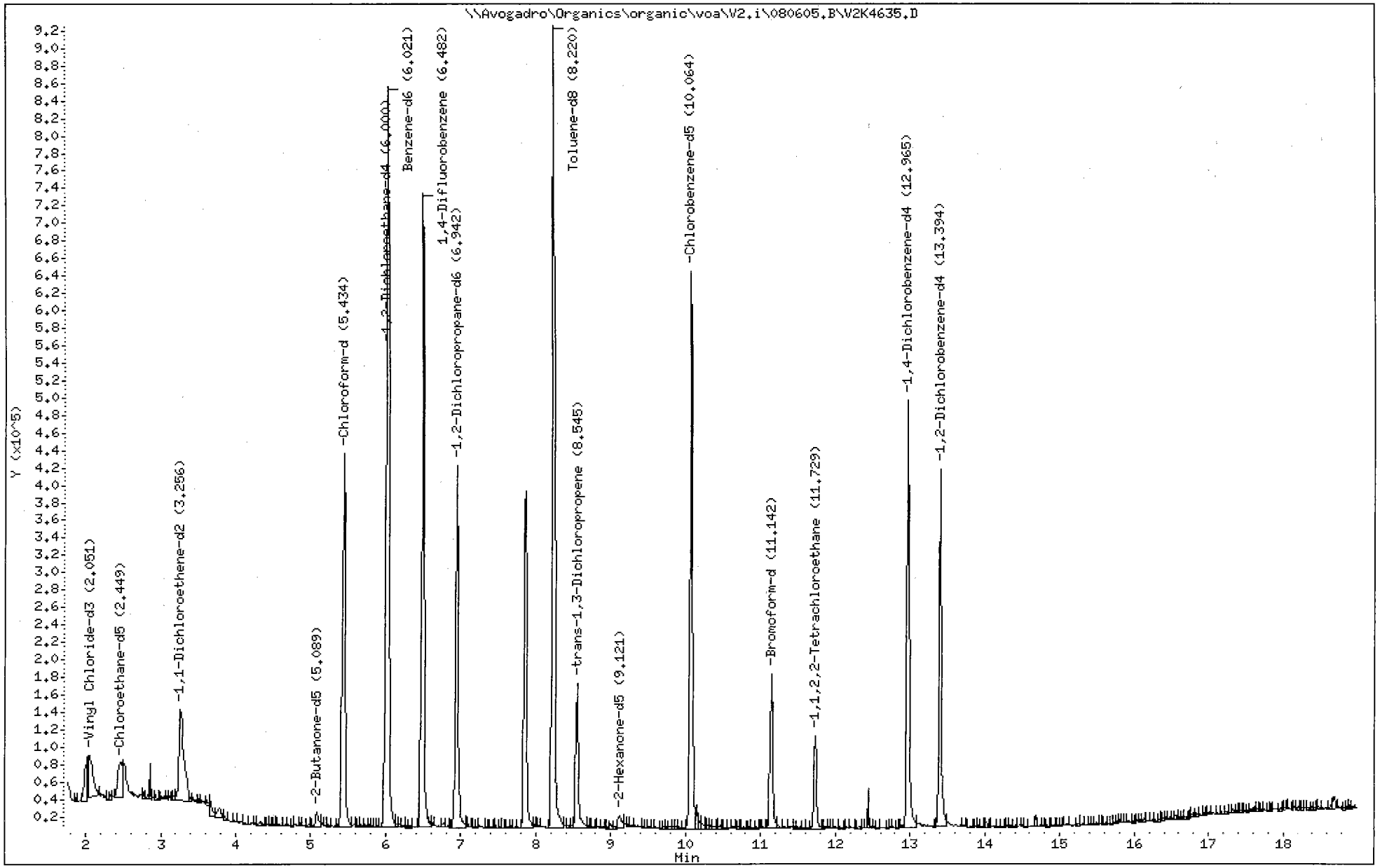
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4635.D
Date : 05-JUN-2008 19:29
Client ID: 130173-FB-6408
Instrument: V2.i
Sample Info: 25ML,G0859-02A,,36900
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



6209

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4635.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4635.D
Lab Smp Id: G0859-02A Client Smp ID: 130173-FB-6408
Inj Date : 05-JUN-2008 19:29
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0859-02A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

SC 6/12/08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 79 Vinyl Chloride-d3	65	2.061	2.062	(0.318)	250616	5.13855	5.1
$ 80 Chloroethane-d5	69	2.449	2.470	(0.378)	170946	5.58830	5.6
$ 81 1,1-Dichloroethene-d2	100	3.266	3.277	(0.504)	55026	3.93677	3.9(Q)
$ 82 2-Butanone-d5	46	5.078	5.089	(0.783)	31287	6.85821	6.9
$ 83 Chloroform-d	84	5.434	5.445	(0.838)	463738	5.24901	5.2(Q)
$ 23 1,2-Dichloroethane-d4	65	5.999	6.010	(0.926)	162560	5.48545	5.5
$ 84 Benzene-d6	84	6.020	6.031	(0.598)	862995	5.11489	5.1
* 26 1,4-Difluorobenzene	114	6.481	6.503	(1.000)	691702	5.00000	
$ 85 1,2-Dichloropropane-d6	67	6.942	6.953	(0.690)	226019	5.06190	5.1
$ 33 Toluene-d8	98	8.220	8.231	(0.817)	765973	5.12236	5.1
$ 86 trans-1,3-Dichloropropene-d4	79	8.544	8.555	(0.849)	128938	5.03651	5.0
$ 87 2-Hexanone-d5	63	9.110	9.090	(0.905)	6032	2.66609	2.7(aQ)
* 42 Chlorobenzene-d5	117	10.063	10.074	(1.000)	480705	5.00000	
$ 88 Bromoform-d	174	11.142	11.142	(0.859)	112535	5.00318	5.0
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.728	11.729	(1.165)	71517	5.26291	5.3
* 78 1,4-Dichlorobenzene-d4	152	12.964	12.965	(1.000)	171739	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.394	13.405	(1.033)	133233	5.18976	5.2

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

WL 6/6/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4635.D
Report Date: 06-Jun-2008 11:10

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4635.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4635.D
Lab Smp Id: G0859-02A Client Smp ID: 130173-FB-6408
Inj Date : 05-JUN-2008 19:29
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0859-02A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4636.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4636.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03A

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4636.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/05/2008

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

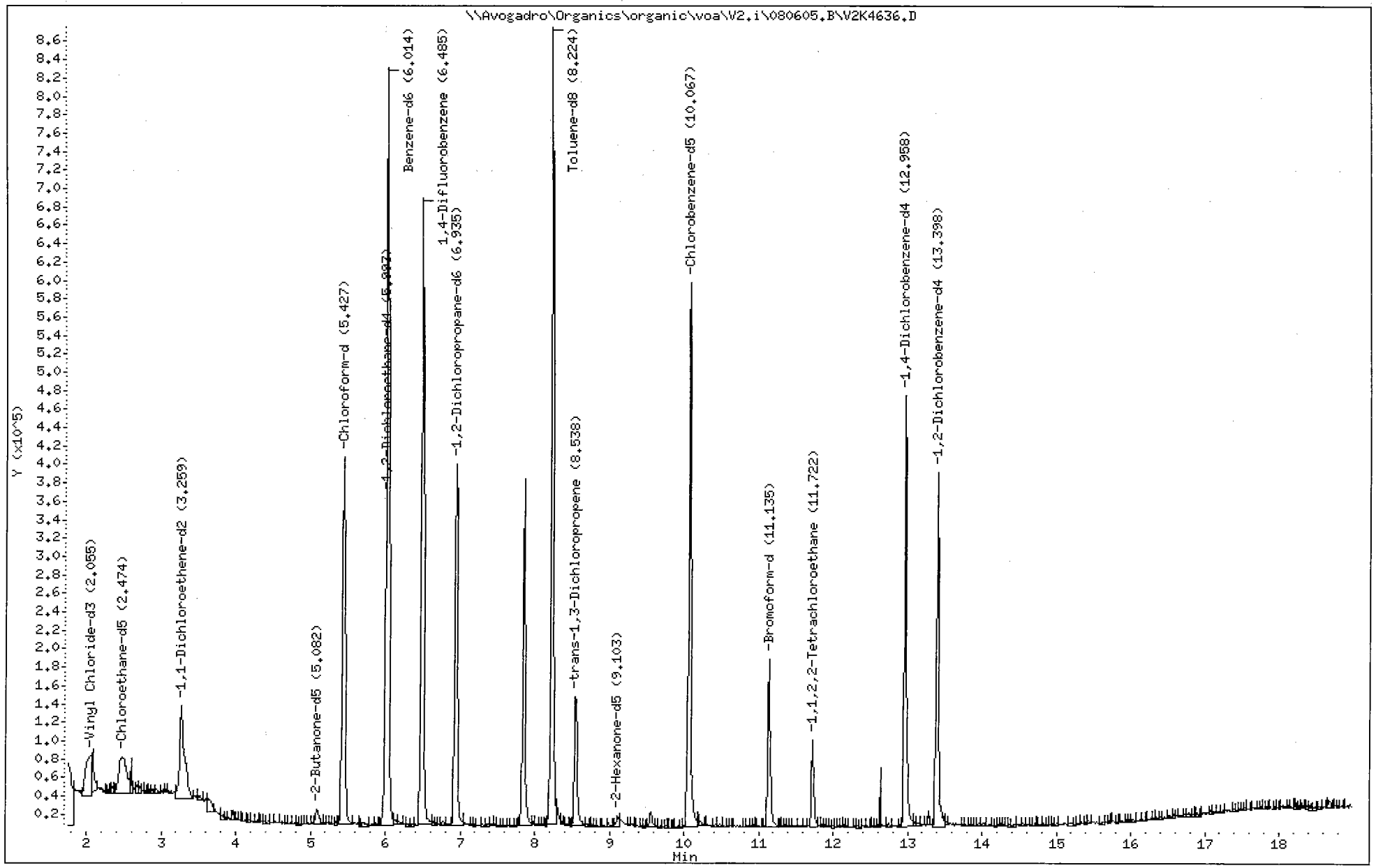
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4636.D
Date : 05-JUN-2008 20:00
Client ID: 130173-MW-3-GW
Instrument: V2.i
Sample Info: 25ML,G0859-03A,,36900
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4636.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4636.D
Lab Smp Id: G0859-03A Client Smp ID: 130173-MW-3-GW
Inj Date : 05-JUN-2008 20:00
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0859-03A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

SC 6/12/08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 79 Vinyl Chloride-d3	65	2.054	2.062	(0.317)	229159	5.10170	5.1
$ 80 Chloroethane-d5	69	2.463	2.470	(0.380)	147765	5.24492	5.2
$ 81 1,1-Dichloroethene-d2	100	3.259	3.277	(0.503)	52161	4.05195	4.1(Q)
$ 82 2-Butanone-d5	46	5.081	5.089	(0.784)	28486	6.77992	6.8
$ 83 Chloroform-d	84	5.427	5.445	(0.837)	431098	5.29819	5.3(Q)
$ 23 1,2-Dichloroethane-d4	65	5.992	6.010	(0.924)	150123	5.50037	5.5
$ 84 Benzene-d6	84	6.013	6.031	(0.597)	818481	5.24257	5.2
* 26 1,4-Difluorobenzene	114	6.485	6.503	(1.000)	637049	5.00000	
$ 85 1,2-Dichloropropane-d6	67	6.935	6.953	(0.689)	213517	5.16782	5.2
$ 33 Toluene-d8	98	8.223	8.231	(0.817)	709069	5.12451	5.1
$ 86 trans-1,3-Dichloropropene-d4	79	8.537	8.555	(0.848)	113303	4.78296	4.8
$ 87 2-Hexanone-d5	63	9.092	9.090	(0.903)	6229	2.97536	3.0(aQ)
* 42 Chlorobenzene-d5	117	10.067	10.074	(1.000)	444807	5.00000	
$ 88 Bromoform-d	174	11.135	11.142	(0.859)	106114	4.89760	4.9
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.721	11.729	(1.164)	64725	5.14749	5.1
* 78 1,4-Dichlorobenzene-d4	152	12.957	12.965	(1.000)	165431	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.397	13.405	(1.034)	129761	5.24725	5.2

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

6/6/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4636.D
Report Date: 06-Jun-2008 11:10

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4636.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4636.D
Lab Smp Id: G0859-03A Client Smp ID: 130173-MW-3-GW
Inj Date : 05-JUN-2008 20:00
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,G0859-03A,,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

6A - FORM VI VOA-1

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: V2 Calibration Date(s): 05/13/2008 05/13/2008

Heated Purge: (Y/N) N Calibration Time(s): 11:54 14:21

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

LAB FILE ID: RRF0.5 = V2K4432.D RRF001 = V2K4433.D

RRF005 = V2K4434.D RRF010 = V2K4435.D RRF025 = V2K4436.D

COMPOUND	RRF0.5	RRF001	RRF005	RRF010	RRF025	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.136	0.075	0.214	0.140	0.214	0.156	38.1
Chloromethane	0.091	0.291	0.320	0.274	0.281	0.252	36.3
Vinyl chloride	0.151	0.219	0.257	0.230	0.221	0.215	18.2
Bromomethane	0.112	0.142	0.182	0.153	0.142	0.146	17.0
Chloroethane	0.065	0.129	0.162	0.159	0.144	0.132	30.2
Trichlorofluoromethane	0.364	0.412	0.438	0.385	0.394	0.399	7.0
1,1-Dichloroethene	0.178	0.243	0.225	0.197	0.214	0.211	11.9
1,1,2-Trichloro-1,2,2-trifluoroethane	0.397	0.480	0.425	0.358	0.372	0.406	11.9
Acetone	0.023	0.025	0.017	0.017	0.015	0.019	22.3
Carbon disulfide	1.185	1.319	1.318	1.251	1.185	1.252	5.3
Methyl acetate	0.198	0.229	0.154	0.136	0.132	0.170	24.8
Methylene chloride	0.277	0.295	0.287	0.253	0.240	0.270	8.4
trans-1,2-Dichloroethene	0.348	0.332	0.376	0.329	0.324	0.342	6.2
Methyl tert-butyl ether	0.683	0.676	0.757	0.675	0.646	0.687	6.0
1,1-Dichloroethane	0.632	0.691	0.726	0.643	0.610	0.661	7.2
cis-1,2-Dichloroethene	0.340	0.316	0.355	0.310	0.299	0.324	7.0
2-Butanone	0.031	0.028	0.035	0.030	0.029	0.031	8.6
Bromochloromethane	0.097	0.096	0.111	0.096	0.092	0.099	7.4
Chloroform	0.646	0.619	0.619	0.549	0.512	0.589	9.5
1,1,1-Trichloroethane	0.709	0.763	0.780	0.719	0.643	0.723	7.4
Cyclohexane	1.563	1.734	1.598	1.408	1.374	1.535	9.6
Carbon tetrachloride	0.586	0.657	0.665	0.607	0.574	0.618	6.6
Benzene	1.889	1.958	2.020	1.834	1.681	1.876	6.9
1,2-Dichloroethane	0.243	0.251	0.262	0.234	0.223	0.243	6.1
Trichloroethene	0.598	0.576	0.566	0.522	0.512	0.555	6.6
Methylcyclohexane	1.393	1.592	1.521	1.240	1.296	1.409	10.5

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

6B - FORM VI VOA-2

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: V2 Calibration Date(s): 05/13/2008 05/13/2008

Heated Purge: (Y/N) N Calibration Time(s): 11:54 14:21

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

LAB FILE ID: RRF0.5 = V2K4432.D RRF001 = V2K4433.D

RRF005 = V2K4434.D RRF010 = V2K4435.D RRF025 = V2K4436.D

COMPOUND	RRF0.5	RRF001	RRF005	RRF010	RRF025	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.413	0.424	0.448	0.410	0.378	0.415	6.1
Bromodichloromethane	0.397	0.445	0.460	0.442	0.412	0.431	5.9
cis-1,3-Dichloropropene	0.435	0.503	0.540	0.509	0.481	0.494	7.9
4-Methyl-2-pentanone	0.079	0.083	0.102	0.100	0.092	0.091	11.0
Toluene	1.811	1.833	2.020	1.816	1.659	1.828	7.0
trans-1,3-Dichloropropene	0.255	0.291	0.337	0.329	0.313	0.305	10.8
1,1,2-Trichloroethane	0.160	0.147	0.166	0.162	0.145	0.156	5.9
Tetrachloroethene	0.501	0.465	0.498	0.450	0.412	0.466	7.9
2-Hexanone	0.034	0.050	0.063	0.068	0.064	0.056	25.0
Dibromochloromethane	0.170	0.200	0.217	0.205	0.200	0.199	8.6
1,2-Dibromoethane	0.136	0.149	0.158	0.149	0.148	0.148	5.3
Chlorobenzene	1.862	1.526	1.148	1.048	0.931	1.303	29.5
Ethylbenzene	1.944	2.103	2.230	2.078	1.896	2.050	6.5
Xylenes (Total)	0.624	0.659	0.719	0.678	0.635	0.663	5.7
Styrene	0.607	0.621	0.864	0.863	0.834	0.758	17.4
Bromoform	0.212	0.236	0.292	0.250	0.236	0.245	12.0
Isopropylbenzene	1.785	1.954	2.107	1.949	1.819	1.923	6.7
1,1,2,2-Tetrachloroethane	0.129	0.132	0.157	0.150	0.143	0.142	8.4
1,3-Dichlorobenzene	1.475	1.581	1.805	1.554	1.525	1.588	8.0
1,4-Dichlorobenzene	1.696	1.757	1.769	1.637	1.490	1.670	6.8
1,2-Dichlorobenzene	1.134	1.157	1.324	1.218	1.109	1.188	7.2
1,2-Dibromo-3-chloropropane	0.024	0.038	0.042	0.042	0.037	0.037	20.4
1,2,4-Trichlorobenzene	0.231	0.359	0.484	0.514	0.531	0.424	29.9
1,2,3-Trichlorobenzene	0.222	0.223	0.300	0.323	0.321	0.278	18.4

6C - FORM VI VOA-3

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: V2 Calibration Date(s): 05/13/2008 05/13/2008

Heated Purge: (Y/N) N Calibration Time(s): 11:54 14:21

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

LAB FILE ID: RRF0.5 = V2K4432.D RRF001 = V2K4433.D

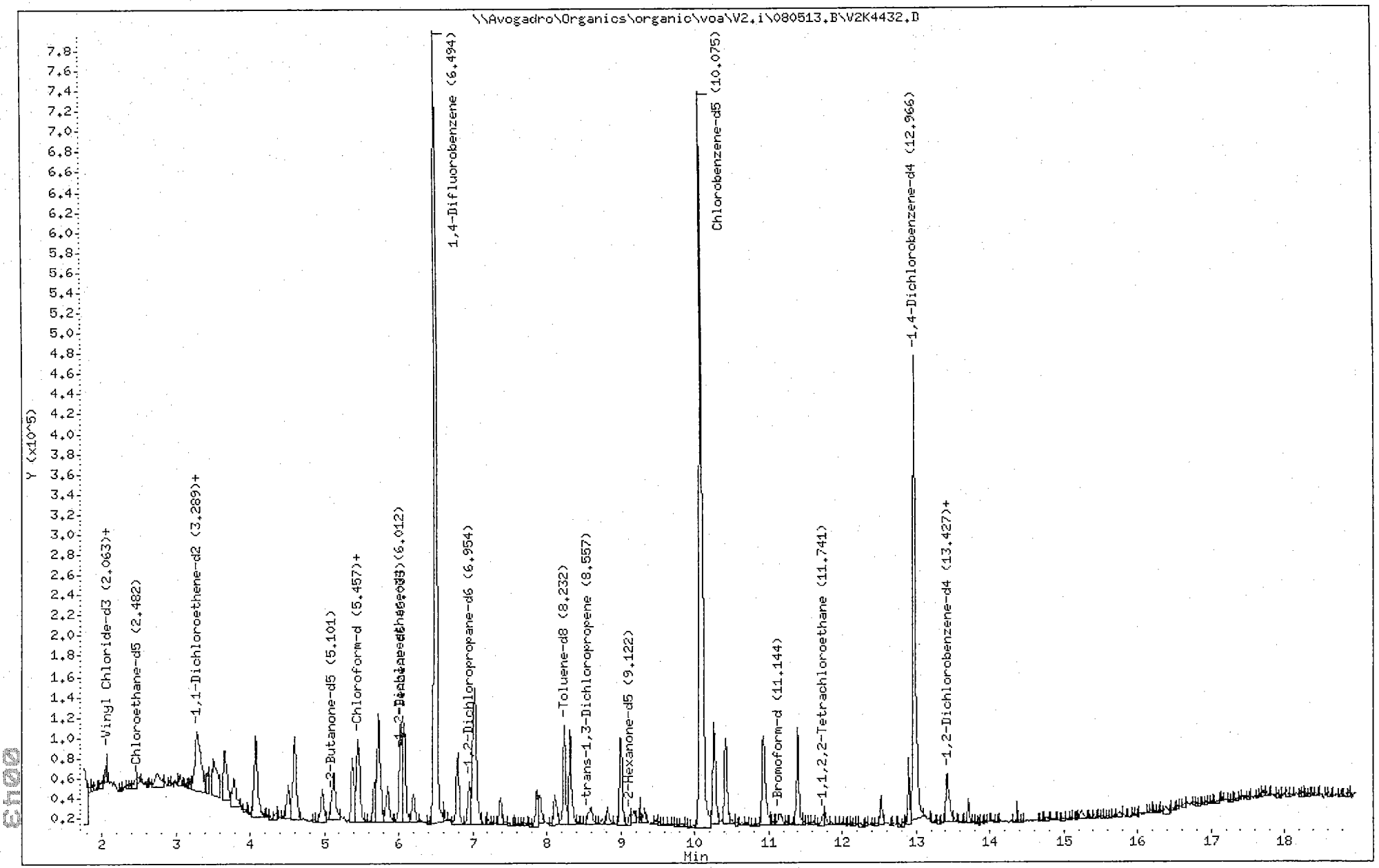
RRF005 = V2K4434.D RRF010 = V2K4435.D RRF025 = V2K4436.D

COMPOUND	RRF0.5	RRF001	RRF005	RRF010	RRF025	RRF	%RSD
Vinyl chloride-d3	0.364	0.371	0.340	0.345	0.386	0.361	5.2
Chloroethane-d5	0.232	0.291	0.239	0.249	0.235	0.249	9.8
1,1-Dichloroethene-d2	0.082	0.102	0.090	0.099	0.104	0.095	9.7
2-Butanone-d5	0.032	0.031	0.036	0.033	0.034	0.033	5.7
Chloroform-d	0.668	0.653	0.642	0.631	0.591	0.637	4.6
1,2-Dichloroethane-d4	0.219	0.219	0.217	0.202	0.194	0.210	5.5
Benzene-d6	2.082	2.060	1.942	1.976	1.819	1.976	5.3
1,2-Dichloropropane-d6	0.512	0.517	0.495	0.499	0.469	0.499	3.8
Toluene-d8	1.755	1.639	1.567	1.622	1.477	1.612	6.3
trans-1,3-Dichloropropene-d4	0.218	0.250	0.247	0.286	0.271	0.255	10.1
2-Hexanone-d5	0.014	0.017	0.025	0.024	0.028	0.022	27.4
Bromoform-d	0.332	0.387	0.666	0.406	0.389	0.436	30.1
1,1,2,2-Tetrachloroethane-d2	0.148	0.156	0.157	0.157	0.154	0.154	2.4
1,2-Dichlorobenzene-d4	0.800	0.762	0.749	0.773	0.718	0.760	4.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4432.D
Date : 13-MAY-2008 11:54
Client ID: VSTD0.520
Instrument: V2.i
Sample Info: 25ML,VSTD0.520,VSTD0.520
Purge Volume: 25.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4432.D
Report Date: 15-May-2008 16:24

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4432.D
Lab Smp Id: VSTD0.520 Client Smp ID: VSTD0.520
Inj Date : 13-MAY-2008 11:54
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD0.520,VSTD0.520
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 13:17 Cal File: V2K4434.D
Als bottle: 25 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET103

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.895	1.822	(0.292)	10178	0.50000	0.44(a)
$	79 Vinyl Chloride-d3	65	2.052	2.063	(0.316)	27317	0.50000	0.50
	3 Vinyl Chloride	62	2.063	2.074	(0.318)	11317	0.50000	0.35(aQ)
	4 Bromomethane	94	2.408	2.419	(0.371)	8439	0.50000	0.38(aQ)
$	80 Chloroethane-d5	69	2.482	2.513	(0.382)	17420	0.50000	0.47(a)
	6 Trichlorofluoromethane	101	2.754	2.754	(0.424)	27326	0.50000	0.46(a)
$	81 1,1-Dichloroethene-d2	100	3.278	3.278	(0.505)	6151	0.50000	0.43(aQ)
	7 1,1-Dichloroethene	96	3.288	3.288	(0.506)	13347	0.50000	0.42(aQ)
	8 Freon113	101	3.288	3.299	(0.506)	29801	0.50000	0.49(a)
	9 Acetone	43	3.351	3.351	(0.516)	17409	5.00000	6.0
	10 Carbon Disulfide	76	3.519	3.519	(0.542)	88877	0.50000	0.47(a)
	11 Methyl Acetate	43	3.686	3.686	(0.568)	14861	0.50000	0.58
	12 Methylene Chloride	84	3.791	3.791	(0.584)	20761	0.50000	0.51
	13 trans-1,2-Dichloroethene	96	4.074	4.074	(0.627)	26082	0.50000	0.51
	14 Methyl tert-Butyl Ether	73	4.084	4.074	(0.629)	51226	0.50000	0.50
	15 1,1-Dichloroethane	63	4.514	4.514	(0.695)	47401	0.50000	0.48(a)
$	82 2-Butanone-d5	46	5.100	5.090	(0.785)	24188	5.00000	4.8(a)
	17 cis-1,2-Dichloroethene	96	5.121	5.121	(0.789)	25512	0.50000	0.52(Q)
	16 2-Butanone	43	5.163	5.153	(0.795)	23072	5.00000	5.0
	18 Bromochloromethane	128	5.383	5.383	(0.829)	7300	0.50000	0.49(a)
$	83 Chloroform-d	84	5.446	5.446	(0.839)	50139	0.50000	0.52

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4432.D
Report Date: 15-May-2008 16:24

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	19 Chloroform	83	5.467	5.467	(0.842)	48482	0.50000	0.55
	20 1,1,1-Trichloroethane	97	5.676	5.676	(0.563)	36006	0.50000	0.49(a)
	21 Cyclohexane	56	5.728	5.729	(0.569)	79398	0.50000	0.51
	22 Carbon Tetrachloride	117	5.854	5.854	(0.581)	29779	0.50000	0.47(a)
$	23 1,2-Dichloroethane-d4	65	6.011	6.012	(0.926)	16431	0.50000	0.52
$	84 Benzene-d6	84	6.032	6.033	(0.599)	105769	0.50000	0.53
	25 Benzene	78	6.074	6.074	(0.603)	95952	0.50000	0.50
	24 1,2-Dichloroethane	62	6.095	6.095	(0.939)	18219	0.50000	0.50
*	26 1,4-Difluorobenzene	114	6.493	6.493	(1.000)	750218	5.00000	
	27 Trichloroethene	95	6.786	6.797	(0.674)	30382	0.50000	0.54
$	85 1,2-Dichloropropane-d6	67	6.943	6.944	(0.689)	26024	0.50000	0.51
	28 Methylcyclohexane	83	7.027	7.017	(0.698)	70771	0.50000	0.49(a)
	29 1,2-Dichloropropane	63	7.048	7.048	(0.700)	20991	0.50000	0.50(T)
	30 Bromodichloromethane	83	7.373	7.373	(0.732)	20173	0.50000	0.46(a)
	31 cis-1,3-Dichloropropene	75	7.907	7.907	(0.785)	22106	0.50000	0.44(a)
	32 4-Methyl-2-Pentanone	43	8.116	8.106	(0.806)	40234	5.00000	4.3(a)
$	33 Toluene-d8	98	8.232	8.232	(0.817)	89143	0.50000	0.54
	34 Toluene	91	8.315	8.316	(0.825)	92007	0.50000	0.50
$	86 trans-1,3-Dichloropropene-d4	79	8.556	8.557	(0.849)	11095	0.50000	0.43(a)
	35 trans-1,3-Dichloropropene	75	8.598	8.588	(0.853)	12966	0.50000	0.42(a)
	36 1,1,2-Trichloroethane	97	8.818	8.818	(0.875)	8107	0.50000	0.51
	37 Tetrachloroethene	164	9.007	8.997	(0.894)	25476	0.50000	0.54
$	87 2-Hexanone-d5	63	9.122	9.091	(0.905)	7068	5.00000	3.2(aQ)
	38 2-Hexanone	43	9.185	9.154	(0.912)	17258	5.00000	3.0(a)
	39 Dibromochloromethane	129	9.321	9.321	(0.925)	8653	0.50000	0.43(a)
	40 1,2-Dibromoethane	107	9.468	9.468	(0.940)	6902	0.50000	0.46(a)
*	42 Chlorobenzene-d5	117	10.075	10.075	(1.000)	508072	5.00000	
	43 Chlorobenzene	112	10.117	10.117	(1.004)	94600	0.50000	0.71
	44 Ethylbenzene	91	10.264	10.264	(1.019)	98757	0.50000	0.47(a)
	45 m,p-Xylene	106	10.421	10.410	(1.034)	36524	1.00000	0.95(a)
	46 o-Xylene	106	10.934	10.924	(1.085)	31692	0.50000	0.47(a)
	47 Styrene	104	10.955	10.945	(1.087)	30848	0.50000	0.40(a)
$	88 Bromoform-d	174	11.154	11.144	(0.860)	5825	0.50000	0.38(a)
	48 Bromoform	173	11.175	11.165	(0.862)	3717	0.50000	0.43(aQ)
	49 Isopropylbenzene	105	11.395	11.395	(1.131)	90687	0.50000	0.46(a)
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.740	11.730	(1.165)	7534	0.50000	0.48(a)
	51 1,1,2,2-Tetrachloroethane	83	11.772	11.762	(1.168)	6562	0.50000	0.45(a)
M	41 Xylene (total)	106				68216	0.50000	1.4
	52 1,3-Dichlorobenzene	146	12.903	12.893	(0.995)	25865	0.50000	0.46(a)
*	78 1,4-Dichlorobenzene-d4	152	12.966	12.966	(1.000)	175383	5.00000	(Q)
	53 1,4-Dichlorobenzene	146	12.997	12.997	(1.002)	29751	0.50000	0.51
$	90 1,2-Dichlorobenzene-d4	152	13.416	13.406	(1.035)	14027	0.50000	0.53
	54 1,2-Dichlorobenzene	146	13.437	13.427	(1.036)	19885	0.50000	0.48(a)
	55 1,2-Dibromo-3-chloropropane	75	14.076	14.307	(1.086)	421	0.50000	0.33(TaQ)
	77 1,2,3-Trichlorobenzene	180	15.762	15.731	(1.216)	3896	0.50000	0.40(a)

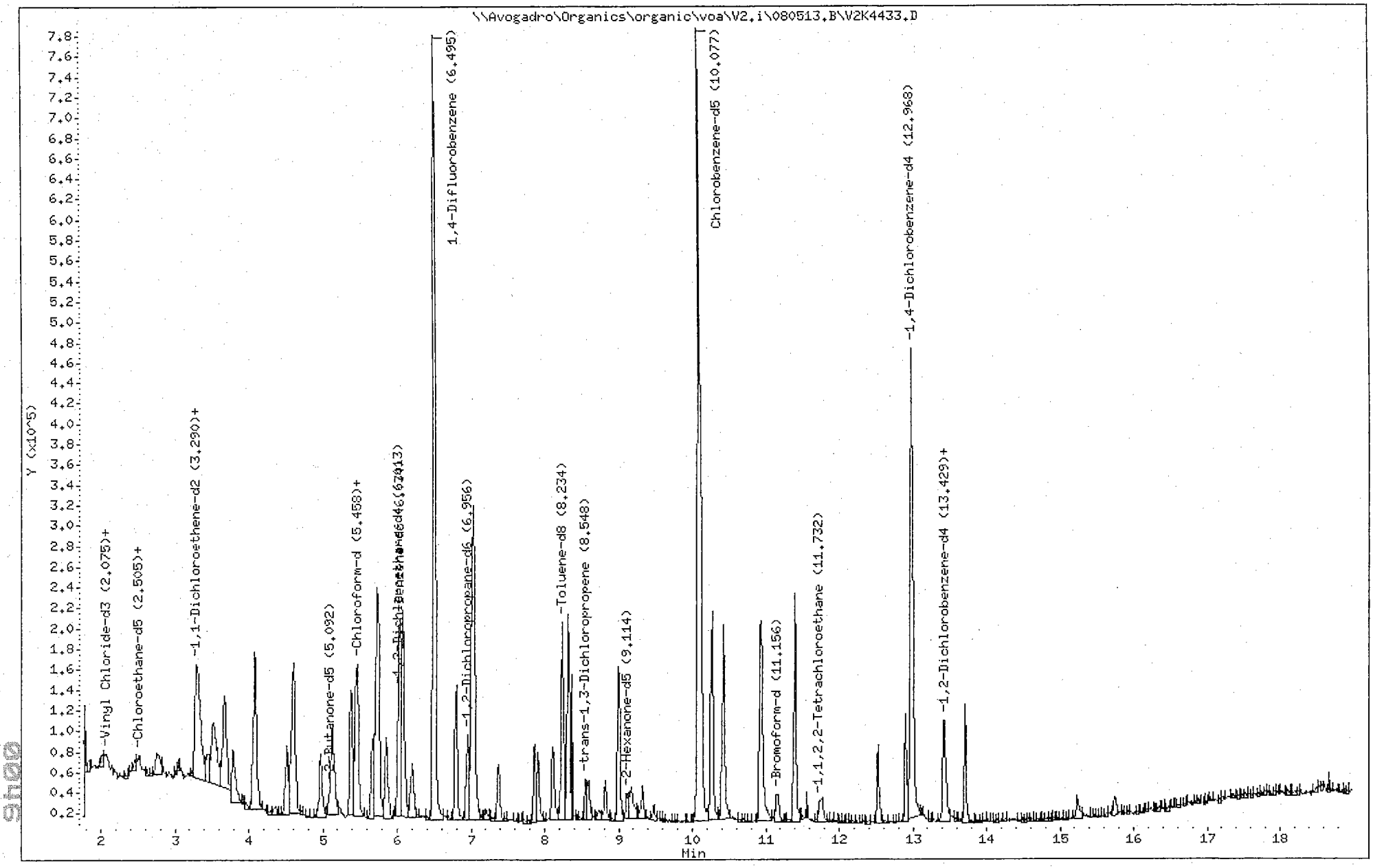
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

WL
5/15/08

AZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4433.D
Date : 13-MAY-2008 12:47
Client ID: VSTD00120
Instrument: V2.i
Sample Info: 25ML,VSTD00120,VSTD00120
Purge Volume: 25.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4433.D
Report Date: 15-May-2008 16:14

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4433.D
Lab Smp Id: VSTD0012O Client Smp ID: VSTD0012O
Inj Date : 13-MAY-2008 12:47
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD0012O,VSTD0012O
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 12:47 Cal File: V2K4433.D
Als bottle: 26 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.834	1.822	(0.282)	10876	1.00000	0.55
	2 Chloromethane	50	1.949	1.958	(0.300)	42344	1.00000	3.2(Q)
$	79 Vinyl Chloride-d3	65	2.075	2.063	(0.320)	53913	1.00000	1.0
	3 Vinyl Chloride	62	2.085	2.074	(0.321)	31844	1.00000	1.5(Q)
	4 Bromomethane	94	2.410	2.419	(0.371)	20666	1.00000	1.3(Q)
$	80 Chloroethane-d5	69	2.504	2.513	(0.386)	42359	1.00000	1.3
	5 Chloroethane	64	2.504	2.545	(0.386)	18760	1.00000	2.0
	6 Trichlorofluoromethane	101	2.756	2.754	(0.424)	59847	1.00000	1.1
$	81 1,1-Dichloroethene-d2	100	3.279	3.278	(0.505)	14833	1.00000	1.2(Q)
	7 1,1-Dichloroethene	96	3.300	3.288	(0.508)	35387	1.00000	1.4(Q)
	8 Freon113	101	3.290	3.299	(0.507)	69781	1.00000	1.2
	9 Acetone	43	3.353	3.351	(0.516)	36307	10.0000	11
	10 Carbon Disulfide	76	3.520	3.519	(0.542)	191759	1.00000	1.1
	11 Methyl Acetate	43	3.698	3.686	(0.569)	33257	1.00000	1.2
	12 Methylene Chloride	84	3.793	3.791	(0.584)	42816	1.00000	1.1
	13 trans-1,2-Dichloroethene	96	4.075	4.074	(0.628)	48214	1.00000	0.95
	14 Methyl tert-Butyl Ether	73	4.075	4.074	(0.628)	98222	1.00000	0.99
	15 1,1-Dichloroethane	63	4.515	4.514	(0.695)	100495	1.00000	1.1
$	82 2-Butanone-d5	46	5.091	5.090	(0.784)	45540	10.0000	9.7
	17 cis-1,2-Dichloroethene	96	5.133	5.121	(0.790)	45998	1.00000	0.93(Q)
	16 2-Butanone	43	5.165	5.153	(0.795)	40859	10.0000	9.1
	18 Bromochloromethane	128	5.384	5.383	(0.829)	14014	1.00000	0.99

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4433.D
Report Date: 15-May-2008 16:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.447	5.446	(0.839)	94910	1.00000	0.98
	19 Chloroform	83	5.468	5.467	(0.842)	90029	1.00000	0.96
	20 1,1,1-Trichloroethane	97	5.678	5.676	(0.563)	74907	1.00000	1.1
	21 Cyclohexane	56	5.730	5.729	(0.569)	170254	1.00000	1.1
	22 Carbon Tetrachloride	117	5.856	5.854	(0.581)	64463	1.00000	1.1
$	23 1,2-Dichloroethane-d4	65	6.013	6.012	(0.926)	31766	1.00000	1.00
$	84 Benzene-d6	84	6.034	6.033	(0.599)	202307	1.00000	0.99
	25 Benzene	78	6.076	6.074	(0.603)	192268	1.00000	1.0
	24 1,2-Dichloroethane	62	6.086	6.095	(0.937)	36449	1.00000	1.0
*	26 1,4-Difluorobenzene	114	6.495	6.493	(1.000)	726844	5.00000	
	27 Trichloroethene	95	6.798	6.797	(0.675)	56588	1.00000	0.96
$	85 1,2-Dichloropropane-d6	67	6.956	6.944	(0.690)	50793	1.00000	1.0
	28 Methylcyclohexane	83	7.018	7.017	(0.697)	156348	1.00000	1.1
	29 1,2-Dichloropropane	63	7.050	7.048	(0.700)	41610	1.00000	1.0
	30 Bromodichloromethane	83	7.374	7.373	(0.732)	43721	1.00000	1.1
	31 cis-1,3-Dichloropropene	75	7.909	7.907	(0.785)	49419	1.00000	1.2
	32 4-Methyl-2-Pentanone	43	8.108	8.106	(0.805)	81948	10.0000	11
$	33 Toluene-d8	98	8.233	8.232	(0.817)	160929	1.00000	0.93
	34 Toluene	91	8.317	8.316	(0.825)	179985	1.00000	1.0
$	86 trans-1,3-Dichloropropene-d4	79	8.558	8.557	(0.849)	24571	1.00000	1.1
	35 trans-1,3-Dichloropropene	75	8.600	8.588	(0.853)	28538	1.00000	1.1
	36 1,1,2-Trichloroethane	97	8.820	8.818	(0.875)	14452	1.00000	0.92
	37 Tetrachloroethene	164	8.998	8.997	(0.893)	45698	1.00000	0.93
$	87 2-Hexanone-d5	63	9.113	9.091	(0.904)	16886	10.0000	12
	38 2-Hexanone	43	9.165	9.154	(0.910)	49191	10.0000	15
	39 Dibromochloromethane	129	9.323	9.321	(0.925)	19669	1.00000	1.2(T)
	40 1,2-Dibromoethane	107	9.469	9.468	(0.940)	14616	1.00000	1.1
*	42 Chlorobenzene-d5	117	10.077	10.075	(1.000)	490943	5.00000	
	43 Chlorobenzene	112	10.119	10.117	(1.004)	149805	1.00000	0.82
	44 Ethylbenzene	91	10.265	10.264	(1.019)	206506	1.00000	1.1
	45 m,p-Xylene	106	10.422	10.410	(1.034)	74167	2.00000	2.1(Q)
	46 o-Xylene	106	10.925	10.924	(1.084)	64744	1.00000	1.1
	47 Styrene	104	10.956	10.945	(1.087)	60989	1.00000	1.0
$	88 Bromoform-d	174	11.145	11.144	(0.859)	13379	1.00000	1.2
	48 Bromoform	173	11.176	11.165	(0.861)	8180	1.00000	1.1
	49 Isopropylbenzene	105	11.396	11.395	(1.131)	191903	1.00000	1.1
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.731	11.730	(1.164)	15274	1.00000	1.0
	51 1,1,2,2-Tetrachloroethane	83	11.773	11.762	(1.168)	12921	1.00000	1.0
	52 1,3-Dichlorobenzene	146	12.904	12.893	(0.994)	54742	1.00000	1.1
*	78 1,4-Dichlorobenzene-d4	152	12.978	12.966	(1.000)	173073	5.00000	
	53 1,4-Dichlorobenzene	146	12.999	12.997	(1.002)	60804	1.00000	1.0
$	90 1,2-Dichlorobenzene-d4	152	13.418	13.406	(1.034)	26362	1.00000	0.95
	54 1,2-Dichlorobenzene	146	13.428	13.427	(1.035)	40035	1.00000	1.0
	55 1,2-Dibromo-3-chloropropane	75	14.329	14.307	(1.104)	1306	1.00000	1.6(TQ)
	56 1,2,4-Trichlorobenzene	180	15.230	15.218	(1.174)	12439	1.00000	1.6(Q)
	77 1,2,3-Trichlorobenzene	180	15.753	15.731	(1.214)	7727	1.00000	1.0(Q)

5/15/08

QC Flag Legend

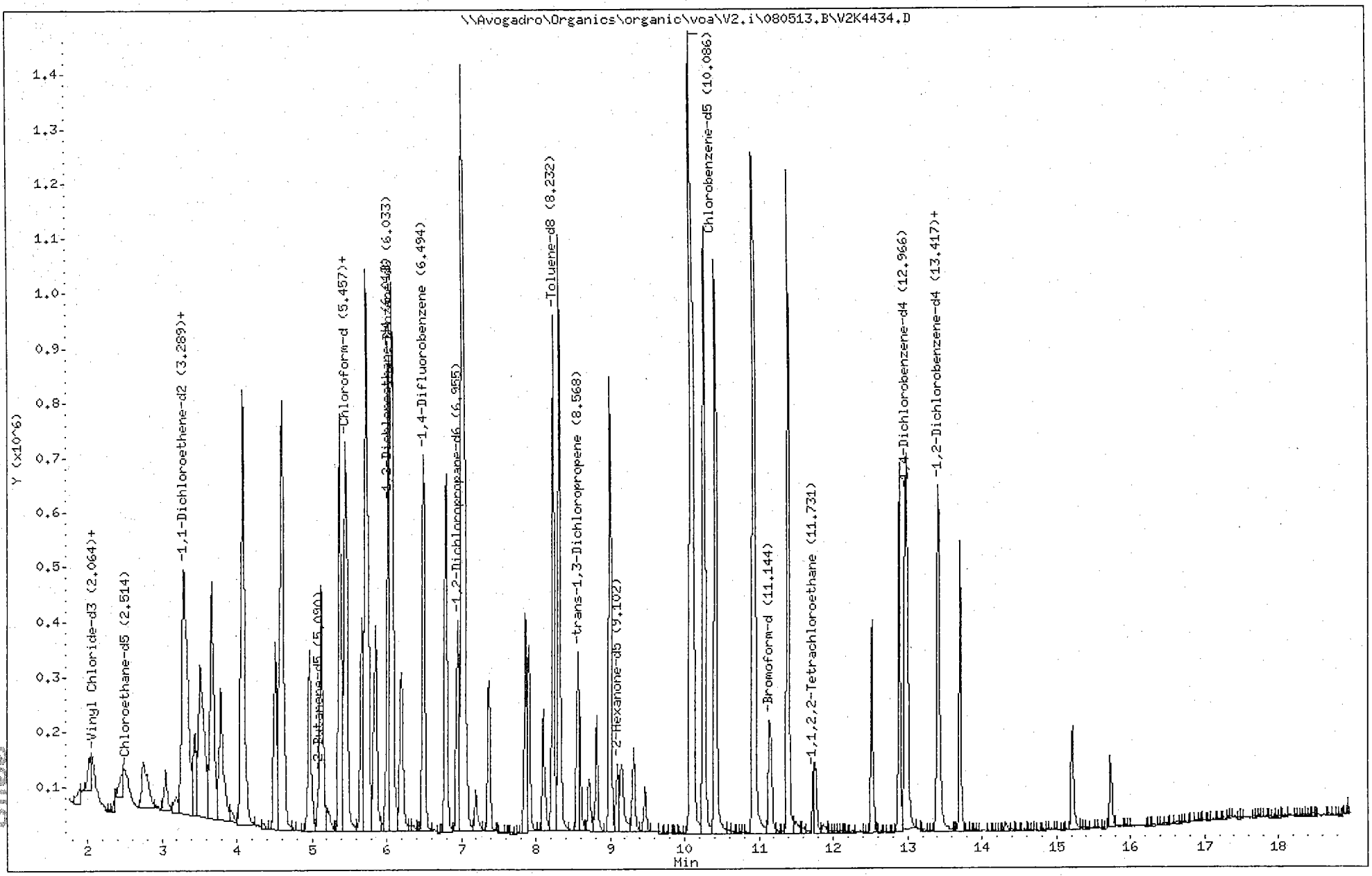
T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4434.D
Date : 13-MAY-2008 13:17
Client ID: VSTD00520
Sample Info: 25ML,VSTD00520,VSTD00520
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4434.D
Report Date: 15-May-2008 16:15

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4434.D
Lab Smp Id: VSTD0052O Client Smp ID: VSTD0052O
Inj Date : 13-MAY-2008 13:17
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD0052O,VSTD0052O
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 13:17 Cal File: V2K4434.D
Als bottle: 27 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.822	1.822	(0.281)	144477	5.00000	10
2	Chloromethane	50	1.958	1.958	(0.302)	215445	5.00000	8.4
$ 79	Vinyl Chloride-d3	65	2.063	2.063	(0.318)	229193	5.00000	4.6
3	Vinyl Chloride	62	2.074	2.074	(0.319)	172946	5.00000	6.9
4	Bromomethane	94	2.419	2.419	(0.373)	122448	5.00000	7.1
$ 80	Chloroethane-d5	69	2.513	2.513	(0.387)	161162	5.00000	4.6
5	Chloroethane	64	2.545	2.545	(0.392)	108943	5.00000	8.4(Q)
6	Trichlorofluoromethane	101	2.754	2.754	(0.424)	294870	5.00000	5.6
$ 81	1,1-Dichloroethene-d2	100	3.278	3.278	(0.505)	60403	5.00000	4.9(Q)
7	1,1-Dichloroethene	96	3.288	3.288	(0.506)	151638	5.00000	5.3
8	Freon113	101	3.299	3.299	(0.508)	286335	5.00000	4.8
9	Acetone	43	3.351	3.351	(0.516)	56459	25.0000	17
10	Carbon Disulfide	76	3.519	3.519	(0.542)	888024	5.00000	5.3
11	Methyl Acetate	43	3.686	3.686	(0.568)	103773	5.00000	3.6
12	Methylene Chloride	84	3.791	3.791	(0.584)	193261	5.00000	5.0
13	trans-1,2-Dichloroethene	96	4.074	4.074	(0.627)	253060	5.00000	5.5
14	Methyl tert-Butyl Ether	73	4.074	4.074	(0.627)	509935	5.00000	5.6
15	1,1-Dichloroethane	63	4.514	4.514	(0.695)	489268	5.00000	5.5
$ 82	2-Butanone-d5	46	5.090	5.090	(0.784)	122459	25.0000	29
17	cis-1,2-Dichloroethene	96	5.121	5.121	(0.789)	238992	5.00000	5.4
16	2-Butanone	43	5.153	5.153	(0.794)	117700	25.0000	30
18	Bromochloromethane	128	5.383	5.383	(0.829)	74954	5.00000	5.7

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4434.D
Report Date: 15-May-2008 16:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.446	5.446	(0.839)	432794	5.00000	4.9
	19 Chloroform	83	5.467	5.467	(0.842)	416974	5.00000	4.9
	20 1,1,1-Trichloroethane	97	5.676	5.676	(0.563)	371225	5.00000	5.3
	21 Cyclohexane	56	5.729	5.729	(0.569)	760331	5.00000	4.8
	22 Carbon Tetrachloride	117	5.854	5.854	(0.581)	316198	5.00000	5.3
$	23 1,2-Dichloroethane-d4	65	6.012	6.012	(0.926)	146200	5.00000	5.0
$	84 Benzene-d6	84	6.033	6.033	(0.599)	923707	5.00000	4.7
	25 Benzene	78	6.074	6.074	(0.603)	961065	5.00000	5.3
	24 1,2-Dichloroethane	62	6.095	6.095	(0.939)	176290	5.00000	5.3
*	26 1,4-Difluorobenzene	114	6.493	6.493	(1.000)	673646	5.00000	
	27 Trichloroethene	95	6.797	6.797	(0.675)	269214	5.00000	4.8
$	85 1,2-Dichloropropane-d6	67	6.944	6.944	(0.689)	235470	5.00000	4.8
	28 Methylcyclohexane	83	7.017	7.017	(0.696)	723693	5.00000	5.1
	29 1,2-Dichloropropane	63	7.048	7.048	(0.700)	213230	5.00000	5.4
	30 Bromodichloromethane	83	7.373	7.373	(0.732)	218624	5.00000	5.5
	31 cis-1,3-Dichloropropene	75	7.907	7.907	(0.785)	257096	5.00000	5.8
	32 4-Methyl-2-Pentanone	43	8.106	8.106	(0.805)	243361	25.0000	31
$	33 Toluene-d8	98	8.232	8.232	(0.817)	745235	5.00000	4.6
	34 Toluene	91	8.316	8.316	(0.825)	960754	5.00000	5.5
$	86 trans-1,3-Dichloropropene-d4	79	8.557	8.557	(0.849)	117630	5.00000	5.3
	35 trans-1,3-Dichloropropene	75	8.588	8.588	(0.852)	160366	5.00000	6.2
	36 1,1,2-Trichloroethane	97	8.818	8.818	(0.875)	79067	5.00000	5.4
	37 Tetrachloroethene	164	8.997	8.997	(0.893)	237134	5.00000	5.2
$	87 2-Hexanone-d5	63	9.091	9.091	(0.902)	60048	25.0000	41(Q)
	38 2-Hexanone	43	9.154	9.154	(0.909)	149819	25.0000	37
	39 Dibromochloromethane	129	9.321	9.321	(0.925)	103021	5.00000	5.8
	40 1,2-Dibromoethane	107	9.468	9.468	(0.940)	75050	5.00000	5.5
*	42 Chlorobenzene-d5	117	10.075	10.075	(1.000)	475715	5.00000	
	43 Chlorobenzene	112	10.117	10.117	(1.004)	545941	5.00000	3.4
	44 Ethylbenzene	91	10.264	10.264	(1.019)	1060908	5.00000	5.5
	45 m,p-Xylene	106	10.410	10.410	(1.033)	387562	10.0000	11
	46 o-Xylene	106	10.924	10.924	(1.084)	342103	5.00000	5.6
	47 Styrene	104	10.945	10.945	(1.086)	411069	5.00000	7.0
$	88 Bromoform-d	174	11.144	11.144	(0.859)	119219	5.00000	9.3
	48 Bromoform	173	11.165	11.165	(0.861)	52234	5.00000	6.5
	49 Isopropylbenzene	105	11.395	11.395	(1.131)	1002479	5.00000	5.6
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.730	11.730	(1.164)	74710	5.00000	5.2
	51 1,1,2,2-Tetrachloroethane	83	11.762	11.762	(1.167)	74919	5.00000	6.0
	52 1,3-Dichlorobenzene	146	12.893	12.893	(0.994)	323210	5.00000	5.9
*	78 1,4-Dichlorobenzene-d4	152	12.966	12.966	(1.000)	179111	5.00000	
	53 1,4-Dichlorobenzene	146	12.997	12.997	(1.002)	316922	5.00000	5.1
$	90 1,2-Dichlorobenzene-d4	152	13.406	13.406	(1.034)	134102	5.00000	4.8
	54 1,2-Dichlorobenzene	146	13.427	13.427	(1.036)	237161	5.00000	5.8
	55 1,2-Dibromo-3-chloropropane	75	14.307	14.307	(1.103)	7525	5.00000	6.8(Q)
	56 1,2,4-Trichlorobenzene	180	15.218	15.218	(1.174)	86682	5.00000	8.2
	77 1,2,3-Trichlorobenzene	180	15.731	15.731	(1.213)	53740	5.00000	6.7

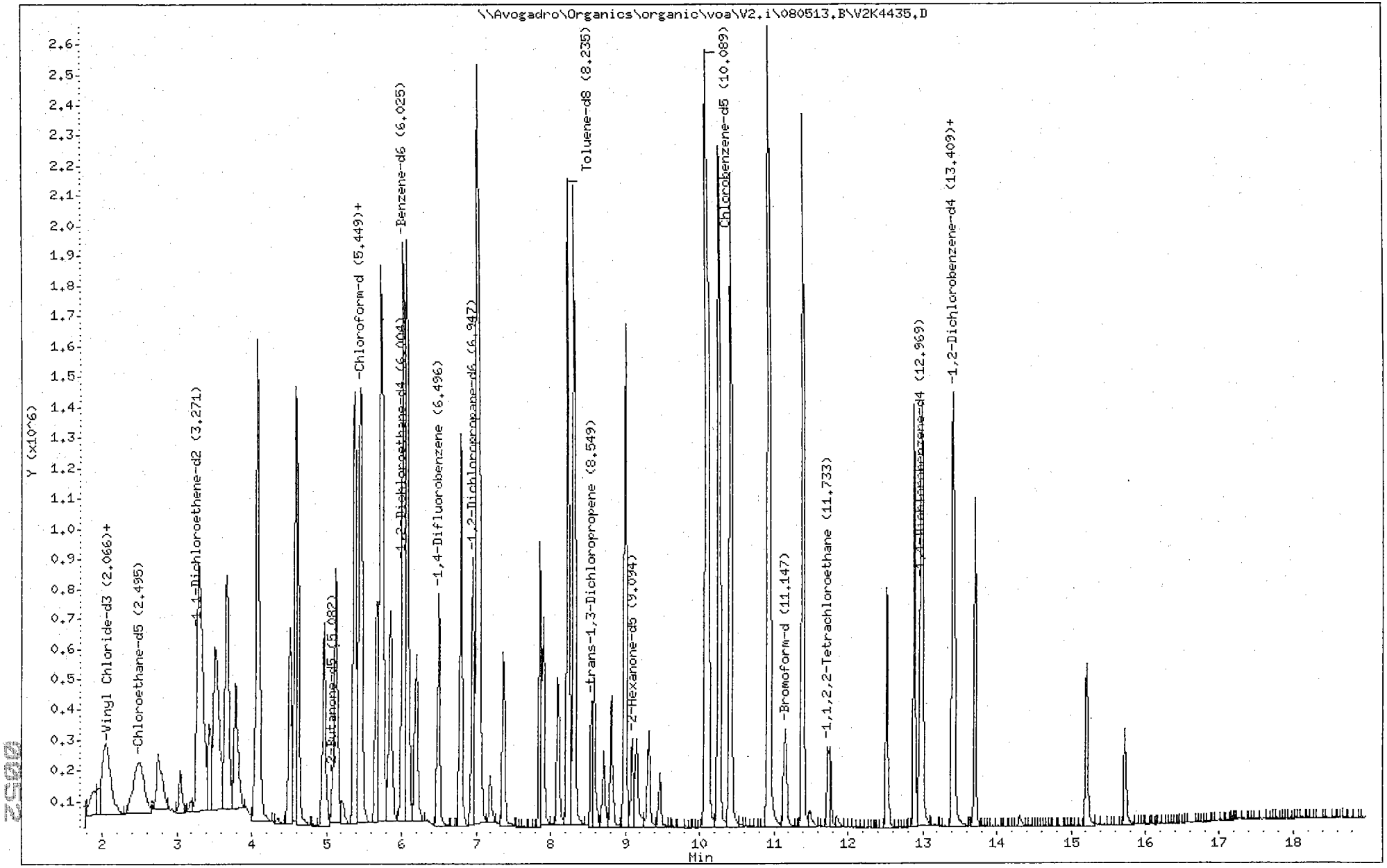
5/15/08

H2A

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4435.D
Date : 13-MAY-2008 13:49
Client ID: VSTD01020
Instrument: V2.i
Sample Info: 25ML,VSTD01020,VSTD01020
Purge Volume: 25.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4435.D
Report Date: 15-May-2008 16:15

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4435.D
Lab Smp Id: VSTD0102O Client Smp ID: VSTD0102O
Inj Date : 13-MAY-2008 13:49
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD0102O,VSTD0102O
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 13:17 Cal File: V2K4434.D
Als bottle: 28 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.846	1.822	(0.284)	210476	10.0000	9.9
2 Chloromethane	50	1.961	1.958	(0.302)	412772	10.0000	12
$ 79 Vinyl Chloride-d3	65	2.066	2.063	(0.318)	519957	10.0000	9.6
3 Vinyl Chloride	62	2.076	2.074	(0.320)	345915	10.0000	11
4 Bromomethane	94	2.422	2.419	(0.373)	230492	10.0000	11(Q)
$ 80 Chloroethane-d5	69	2.505	2.513	(0.386)	374999	10.0000	9.8
5 Chloroethane	64	2.537	2.545	(0.391)	239940	10.0000	13
6 Trichlorofluoromethane	101	2.757	2.754	(0.424)	579929	10.0000	9.5
$ 81 1,1-Dichloroethene-d2	100	3.270	3.278	(0.503)	149448	10.0000	11(Q)
7 1,1-Dichloroethene	96	3.291	3.288	(0.507)	296974	10.0000	9.2(Q)
8 Freon113	101	3.291	3.299	(0.507)	539101	10.0000	8.2
9 Acetone	43	3.354	3.351	(0.516)	130587	50.0000	40
10 Carbon Disulfide	76	3.521	3.519	(0.542)	1883804	10.0000	9.8
11 Methyl Acetate	43	3.689	3.686	(0.568)	204999	10.0000	7.0
12 Methylene Chloride	84	3.783	3.791	(0.582)	381176	10.0000	8.9
13 trans-1,2-Dichloroethene	96	4.076	4.074	(0.628)	495167	10.0000	9.4
14 Methyl tert-Butyl Ether	73	4.076	4.074	(0.628)	1016439	10.0000	9.6
15 1,1-Dichloroethane	63	4.506	4.514	(0.694)	968050	10.0000	9.4
$ 82 2-Butanone-d5	46	5.082	5.090	(0.782)	251353	50.0000	50
17 cis-1,2-Dichloroethene	96	5.124	5.121	(0.789)	467035	10.0000	9.2
16 2-Butanone	43	5.145	5.153	(0.792)	225553	50.0000	48
18 Bromochloromethane	128	5.386	5.383	(0.829)	145151	10.0000	9.5

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4435.D
Report Date: 15-May-2008 16:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.449	5.446	(0.839)	949226	10.0000	9.6
	19 Chloroform	83	5.459	5.467	(0.840)	826509	10.0000	8.7
	20 1,1,1-Trichloroethane	97	5.668	5.676	(0.562)	737531	10.0000	9.6
	21 Cyclohexane	56	5.731	5.729	(0.569)	1444623	10.0000	8.6
	22 Carbon Tetrachloride	117	5.857	5.854	(0.581)	622806	10.0000	9.5
$	23 1,2-Dichloroethane-d4	65	6.004	6.012	(0.924)	304293	10.0000	9.3
$	84 Benzene-d6	84	6.025	6.033	(0.598)	2028353	10.0000	9.7
	25 Benzene	78	6.066	6.074	(0.602)	1882625	10.0000	9.4
	24 1,2-Dichloroethane	62	6.087	6.095	(0.937)	352166	10.0000	9.3
*	26 1,4-Difluorobenzene	114	6.496	6.493	(1.000)	752684	5.00000	
	27 Trichloroethene	95	6.789	6.797	(0.674)	536081	10.0000	9.0
$	85 1,2-Dichloropropane-d6	67	6.946	6.944	(0.689)	512399	10.0000	9.8
	28 Methylcyclohexane	83	7.020	7.017	(0.697)	1273090	10.0000	8.3
	29 1,2-Dichloropropane	63	7.051	7.048	(0.700)	421057	10.0000	9.6
	30 Bromodichloromethane	83	7.365	7.373	(0.731)	453341	10.0000	10
	31 cis-1,3-Dichloropropene	75	7.910	7.907	(0.785)	522033	10.0000	10
	32 4-Methyl-2-Pentanone	43	8.098	8.106	(0.804)	511516	50.0000	56
$	33 Toluene-d8	98	8.234	8.232	(0.817)	1664879	10.0000	9.8
	34 Toluene	91	8.318	8.316	(0.825)	1864000	10.0000	9.6
$	86 trans-1,3-Dichloropropene-d4	79	8.549	8.557	(0.848)	293627	10.0000	12
	35 trans-1,3-Dichloropropene	75	8.591	8.588	(0.852)	337851	10.0000	11
	36 1,1,2-Trichloroethane	97	8.821	8.818	(0.875)	165884	10.0000	10
	37 Tetrachloroethene	164	8.999	8.997	(0.893)	462275	10.0000	9.2
$	87 2-Hexanone-d5	63	9.093	9.091	(0.902)	124836	50.0000	65
	38 2-Hexanone	43	9.156	9.154	(0.909)	348266	50.0000	69
	39 Dibromochloromethane	129	9.313	9.321	(0.924)	210759	10.0000	10
	40 1,2-Dibromoethane	107	9.470	9.468	(0.940)	152698	10.0000	10
*	42 Chlorobenzene-d5	117	10.078	10.075	(1.000)	513153	5.00000	
	43 Chlorobenzene	112	10.109	10.117	(1.003)	1075782	10.0000	6.9
	44 Ethylbenzene	91	10.256	10.264	(1.018)	2132927	10.0000	9.9
	45 m,p-Xylene	106	10.413	10.410	(1.033)	792458	20.0000	20
	46 o-Xylene	106	10.926	10.924	(1.084)	696207	10.0000	10
	47 Styrene	104	10.947	10.945	(1.086)	885348	10.0000	12
$	88 Bromoform-d	174	11.146	11.144	(0.859)	165222	10.0000	8.8
	48 Bromoform	173	11.167	11.165	(0.861)	101758	10.0000	10
	49 Isopropylbenzene	105	11.397	11.395	(1.131)	2000132	10.0000	10
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.733	11.730	(1.164)	161173	10.0000	10
	51 1,1,2,2-Tetrachloroethane	83	11.764	11.762	(1.167)	153762	10.0000	11
	52 1,3-Dichlorobenzene	146	12.885	12.893	(0.994)	632039	10.0000	9.6
*	78 1,4-Dichlorobenzene-d4	152	12.968	12.966	(1.000)	203414	5.00000	
	53 1,4-Dichlorobenzene	146	12.989	12.997	(1.002)	666126	10.0000	9.4
$	90 1,2-Dichlorobenzene-d4	152	13.398	13.406	(1.033)	314296	10.0000	10
	54 1,2-Dichlorobenzene	146	13.419	13.427	(1.035)	495702	10.0000	10
	55 1,2-Dibromo-3-chloropropane	75	14.309	14.307	(1.103)	17244	10.0000	12
	56 1,2,4-Trichlorobenzene	180	15.210	15.218	(1.173)	209139	10.0000	14
	77 1,2,3-Trichlorobenzene	180	15.733	15.731	(1.213)	131489	10.0000	13

QC Flag Legend

Q - Qualifier signal failed the ratio test.

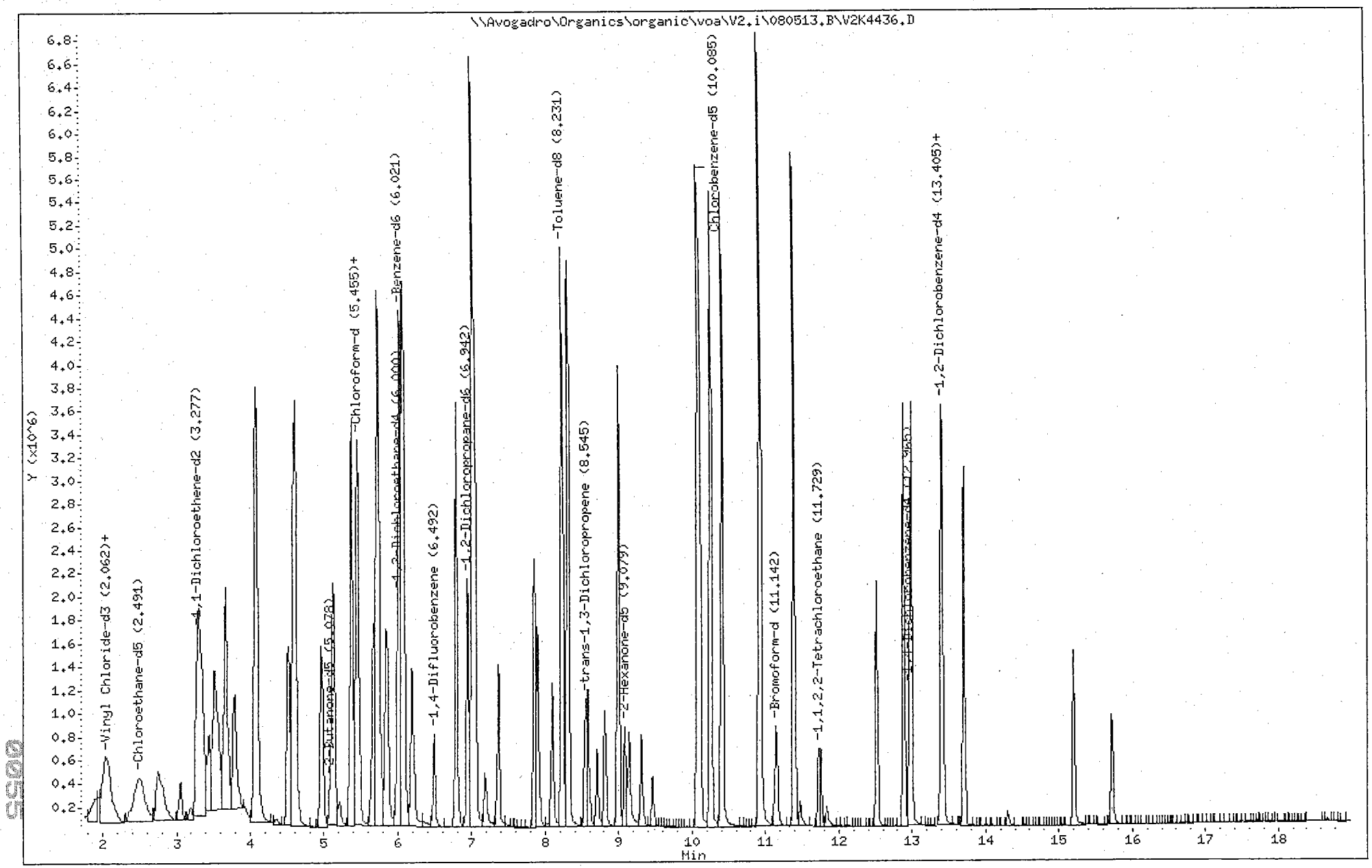
5/13/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4436.D
Date : 13-MAY-2008 14:21
Client ID: VSTD02520
Sample Info: 25ML,VSTD02520,VSTD02520
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4436.D
Report Date: 15-May-2008 16:15

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4436.D
Lab Smp Id: VSTD02520 Client Smp ID: VSTD02520
Inj Date : 13-MAY-2008 14:21
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD02520,VSTD02520
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080513.B\v2OLC3.m
Meth Date : 14-May-2008 16:06 wluo Quant Type: ISTD
Cal Date : 13-MAY-2008 13:17 Cal File: V2K4434.D
Als bottle: 29 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.862	1.822	(0.287)	800292	25.0000	38(A)
	2 Chloromethane	50	1.946	1.958	(0.300)	1050380	25.0000	29(A)
$	79 Vinyl Chloride-d3	65	2.061	2.063	(0.318)	1442298	25.0000	27(A)
	3 Vinyl Chloride	62	2.072	2.074	(0.319)	824033	25.0000	26(A)
	4 Bromomethane	94	2.428	2.419	(0.374)	530243	25.0000	24
$	80 Chloroethane-d5	69	2.501	2.513	(0.385)	876535	25.0000	23
	5 Chloroethane	64	2.533	2.545	(0.390)	539709	25.0000	28(A)
	6 Trichlorofluoromethane	101	2.753	2.754	(0.424)	1473758	25.0000	25
$	81 1,1-Dichloroethene-d2	100	3.276	3.278	(0.505)	387409	25.0000	28(A)
	7 1,1-Dichloroethene	96	3.287	3.288	(0.506)	798021	25.0000	25
	8 Freon113	101	3.308	3.299	(0.510)	1387994	25.0000	22
	9 Acetone	43	3.350	3.351	(0.516)	281531	125.000	92
	10 Carbon Disulfide	76	3.517	3.519	(0.542)	4428008	25.0000	23
	11 Methyl Acetate	43	3.685	3.686	(0.568)	492672	25.0000	18
	12 Methylene Chloride	84	3.789	3.791	(0.584)	898230	25.0000	22
	13 trans-1,2-Dichloroethene	96	4.072	4.074	(0.627)	1209903	25.0000	23
	14 Methyl tert-Butyl Ether	73	4.072	4.074	(0.627)	2411938	25.0000	23
	15 1,1-Dichloroethane	63	4.512	4.514	(0.695)	2279186	25.0000	23
$	82 2-Butanone-d5	46	5.078	5.090	(0.782)	630578	125.000	130(A)
	17 cis-1,2-Dichloroethene	96	5.120	5.121	(0.789)	1118566	25.0000	23
	16 2-Butanone	43	5.141	5.153	(0.792)	545098	125.000	120
	18 Bromochloromethane	128	5.381	5.383	(0.829)	344417	25.0000	23

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4436.D
Report Date: 15-May-2008 16:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.444	5.446	(0.839)	2209602	25.0000	23
	19 Chloroform	83	5.465	5.467	(0.842)	1913933	25.0000	21
	20 1,1,1-Trichloroethane	97	5.664	5.676	(0.562)	1698245	25.0000	22
	21 Cyclohexane	56	5.727	5.729	(0.569)	3628504	25.0000	22
	22 Carbon Tetrachloride	117	5.853	5.854	(0.581)	1516805	25.0000	23
$	23 1,2-Dichloroethane-d4	65	5.999	6.012	(0.924)	723140	25.0000	23
$	84 Benzene-d6	84	6.020	6.033	(0.598)	4802971	25.0000	23
	25 Benzene	78	6.073	6.074	(0.603)	4438080	25.0000	22
	24 1,2-Dichloroethane	62	6.083	6.095	(0.937)	834365	25.0000	23
*	26 1,4-Difluorobenzene	114	6.492	6.493	(1.000)	747158	5.00000	
	27 Trichloroethene	95	6.785	6.797	(0.674)	1352196	25.0000	23
$	85 1,2-Dichloropropane-d6	67	6.942	6.944	(0.689)	1237705	25.0000	23
	28 Methylcyclohexane	83	7.015	7.017	(0.696)	3423138	25.0000	23
	29 1,2-Dichloropropane	63	7.047	7.048	(0.700)	998050	25.0000	22
	30 Bromodichloromethane	83	7.361	7.373	(0.731)	1089113	25.0000	24
	31 cis-1,3-Dichloropropene	75	7.895	7.907	(0.784)	1269056	25.0000	24
	32 4-Methyl-2-Pentanone	43	8.094	8.106	(0.803)	1217114	125.000	130 (A)
$	33 Toluene-d8	98	8.230	8.232	(0.817)	3900166	25.0000	22
	34 Toluene	91	8.314	8.316	(0.825)	4380978	25.0000	22
$	86 trans-1,3-Dichloropropene-d4	79	8.544	8.557	(0.848)	714384	25.0000	27 (A)
	35 trans-1,3-Dichloropropene	75	8.586	8.588	(0.852)	827761	25.0000	26 (A)
	36 1,1,2-Trichloroethane	97	8.817	8.818	(0.875)	384054	25.0000	23
	37 Tetrachloroethene	164	8.995	8.997	(0.893)	1088985	25.0000	22
$	87 2-Hexanone-d5	63	9.079	9.091	(0.901)	371538	125.000	170 (AQ)
	38 2-Hexanone	43	9.141	9.154	(0.907)	850736	125.000	150 (A)
	39 Dibromochloromethane	129	9.309	9.321	(0.924)	528878	25.0000	25
	40 1,2-Dibromoethane	107	9.466	9.468	(0.940)	390750	25.0000	25
*	42 Chlorobenzene-d5	117	10.074	10.075	(1.000)	528083	5.00000	
	43 Chlorobenzene	112	10.105	10.117	(1.003)	2458682	25.0000	17
	44 Ethylbenzene	91	10.252	10.264	(1.018)	5007172	25.0000	23
	45 m,p-Xylene	106	10.409	10.410	(1.033)	1946429	50.0000	48
	46 o-Xylene	106	10.922	10.924	(1.084)	1676726	25.0000	24
	47 Styrene	104	10.943	10.945	(1.086)	2202951	25.0000	28 (A)
$	88 Bromoform-d	174	11.142	11.144	(0.859)	431475	25.0000	22
	48 Bromoform	173	11.163	11.165	(0.861)	261200	25.0000	24
	49 Isopropylbenzene	105	11.393	11.395	(1.131)	4801946	25.0000	23
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.728	11.730	(1.164)	407509	25.0000	25
	51 1,1,2,2-Tetrachloroethane	83	11.760	11.762	(1.167)	377840	25.0000	25
	52 1,3-Dichlorobenzene	146	12.880	12.893	(0.994)	1690810	25.0000	24
*	78 1,4-Dichlorobenzene-d4	152	12.964	12.966	(1.000)	221673	5.00000	(Q)
	53 1,4-Dichlorobenzene	146	12.985	12.997	(1.002)	1651124	25.0000	22
$	90 1,2-Dichlorobenzene-d4	152	13.394	13.406	(1.033)	796098	25.0000	23
	54 1,2-Dichlorobenzene	146	13.415	13.427	(1.035)	1228962	25.0000	23
	55 1,2-Dibromo-3-chloropropane	75	14.305	14.307	(1.103)	40798	25.0000	25
	56 1,2,4-Trichlorobenzene	180	15.206	15.218	(1.173)	588482	25.0000	33 (A)
	77 1,2,3-Trichlorobenzene	180	15.729	15.731	(1.213)	355613	25.0000	30 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

5/15/08

HZA

7A - FORM VII VOA-1

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: V2 Calibration Date: 06/05/2008 Time: 10:05

Lab File ID: V2K4622.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.156	0.124		-20.6	
Chloromethane	0.252	0.258		2.6	
Vinyl chloride	0.215	0.217	0.100	0.5	30.0
Bromomethane	0.146	0.119	0.100	-18.7	30.0
Chloroethane	0.132	0.132		-0.1	
Trichlorofluoromethane	0.399	0.399		0.0	
1,1-Dichloroethene	0.211	0.192	0.100	-9.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.406	0.360		-11.3	
Acetone	0.019	0.022		11.6	
Carbon disulfide	1.252	1.189		-5.0	
Methyl acetate	0.170	0.148		-12.7	
Methylene chloride	0.270	0.254		-5.9	
trans-1,2-Dichloroethene	0.342	0.340		-0.5	
Methyl tert-butyl ether	0.687	0.696		1.3	
1,1-Dichloroethane	0.661	0.648	0.200	-1.9	30.0
cis-1,2-Dichloroethene	0.324	0.310		-4.4	
2-Butanone	0.031	0.030		-1.8	
Bromochloromethane	0.099	0.100	0.050	1.2	30.0
Chloroform	0.589	0.576	0.200	-2.3	30.0
1,1,1-Trichloroethane	0.723	0.737	0.100	1.9	30.0
Cyclohexane	1.535	1.295		-15.7	
Carbon tetrachloride	0.618	0.650	0.100	5.2	30.0
Benzene	1.876	1.731	0.400	-7.8	30.0
1,2-Dichloroethane	0.243	0.256	0.100	5.5	30.0
Trichloroethene	0.555	0.521	0.300	-6.0	30.0
Methylcyclohexane	1.409	1.198		-15.0	

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

7B - FORM VII VOA-2

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: V2 Calibration Date: 06/05/2008 Time: 10:05

Lab File ID: V2K4622.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.415	0.374		-9.7	
Bromodichloromethane	0.431	0.435	0.200	0.9	30.0
cis-1,3-Dichloropropene	0.494	0.482	0.200	-2.3	30.0
4-Methyl-2-pentanone	0.091	0.094		2.9	
Toluene	1.828	1.782	0.400	-2.5	30.0
trans-1,3-Dichloropropene	0.305	0.317	0.100	3.9	30.0
1,1,2-Trichloroethane	0.156	0.156	0.100	-0.1	30.0
Tetrachloroethene	0.466	0.460	0.100	-1.2	30.0
2-Hexanone	0.056	0.056		-0.3	
Dibromochloromethane	0.199	0.216	0.100	9.0	30.0
1,2-Dibromoethane	0.148	0.155	0.100	4.7	30.0
Chlorobenzene	1.303	0.991	0.500	-23.9	30.0
Ethylbenzene	2.050	2.031	0.100	-0.9	30.0
Xylenes (Total)	0.663	0.655	0.300	-1.3	30.0
Styrene	0.758	0.815	0.300	7.6	30.0
Bromoform	0.245	0.274	0.050	11.8	30.0
Isopropylbenzene	1.923	1.974		2.6	
1,1,2,2-Tetrachloroethane	0.142	0.142	0.100	0.2	30.0
1,3-Dichlorobenzene	1.588	1.651	0.400	4.0	30.0
1,4-Dichlorobenzene	1.670	1.593	0.400	-4.6	30.0
1,2-Dichlorobenzene	1.188	1.165	0.400	-2.0	30.0
1,2-Dibromo-3-chloropropane	0.037	0.044		20.0	
1,2,4-Trichlorobenzene	0.424	0.477	0.200	12.5	30.0
1,2,3-Trichlorobenzene	0.278	0.302	0.200	8.7	30.0

7C - FORM VII VOA-3

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: V2 Calibration Date: 06/05/2008 Time: 10:05

Lab File ID: V2K4622.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005B2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.361	0.353		-2.4	
Chloroethane-d5	0.249	0.221		-11.3	
1,1-Dichloroethene-d2	0.095	0.101		6.0	
2-Butanone-d5	0.033	0.033		-1.3	
Chloroform-d	0.637	0.639		0.2	
1,2-Dichloroethane-d4	0.210	0.214		2.0	
Benzene-d6	1.976	1.755		-11.2	
1,2-Dichloropropane-d6	0.499	0.464		-6.8	
Toluene-d8	1.612	1.555		-3.5	
trans-1,3-Dichloropropene-d4	0.255	0.266		4.6	
2-Hexanone-d5	0.022	0.024		8.1	
Bromoform-d	0.436	0.655		50.2	
1,1,2,2-Tetrachloroethane-d2	0.154	0.141		-8.5	
1,2-Dichlorobenzene-d4	0.760	0.747		-1.7	

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

7A - FORM VII VOA-1

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: V2 Calibration Date: 06/06/2008 Time: 9:11

Lab File ID: V2K4642.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.156	0.182		16.9	
Chloromethane	0.252	0.246		-2.0	
Vinyl chloride	0.215	0.186	0.100	-13.9	30.0
Bromomethane	0.146	0.143	0.100	-2.5	30.0
Chloroethane	0.132	0.124		-5.6	
Trichlorofluoromethane	0.399	0.398		-0.2	
1,1-Dichloroethene	0.211	0.194	0.100	-8.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.406	0.374		-7.9	
Acetone	0.019	0.020		3.1	
Carbon disulfide	1.252	1.111		-11.3	
Methyl acetate	0.170	0.112		-34.2	
Methylene chloride	0.270	0.217		-19.9	
trans-1,2-Dichloroethene	0.342	0.279		-18.4	
Methyl tert-butyl ether	0.687	0.621		-9.6	
1,1-Dichloroethane	0.661	0.592	0.200	-10.3	30.0
cis-1,2-Dichloroethene	0.324	0.265		-18.4	
2-Butanone	0.031	0.027		-13.2	
Bromochloromethane	0.099	0.085	0.050	-14.3	30.0
Chloroform	0.589	0.543	0.200	-7.9	30.0
1,1,1-Trichloroethane	0.723	0.717	0.100	-0.8	30.0
Cyclohexane	1.535	1.277		-16.8	
Carbon tetrachloride	0.618	0.616	0.100	-0.2	30.0
Benzene	1.876	1.584	0.400	-15.6	30.0
1,2-Dichloroethane	0.243	0.249	0.100	2.5	30.0
Trichloroethene	0.555	0.470	0.300	-15.4	30.0
Methylcyclohexane	1.409	1.191		-15.5	

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

7B - FORM VII VOA-2

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: V2 Calibration Date: 06/06/2008 Time: 9:11

Lab File ID: V2K4642.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.415	0.348		-16.1	
Bromodichloromethane	0.431	0.414	0.200	-4.1	30.0
cis-1,3-Dichloropropene	0.494	0.431	0.200	-12.6	30.0
4-Methyl-2-pentanone	0.091	0.076		-17.2	
Toluene	1.828	1.565	0.400	-14.4	30.0
trans-1,3-Dichloropropene	0.305	0.288	0.100	-5.5	30.0
1,1,2-Trichloroethane	0.156	0.134	0.100	-14.0	30.0
Tetrachloroethene	0.466	0.411	0.100	-11.6	30.0
2-Hexanone	0.056	0.047		-15.4	
Dibromochloromethane	0.199	0.188	0.100	-5.1	30.0
1,2-Dibromoethane	0.148	0.133	0.100	-10.1	30.0
Chlorobenzene	1.303	0.869	0.500	-33.3	30.0
Ethylbenzene	2.050	1.828	0.100	-10.8	30.0
Xylenes (Total)	0.663	1.241	0.300	87.1	30.0
Styrene	0.758	0.713	0.300	-5.9	30.0
Bromoform	0.245	0.247	0.050	0.7	30.0
Isopropylbenzene	1.923	1.797		-6.5	
1,1,2,2-Tetrachloroethane	0.142	0.118	0.100	-17.1	30.0
1,3-Dichlorobenzene	1.588	1.477	0.400	-7.0	30.0
1,4-Dichlorobenzene	1.670	1.499	0.400	-10.3	30.0
1,2-Dichlorobenzene	1.188	1.062	0.400	-10.6	30.0
1,2-Dibromo-3-chloropropane	0.037	0.032		-13.5	
1,2,4-Trichlorobenzene	0.424	0.417	0.200	-1.7	30.0
1,2,3-Trichlorobenzene	0.278	0.276	0.200	-0.7	30.0

7C - FORM VII VOA-3

VOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: V2 Calibration Date: 06/06/2008 Time: 9:11

Lab File ID: V2K4642.D Init. Calib. Date(s): 05/13/2008 05/13/2008

EPA Sample No.(VSTD#####): VSTD005C2 Init. Calib. Time(s): 11:54 14:21

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.361	0.360		-0.5	
Chloroethane-d5	0.249	0.246		-1.1	
1,1-Dichloroethene-d2	0.095	0.096		0.8	
2-Butanone-d5	0.033	0.029		-14.4	
Chloroform-d	0.637	0.684		7.4	
1,2-Dichloroethane-d4	0.210	0.238		13.5	
Benzene-d6	1.976	1.977		0.1	
1,2-Dichloropropane-d6	0.499	0.438		-12.2	
Toluene-d8	1.612	1.572		-2.5	
trans-1,3-Dichloropropene-d4	0.255	0.274		7.8	
2-Hexanone-d5	0.022	0.018		-15.6	
Bromoform-d	0.436	0.679		55.7	
1,1,2,2-Tetrachloroethane-d2	0.154	0.145		-6.4	
1,2-Dichlorobenzene-d4	0.760	0.759		-0.1	

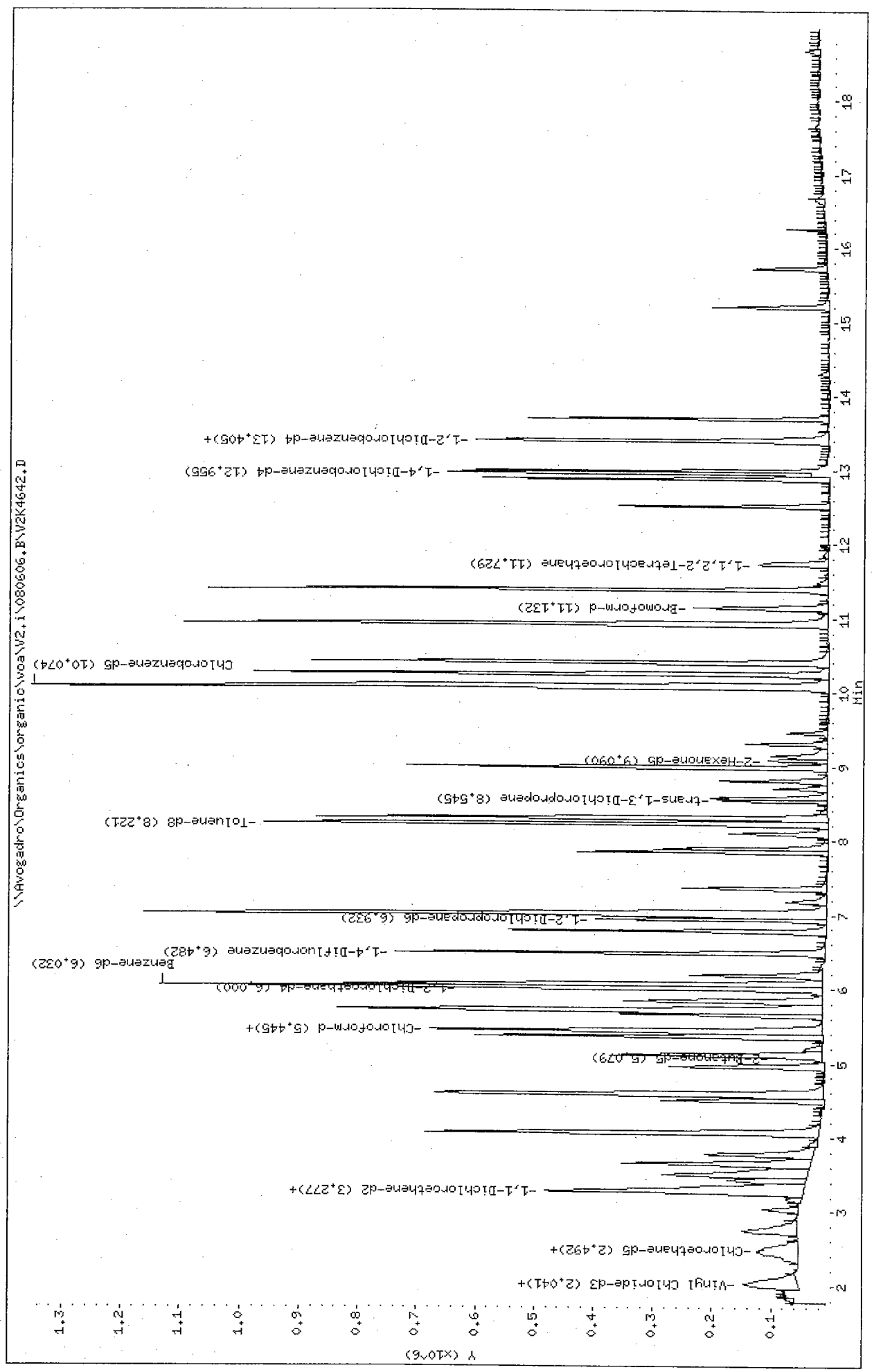
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4642.D
Date : 06-JUN-2008 09:11
Client ID: VSTD005C2
Sample Info: 25ML,VSTD005C2,VSTD005C2
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4642.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4642.D
Lab Smp Id: VSTD005C2 Client Smp ID: VSTD005C2
Inj Date : 06-JUN-2008 09:11
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD005C2,VSTD005C2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.842	1.842	(0.284)	120397	5.00000	5.8
2	Chloromethane	50	1.957	1.957	(0.302)	162913	5.00000	4.9
$ 79	Vinyl Chloride-d3	65	2.041	2.041	(0.315)	237743	5.00000	5.0
3	Vinyl Chloride	62	2.051	2.051	(0.317)	122618	5.00000	4.3
4	Bromomethane	94	2.428	2.428	(0.375)	94311	5.00000	4.9
$ 80	Chloroethane-d5	69	2.491	2.491	(0.384)	162885	5.00000	4.9
5	Chloroethane	64	2.491	2.491	(0.384)	82285	5.00000	4.7(Q)
6	Trichlorofluoromethane	101	2.742	2.742	(0.423)	263084	5.00000	5.0
$ 81	1,1-Dichloroethene-d2	100	3.266	3.266	(0.504)	63539	5.00000	5.0
7	1,1-Dichloroethene	96	3.277	3.277	(0.506)	128074	5.00000	4.6
8	Freon113	101	3.287	3.287	(0.507)	247463	5.00000	4.6
9	Acetone	43	3.339	3.339	(0.515)	66314	25.0000	26
10	Carbon Disulfide	76	3.497	3.497	(0.539)	733977	5.00000	4.4
11	Methyl Acetate	43	3.675	3.675	(0.567)	73868	5.00000	3.3
12	Methylene Chloride	84	3.779	3.779	(0.583)	143114	5.00000	4.0
13	trans-1,2-Dichloroethene	96	4.062	4.062	(0.627)	184236	5.00000	4.1
14	Methyl tert-Butyl Ether	73	4.073	4.073	(0.628)	410694	5.00000	4.5
15	1,1-Dichloroethane	63	4.502	4.502	(0.695)	391528	5.00000	4.5
$ 82	2-Butanone-d5	46	5.078	5.078	(0.783)	94557	25.0000	21
17	cis-1,2-Dichloroethene	96	5.109	5.109	(0.788)	174848	5.00000	4.1
16	2-Butanone	43	5.141	5.141	(0.793)	87727	25.0000	22
18	Bromochloromethane	128	5.371	5.371	(0.829)	55946	5.00000	4.3

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4642.D
Report Date: 09-Jun-2008 11:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.434	5.434	(0.838)	452391	5.00000	5.4
	19 Chloroform	83	5.455	5.455	(0.842)	358772	5.00000	4.6
	20 1,1,1-Trichloroethane	97	5.665	5.665	(0.563)	337408	5.00000	5.0
	21 Cyclohexane	56	5.717	5.717	(0.568)	600643	5.00000	4.2
	22 Carbon Tetrachloride	117	5.843	5.843	(0.581)	289901	5.00000	5.0
$	23 1,2-Dichloroethane-d4	65	6.000	6.000	(0.926)	157609	5.00000	5.7
$	84 Benzene-d6	84	6.031	6.031	(0.599)	930109	5.00000	5.0
	25 Benzene	78	6.063	6.063	(0.602)	744958	5.00000	4.2
	24 1,2-Dichloroethane	62	6.073	6.073	(0.937)	164255	5.00000	5.1
*	26 1,4-Difluorobenzene	114	6.482	6.482	(1.000)	660928	5.00000	
	27 Trichloroethene	95	6.785	6.785	(0.674)	220967	5.00000	4.2
$	85 1,2-Dichloropropane-d6	67	6.932	6.932	(0.689)	205870	5.00000	4.4
	28 Methylcyclohexane	83	7.005	7.005	(0.696)	560204	5.00000	4.2
	29 1,2-Dichloropropane	63	7.037	7.037	(0.699)	163683	5.00000	4.2
	30 Bromodichloromethane	83	7.361	7.361	(0.732)	194547	5.00000	4.8
	31 cis-1,3-Dichloropropene	75	7.895	7.895	(0.785)	202838	5.00000	4.4
	32 4-Methyl-2-Pentanone	43	8.094	8.094	(0.804)	178001	25.0000	21
$	33 Toluene-d8	98	8.220	8.220	(0.817)	739461	5.00000	4.9
	34 Toluene	91	8.304	8.304	(0.825)	736008	5.00000	4.3
$	86 trans-1,3-Dichloropropene-d4	79	8.545	8.545	(0.849)	129034	5.00000	5.4
	35 trans-1,3-Dichloropropene	75	8.576	8.576	(0.852)	135690	5.00000	4.7
	36 1,1,2-Trichloroethane	97	8.807	8.807	(0.875)	63140	5.00000	4.3
	37 Tetrachloroethene	164	8.985	8.985	(0.893)	193557	5.00000	4.4
$	87 2-Hexanone-d5	63	9.079	9.079	(0.902)	43225	25.0000	21 (Q)
	38 2-Hexanone	43	9.142	9.142	(0.908)	111151	25.0000	21
	39 Dibromochloromethane	129	9.309	9.309	(0.925)	88647	5.00000	4.7
	40 1,2-Dibromoethane	107	9.456	9.456	(0.940)	62532	5.00000	4.5
*	42 Chlorobenzene-d5	117	10.063	10.063	(1.000)	470400	5.00000	
	43 Chlorobenzene	112	10.105	10.105	(1.004)	408584	5.00000	3.3
	44 Ethylbenzene	91	10.252	10.252	(1.019)	860055	5.00000	4.5
	45 m,p-Xylene	106	10.409	10.409	(1.034)	315194	10.0000	8.8
	46 o-Xylene	106	10.912	10.912	(1.084)	268535	5.00000	4.3
	47 Styrene	104	10.933	10.933	(1.086)	335361	5.00000	4.7
$	88 Bromoform-d	174	11.132	11.132	(0.859)	125113	5.00000	7.8
	48 Bromoform	173	11.163	11.163	(0.862)	45503	5.00000	5.0
	49 Isopropylbenzene	105	11.383	11.383	(1.131)	845497	5.00000	4.7
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.165)	68000	5.00000	4.7
	51 1,1,2,2-Tetrachloroethane	83	11.760	11.760	(1.169)	55471	5.00000	4.1
	52 1,3-Dichlorobenzene	146	12.881	12.881	(0.994)	272221	5.00000	4.7
*	78 1,4-Dichlorobenzene-d4	152	12.954	12.954	(1.000)	184304	5.00000	
	53 1,4-Dichlorobenzene	146	12.986	12.986	(1.002)	276213	5.00000	4.5
$	90 1,2-Dichlorobenzene-d4	152	13.394	13.394	(1.034)	139936	5.00000	5.0
	54 1,2-Dichlorobenzene	146	13.415	13.415	(1.036)	195711	5.00000	4.5
	55 1,2-Dibromo-3-chloropropane	75	14.305	14.305	(1.104)	5834	5.00000	4.3 (Q)
	56 1,2,4-Trichlorobenzene	180	15.206	15.206	(1.174)	76835	5.00000	4.9
	77 1,2,3-Trichlorobenzene	180	15.730	15.730	(1.214)	50846	5.00000	5.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.

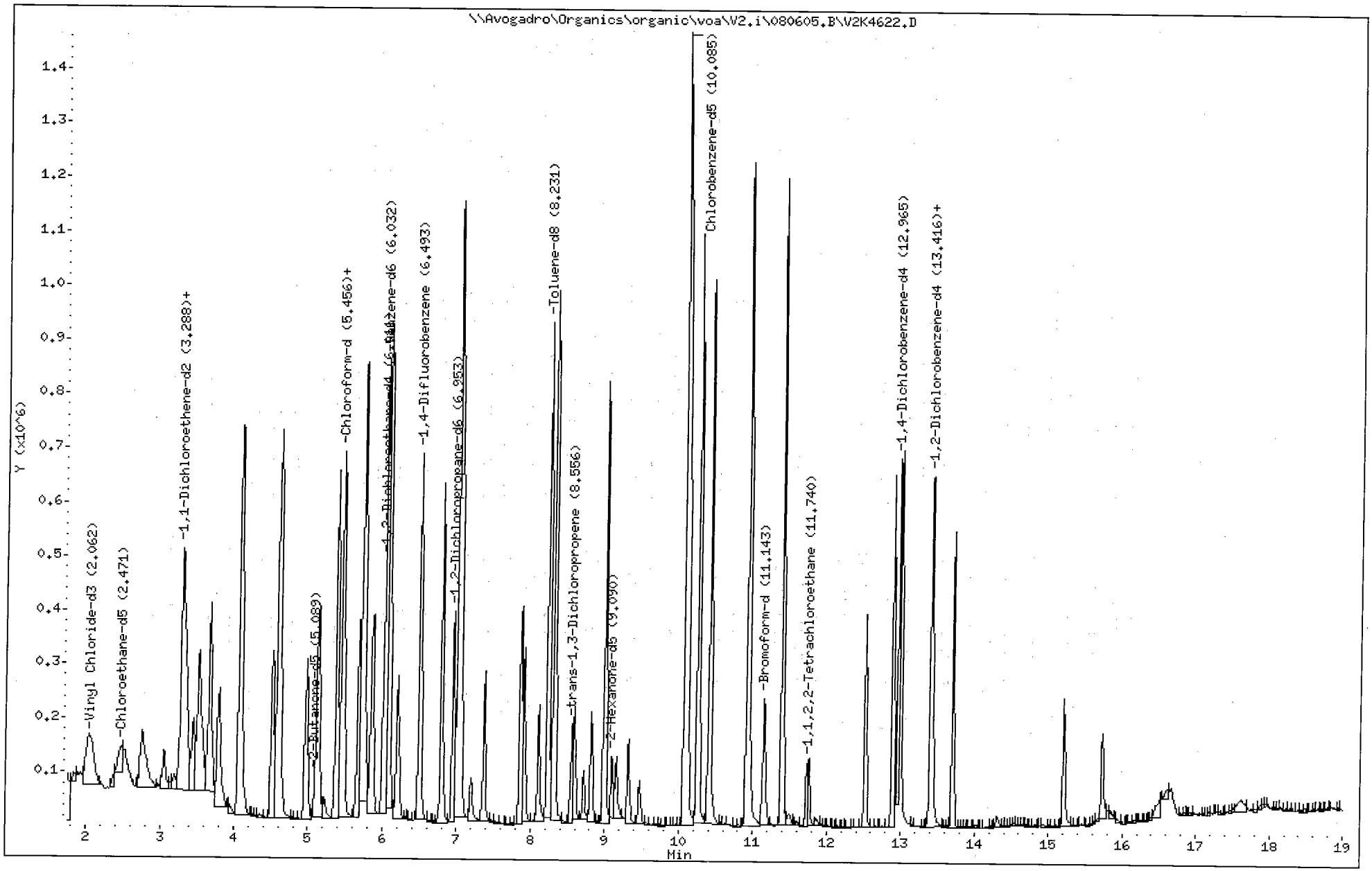
ML
6/9/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4622.D
Date : 05-JUN-2008 10:05
Client ID: VSTD005B2
Sample Info: 25ML,VSTD005B2,VSTD005B2
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4622.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4622.D
Lab Smp Id: VSTD005B2 Client Smp ID: VSTD005B2
Inj Date : 05-JUN-2008 10:05
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VSTD005B2,VSTD005B2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.852	1.852	(0.285)	84987	5.00000	4.0
2 Chloromethane	50	1.957	1.957	(0.301)	177450	5.00000	5.1
$ 79 Vinyl Chloride-d3	65	2.062	2.062	(0.317)	242333	5.00000	4.9
3 Vinyl Chloride	62	2.041	2.041	(0.314)	148855	5.00000	5.0
4 Bromomethane	94	2.439	2.439	(0.375)	81767	5.00000	4.1
$ 80 Chloroethane-d5	69	2.470	2.470	(0.380)	151993	5.00000	4.4
5 Chloroethane	64	2.512	2.512	(0.386)	90568	5.00000	5.0
6 Trichlorofluoromethane	101	2.764	2.764	(0.425)	274090	5.00000	5.0
$ 81 1,1-Dichloroethene-d2	100	3.277	3.277	(0.504)	69450	5.00000	5.3
7 1,1-Dichloroethene	96	3.287	3.287	(0.506)	131851	5.00000	4.5
8 Freon113	101	3.298	3.298	(0.507)	247752	5.00000	4.4
9 Acetone	43	3.350	3.350	(0.515)	74710	25.0000	28
10 Carbon Disulfide	76	3.518	3.518	(0.541)	817614	5.00000	4.8
11 Methyl Acetate	43	3.696	3.696	(0.568)	101929	5.00000	4.4
12 Methylene Chloride	84	3.790	3.790	(0.583)	174925	5.00000	4.7
13 trans-1,2-Dichloroethene	96	4.083	4.083	(0.628)	233650	5.00000	5.0
14 Methyl tert-Butyl Ether	73	4.083	4.083	(0.628)	478398	5.00000	5.1
15 1,1-Dichloroethane	63	4.513	4.513	(0.694)	445413	5.00000	4.9
$ 82 2-Butanone-d5	46	5.089	5.089	(0.783)	113336	25.0000	25
17 cis-1,2-Dichloroethene	96	5.131	5.131	(0.789)	213053	5.00000	4.8
16 2-Butanone	43	5.152	5.152	(0.792)	103196	25.0000	25
18 Bromochloromethane	128	5.382	5.382	(0.828)	68683	5.00000	5.1

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4622.D
Report Date: 06-Jun-2008 11:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	83 Chloroform-d	84	5.445	5.445	(0.837)	438975	5.00000	5.0
	19 Chloroform	83	5.466	5.466	(0.841)	395707	5.00000	4.9
	20 1,1,1-Trichloroethane	97	5.675	5.675	(0.563)	361716	5.00000	5.1
	21 Cyclohexane	56	5.738	5.738	(0.570)	635749	5.00000	4.2
	22 Carbon Tetrachloride	117	5.864	5.864	(0.582)	319039	5.00000	5.3
$	23 1,2-Dichloroethane-d4	65	6.010	6.010	(0.924)	147247	5.00000	5.1
$	84 Benzene-d6	84	6.031	6.031	(0.599)	861758	5.00000	4.4
	25 Benzene	78	6.073	6.073	(0.603)	849774	5.00000	4.6
	24 1,2-Dichloroethane	62	6.094	6.094	(0.937)	175817	5.00000	5.3
*	26 1,4-Difluorobenzene	114	6.503	6.503	(1.000)	687375	5.00000	
	27 Trichloroethene	95	6.796	6.796	(0.675)	256028	5.00000	4.7
$	85 1,2-Dichloropropane-d6	67	6.953	6.953	(0.690)	228058	5.00000	4.7
	28 Methylcyclohexane	83	7.016	7.016	(0.696)	588127	5.00000	4.3
	29 1,2-Dichloropropane	63	7.058	7.058	(0.701)	183790	5.00000	4.5
	30 Bromodichloromethane	83	7.372	7.372	(0.732)	213561	5.00000	5.0
	31 cis-1,3-Dichloropropene	75	7.906	7.906	(0.785)	236886	5.00000	4.9
	32 4-Methyl-2-Pentanone	43	8.105	8.105	(0.805)	230742	25.0000	26
$	33 Toluene-d8	98	8.231	8.231	(0.817)	763760	5.00000	4.8
	34 Toluene	91	8.315	8.315	(0.825)	875120	5.00000	4.9
$	86 trans-1,3-Dichloropropene-d4	79	8.555	8.555	(0.849)	130757	5.00000	5.2
	35 trans-1,3-Dichloropropene	75	8.587	8.587	(0.852)	155611	5.00000	5.2
	36 1,1,2-Trichloroethane	97	8.817	8.817	(0.875)	76530	5.00000	5.0
	37 Tetrachloroethene	164	8.995	8.995	(0.893)	225862	5.00000	4.9
$	87 2-Hexanone-d5	63	9.090	9.090	(0.902)	57779	25.0000	27(Q)
	38 2-Hexanone	43	9.152	9.152	(0.909)	136796	25.0000	25
	39 Dibromochloromethane	129	9.320	9.320	(0.925)	106290	5.00000	5.5
	40 1,2-Dibromoethane	107	9.467	9.467	(0.940)	76045	5.00000	5.2
*	42 Chlorobenzene-d5	117	10.074	10.074	(1.000)	491046	5.00000	
	43 Chlorobenzene	112	10.116	10.116	(1.004)	486745	5.00000	3.8
	44 Ethylbenzene	91	10.263	10.263	(1.019)	997493	5.00000	5.0
	45 m,p-Xylene	106	10.420	10.420	(1.034)	376229	10.0000	10
	46 o-Xylene	106	10.922	10.922	(1.084)	321520	5.00000	4.9
	47 Styrene	104	10.943	10.943	(1.086)	400293	5.00000	5.4
$	88 Bromoform-d	174	11.142	11.142	(0.859)	131775	5.00000	7.5
	48 Bromoform	173	11.163	11.163	(0.861)	55170	5.00000	5.6
	49 Isopropylbenzene	105	11.394	11.394	(1.131)	969177	5.00000	5.1
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.164)	69406	5.00000	4.6
	51 1,1,2,2-Tetrachloroethane	83	11.760	11.760	(1.167)	69971	5.00000	5.0
	52 1,3-Dichlorobenzene	146	12.891	12.891	(0.994)	332289	5.00000	5.2
*	78 1,4-Dichlorobenzene-d4	152	12.965	12.965	(1.000)	201229	5.00000	
	53 1,4-Dichlorobenzene	146	12.996	12.996	(1.002)	320584	5.00000	4.8
$	90 1,2-Dichlorobenzene-d4	152	13.405	13.405	(1.034)	150403	5.00000	4.9
	54 1,2-Dichlorobenzene	146	13.426	13.426	(1.036)	234359	5.00000	4.9
	55 1,2-Dibromo-3-chloropropane	75	14.316	14.316	(1.104)	8836	5.00000	6.0(Q)
	56 1,2,4-Trichlorobenzene	180	15.206	15.206	(1.173)	96009	5.00000	5.6
	77 1,2,3-Trichlorobenzene	180	15.730	15.730	(1.213)	60771	5.00000	5.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.

6/6/8

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4431.D

Date : 13-MAY-2008 11:22

Client ID: BFB20

Instrument: V2.i

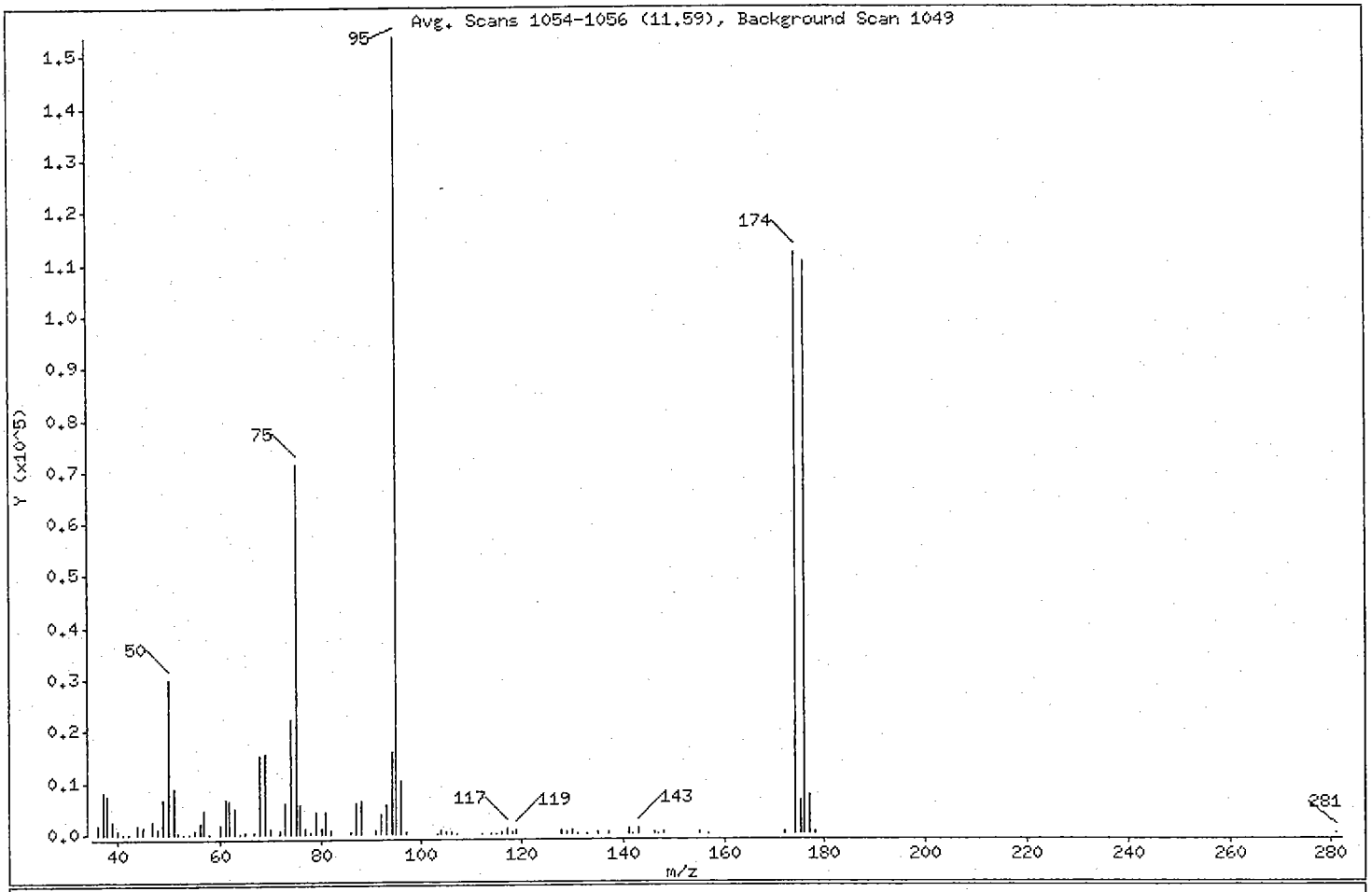
Sample Info: 2UL,BFB20,BFB20

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.45
75	30.00 - 66.00% of mass 95	46.49
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	72.96
175	4.00 - 9.00% of mass 174	4.15 (5.69)
176	93.00 - 101.00% of mass 174	71.62 (98.16)
177	5.00 - 9.00% of mass 176	4.87 (6.80)

MC
5/15/08

Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4431.D

Date : 13-MAY-2008 11:22

Client ID: BFB20

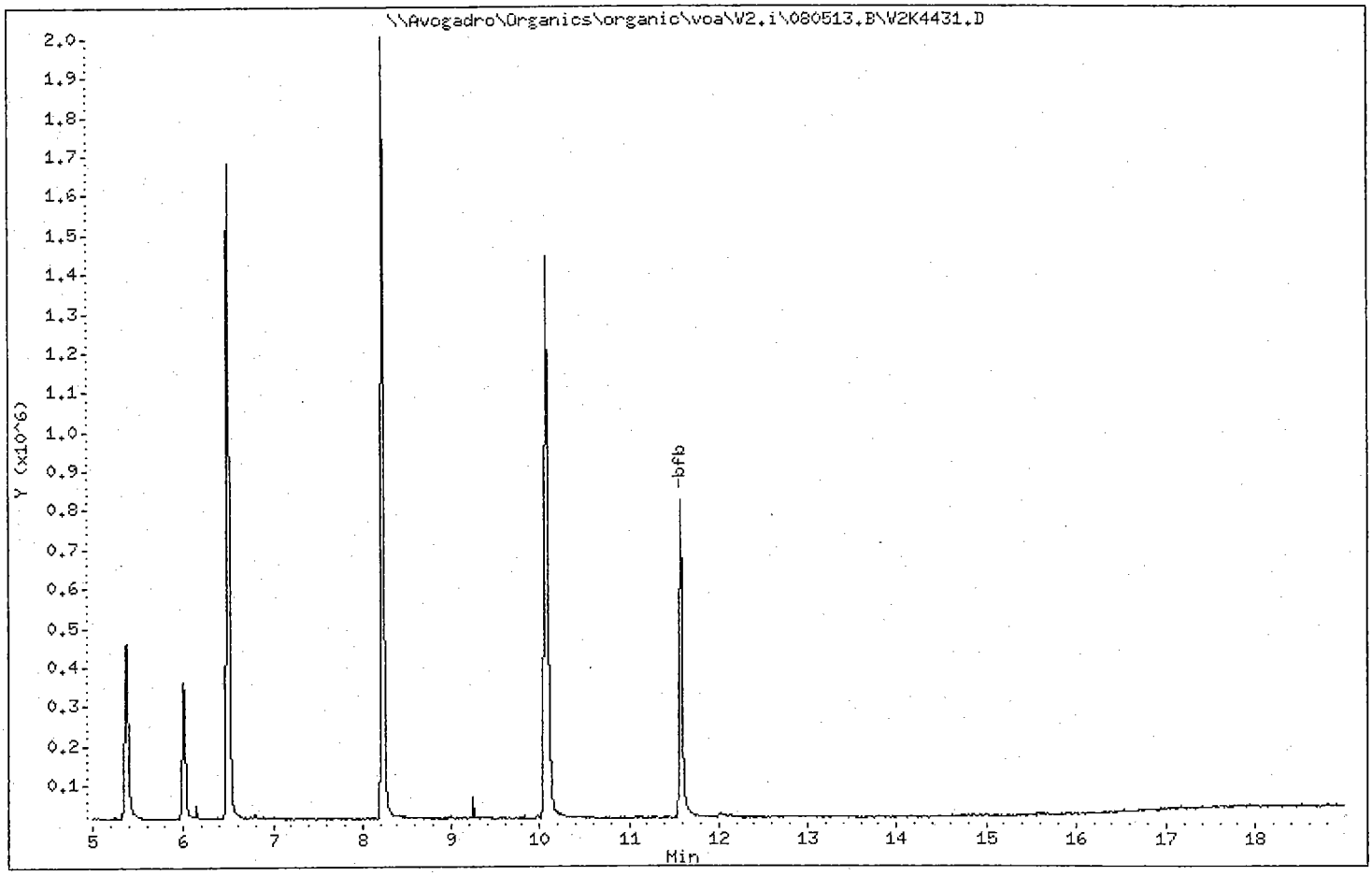
Instrument: V2.i

Sample Info: 2UL,BFB20,BFB20

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080513.B\V2K4431.D

Date : 13-MAY-2008 11:22

Client ID: BFB20

Instrument: V2.i

Sample Info: 2UL,BFB20,BFB20

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: V2K4431.D

Spectrum: Avg. Scans 1054-1056 (11.59), Background Scan 1049

Location of Maximum: 95.00

Number of points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1918	61.00	6756	88.00	6375	130.00	572
37.00	8219	62.00	6466	91.00	704	131.00	136
38.00	7499	63.00	4914	92.00	3960	133.00	86
39.00	2564	64.00	131	93.00	5816	135.00	232
40.00	608	65.00	358	94.00	15823	137.00	402
41.00	122	67.00	385	95.00	153664	141.00	1087
42.00	53	68.00	15167	96.00	10339	142.00	173
44.00	1627	69.00	15594	97.00	392	143.00	1232
45.00	1521	70.00	1187	103.00	77	146.00	222
47.00	2336	72.00	836	104.00	560	147.00	69
48.00	990	73.00	6054	105.00	212	148.00	286
49.00	6712	74.00	22232	106.00	528	155.00	278
50.00	29880	75.00	71440	107.00	73	157.00	68
51.00	8979	76.00	5543	112.00	86	172.00	181
52.00	420	77.00	1148	114.00	67	174.00	112112
53.00	85	78.00	432	115.00	70	175.00	6376
54.00	67	79.00	4322	116.00	411	176.00	110048
55.00	692	80.00	1183	117.00	903	177.00	7484
56.00	2213	81.00	4124	118.00	399	178.00	282
57.00	4517	82.00	768	119.00	793	281.00	78
58.00	78	86.00	284	128.00	570		
60.00	1688	87.00	6171	129.00	281		

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4641.D

Date : 06-JUN-2008 08:40

Client ID: BFBC2

Instrument: V2.i

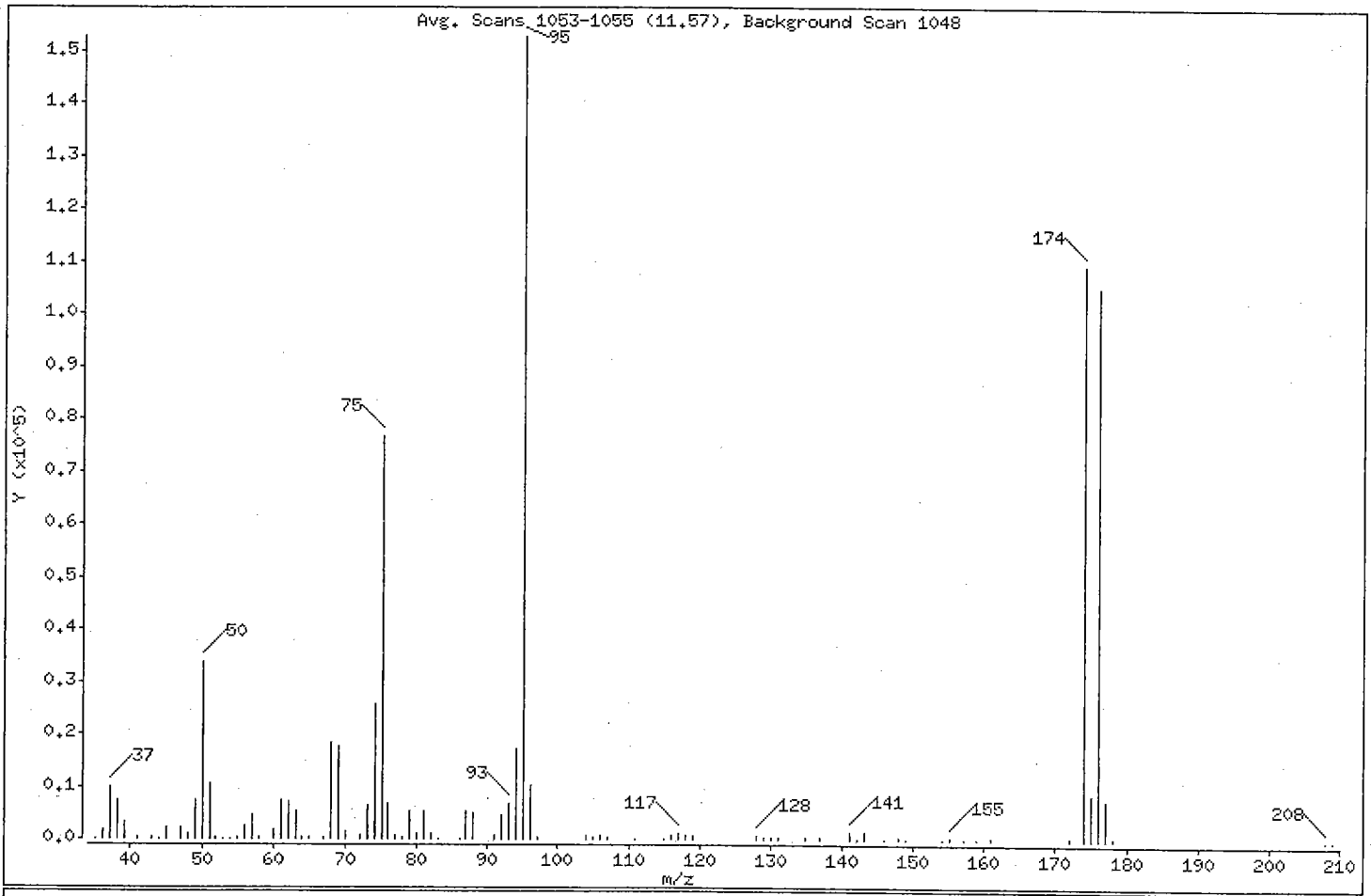
Sample Info: 2UL,BFBC2,BFBC2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	22.11
75	30.00 - 66.00% of mass 95	50.23
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	71.47
175	4.00 - 9.00% of mass 174	5.56 (7.78)
176	93.00 - 101.00% of mass 174	68.85 (96.33)
177	5.00 - 9.00% of mass 176	4.75 (6.90)

6/9/08

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4641.D

Date : 06-JUN-2008 08:40

Client ID: BFBC2

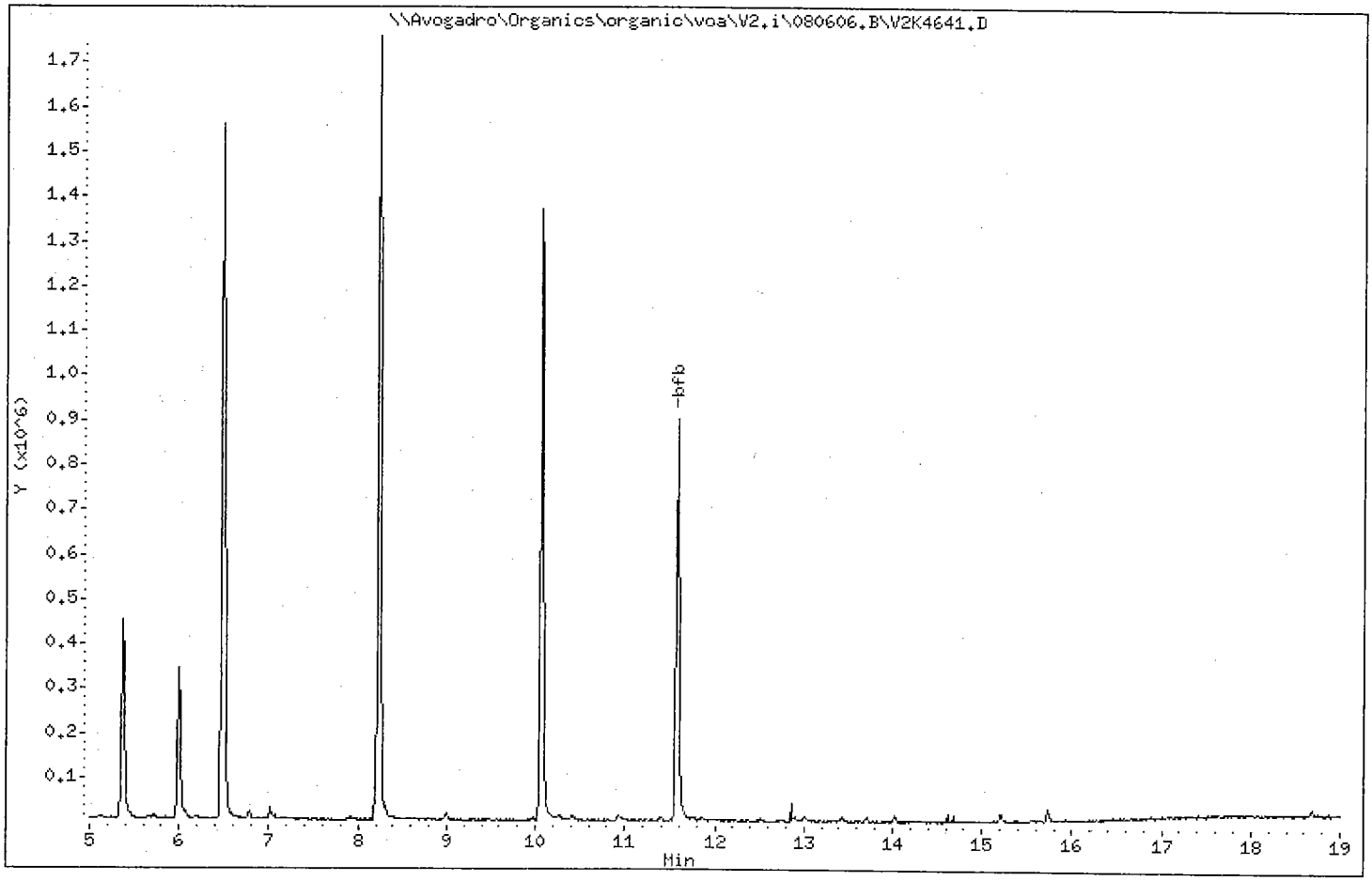
Instrument: V2.i

Sample Info: 2UL,BFBC2,BFBC2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4641.D

Date : 06-JUN-2008 08:40

Client ID: BFBC2

Instrument: V2.i

Sample Info: 2UL,BFBC2,BFBC2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: V2K4641.D

Spectrum: Avg. Scans 1053-1055 (11.57), Background Scan 1048

Location of Maximum: 95.00

Number of points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	108	62.00	7069	91.00	605	141.00	1385
36.00	1827	63.00	5273	92.00	4456	142.00	121
37.00	9814	64.00	454	93.00	6519	143.00	1311
38.00	7508	65.00	181	94.00	17080	146.00	99
39.00	2994	67.00	424	95.00	152704	148.00	201
41.00	273	68.00	18280	96.00	10121	149.00	68
43.00	333	69.00	17544	97.00	303	154.00	80
44.00	77	70.00	1492	104.00	638	155.00	205
45.00	2238	72.00	872	105.00	270	157.00	110
47.00	2059	73.00	6231	106.00	632	159.00	78
48.00	1005	74.00	25776	107.00	187	161.00	199
49.00	7358	75.00	76696	111.00	88	172.00	292
50.00	33760	76.00	6688	115.00	70	174.00	109144
51.00	10367	77.00	755	116.00	609	175.00	8490
52.00	406	78.00	365	117.00	985	176.00	105136
53.00	82	79.00	5178	118.00	529	177.00	7250
54.00	71	80.00	1197	119.00	754	178.00	190
55.00	404	81.00	5240	128.00	533	208.00	140
56.00	2344	82.00	917	129.00	252	209.00	85
57.00	4403	83.00	84	130.00	483		
58.00	243	86.00	78	131.00	210		
60.00	1701	87.00	5353	135.00	198		
61.00	7440	88.00	5046	137.00	267		

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4621.D

Date : 05-JUN-2008 09:34

Client ID: BFBB2

Instrument: V2.i

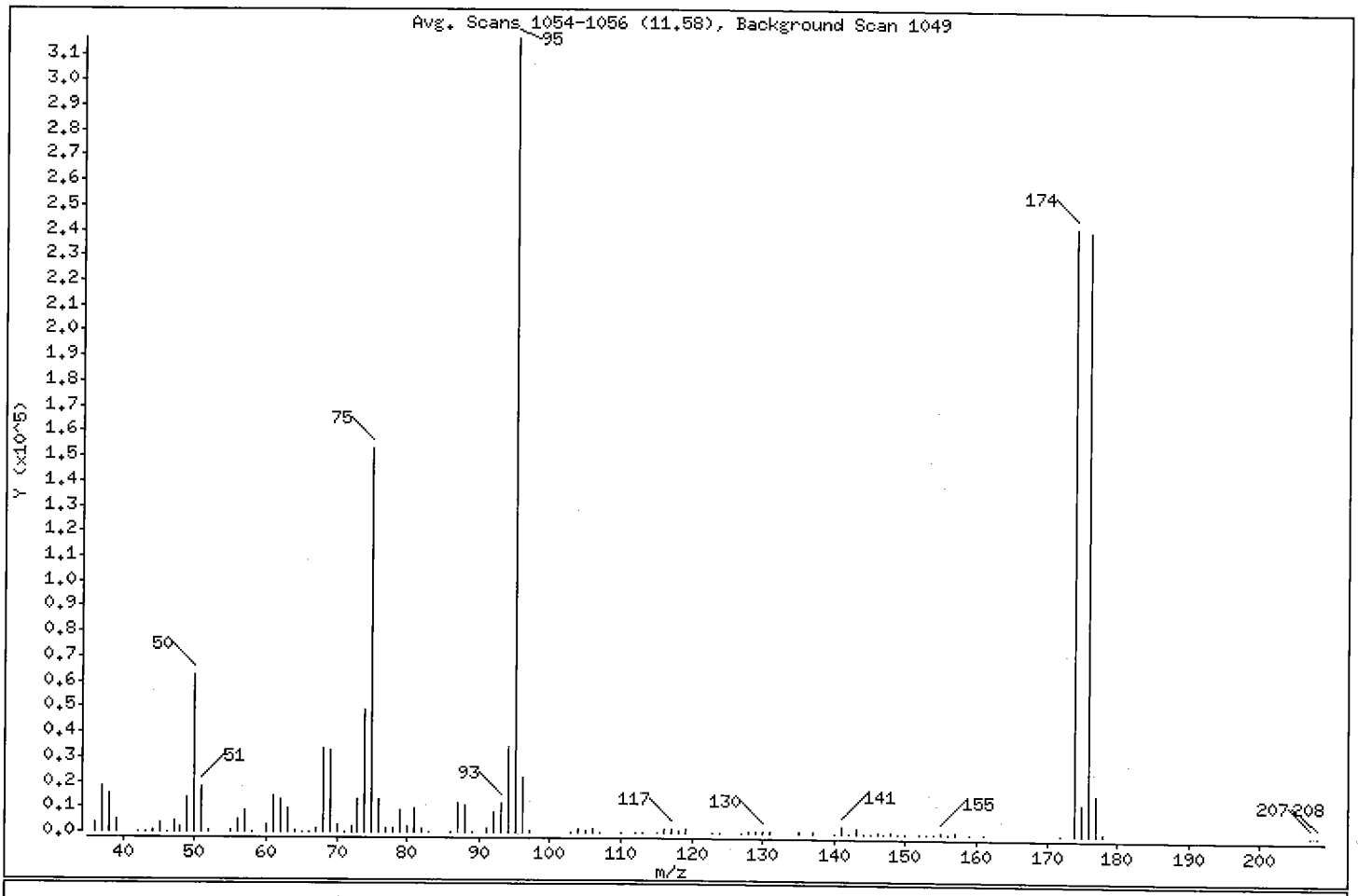
Sample Info: 2UL,BFBB2,BFBB2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.81
75	30.00 - 66.00% of mass 95	48.31
96	5.00 - 9.00% of mass 95	6.92
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	76.37
175	4.00 - 9.00% of mass 174	3.98 (5.21)
176	93.00 - 101.00% of mass 174	75.86 (99.34)
177	5.00 - 9.00% of mass 176	5.01 (6.60)

6/6/08

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4621.D

Date : 05-JUN-2008 09:34

Client ID: BFBB2

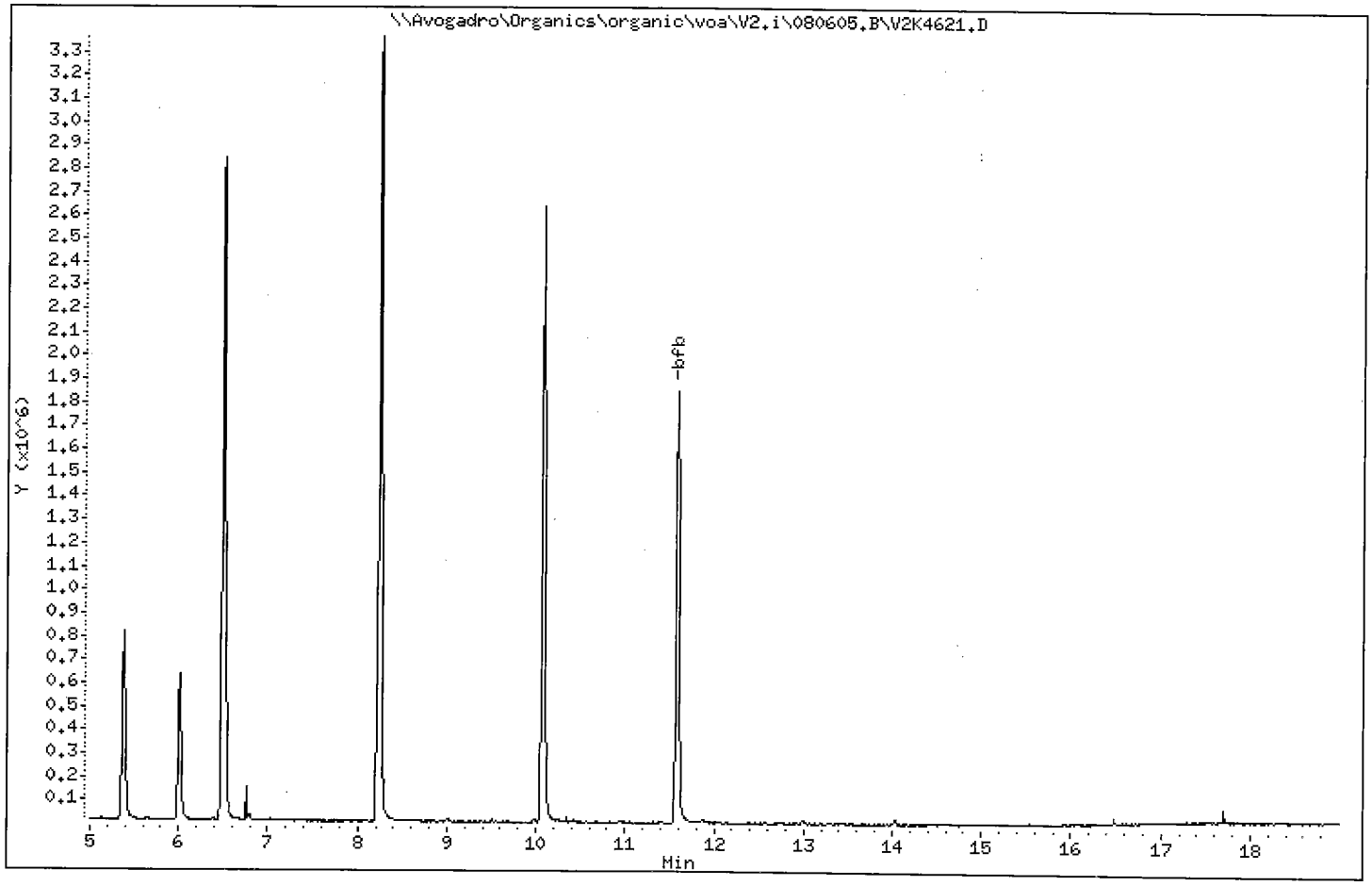
Instrument: V2.i

Sample Info: 2UL,BFBB2,BFBB2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4621.D

Date : 05-JUN-2008 09:34

Client ID: BFBB2

Instrument: V2.i

Sample Info: 2UL,BFBB2,BFBB2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: V2K4621.D

Spectrum: Avg. Scans 1054-1056 (11.58), Background Scan 1049

Location of Maximum: 95.00

Number of points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3393	67.00	1195	96.00	21920	142.00	273
37.00	18128	68.00	33496	97.00	865	143.00	2504
38.00	14994	69.00	32496	103.00	185	144.00	96
39.00	5394	70.00	2642	104.00	1225	145.00	251
42.00	196	71.00	184	105.00	484	146.00	400
43.00	264	72.00	1823	106.00	1126	147.00	78
44.00	736	73.00	12793	107.00	199	148.00	813
45.00	3318	74.00	48984	110.00	89	149.00	138
46.00	247	75.00	153088	112.00	147	150.00	107
47.00	4096	76.00	12942	113.00	147	152.00	71
48.00	1885	77.00	1783	115.00	339	153.00	70
49.00	13752	78.00	1111	116.00	1138	154.00	158
50.00	62776	79.00	8411	117.00	1640	155.00	612
51.00	18296	80.00	2097	118.00	1021	156.00	114
52.00	647	81.00	9813	119.00	1281	157.00	580
55.00	630	82.00	1668	123.00	71	159.00	309
56.00	5254	83.00	172	124.00	89	161.00	320
57.00	8995	86.00	334	127.00	72	172.00	281
58.00	350	87.00	11681	128.00	1026	174.00	241984
60.00	2918	88.00	11057	129.00	535	175.00	12612
61.00	14815	89.00	81	130.00	1068	176.00	240384
62.00	13402	91.00	1330	131.00	507	177.00	15866
63.00	9747	92.00	8350	135.00	500	178.00	491
64.00	839	93.00	11915	137.00	365	207.00	275
65.00	363	94.00	33976	140.00	162	208.00	176
66.00	174	95.00	316864	141.00	2683		

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKB2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4623.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

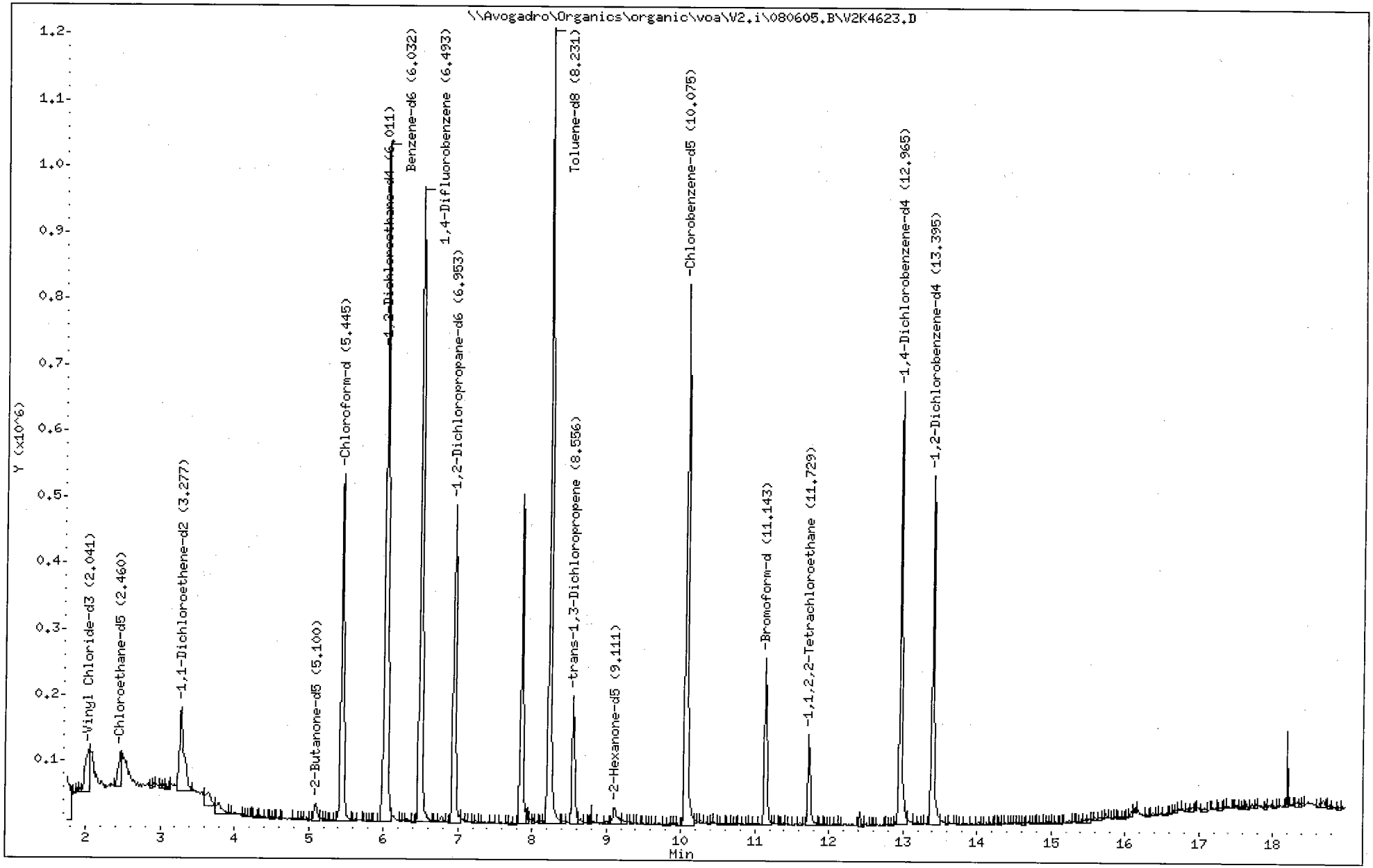
[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Date : 05-JUN-2008 10:47
Client ID: VBLKB2
Sample Info: 25ML,MB-36900,VBLKB2,36900
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



2805

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Lab Smp Id: MB-36900 Client Smp ID: VBLKB2
Inj Date : 05-JUN-2008 10:47
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,MB-36900,VBLKB2,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

SC 6/12/08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 79 Vinyl Chloride-d3	65	2.051	2.062	(0.316)	318304	4.93771	4.9
$ 80 Chloroethane-d5	69	2.460	2.470	(0.379)	197236	4.87819	4.9
$ 81 1,1-Dichloroethene-d2	100	3.277	3.277	(0.505)	64464	3.48932	3.5(Q)
$ 82 2-Butanone-d5	46	5.089	5.089	(0.784)	50393	8.35735	8.4
$ 83 Chloroform-d	84	5.445	5.445	(0.839)	558740	4.78483	4.8(Q)
$ 23 1,2-Dichloroethane-d4	65	6.010	6.010	(0.926)	188407	4.81002	4.8
$ 84 Benzene-d6	84	6.031	6.031	(0.599)	1107688	5.11559	5.1
* 26 1,4-Difluorobenzene	114	6.492	6.503	(1.000)	914255	5.00000	
$ 85 1,2-Dichloropropane-d6	67	6.953	6.953	(0.690)	286328	4.99668	5.0
$ 33 Toluene-d8	98	8.231	8.231	(0.817)	993394	5.17640	5.2
$ 86 trans-1,3-Dichloropropene-d4	79	8.555	8.555	(0.849)	148482	4.51931	4.5
$ 87 2-Hexanone-d5	63	9.100	9.090	(0.903)	15599	5.37230	5.4(Q)
* 42 Chlorobenzene-d5	117	10.074	10.074	(1.000)	616920	5.00000	
$ 88 Bromoform-d	174	11.142	11.142	(0.859)	152033	4.84154	4.8
$ 89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.164)	88300	5.06322	5.1
* 78 1,4-Dichlorobenzene-d4	152	12.965	12.965	(1.000)	239763	5.00000	
$ 90 1,2-Dichlorobenzene-d4	152	13.394	13.405	(1.033)	182281	5.08585	5.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.

HZA 6/6/08

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Report Date: 06-Jun-2008 11:10

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4623.D
Lab Smp Id: MB-36900 Client Smp ID: VBLKB2
Inj Date : 05-JUN-2008 10:47
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,MB-36900,VBLKB2,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36921

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4643.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

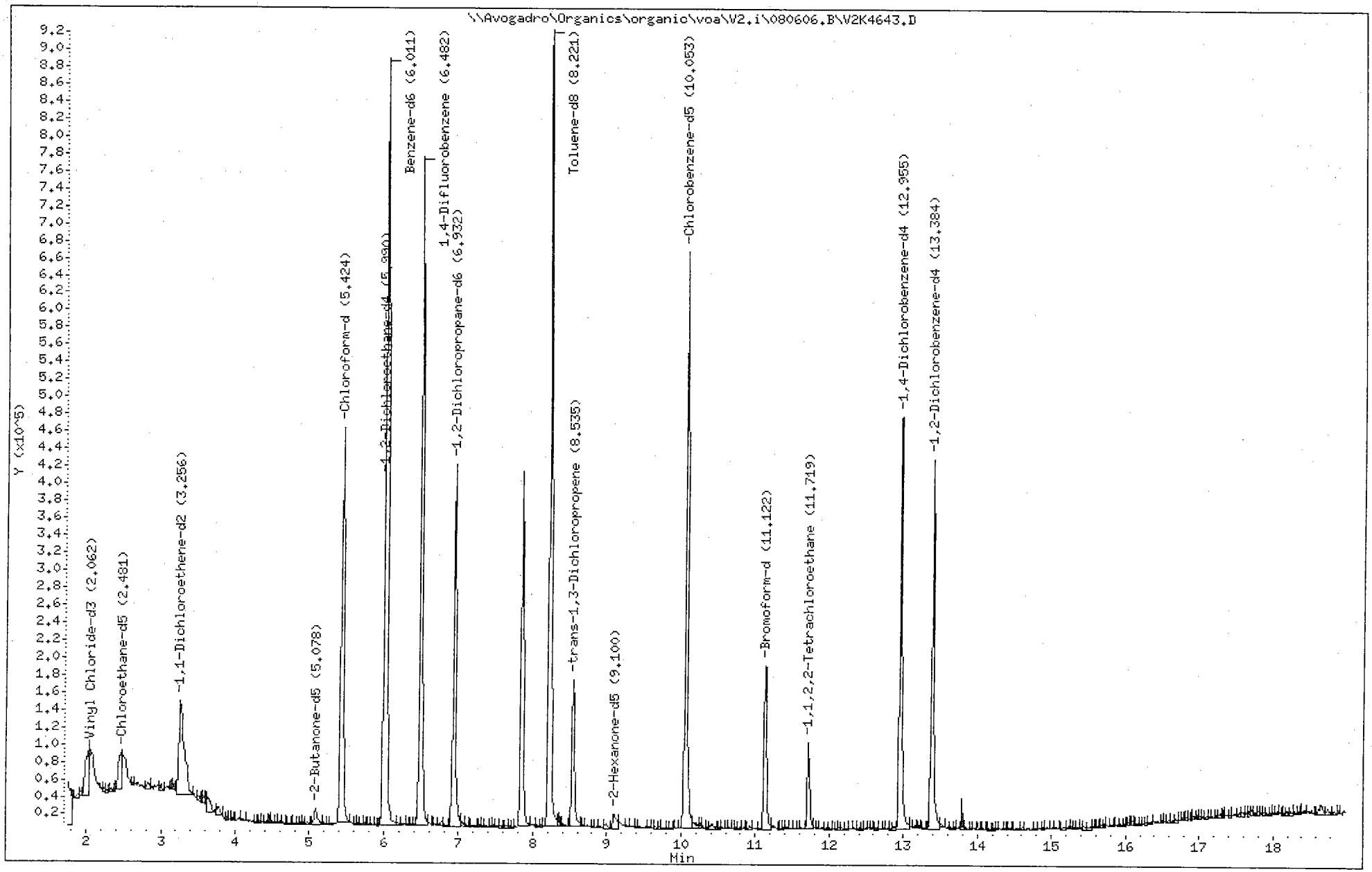
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Date : 06-JUN-2008 09:54
Client ID: VBLKC2
Sample Info: 25ML,MB-36921,VBLKC2,36921
Purge Volume: 25.0
Column phase: DB-624

Instrument: V2.i
Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Lab Smp Id: MB-36921 Client Smp ID: VBLKC2
Inj Date : 06-JUN-2008 09:54
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,MB-36921,VBLKC2,36921
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.062	2.041	(0.318)	258770	5.10057	5.1
$	80 Chloroethane-d5	69	2.481	2.491	(0.383)	172345	4.95827	5.0
$	81 1,1-Dichloroethene-d2	100	3.266	3.266	(0.504)	56946	4.19986	4.2(Q)
$	82 2-Butanone-d5	46	5.078	5.078	(0.783)	33406	8.27777	8.3
$	83 Chloroform-d	84	5.424	5.434	(0.837)	476996	4.94098	4.9(Q)
$	23 1,2-Dichloroethane-d4	65	5.989	6.000	(0.924)	168470	5.00903	5.0
$	84 Benzene-d6	84	6.010	6.031	(0.598)	874541	4.56946	4.6
*	26 1,4-Difluorobenzene	114	6.481	6.482	(1.000)	705199	5.00000	
$	85 1,2-Dichloropropane-d6	67	6.932	6.932	(0.690)	227590	5.37253	5.4
$	33 Toluene-d8	98	8.220	8.220	(0.818)	768277	5.04919	5.0
$	86 trans-1,3-Dichloropropene-d4	79	8.534	8.545	(0.849)	132325	4.98375	5.0
$	87 2-Hexanone-d5	63	9.089	9.079	(0.904)	8361	4.70015	4.7(aQ)
*	42 Chlorobenzene-d5	117	10.053	10.063	(1.000)	483970	5.00000	
$	88 Bromoform-d	174	11.121	11.132	(0.859)	118978	5.10618	5.1
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.718	11.729	(1.166)	67792	4.84494	4.8
*	78 1,4-Dichlorobenzene-d4	152	12.954	12.954	(1.000)	171622	5.00000	
$	90 1,2-Dichlorobenzene-d4	152	13.383	13.394	(1.033)	138095	5.29883	5.3

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

6/9/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Report Date: 09-Jun-2008 11:58

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Report Date: 09-Jun-2008 11:58

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4643.D
Lab Smp Id: MB-36921 Client Smp ID: VBLKC2
Inj Date : 06-JUN-2008 09:54
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,MB-36921,VBLKC2,36921
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4660.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.99	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4660.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VHBLKC2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLKC2

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4660.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

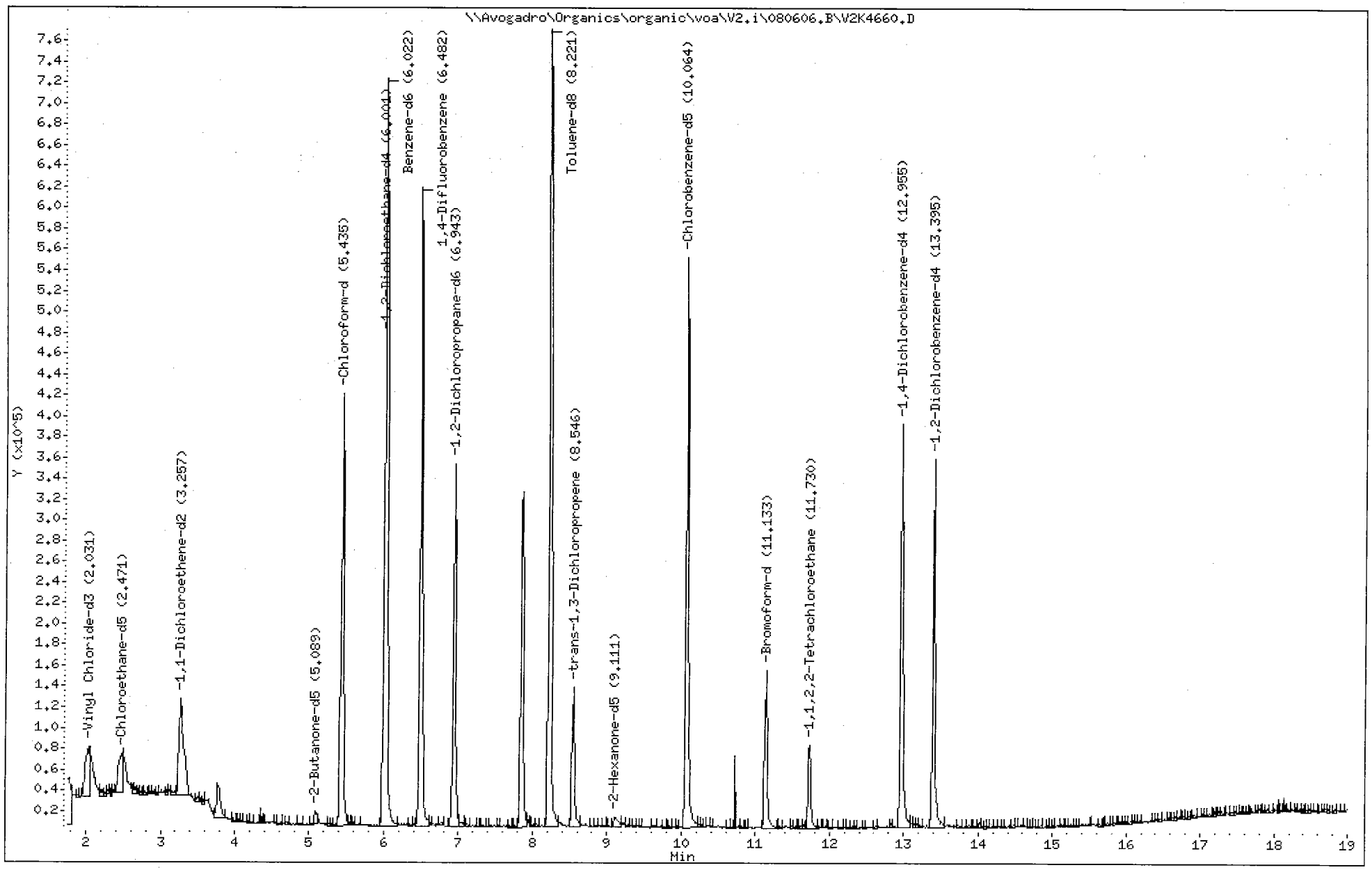
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4660.D
Date : 06-JUN-2008 18:52
Client ID: VHBLKC2
Instrument: V2.i
Sample Info: 25ML,VHBLKC2,VHBLKC2,36921,
Purge Volume: 25.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4660.D
Report Date: 09-Jun-2008 11:59

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4660.D
Lab Smp Id: VHBLKC2 Client Smp ID: VHBLKC2
Inj Date : 06-JUN-2008 18:52
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VHBLKC2,VHBLKC2,36921,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 21 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.031	2.041	(0.313)	205032	5.14022	5.1
$	80 Chloroethane-d5	69	2.481	2.491	(0.383)	137353	5.02603	5.0
$	81 1,1-Dichloroethene-d2	100	3.267	3.266	(0.504)	47569	4.46223	4.5(Q)
	12 Methylene Chloride	84	3.780	3.779	(0.583)	23717	0.98775	0.99
$	82 2-Butanone-d5	46	5.089	5.078	(0.785)	24370	7.68068	7.7
$	83 Chloroform-d	84	5.435	5.434	(0.838)	402342	5.30090	5.3(Q)
$	23 1,2-Dichloroethane-d4	65	6.000	6.000	(0.926)	150771	5.70171	5.7
$	84 Benzene-d6	84	6.021	6.031	(0.598)	711753	4.75723	4.8
*	26 1,4-Difluorobenzene	114	6.482	6.482	(1.000)	554442	5.00000	
$	85 1,2-Dichloropropane-d6	67	6.943	6.932	(0.690)	186438	5.62989	5.6
$	33 Toluene-d8	98	8.221	8.220	(0.817)	621796	5.22747	5.2
$	86 trans-1,3-Dichloropropene-d4	79	8.545	8.545	(0.849)	101772	4.90323	4.9
$	87 2-Hexanone-d5	63	9.121	9.079	(0.906)	7025	5.05173	5.1(Q)
*	42 Chlorobenzene-d5	117	10.064	10.063	(1.000)	378337	5.00000	
$	88 Bromoform-d	174	11.132	11.132	(0.859)	89243	4.64813	4.6
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.729	11.729	(1.165)	57444	5.25163	5.3
*	78 1,4-Dichlorobenzene-d4	152	12.965	12.954	(1.000)	141416	5.00000	(Q)
$	90 1,2-Dichlorobenzene-d4	152	13.394	13.394	(1.033)	111684	5.20077	5.2

6/9/08

HZA

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4660.D
Report Date: 09-Jun-2008 11:59

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4660.D
Report Date: 09-Jun-2008 11:59

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4660.D
Lab Smp Id: VHBLKC2 Client Smp ID: VHBLKC2
Inj Date : 06-JUN-2008 18:52
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 25ML,VHBLKC2,VHBLKC2,36921,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080606.B\v2OLC3.m
Meth Date : 09-Jun-2008 10:36 V2.i Quant Type: ISTD
Cal Date : 06-JUN-2008 09:11 Cal File: V2K4642.D
Als bottle: 21 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\080606.B\V2K4660.D

Date : 06-JUN-2008 18:52

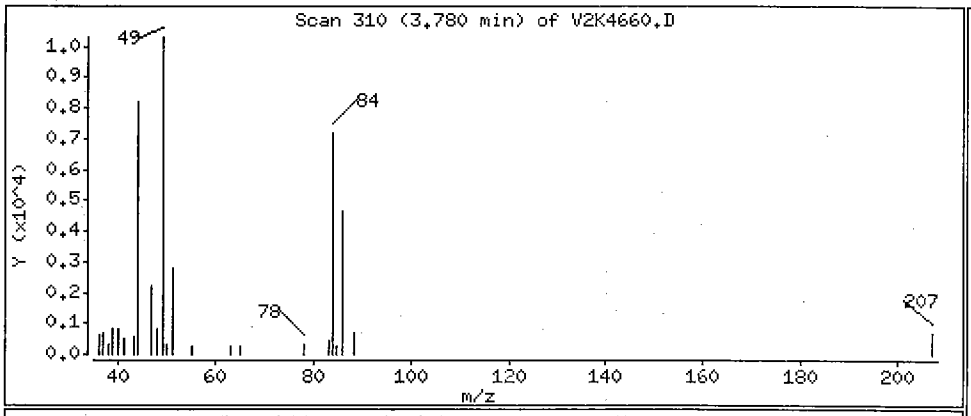
Client ID: VHBLKC2 Instrument: V2.i

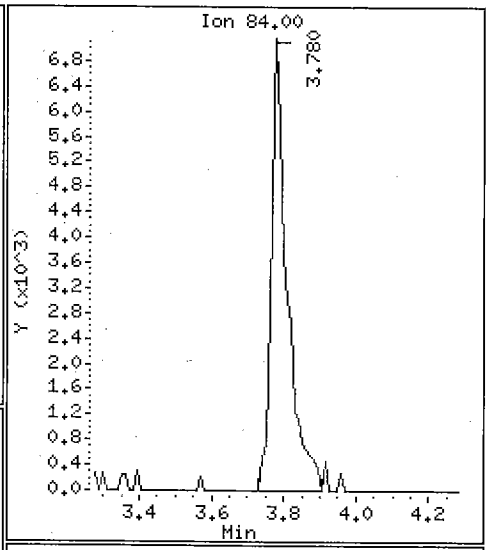
Sample Info: 25ML,VHBLKC2,VHBLKC2,36921,

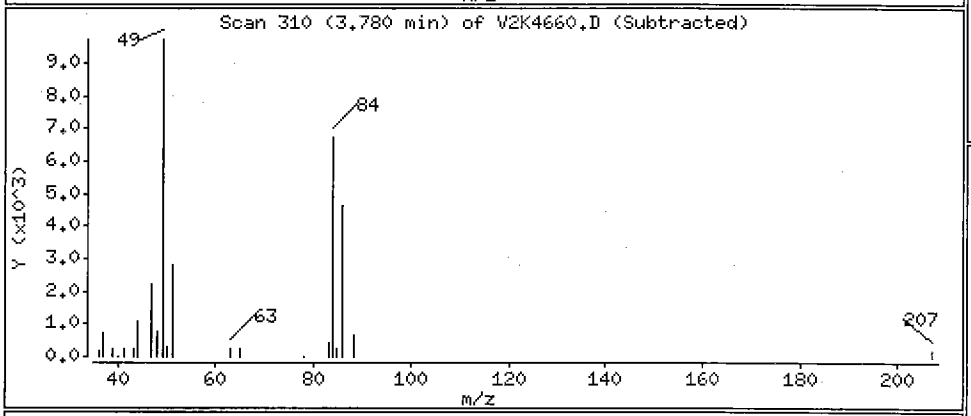
Purge Volume: 25.0 Operator: HZ SRC: HZ

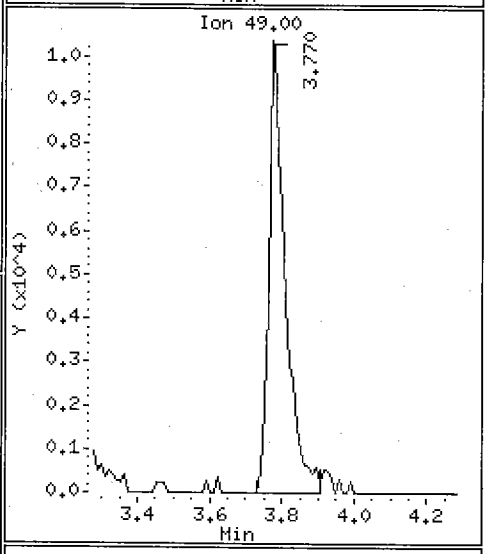
Column phase: DB-624 Column diameter: 0.25

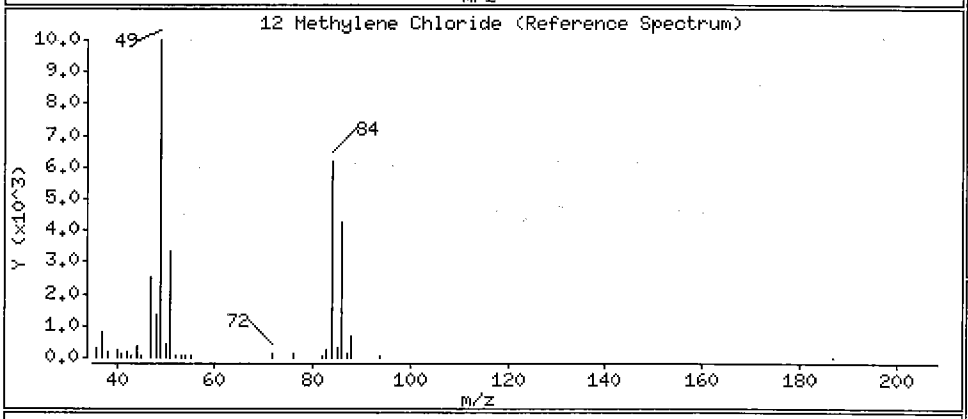
12 Methylene Chloride Concentration: 0.99 ug/L

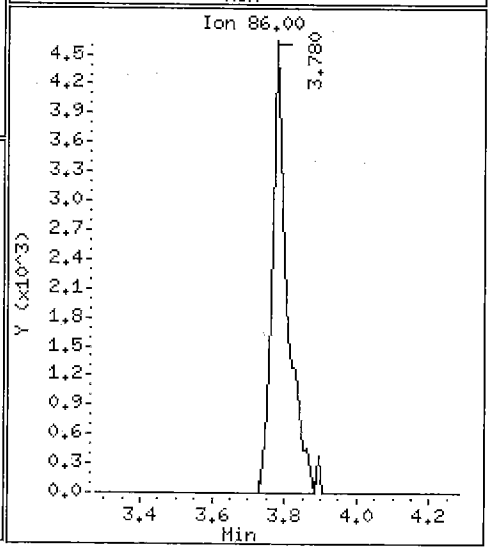


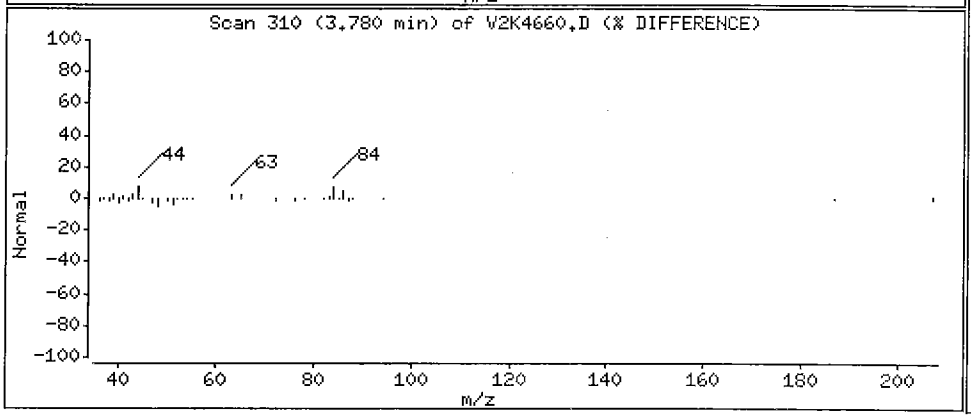












1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4624.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	3.5	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	4.7	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	4.6	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	4.7	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLC

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VB2LCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V2K4624.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/05/2008

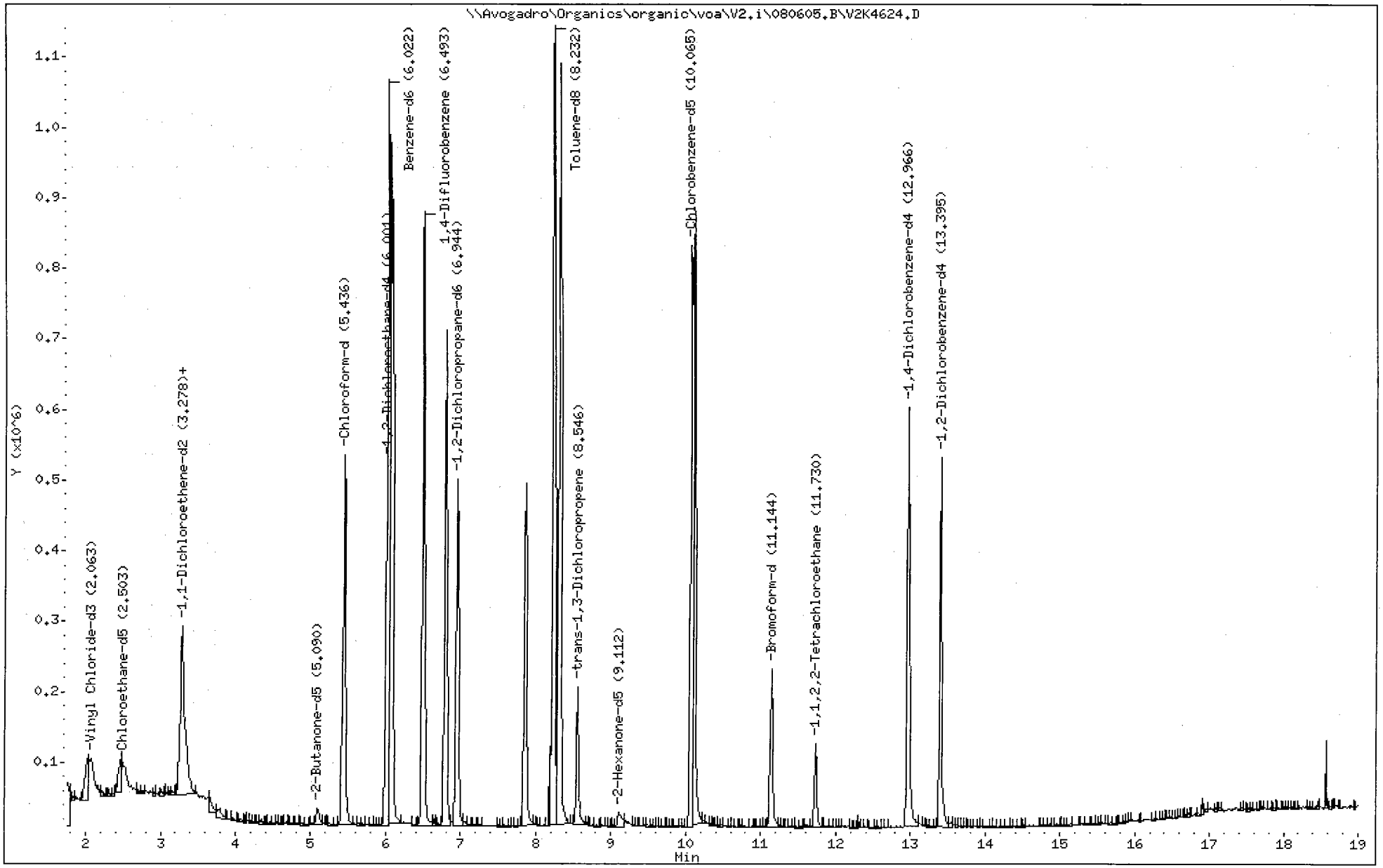
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	5.0	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4624.D
Date : 05-JUN-2008 12:06
Client ID: VB2LCS
Instrument: V2.i
Sample Info: 25ML,LCS-36900,VB2LCS,36900
Purge Volume: 25.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4624.D
Report Date: 06-Jun-2008 09:55

Mitkem Corporation

OLC03.X - Low Concentration Water Volatiles

Data file : \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4624.D
Lab Smp Id: LCS-36900 Client Smp ID: VB2LCS
Inj Date : 05-JUN-2008 12:06
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 25ML,LCS-36900,VB2LCS,36900
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\080605.B\v2OLC3.m
Meth Date : 06-Jun-2008 09:55 V2.i Quant Type: ISTD
Cal Date : 05-JUN-2008 10:05 Cal File: V2K4622.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET103

Concentration Formula: Amt * DF * Uf * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample volume purged (mL)
Va	10.000	LCS Aliquot volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	79 Vinyl Chloride-d3	65	2.063	2.062	(0.318)	304065	4.93988	4.9
$	80 Chloroethane-d5	69	2.502	2.470	(0.385)	195243	5.05725	5.1
$	81 1,1-Dichloroethene-d2	100	3.278	3.277	(0.505)	74661	4.23238	4.2(Q)
	7 1,1-Dichloroethene	96	3.288	3.287	(0.506)	118575	3.54057	3.5(Q)
$	82 2-Butanone-d5	46	5.089	5.089	(0.784)	42582	7.39590	7.4
$	83 Chloroform-d	84	5.435	5.445	(0.837)	536405	4.81079	4.8(Q)
$	23 1,2-Dichloroethane-d4	65	6.001	6.010	(0.924)	178218	4.76506	4.8
$	84 Benzene-d6	84	6.022	6.031	(0.598)	1085688	5.22276	5.2
	25 Benzene	78	6.063	6.073	(0.602)	970212	4.73308	4.7
*	26 1,4-Difluorobenzene	114	6.493	6.503	(1.000)	872973	5.00000	
	27 Trichloroethene	95	6.786	6.796	(0.674)	281383	4.55608	4.6
$	85 1,2-Dichloropropane-d6	67	6.943	6.953	(0.690)	271587	4.93678	4.9
$	33 Toluene-d8	98	8.231	8.231	(0.818)	962524	5.22438	5.2
	34 Toluene	91	8.305	8.315	(0.825)	996239	4.71929	4.7
$	86 trans-1,3-Dichloropropene-d4	79	8.546	8.555	(0.849)	144417	4.57861	4.6
$	87 2-Hexanone-d5	63	9.111	9.090	(0.905)	16220	5.81877	5.8(Q)
*	42 Chlorobenzene-d5	117	10.064	10.074	(1.000)	592259	5.00000	
	43 Chlorobenzene	112	10.106	10.116	(1.004)	581231	4.95026	5.0
$	88 Bromoform-d	174	11.143	11.142	(0.859)	142335	4.89533	4.9
$	89 1,1,2,2-Tetrachloroethane-d2	84	11.730	11.729	(1.165)	85676	5.11732	5.1
*	78 1,4-Dichlorobenzene-d4	152	12.966	12.965	(1.000)	222002	5.00000	

Data File: \\Avogadro\Organics\organic\voa\V2.i\080605.B\V2K4624.D
Report Date: 06-Jun-2008 09:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
$ 90 1,2-Dichlorobenzene-d4	152	13.395	13.405	(1.033)	172105	5.18610	5.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.

6/6/8

HZA

METHOD: CAL ID:

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: OLC_V
ICAL DATE: 5/13/08

ANALYST: WL
EMV:

BATCH: 080513.B

Start: 13-MAY-08 11:22
End: 13-MAY-08 20:43

Comments:

IS - VW 080513B
PMCA - VW 080513C
PMCB - VW 080513D
STD - VW 080513E
Rinse - VW 080513F

MS/MSD - VW 080508D

Reviewed By: NZA 05/14/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	INTERNAL STDS CBZ	INTERNAL STDS DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
V2K4431	11:22	BFB20	BFB20		AQ		111	107	98															1		OK	
V2K4432	11:54	VSTD0.520	VSTD0.520		AQ		108	103	97															1		OK	
V2K4433	12:47	VSTD00120	VSTD00120		AQ		100	100	100															1		OK	
V2K4434	13:17	VSTD00520	VSTD00520		AQ		112	108	114															1		OK	
V2K4435	13:49	VSTD01020	VSTD01020		AQ		111	111	124															1		OK	
V2K4436	14:21	VSTD02520	VSTD02520		AQ		127	121	109															1		OK	7
V2K4437	15:29	MB-36429	VBLK20	36429	AQ		125	122	114															10		OK, CB=18	7
V2K4438	16:00	G0666-01A	MW34B050708	36429	AQ	1	127	117	108															1		OK	7
V2K4439	16:33	G0666-02A	WE024050708	36429	AQ	1	122	116	111															1		OK	7
V2K4440	17:04	G0666-03A	NELF11A050708	36429	AQ	1	121	117	111					*										1		OK	2
V2K4441	17:35	G0666-04A	NELF11B050708	36429	AQ	1	119	120	110															1		OK	7
V2K4442	18:06	G0666-05A	TBLK050708	36429	AQ	1	123	115	109															1		OK	7
V2K4443	18:38	G0666-06A	MW60050908	36429	AQ	1	123	119	115															400		OK, CB=14.6	7
V2K4444	19:09	G0666-07A	MW56050908	36429	AQ	1	135	134	141*					*										1		RRX1	7
V2K4445	19:40	G0666-08A	MW55050908	36429	AQ	1	112	113	119					*										1		OK	7
V2K4446	20:11	G0666-08A	MW55050908	36429	AQ	2	110	108	115					*										1	ER	OK	
V2K4447	20:43	G0666-08AMS	MW55050908MS	36429	AQ	3																				machine stopped, MSD didn't run	

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

WL 5/14/08

Logbook ID 90.0206-03/08

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: OLC_W
ICAL DATE: 5/13/08

ANALYST: WL
EMV: _____

BATCH: 080606.B

Start: 06-JUN-08 08:40
End: 06-JUN-08 19:24

Comments:

IS-VW080602D
DMCA-VW080602E
DMCB-VW080602F
STD-VW080602G
Ketone-VW080602H
LCS-VW080605B

Reviewed By: IM 6/9/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	CBZ	DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
V2K4641	08:40	BFBC2	BFBC2		AQ																			1		OK	
V2K4642	09:11	VSTD005C2	VSTD005C2		AQ		100	100	100															1		OK	
V2K4643	09:54	MB-36921	VBLKC2	36921	AQ		107	103	93															1		OK	
V2K4644	10:26	G0846-04ADL	130173-MW-6-GWD	36921	AQ	2	104	101	97															2		OK, PCE=11	2
V2K4645	10:58	G0846-05ADL	130173-MW66-GWD	36921	AQ	2	101	99	92															2		OK, PCE=12	2
V2K4646	11:29	G0846-06A	130173-MW-2-GW	36921	AQ	2	105	101	98															1		OK	2
V2K4647	12:01	G0859-01A	130173-MW-4-GW	36921	AQ	2	99	95	89															1		OK	2
V2K4648	12:32	G0864-01A	11MW207S	36921	AQ	1	99	98	91	*														1		OK	2
V2K4649	13:04	G0864-02A	11MW207D	36921	AQ	1	99	99	91	*														1		OK	2
V2K4650	13:35	G0864-03A	FD-060508-01	36921	AQ	1	97	95	88															1		OK	2
V2K4651	14:06	G0864-04A	TRIPBLANK	36921	AQ	1	95	92	85															1		OK	2
V2K4652	14:37	G0864-07A	11MW205S	36921	AQ	1	96	91	87															1		OK	2
V2K4653	15:08	G0864-08A	COMPOSITE	36921	AQ	1	95	96	103					*										1	E	RRX20, Acetone=848	2
V2K4654	15:42	G0864-11A	TRIPBLANK	36921	AQ	1	94	91	88															1		RRX1	2
V2K4655	16:13	G0864-07AMS	11MW205SMS	36921	AQ	2	90	88	84															1	R	OK, Acetone=0	2
V2K4656	16:45	G0864-07AMSD	11MW205SMSD	36921	AQ	3	92	87	82															1	R	OK	2
V2K4657	17:17	G0864-11A	TRIPBLANK	36921	AQ	2	88	83	79															1		OK	2
V2K4658	17:48	VHBLKC2	VHBLKC2	36921	AQ		88	84	79															1		OK (CG0846)	
V2K4659	18:20	G0864-08ADL	COMPOSITEDL	36921	AQ	2	90	86	84															20		OK, Acetone=50	2
V2K4660	18:52	VHBLKC2	VHBLKC2	36921	AQ		84	80	77															1		OK, (CG0859)	
V2K4661	19:24	VHBLKC2	VHBLKC2	36921	AQ		85	80	74															1		OK. (CG0864)	

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

WL 6/9/08

E: INSTRUMENT MITKEM LABORATORIES
INJECTION LOG
VOLATILES LABORATORY

METHOD: CAL ID: ANALYST:

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: OLC-W
ICAL DATE: 5/13/08

ANALYST: WL
EMV:

BATCH: 080605.B

Start: 05-JUN-08 09:34
End: 05-JUN-08 20:00

Comments:

IS - VW080602D
DMCA - VW080602E
DMCB - VW080602F
STD - VW080602G
Ketone - VW080602H
OLC-LCS - VW080605B

Reviewed By: HZA 06/06/08

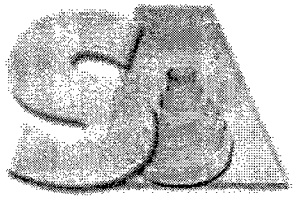
FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	CBZ	DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
V2K4621	09:34	BFBB2	BFBB2		AQ																			1		OK	
V2K4622	10:05	VSTD005B2	VSTD005B2		AQ		100	100	100															1		OK	
V2K4623	10:47	MB-36900	VBLKB2	36900	AQ		133	126	119															1		OK	
V2K4624	12:06	LCS-36900	VB2LCS	36900	AQ		127	121	110															1		OK	
V2K4625	12:37	G0846-01A	130173-TB	36900	AQ	1	112	107	93															1		OK	
V2K4626	13:08	G0846-02A	130173-MW-1-GW	36900	AQ	1	113	109	96															1		OK	2
V2K4627	13:40	G0846-03A	130173-FB-6308	36900	AQ	1	120	118	107															1		OK	2
V2K4628	14:12	G0846-04A	130173-MW-6-GW	36900	AQ	1	107	103	94															1		OK	2
V2K4629	14:44	G0846-05A	130173-MW66-GW	36900	AQ	1	106	103	90															1	E	RRX2, PCE=26	2
V2K4630	15:15	G0846-06A	130173-MW-2-GW	36900	AQ	1	102	100	93															1	E	RRX2, PCE=26	2
V2K4631	15:47	G0846-07A	130173-MW-5-GW	36900	AQ	1	106	102	89															1		RRX1, PCE=17	2
V2K4632	16:19	G0846-02AMS	130173-MW-1-GWM	36900	AQ	2	112	109	99															1		OK, PCE=0	2
V2K4633	16:51	G0846-02AMSD	130173-MW-1-GWM	36900	AQ	3	111	107	97															1		OK	2
V2K4634	18:57	G0859-01A	130173-MW-4-GW	36900	AQ	1	108	106	95															1		OK	2
V2K4635	19:29	G0859-02A	130173-FB-6408	36900	AQ	1	101	98	85															1		RRX1, Tic carryover	2
V2K4636	20:00	G0859-03A	130173-MW-3-GW	36900	AQ	1	93	91	82															1		OK	2

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

WL 6/6/08

Logbook ID 90.0206-03/08

MITKEM
LABORATORIES



* Semivolatile Organics *

2G - FORM II SV-1

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

	CLIENT SAMPLE NO.	SDMC1 (PHL) #	SDMC2 (BCE) #	SDMC3 (2CP) #	SDMC4 (4MP) #	SDMC5 (NBZ) #	SDMC6 (2NP) #	SDMC7 (DCP) #	SDMC8 (4CA) #
01	SBLK1H	88	88	93	86	96	90	90	90 *
02	S1HLCS	85	90	88	85	100	97	89	74 *
03	130173-MW-4-GW	85	81	89	83	90	88	86	70 *
04	130173-FB-6408	95	94	97	90	99	90	92	87 *
05	130173-MW-3-GW	87	86	92	87	95	91	86	66

		QC LIMITS
SDMC1	(PHL) = Phenol-d5	(10-110)
SDMC2	(BCE) = bis(2-Chloroethyl)ether-d8	(41-94)
SDMC3	(2CP) = 2-Chlorophenol-d4	(33-110)
SDMC4	(4MP) = 4-Methylphenol-d8	(38-95)
SDMC5	(NBZ) = Nitrobenzene-d5	(35-114)
SDMC6	(2NP) = 2-Nitrophenol-d4	(40-106)
SDMC7	(DCP) = 2,4-Dichlorophenol-d3	(42-98)
SDMC8	(4CA) = 4-Chloroaniline-d4	(8-70)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

EPA OLC

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

	CLIENT SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
01	SBLK1H	93	86	83	88	64	85	95	94	1
02	S1HLCS	90	84	92	87	71	94	101	100	1
03	130173-MW-4-GW	89	81	94	82	83	84	100	95	1
04	130173-FB-6408	93	84	90	90	76	94	102	99	1
05	130173-MW-3-GW	94	91	101	93	83	83	104	93	0

		QC LIMITS
SDMC9	(DMP) = Dimethylphthalate-d6	(62-102)
SDMC10	(ACY) = Acenaphthylene-d8	(49-98)
SDMC11	(4NP) = 4-Nitrophenol-d4	(9-181)
SDMC12	(FLR) = Fluorene-d10	(50-97)
SDMC13	(NMP) = 4,6-Dinitro-2-methylphenol-d2	(53-153)
SDMC14	(ANC) = Anthracene-d10	(55-116)
SDMC15	(PYR) = Pyrene-d10	(47-114)
SDMC16	(BAP) = Benzo(a)pyrene-d12	(54-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

EPA OLC

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

S1HLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab Sample ID: LCS-36906 LCS Lot No.:

Date Extracted: 06/05/2008 Date Analyzed (1): 06/12/2008

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS %REC	#	QC. LIMITS REC.
Phenol	80	0	63.2580	79		12-110
2-Chlorophenol	80	0	64.0411	80		27-123
N-Nitroso-di-n-propylamine	20	0	17.5980	88		41-116
4-Chloro-3-methylphenol	80	0	66.4380	83		23-97
Acenaphthene	20	0	15.2645	76		46-118
4-Nitrophenol	80	0	49.6854	62		10-80
2,4-Dinitrotoluene	20	0	15.4894	77		24-96
Pentachlorophenol	80	0	64.7198	81		9-103
Pyrene	20	0	12.7985	64		26-127

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

* Values outside of QC limits

Spike Recovery: 0 out of 9 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: S1F7242.D Lab Sample ID: MB-36906

Instrument ID: S1 Date Extracted: 06/05/2008

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/12/2008

Level: (LOW/MED) LOW Time Analyzed: 10:50

Extraction: (Type) CONT GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1HLCS	LCS-36906	S1F7243.D	06/12/2008
02	130173-MW-4-GW	G0859-01B	S1F7246.D	06/12/2008
03	130173-FB-6408	G0859-02B	S1F7247.D	06/12/2008
04	130173-MW-3-GW	G0859-03B	S1F7248.D	06/12/2008

COMMENTS:

EPA OLC

5B - FORM V SV
SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

CLIENT SAMPLE NO.
DFTPP1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: S1F7230.D DFTPP Injection Date: 06/11/2008

Instrument ID: S1 DFTPP Injection Time: 15:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	36.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	48.1
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	25.0 - 75.0% of mass 198	44.5
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	20.9
365	Greater than 0.75% of mass 198	2.2
441	Present, but less than mass 443	5.7
442	40.0 - 110.0% of mass 198	81.2
443	15.0 - 24.0% of mass 442	15.8 (19.5)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0201I	SSTD0201I	S1F7231.D	06/11/2008	16:23
02	SSTD0051I	SSTD0051I	S1F7232.D	06/11/2008	17:00
03	SSTD0801I	SSTD0801I	S1F7233.D	06/11/2008	17:38
04	SSTD0101I	SSTD0101I	S1F7234.D	06/11/2008	18:15
05	SSTD0501I	SSTD0501I	S1F7235.D	06/11/2008	18:52

EPA OLC

5B - FORM V SV

SEMIVOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

CLIENT SAMPLE NO.

DFTPP1J

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Lab File ID: S1F7240.D DFTPP Injection Date: 06/12/2008

Instrument ID: S1 DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	35.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	46.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	42.7
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	20.2
365	Greater than 0.75% of mass 198	2.2
441	Present, but less than mass 443	4.5
442	40.0 - 110.0% of mass 198	80.4
443	15.0 - 24.0% of mass 442	15.3 (19.0)2

1 - Value is % mass 69 2 - Value is % mass 442

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0201J	SSTD0201J	S1F7241.D	06/12/2008	10:14
02	SBLK1H	MB-36906	S1F7242.D	06/12/2008	10:50
03	S1HLCS	LCS-36906	S1F7243.D	06/12/2008	11:26
04	130173-MW-4-GW	G0859-01B	S1F7246.D	06/12/2008	13:26
05	130173-FB-6408	G0859-02B	S1F7247.D	06/12/2008	14:01
06	130173-MW-3-GW	G0859-03B	S1F7248.D	06/12/2008	14:36

EPA OLC

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Date Analyzed: 06/12/2008

Lab File ID (Standard): S1F7241.D Time Analyzed: 10:14

Instrument ID: S1

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	190289		8.098		687175		10.216		311898		13.069	
	UPPER LIMIT	380578		8.428		1374350		10.546		623796		13.399	
	LOWER LIMIT	95145		7.768		343588		9.886		155949		12.739	
	SAMPLE NO.												
01	SBLK1H	222974		8.102		843645		10.220		409144		13.062	
02	S1HLCS	254026		8.099		916378		10.217		467764		13.069	
03	130173-MW-4-GW	268217		8.101		980141		10.219		458676		13.061	
04	130173-FB-6408	245670		8.102		936879		10.220		451897		13.062	
05	130173-MW-3-GW	270294		8.102		1006975		10.220		445900		13.061	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

EPA OLC

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Date Analyzed: 06/12/2008

Lab File ID (Standard): S1F7241.D Time Analyzed: 10:14

Instrument ID: S1

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	490490		15.446		525221		19.703		458081		21.832	
	UPPER LIMIT	980980		15.776		1050442		20.033		916162		22.162	
	LOWER LIMIT	245245		15.116		262611		19.373		229041		21.502	
	SAMPLE NO.												
01	SBLK1H	627643		15.439		673616		19.696		594700		21.825	
02	S1HLCS	655107		15.447		705562		19.693		601933		21.833	
03	130173-MW-4-GW	679747		15.439		695801		19.696		605180		21.825	
04	130173-FB-6408	658677		15.439		705340		19.696		622271		21.825	
05	130173-MW-3-GW	720180		15.439		705202		19.696		642783		21.825	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

EPA OLC

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7246.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7246.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-4-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7246.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

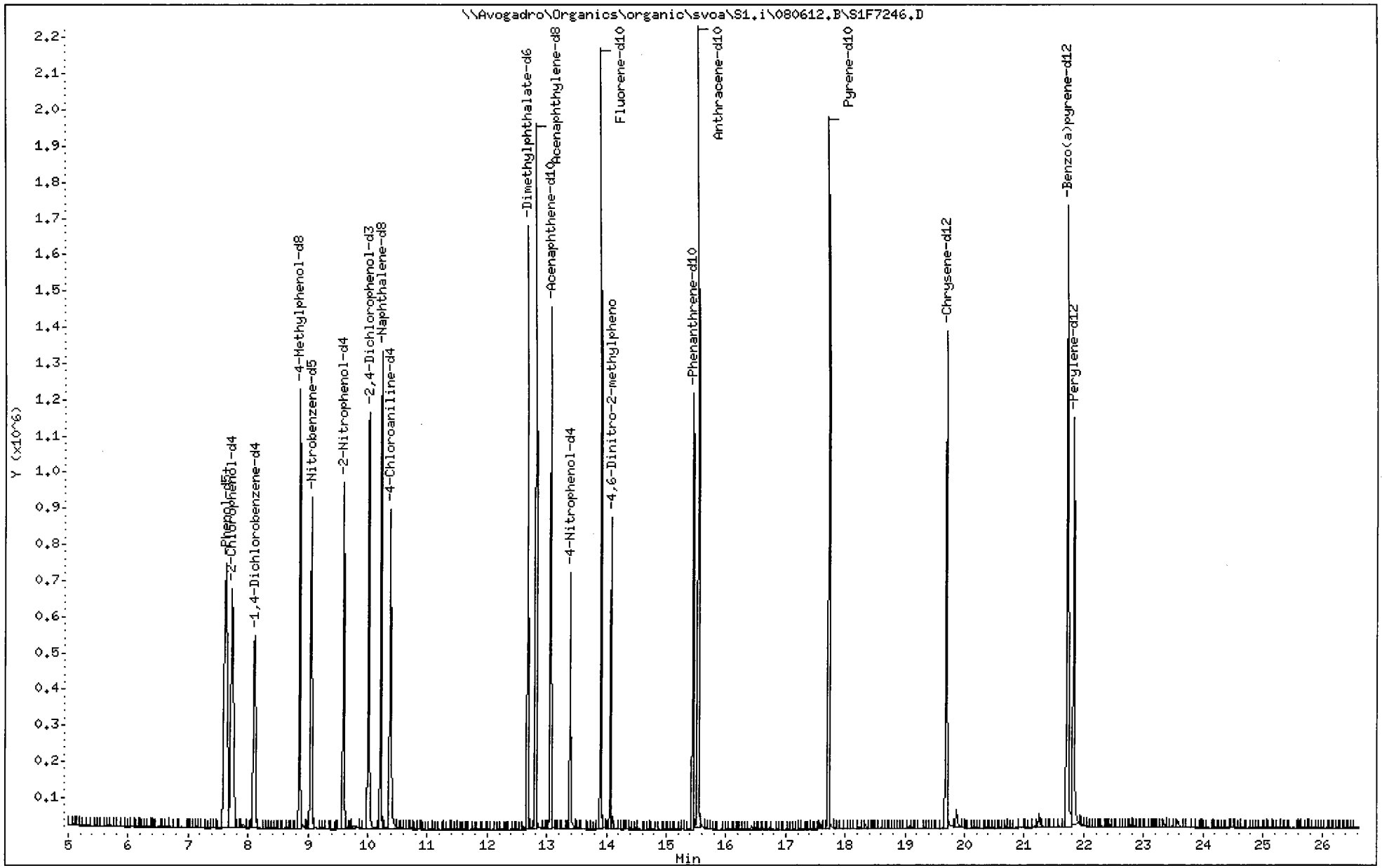
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7246.D
Date : 12-JUN-2008 13:26
Client ID: 130173-MW-4-GW
Instrument: S1.i
Sample Info: G0859-01B,,36906,,
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F7246.D
Report Date: 13-Jun-2008 12:59

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7246.D
Lab Smp Id: G0859-01B Client Smp ID: 130173-MW-4-GW
Inj Date : 12-JUN-2008 13:26
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0859-01B,,36906,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.626	7.622	(0.941)	1118523	34.0550	34
$	4 bis(2-Chloroethyl)ether-d8	67	7.636	7.633	(0.943)	340539	32.4485	32
$	6 2-Chlorophenol-d4	132	7.723	7.730	(0.953)	605767	35.6549	36
*	8 1,4-Dichlorobenzene-d4	152	8.101	8.097	(1.000)	268217	20.0000	
$	11 4-Methylphenol-d8	113	8.857	8.865	(1.093)	463304	33.1863	33
$	16 Nitrobenzene-d5	128	9.052	9.059	(0.886)	319581	36.0769	36
$	19 2-Nitrophenol-d4	143	9.592	9.599	(0.939)	349707	35.0965	35
$	23 2,4-Dichlorophenol-d3	165	10.014	10.010	(0.980)	454898	34.4350	34
*	25 Naphthalene-d8	136	10.219	10.215	(1.000)	980141	20.0000	
$	27 4-Chloroaniline-d4	131	10.370	10.377	(1.015)	494911	28.0559	28
$	40 Dimethylphthalate-d6	166	12.672	12.679	(0.970)	1181903	35.4108	35
$	43 Acenaphthylene-d8	160	12.812	12.809	(0.981)	1329323	32.4624	32
*	46 Acenaphthene-d10	164	13.061	13.068	(1.000)	458676	20.0000	
$	49 4-Nitrophenol-d4	143	13.385	13.414	(1.025)	243172	37.5136	38(Q)
$	54 Fluorene-d10	176	13.904	13.900	(1.065)	829031	32.8846	33
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.066	14.084	(0.911)	207654	33.3694	33(Q)
*	65 Phenanthrene-d10	188	15.438	15.445	(1.000)	679747	20.0000	
$	67 Anthracene-d10	188	15.535	15.532	(1.006)	1228866	33.4611	33
$	72 Pyrene-d10	212	17.718	17.714	(0.900)	1179656	40.0468	40
*	77 Chrysene-d12	240	19.695	19.703	(1.000)	695801	20.0000	
$	83 Benzo(a)pyrene-d12	264	21.716	21.713	(0.995)	982082	37.9853	38

Data File: S1F7246.D
Report Date: 13-Jun-2008 12:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 85 Perylene-d12	264	21.824	21.831	(1.000)	605180	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

06/13/08 BM

Data File: S1F7246.D
Report Date: 13-Jun-2008 12:59

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7246.D
Lab Smp Id: G0859-01B Client Smp ID: 130173-MW-4-GW
Inj Date : 12-JUN-2008 13:26
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0859-01B,,36906,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7247.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	1.3	J
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7247.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-FB-6408

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7247.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

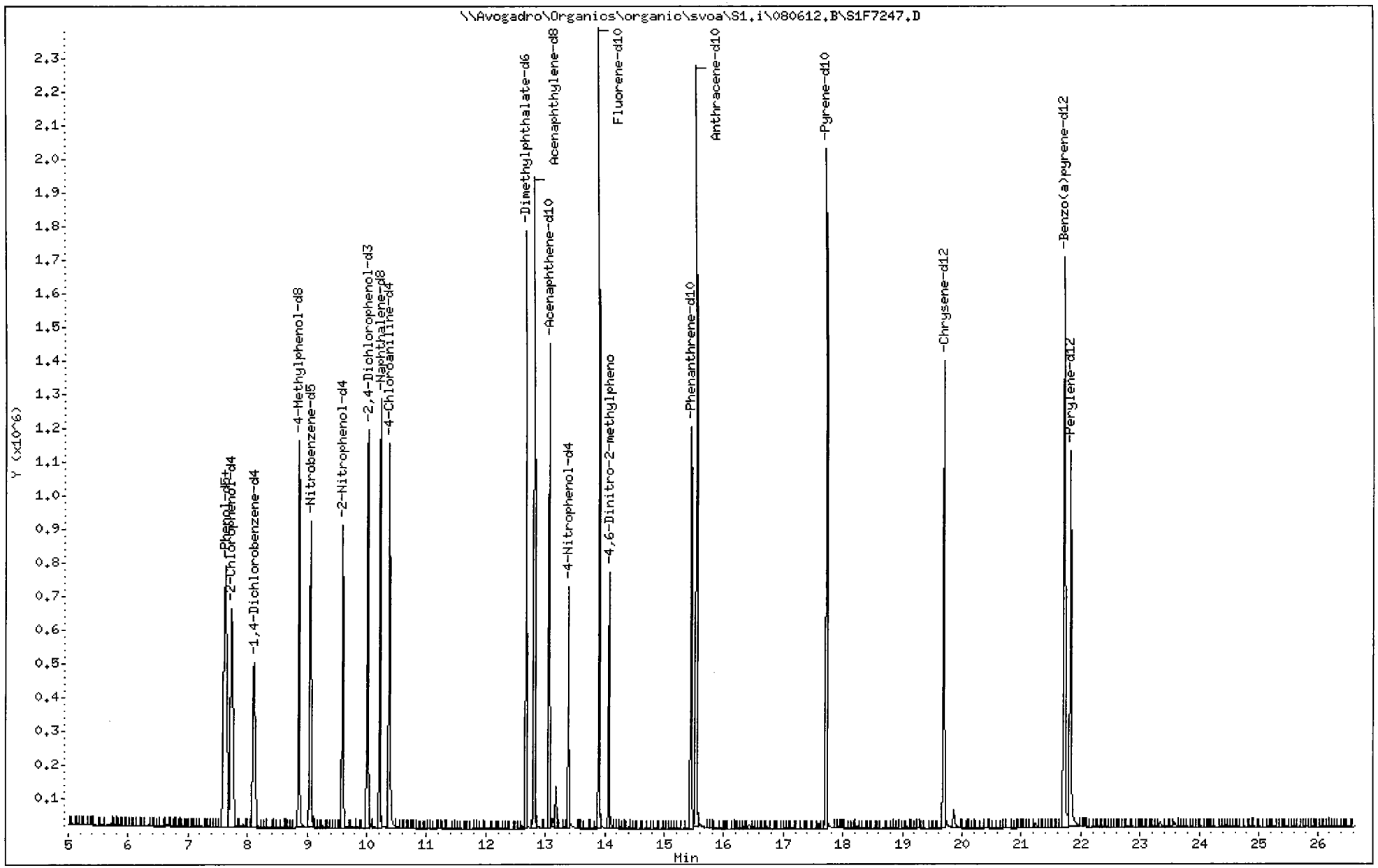
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7247.D
Date : 12-JUN-2008 14:01
Client ID: 130173-FB-6408
Instrument: S1.i
Sample Info: G0859-02B,,36906,,
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F7247.D
Report Date: 13-Jun-2008 12:59

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7247.D
Lab Smp Id: G0859-02B Client Smp ID: 130173-FB-6408
Inj Date : 12-JUN-2008 14:01
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0859-02B,,36906,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.626	7.622	(0.941)	1145497	38.0771	38
	3 Phenol	94	7.615	7.622	(0.940)	21436	1.33412	1.3(aQ)
$	4 bis(2-Chloroethyl)ether-d8	67	7.637	7.633	(0.943)	360849	37.5394	38
$	6 2-Chlorophenol-d4	132	7.723	7.730	(0.953)	606027	38.9440	39
*	8 1,4-Dichlorobenzene-d4	152	8.101	8.097	(1.000)	245670	20.0000	
$	11 4-Methylphenol-d8	113	8.858	8.865	(1.093)	459070	35.9009	36
$	16 Nitrobenzene-d5	128	9.052	9.059	(0.886)	335847	39.6639	40
$	19 2-Nitrophenol-d4	143	9.592	9.599	(0.939)	344235	36.1426	36
$	23 2,4-Dichlorophenol-d3	165	10.014	10.010	(0.980)	466200	36.9201	37
*	25 Naphthalene-d8	136	10.219	10.215	(1.000)	936879	20.0000	
$	27 4-Chloroaniline-d4	131	10.370	10.377	(1.015)	589907	34.9853	35(R)
$	40 Dimethylphthalate-d6	166	12.672	12.679	(0.970)	1225263	37.2606	37
$	43 Acenaphthylene-d8	160	12.813	12.809	(0.981)	1363394	33.7939	34
*	46 Acenaphthene-d10	164	13.061	13.068	(1.000)	451897	20.0000	
$	49 4-Nitrophenol-d4	143	13.385	13.414	(1.025)	230109	36.0309	36(Q)
$	54 Fluorene-d10	176	13.904	13.900	(1.065)	897345	36.1284	36
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.066	14.084	(0.911)	182839	30.3215	30(Q)
*	65 Phenanthrene-d10	188	15.438	15.445	(1.000)	658677	20.0000	
$	67 Anthracene-d10	188	15.536	15.532	(1.006)	1335708	37.5337	38
$	72 Pyrene-d10	212	17.718	17.714	(0.900)	1212704	40.6119	41
	79 bis(2-Ethylhexyl)phthalate	149	19.869	19.865	(1.009)	38173	1.03135	1.0(a)

Data File: S1F7247.D
Report Date: 13-Jun-2008 12:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 77 Chrysene-d12	240	19.696	19.703	(1.000)	705340	20.0000	
$ 83 Benzo(a)pyrene-d12	264	21.716	21.713	(0.995)	1053912	39.6440	40
* 85 Perylene-d12	264	21.824	21.831	(1.000)	622271	20.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08
BM

Data File: S1F7247.D
Report Date: 13-Jun-2008 12:59

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7247.D
Lab Smp Id: G0859-02B Client Smp ID: 130173-FB-6408
Inj Date : 12-JUN-2008 14:01
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0859-02B,,36906,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7247.D

Date : 12-JUN-2008 14:01

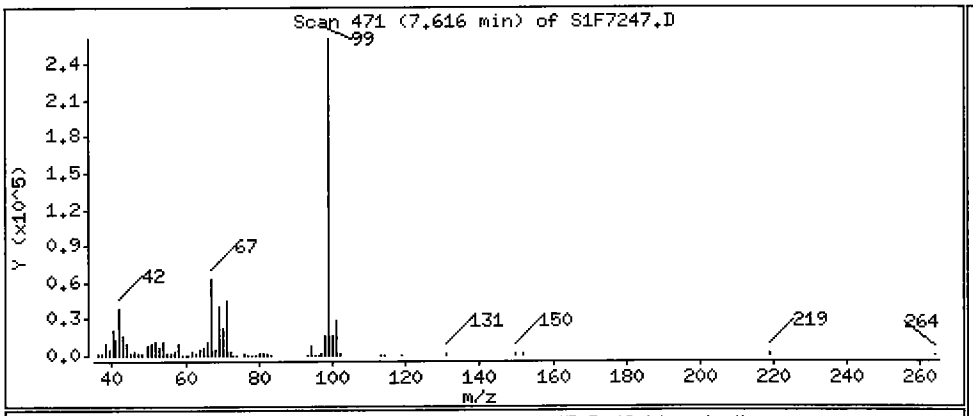
Client ID: 130173-FB-6408 Instrument: S1.i

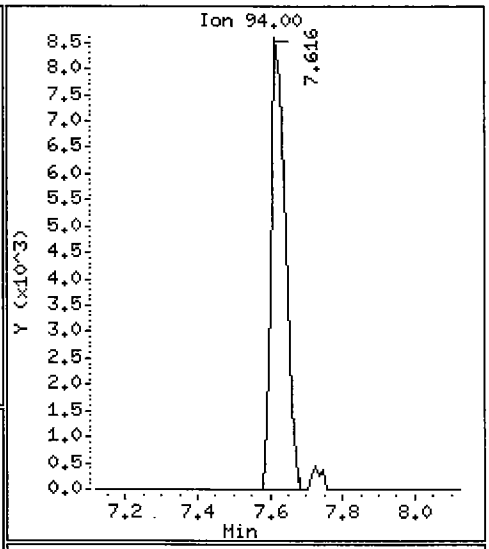
Sample Info: G0859-02B,,36906,,

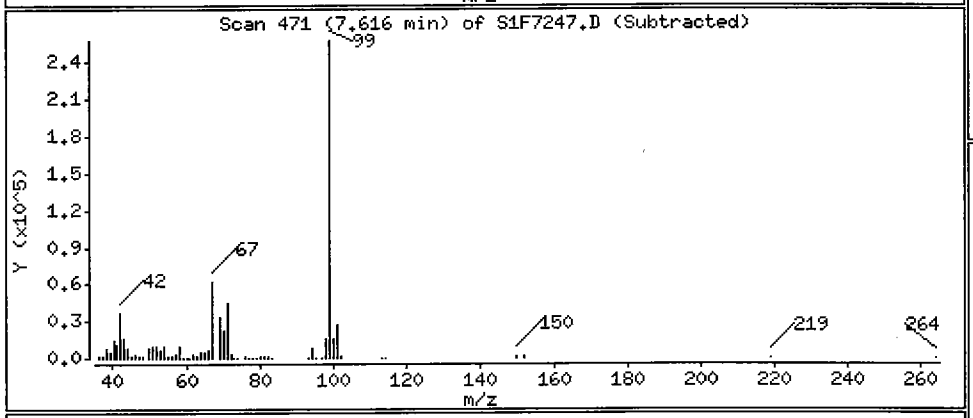
Volume Injected (uL): 1.0 Operator: DK SRC: LIMS

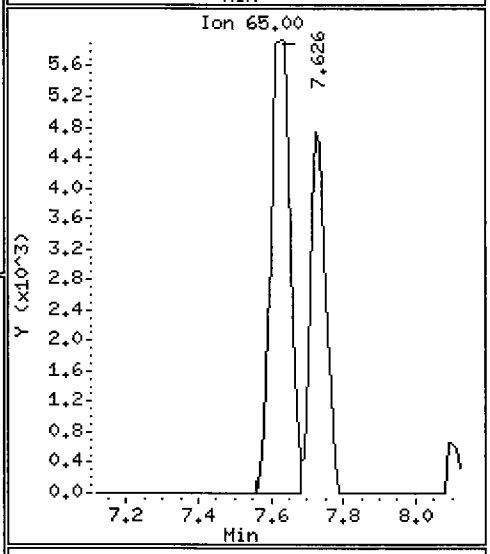
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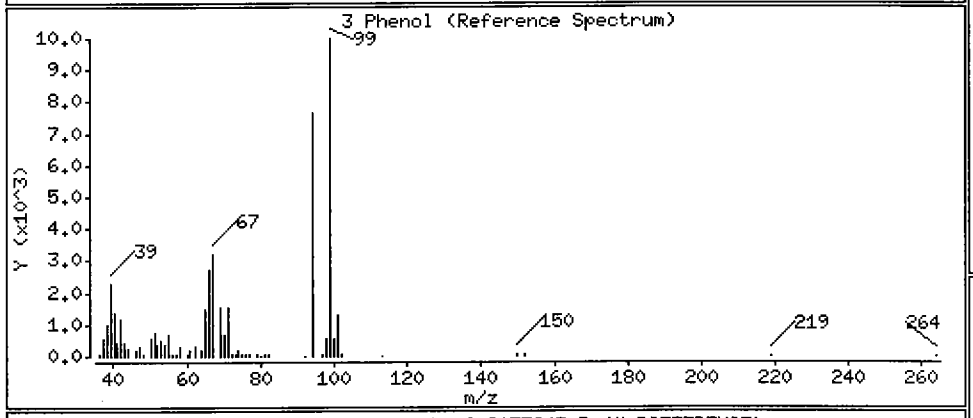
3 Phenol Concentration: 1.3 ug/L

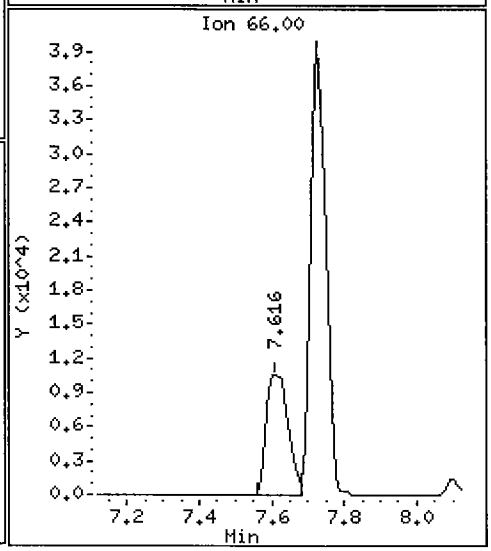


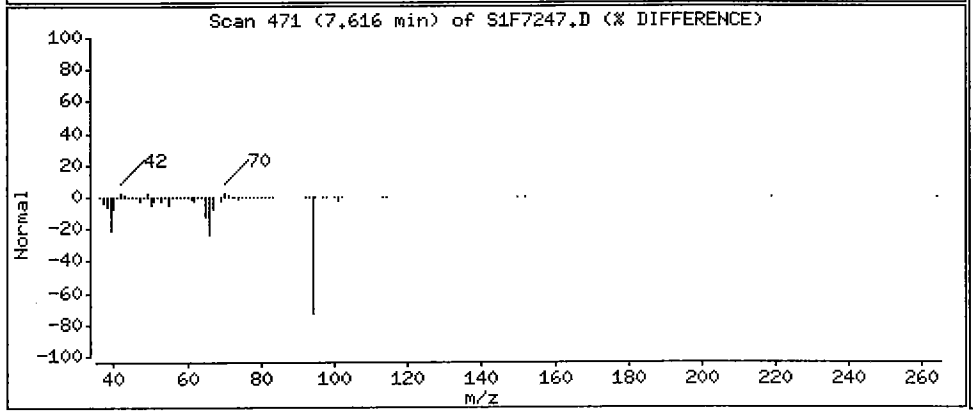












Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7247.D

Date : 12-JUN-2008 14:01

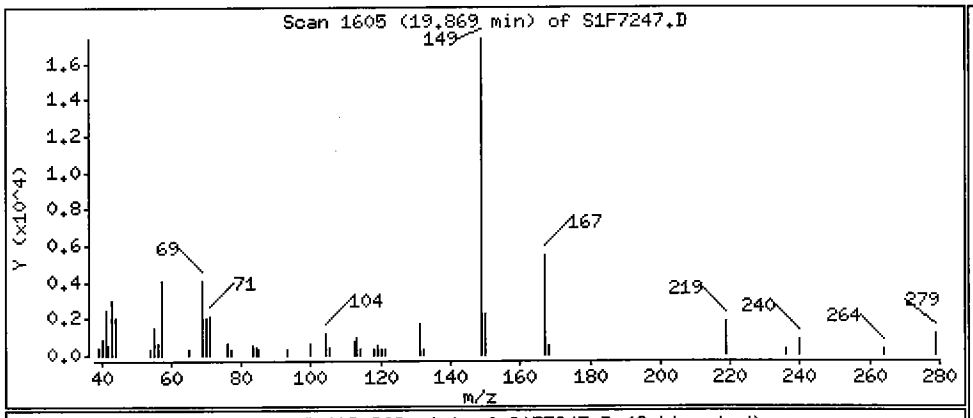
Client ID: 130173-FB-6408 Instrument: S1.i

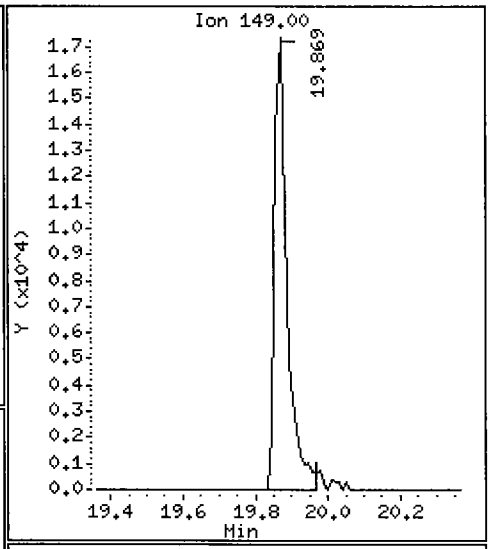
Sample Info: G0859-02B,,36906,,

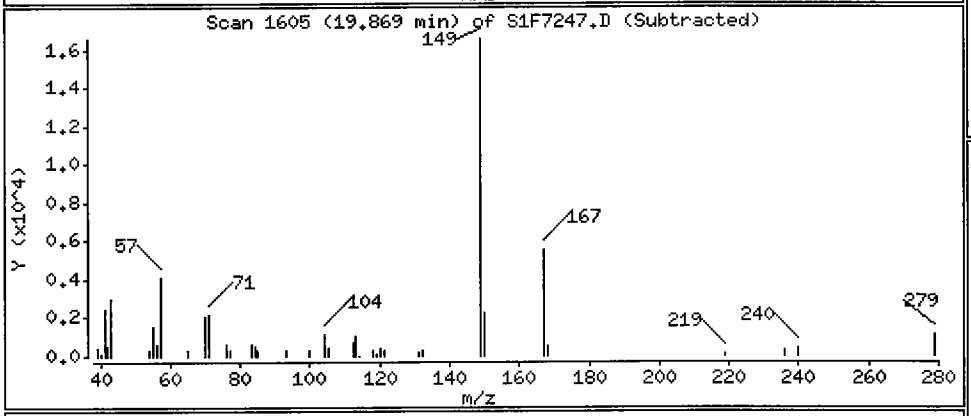
Volume Injected (uL): 1.0 Operator: DK SRC: LIMS

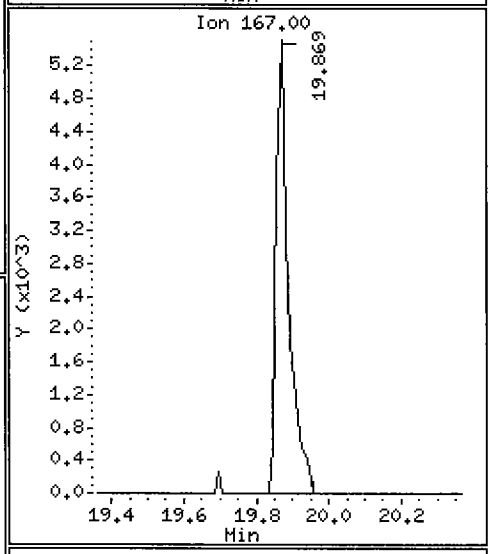
Column phase: DB-5MS Column diameter: 0.25

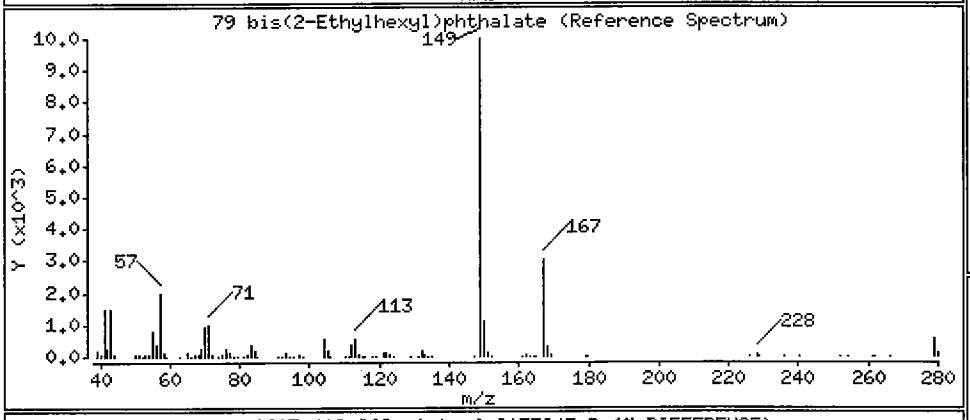
79 bis(2-Ethylhexyl)phthalate Concentration: 1.0 ug/L

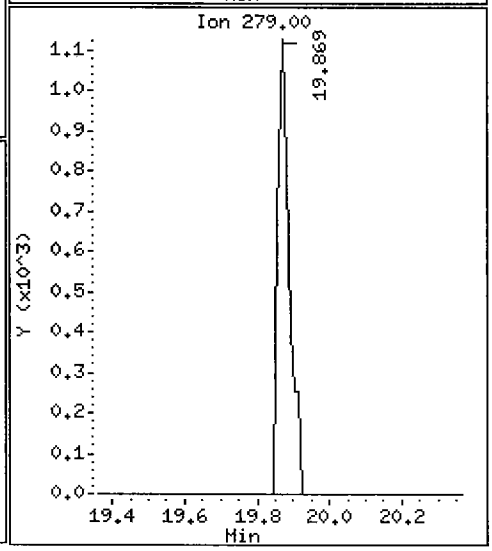


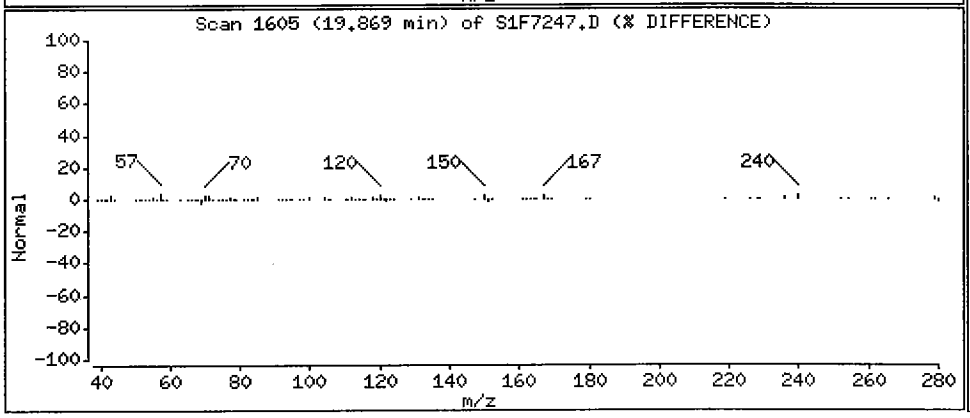












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7248.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7248.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

130173-MW-3-GW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0859-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7248.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received: 06/05/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

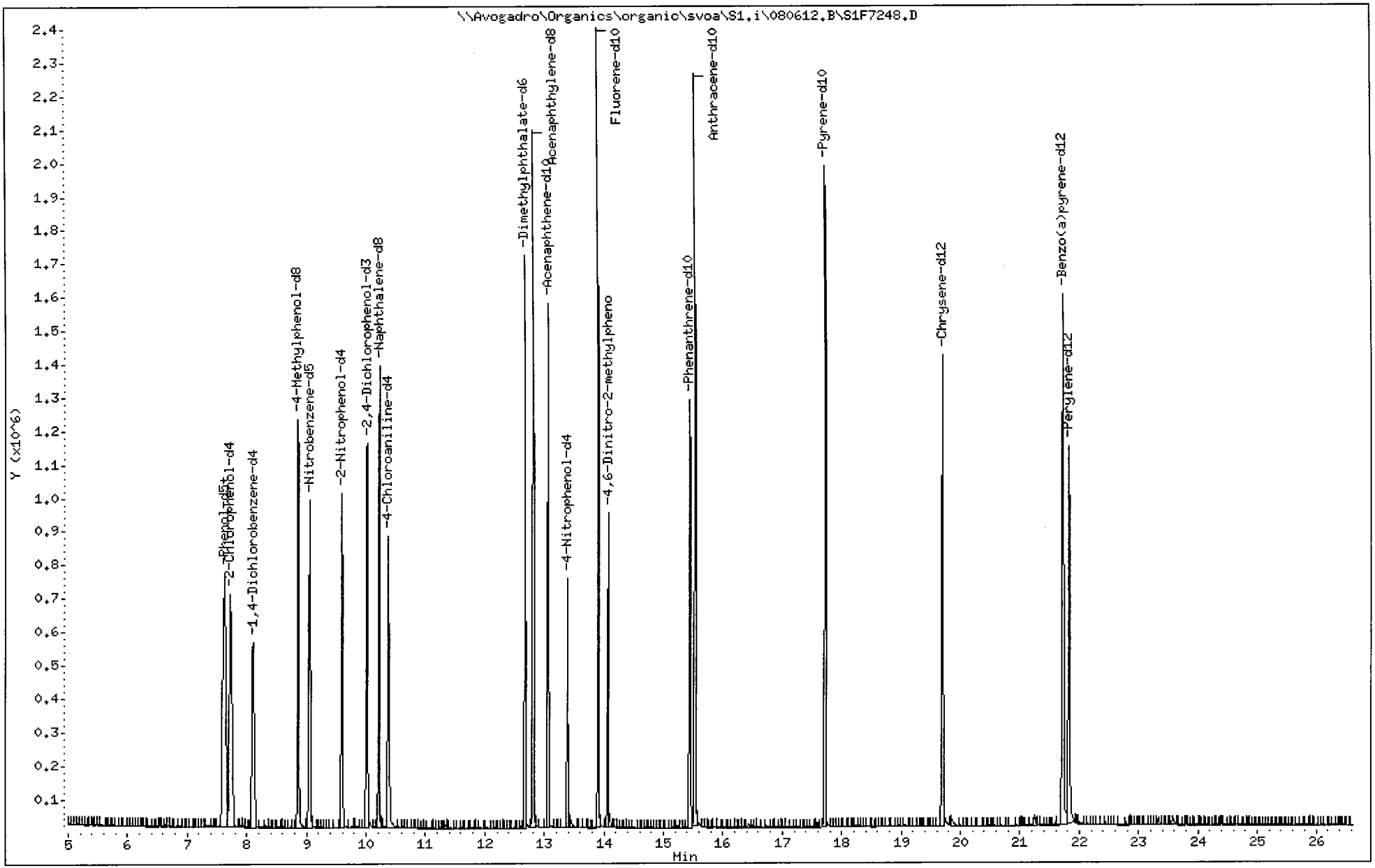
[2] EPA-designated Registry Number.

EPA OLC

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7248.D
Date : 12-JUN-2008 14:36
Client ID: 130173-MW-3-GW
Sample Info: G0859-03B,,36906,,
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i

Operator: DK SRC: LIMS
Column diameter: 0.25



S2T6

Data File: S1F7248.D
Report Date: 13-Jun-2008 12:59

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7248.D
Lab Smp Id: G0859-03B Client Smp ID: 130173-MW-3-GW
Inj Date : 12-JUN-2008 14:36
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0859-03B,,36906,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 2 Phenol-d5	99	7.626	7.622	(0.941)	1149964	34.7432	35
$ 4 bis(2-Chloroethyl)ether-d8	67	7.637	7.633	(0.943)	364807	34.4938	34
$ 6 2-Chlorophenol-d4	132	7.723	7.730	(0.953)	631758	36.8990	37
* 8 1,4-Dichlorobenzene-d4	152	8.101	8.097	(1.000)	270294	20.0000	
$ 11 4-Methylphenol-d8	113	8.858	8.865	(1.093)	492335	34.9948	35
$ 16 Nitrobenzene-d5	128	9.052	9.059	(0.886)	347544	38.1881	38
$ 19 2-Nitrophenol-d4	143	9.592	9.599	(0.939)	371259	36.2666	36
$ 23 2,4-Dichlorophenol-d3	165	10.014	10.010	(0.980)	464796	34.2466	34
* 25 Naphthalene-d8	136	10.219	10.215	(1.000)	1006975	20.0000	
$ 27 4-Chloroaniline-d4	131	10.370	10.377	(1.015)	479938	26.4821	26
$ 40 Dimethylphthalate-d6	166	12.672	12.679	(0.970)	1222502	37.6767	38
$ 43 Acenaphthylene-d8	160	12.812	12.809	(0.981)	1441442	36.2090	36
* 46 Acenaphthene-d10	164	13.061	13.068	(1.000)	445900	20.0000	
$ 49 4-Nitrophenol-d4	143	13.385	13.414	(1.025)	255789	40.5906	41(Q)
$ 54 Fluorene-d10	176	13.904	13.900	(1.065)	908400	37.0653	37
$ 58 4,6-Dinitro-2-methylphenol-d2	200	14.066	14.084	(0.911)	219198	33.2468	33(Q)
* 65 Phenanthrene-d10	188	15.438	15.445	(1.000)	720180	20.0000	
$ 67 Anthracene-d10	188	15.535	15.532	(1.006)	1290104	33.1563	33
$ 72 Pyrene-d10	212	17.718	17.714	(0.900)	1240820	41.5616	42
* 77 Chrysene-d12	240	19.696	19.703	(1.000)	705202	20.0000	
$ 83 Benzo(a)pyrene-d12	264	21.716	21.713	(0.995)	1016101	37.0020	37

Data File: S1F7248.D
Report Date: 13-Jun-2008 12:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 85 Perylene-d12	264	21.824	21.831	(1.000)	642783	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

06/13/08 BM

Data File: S1F7248.D
Report Date: 13-Jun-2008 12:59

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7248.D
Lab Smp Id: G0859-03B Client Smp ID: 130173-MW-3-GW
Inj Date : 12-JUN-2008 14:36
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : G0859-03B,,36906,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

6E - FORM VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: S1 Calibration Date(s): 06/11/2008 06/11/2008

Calibration Time(s): 16:23 18:52

LAB FILE ID: RRF005 = S1F7232.D RRF010 = S1F7234.D

RRF020 = S1F7231.D RRF050 = S1F7235.D RRF080 = S1F7233.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF080	RRF	%RSD
Benzaldehyde	0.643	0.653	0.651	0.566	0.587	0.620	6.5
Phenol	1.299	1.332	1.314	1.298	1.335	1.316	1.3
Bis(2-chloroethyl)ether	1.172	1.201	1.173	1.137	1.115	1.160	2.9
2-Chlorophenol	1.324	1.394	1.340	1.389	1.377	1.365	2.3
2-Methylphenol	0.964	0.991	1.023	1.031	1.009	1.004	2.7
2,2´-oxybis(1-Chloropropane)	1.935	1.860	1.887	1.881	1.801	1.873	2.6
Acetophenone	1.498	1.514	1.492	1.506	1.456	1.493	1.5
4-Methylphenol	1.017	1.080	1.024	0.966	0.926	1.003	5.9
N-Nitroso-di-n-propylamine	0.506	0.554	0.520	0.519	0.514	0.523	3.5
Hexachloroethane	0.535	0.555	0.543	0.525	0.475	0.527	5.9
Nitrobenzene	0.297	0.323	0.290	0.273	0.269	0.291	7.4
Isophorone	0.571	0.562	0.540	0.521	0.560	0.551	3.7
2-Nitrophenol	0.222	0.245	0.223	0.216	0.218	0.225	5.2
2,4-Dimethylphenol	0.250	0.249	0.258	0.233	0.255	0.249	4.0
Bis(2-chloroethoxy)methane	0.382	0.395	0.352	0.341	0.342	0.362	6.7
2,4-Dichlorophenol	0.281	0.298	0.285	0.283	0.284	0.286	2.4
Naphthalene	0.999	0.993	0.900	0.865	0.862	0.924	7.3
4-Chloroaniline	0.409	0.401	0.360	0.366	0.377	0.383	5.7
Hexachlorobutadiene	0.172	0.191	0.162	0.166	0.166	0.171	6.6
Caprolactam	0.082	0.059	0.058	0.052	0.070	0.064	18.5
4-Chloro-3-methylphenol	0.226	0.246	0.228	0.225	0.249	0.235	5.0
2-Methylnaphthalene	0.612	0.642	0.596	0.539	0.577	0.593	6.5
Hexachlorocyclopentadiene	0.088	0.121	0.167	0.217	0.229	0.164	36.8
2,4,6-Trichlorophenol	0.358	0.381	0.416	0.388	0.409	0.390	5.9
2,4,5-Trichlorophenol	0.473	0.481	0.384	0.624	0.671	0.526	22.4
1,1´-Biphenyl	1.570	1.575	1.640	1.504	1.409	1.539	5.7
2-Chloronaphthalene	1.211	1.248	1.261	1.165	1.085	1.194	6.0
2-Nitroaniline	0.395	0.352	0.426	0.441	0.490	0.421	12.2
Dimethylphthalate	1.527	1.476	1.583	1.481	1.480	1.509	3.0
2,6-Dinitrotoluene	0.427	0.432	0.456	0.404	0.367	0.417	8.0
Acenaphthylene	1.877	1.820	1.902	1.776	1.662	1.807	5.2
3-Nitroaniline	0.474	0.417	0.468	0.479	0.546	0.477	9.6
Acenaphthene	1.117	1.168	1.253	1.120	1.048	1.141	6.7
2,4-Dinitrophenol	0.093	0.158	0.225	0.280	0.352	0.221	45.7
4-Nitrophenol	0.134	0.142	0.176	0.184	0.219	0.171	20.0
Dibenzofuran	1.643	1.595	1.755	1.611	1.584	1.637	4.2

6F - FORM VI SV-2

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: S1 Calibration Date(s): 06/11/2008 06/11/2008

Calibration Time(s): 16:23 18:52

LAB FILE ID: RRF005 = S1F7232.D RRF010 = S1F7234.D

RRF020 = S1F7231.D RRF050 = S1F7235.D RRF080 = S1F7233.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF080	RRF	%RSD
2,4-Dinitrotoluene	0.529	0.520	0.523	0.490	0.492	0.511	3.6
Diethylphthalate	1.579	1.583	1.734	1.646	1.575	1.624	4.2
Fluorene	1.312	1.329	1.405	1.284	1.230	1.312	4.9
4-Chlorophenyl-phenylether	0.672	0.646	0.694	0.638	0.583	0.647	6.5
4-Nitroaniline	0.316	0.249	0.303	0.242	0.288	0.279	11.8
4,6-Dinitro-2-methylphenol	0.154	0.190	0.166	0.274	0.310	0.219	31.6
N-Nitrosodiphenylamine (1)	0.615	0.659	0.622	0.619	0.545	0.612	6.7
1,2,4,5-Tetrachlorobenzene	0.599	0.596	0.622	0.602	0.568	0.597	3.2
4-Bromophenyl-phenylether	0.281	0.275	0.295	0.277	0.266	0.279	3.9
Hexachlorobenzene	0.289	0.315	0.299	0.292	0.287	0.297	3.8
Atrazine	0.234	0.227	0.218	0.204	0.177	0.212	10.5
Pentachlorophenol	0.064	0.109	0.139	0.157	0.160	0.126	32.0
Phenanthrene	1.208	1.192	1.198	1.142	1.102	1.169	3.8
Anthracene	1.171	1.135	1.158	1.113	1.103	1.136	2.5
Di-n-butylphthalate	2.044	1.928	1.969	1.785	1.678	1.881	7.8
Fluoranthene	1.231	1.198	1.175	1.182	1.102	1.178	4.0
Pyrene	1.246	1.202	1.074	1.071	1.109	1.140	7.0
Butylbenzylphthalate	0.783	0.798	0.783	0.732	0.762	0.772	3.3
3,3´-Dichlorobenzidine	0.078	0.086	0.085	0.096	0.115	0.092	15.5
Benzo(a)anthracene	1.116	1.124	1.072	1.116	1.075	1.101	2.3
Chrysene	1.176	1.105	1.065	1.072	0.964	1.076	7.1
Bis(2-ethylhexyl)phthalate	1.075	1.141	1.045	1.064	1.067	1.078	3.4
Di-n-octylphthalate	2.086	2.115	2.162	2.124	1.971	2.092	3.5
Benzo(b)fluoranthene	1.307	1.197	1.119	1.330	1.243	1.239	6.9
Benzo(k)fluoranthene	1.508	1.431	1.457	1.308	1.213	1.383	8.7
Benzo(a)pyrene	1.096	1.103	1.139	1.058	1.076	1.095	2.8
Indeno(1,2,3-cd)pyrene	1.006	1.024	1.016	1.076	1.119	1.048	4.6
Dibenzo(a,h)anthracene	0.806	0.872	0.858	0.912	0.897	0.869	4.7
Benzo(g,h,i)perylene	0.864	0.916	0.881	0.958	0.922	0.908	4.1

(1) Cannot be separated from Diphenylamine

6G - FORM VI SV-3

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: S1 Calibration Date(s): 06/11/2008 06/11/2008

Calibration Time(s): 16:23 18:52

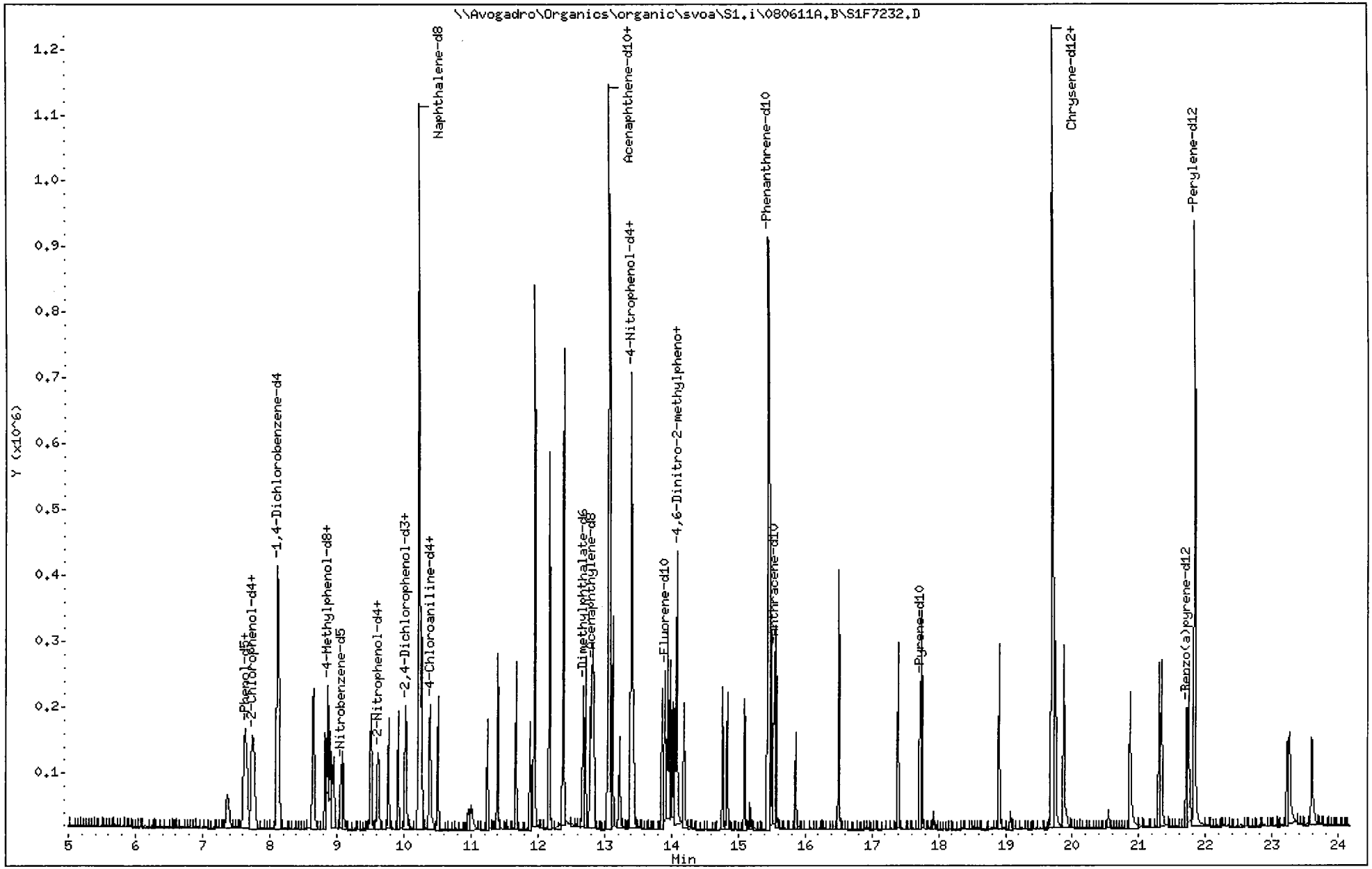
LAB FILE ID: RRF005 = S1F7232.D RRF010 = S1F7234.D

RRF020 = S1F7231.D RRF050 = S1F7235.D RRF080 = S1F7233.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF080	$\overline{RRF}$	%RSD
Phenol-d5	2.486	2.496	2.409	2.453	2.438	2.456	1.5
bis(2-Chloroethyl)ether-d8	0.818	0.826	0.787	0.777	0.775	0.797	3.0
2-Chlorophenol-d4	1.318	1.336	1.313	1.325	1.311	1.321	0.8
4-Methylphenol-d8	1.001	1.066	1.036	1.050	1.021	1.035	2.4
Nitrobenzene-d5	0.193	0.212	0.190	0.191	0.191	0.195	4.9
2-Nitrophenol-d4	0.201	0.216	0.203	0.202	0.203	0.205	3.1
2,4-Dichlorophenol-d3	0.268	0.301	0.283	0.287	0.283	0.284	4.2
4-Chloroaniline-d4	0.366	0.405	0.344	0.338	0.361	0.363	7.2
Dimethylphthalate-d6	1.583	1.451	1.570	1.394	1.387	1.477	6.4
Acenaphthylene-d8	1.783	1.808	1.842	1.644	1.563	1.728	6.9
4-Nitrophenol-d4	0.247	0.268	0.296	0.282	0.288	0.276	6.9
Fluorene-d10	1.122	1.121	1.149	1.210	1.152	1.151	3.1
4,6-Dinitro-2-methylphenol-d2	0.116	0.164	0.172	0.193	0.187	0.166	18.3
Anthracene-d10	1.116	1.126	1.091	1.078	0.993	1.081	4.9
Pyrene-d10	0.900	0.883	0.829	0.813	0.877	0.860	4.3
Benzo(a)pyrene-d12	0.884	0.890	0.850	0.896	0.854	0.875	2.4

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7232.D
Date : 11-JUN-2008 17:00
Client ID: SSTD0051I
Sample Info: SSTD0051I,SSTD0051I
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i
Operator: DK SRC: DK
Column diameter: 0.25



Data File: S1F7232.D
Report Date: 11-Jun-2008 18:12

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7232.D
Lab Smp Id: SSTD0051I Client Smp ID: SSTD0051I
Inj Date : 11-JUN-2008 17:00
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0051I,SSTD0051I
Misc Info : 1,1
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 11-Jun-2008 18:12 bmaczewska Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
1	Benzaldehyde	77	7.363	7.364	(0.908)	33854	5.00000	5.1
$ 2	Phenol-d5	99	7.644	7.645	(0.943)	130903	5.00000	5.1
3	Phenol	94	7.633	7.645	(0.941)	68415	5.00000	4.9(a)
$ 4	bis(2-Chloroethyl)ether-d8	67	7.644	7.645	(0.943)	43082	5.00000	5.2
5	bis(2-Chloroethyl)ether	93	7.731	7.731	(0.953)	61691	5.00000	5.1
$ 6	2-Chlorophenol-d4	132	7.741	7.742	(0.955)	69379	5.00000	5.0
7	2-Chlorophenol	128	7.763	7.764	(0.957)	69728	5.00000	4.9(a)
* 8	1,4-Dichlorobenzene-d4	152	8.109	8.120	(1.000)	210627	20.0000	
9	2-Methylphenol	108	8.638	8.650	(1.065)	50787	5.00000	4.8(a)
10	2,2'-oxybis(1-Chloropropane)	45	8.649	8.650	(1.067)	101867	5.00000	5.2
$ 11	4-Methylphenol-d8	113	8.865	8.877	(1.093)	52704	5.00000	4.9(a)
12	4-Methylphenol	108	8.908	8.920	(1.099)	53553	5.00000	5.1
14	N-Nitroso-di-n-propylamine	70	8.865	8.877	(1.093)	26663	5.00000	5.2
13	Acetophenone	105	8.822	8.833	(1.088)	78898	5.00000	5.1
15	Hexachloroethane	117	8.952	8.952	(1.104)	28168	5.00000	5.2
$ 16	Nitrobenzene-d5	128	9.060	9.071	(0.886)	35853	5.00000	5.0
17	Nitrobenzene	77	9.092	9.103	(0.889)	55237	5.00000	5.2
18	Isophorone	82	9.513	9.514	(0.930)	106324	5.00000	5.1
$ 19	2-Nitrophenol-d4	143	9.611	9.611	(0.940)	37401	5.00000	5.0
20	2-Nitrophenol	139	9.632	9.633	(0.942)	41395	5.00000	5.0
21	2,4-Dimethylphenol	107	9.773	9.773	(0.956)	46582	5.00000	4.9(a)

Data File: S1F7232.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	9.913	9.914	(0.969)	71046	5.00000	5.3
$	23 2,4-Dichlorophenol-d3	165	10.021	10.022	(0.980)	49840	5.00000	4.8(a)
	24 2,4-Dichlorophenol	162	10.043	10.044	(0.982)	52370	5.00000	5.0
*	25 Naphthalene-d8	136	10.227	10.227	(1.000)	744604	20.0000	
	26 Naphthalene	128	10.259	10.260	(1.003)	185948	5.00000	5.4
$	27 4-Chloroaniline-d4	131	10.378	10.389	(1.015)	68201	5.00000	5.1
	28 4-Chloroaniline	127	10.400	10.400	(1.017)	76168	5.00000	5.4
	29 Hexachlorobutadiene	225	10.508	10.508	(1.027)	31939	5.00000	5.1
	30 Caprolactam	113	11.005	11.124	(1.076)	15192	5.00000	5.8
	31 4-Chloro-3-methylphenol	107	11.242	11.254	(1.099)	41996	5.00000	4.8(a)
	32 2-Methylnaphthalene	142	11.394	11.405	(1.114)	113949	5.00000	5.1
	33 Hexachlorocyclopentadiene	237	11.675	11.675	(0.893)	8031	5.00000	2.7(a)
	34 1,2,4,5-Tetrachlorobenzene	216	11.675	11.675	(0.893)	54579	5.00000	5.0
	35 2,4,6-Trichlorophenol	196	11.891	11.891	(0.910)	32616	5.00000	4.5(a)
	36 2,4,5-Trichlorophenol	196	11.945	11.956	(0.914)	172369	20.0000	19(a)
	37 1,1'-Biphenyl	154	12.172	12.172	(0.931)	143046	5.00000	5.1
	38 2-Chloronaphthalene	162	12.172	12.183	(0.931)	110337	5.00000	5.1
	39 2-Nitroaniline	65	12.388	12.410	(0.948)	143941	20.0000	18(a)
$	40 Dimethylphthalate-d6	166	12.680	12.691	(0.970)	144245	5.00000	5.2
	41 Dimethylphthalate	163	12.712	12.723	(0.973)	139143	5.00000	5.0
	42 2,6-Dinitrotoluene	165	12.788	12.799	(0.979)	38895	5.00000	5.1
$	43 Acenaphthylene-d8	160	12.809	12.821	(0.980)	162538	5.00000	5.2
	44 Acenaphthylene	152	12.831	12.842	(0.982)	171027	5.00000	5.2
	45 3-Nitroaniline	138	13.058	13.080	(0.999)	172837	20.0000	19(a)
*	46 Acenaphthene-d10	164	13.069	13.080	(1.000)	364539	20.0000	
	47 Acenaphthene	153	13.123	13.134	(1.004)	101820	5.00000	4.9(a)
	48 2,4-Dinitrophenol	184	13.220	13.242	(1.012)	33776	20.0000	8.3(a)
$	49 4-Nitrophenol-d4	143	13.393	13.415	(1.025)	22540	5.00000	4.5(a)
	50 4-Nitrophenol	109	13.403	13.437	(1.026)	48889	20.0000	15(a)
	51 2,4-Dinitrotoluene	165	13.436	13.447	(1.028)	48230	5.00000	5.1
	52 Dibenzofuran	168	13.403	13.415	(1.026)	149717	5.00000	4.9(a)
	53 Diethylphthalate	149	13.868	13.880	(1.061)	143930	5.00000	4.8(a)
$	54 Fluorene-d10	176	13.911	13.912	(1.064)	102253	5.00000	4.9(a)
	55 4-Chlorophenyl-phenylether	204	13.987	13.998	(1.070)	61224	5.00000	5.2
	56 Fluorene	166	13.955	13.966	(1.068)	119581	5.00000	5.0
	57 4-Nitroaniline	138	14.041	14.063	(1.074)	115148	20.0000	21
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.073	14.096	(0.911)	15771	5.00000	3.7(a)
	59 4,6-Dinitro-2-methylphenol	198	14.084	14.107	(0.912)	83992	20.0000	15(a)
	60 N-Nitrosodiphenylamine	169	14.192	14.193	(0.919)	83892	5.00000	5.2
	61 4-Bromophenyl-phenylether	248	14.765	14.776	(0.956)	38390	5.00000	5.0
	62 Hexachlorobenzene	284	14.841	14.841	(0.961)	39451	5.00000	5.0
	63 Atrazine	200	15.100	15.111	(0.978)	31871	5.00000	5.6
	64 Pentachlorophenol	266	15.186	15.187	(0.983)	8685	5.00000	2.6(a)
*	65 Phenanthrene-d10	188	15.446	15.457	(1.000)	545752	20.0000	
	66 Phenanthrene	178	15.489	15.490	(1.003)	164884	5.00000	5.2
$	67 Anthracene-d10	188	15.532	15.544	(1.006)	152237	5.00000	5.2
	68 Anthracene	178	15.565	15.576	(1.008)	159775	5.00000	5.1
	70 Di-n-butylphthalate	149	16.505	16.516	(1.069)	278894	5.00000	5.4
	71 Fluoranthene	202	17.391	17.402	(1.126)	167919	5.00000	5.3
$	72 Pyrene-d10	212	17.715	17.726	(0.899)	129325	5.00000	5.2
	73 Pyrene	202	17.747	17.759	(0.901)	179109	5.00000	5.5
	74 Butylbenzylphthalate	149	18.904	18.915	(0.959)	112528	5.00000	5.0
	75 3,3'-Dichlorobenzidine	252	19.703	19.704	(1.000)	11240	5.00000	4.2(a)
	79 bis(2-Ethylhexyl)phthalate	149	19.876	19.877	(1.009)	154476	5.00000	5.1

Data File: S1F7232.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	76 Benzo(a)anthracene	228	19.692	19.693	(0.999)	160394	5.00000	5.1
*	77 Chrysene-d12	240	19.703	19.715	(1.000)	574919	20.0000	
	78 Chrysene	228	19.746	19.747	(1.002)	169051	5.00000	5.5
	80 Di-n-octylphthalate	149	20.859	20.871	(0.955)	241569	5.00000	5.0
	81 Benzo(b)fluoranthene	252	21.302	21.314	(0.976)	151374	5.00000	5.3
	82 Benzo(k)fluoranthene	252	21.335	21.346	(0.977)	174581	5.00000	5.4
$	83 Benzo(a)pyrene-d12	264	21.713	21.725	(0.995)	102330	5.00000	5.1
	84 Benzo(a)pyrene	252	21.745	21.757	(0.996)	126963	5.00000	5.0
*	85 Perylene-d12	264	21.832	21.833	(1.000)	463199	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.226	23.237	(1.064)	116479	5.00000	4.8(a)
	87 Dibenzo(a,h)anthracene	278	23.258	23.270	(1.065)	93280	5.00000	4.7(a)
	88 Benzo(g,h,i)perylene	276	23.604	23.615	(1.081)	100005	5.00000	4.9(a)

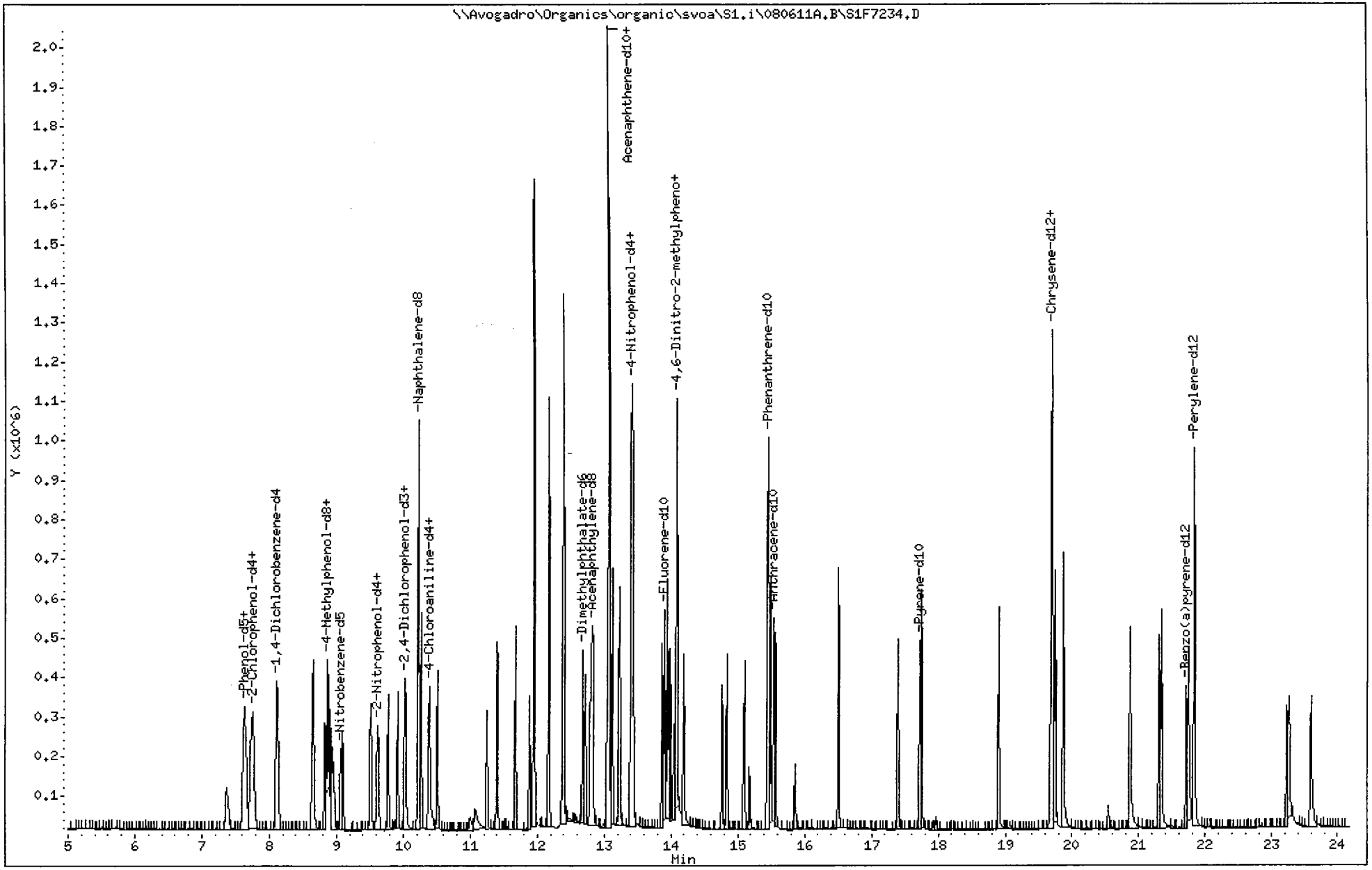
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

06/12/08 BM

CW 6/12/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7234.D
Date : 11-JUN-2008 18:15
Client ID: SSTD0101I
Instrument: S1.i
Sample Info: SSTD0101I,SSTD0101I
Volume Injected (uL): 1.0
Operator: DK SRC: DK
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F7234.D
Report Date: 12-Jun-2008 09:41

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7234.D
Lab Smp Id: SSTD0101I Client Smp ID: SSTD0101I
Inj Date : 11-JUN-2008 18:15
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0101I,SSTD0101I
Misc Info : 1,2
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 12-Jun-2008 09:41 beata Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.363	7.364	(0.908)	66186	10.0000	10
$	2 Phenol-d5	99	7.644	7.645	(0.943)	252952	10.0000	10
	3 Phenol	94	7.633	7.645	(0.941)	134977	10.0000	10
$	4 bis(2-Chloroethyl)ether-d8	67	7.644	7.645	(0.943)	83690	10.0000	10
	5 bis(2-Chloroethyl)ether	93	7.719	7.731	(0.952)	121693	10.0000	10
$	6 2-Chlorophenol-d4	132	7.741	7.742	(0.955)	135372	10.0000	10
	7 2-Chlorophenol	128	7.762	7.764	(0.957)	141271	10.0000	10
*	8 1,4-Dichlorobenzene-d4	152	8.108	8.120	(1.000)	202651	20.0000	
	9 2-Methylphenol	108	8.649	8.650	(1.067)	100431	10.0000	9.9
	10 2,2'-oxybis(1-Chloropropane)	45	8.649	8.650	(1.067)	188422	10.0000	9.9
$	11 4-Methylphenol-d8	113	8.865	8.877	(1.093)	108004	10.0000	10
	12 4-Methylphenol	108	8.908	8.920	(1.099)	109404	10.0000	11
	14 N-Nitroso-di-n-propylamine	70	8.865	8.877	(1.093)	56144	10.0000	11
	13 Acetophenone	105	8.832	8.833	(1.089)	153437	10.0000	10
	15 Hexachloroethane	117	8.951	8.952	(1.104)	56192	10.0000	11
$	16 Nitrobenzene-d5	128	9.059	9.071	(0.886)	75476	10.0000	11
	17 Nitrobenzene	77	9.092	9.103	(0.889)	114907	10.0000	11
	18 Isophorone	82	9.513	9.514	(0.930)	199867	10.0000	10
$	19 2-Nitrophenol-d4	143	9.610	9.611	(0.940)	76915	10.0000	11
	20 2-Nitrophenol	139	9.632	9.633	(0.942)	87099	10.0000	11
	21 2,4-Dimethylphenol	107	9.772	9.773	(0.956)	88590	10.0000	9.8

Data File: S1F7234.D
Report Date: 12-Jun-2008 09:41

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
Compounds								
22	bis(2-Chloroethoxy)methane	93	9.913	9.914	(0.969)	140228	10.0000	11
$ 23	2,4-Dichlorophenol-d3	165	10.021	10.022	(0.980)	107136	10.0000	11
24	2,4-Dichlorophenol	162	10.042	10.044	(0.982)	105973	10.0000	10
* 25	Naphthalene-d8	136	10.226	10.227	(1.000)	710903	20.0000	
26	Naphthalene	128	10.259	10.260	(1.003)	352811	10.0000	11
$ 27	4-Chloroaniline-d4	131	10.377	10.389	(1.015)	143807	10.0000	11
28	4-Chloroaniline	127	10.399	10.400	(1.017)	142565	10.0000	10
29	Hexachlorobutadiene	225	10.507	10.508	(1.027)	67756	10.0000	11
30	Caprolactam	113	11.069	11.124	(1.082)	20965	10.0000	8.8
31	4-Chloro-3-methylphenol	107	11.242	11.254	(1.099)	87419	10.0000	10
32	2-Methylnaphthalene	142	11.393	11.405	(1.114)	228143	10.0000	11
33	Hexachlorocyclopentadiene	237	11.674	11.675	(0.893)	21515	10.0000	8.0
34	1,2,4,5-Tetrachlorobenzene	216	11.674	11.675	(0.893)	106241	10.0000	10
35	2,4,6-Trichlorophenol	196	11.890	11.891	(0.909)	67859	10.0000	9.7
36	2,4,5-Trichlorophenol	196	11.955	11.956	(0.914)	428554	50.0000	48
37	1,1'-Biphenyl	154	12.171	12.172	(0.931)	280608	10.0000	10
38	2-Chloronaphthalene	162	12.182	12.183	(0.931)	222466	10.0000	10
39	2-Nitroaniline	65	12.398	12.410	(0.948)	313891	50.0000	42
$ 40	Dimethylphthalate-d6	166	12.679	12.691	(0.969)	258663	10.0000	9.7
41	Dimethylphthalate	163	12.722	12.723	(0.973)	263052	10.0000	9.7
42	2,6-Dinitrotoluene	165	12.798	12.799	(0.979)	76979	10.0000	10
$ 43	Acenaphthylene-d8	160	12.820	12.821	(0.980)	322187	10.0000	10
44	Acenaphthylene	152	12.841	12.842	(0.982)	324307	10.0000	10
45	3-Nitroaniline	138	13.068	13.080	(0.999)	371986	50.0000	44
* 46	Acenaphthene-d10	164	13.079	13.080	(1.000)	356415	20.0000	
47	Acenaphthene	153	13.122	13.134	(1.003)	208155	10.0000	10
48	2,4-Dinitrophenol	184	13.230	13.242	(1.012)	140791	50.0000	38
$ 49	4-Nitrophenol-d4	143	13.403	13.415	(1.025)	47844	10.0000	9.8
50	4-Nitrophenol	109	13.425	13.437	(1.026)	126713	50.0000	42
51	2,4-Dinitrotoluene	165	13.435	13.447	(1.027)	92657	10.0000	10
52	Dibenzofuran	168	13.403	13.415	(1.025)	284279	10.0000	9.7
53	Diethylphthalate	149	13.868	13.880	(1.060)	282017	10.0000	9.8
$ 54	Fluorene-d10	176	13.911	13.912	(1.064)	199745	10.0000	9.9
55	4-Chlorophenyl-phenylether	204	13.987	13.998	(1.069)	115035	10.0000	10
56	Fluorene	166	13.954	13.966	(1.067)	236749	10.0000	10
57	4-Nitroaniline	138	14.051	14.063	(1.074)	221633	50.0000	43
$ 58	4,6-Dinitro-2-methylphenol-d2	200	14.084	14.096	(0.911)	43652	10.0000	10
59	4,6-Dinitro-2-methylphenol	198	14.095	14.107	(0.912)	251977	50.0000	46
60	N-Nitrosodiphenylamine	169	14.192	14.193	(0.918)	175097	10.0000	11
61	4-Bromophenyl-phenylether	248	14.775	14.776	(0.956)	72954	10.0000	9.8
62	Hexachlorobenzene	284	14.840	14.841	(0.960)	83747	10.0000	11
63	Atrazine	200	15.100	15.111	(0.977)	60185	10.0000	11
64	Pentachlorophenol	266	15.186	15.187	(0.983)	28967	10.0000	9.3
* 65	Phenanthrene-d10	188	15.456	15.457	(1.000)	531245	20.0000	
66	Phenanthrene	178	15.489	15.490	(1.002)	316680	10.0000	10
$ 67	Anthracene-d10	188	15.543	15.544	(1.006)	299205	10.0000	10
68	Anthracene	178	15.575	15.576	(1.008)	301403	10.0000	9.9
70	Di-n-butylphthalate	149	16.504	16.516	(1.068)	512113	10.0000	10
71	Fluoranthene	202	17.401	17.402	(1.126)	318235	10.0000	10
$ 72	Pyrene-d10	212	17.725	17.726	(0.900)	252343	10.0000	10
73	Pyrene	202	17.747	17.759	(0.901)	343517	10.0000	10
74	Butylbenzylphthalate	149	18.903	18.915	(0.959)	228218	10.0000	10
75	3,3'-Dichlorobenzidine	252	19.703	19.704	(1.000)	24461	10.0000	9.4
79	bis(2-Ethylhexyl)phthalate	149	19.876	19.877	(1.009)	326132	10.0000	11

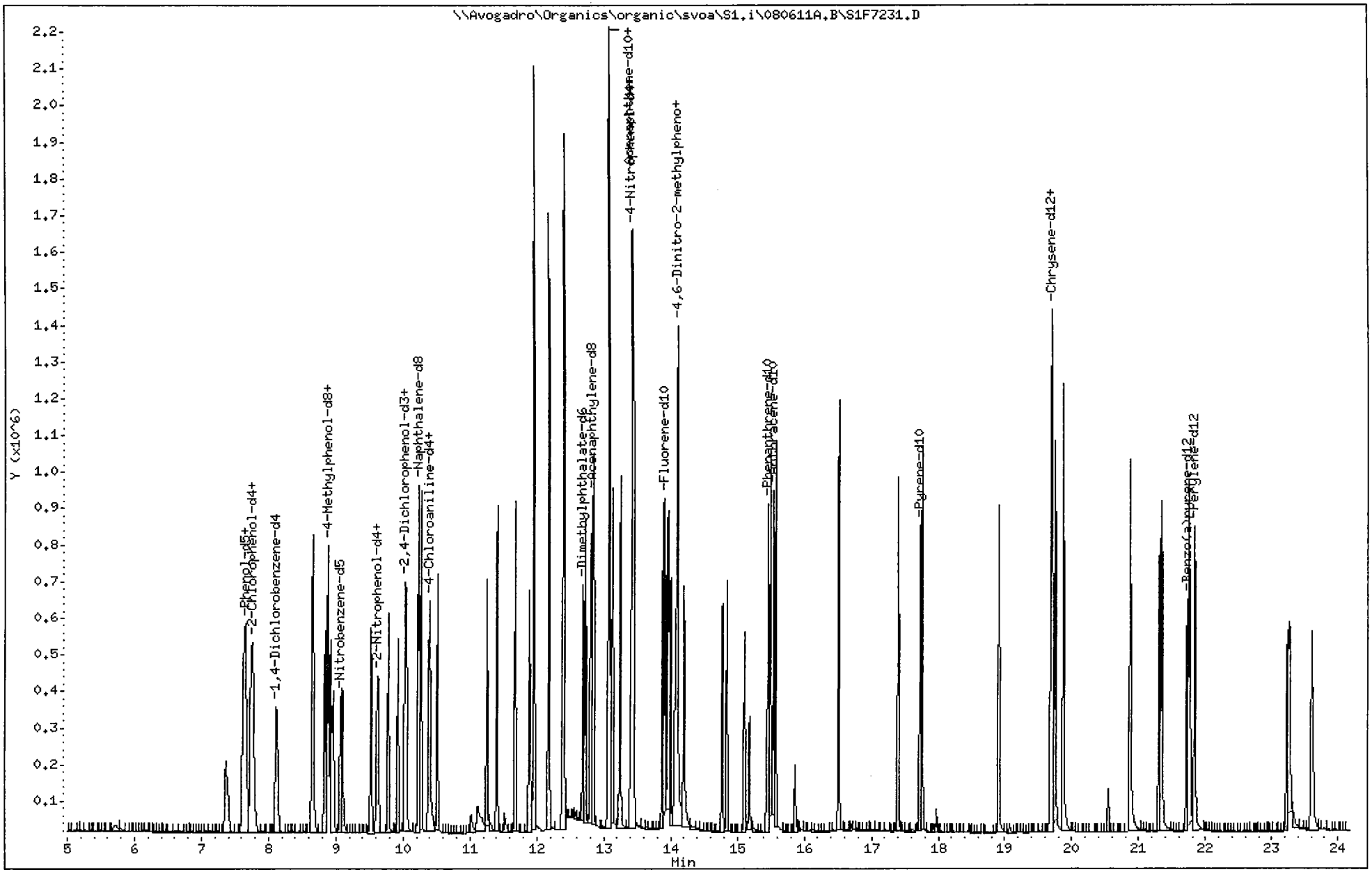
Data File: S1F7234.D
Report Date: 12-Jun-2008 09:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	76 Benzo(a)anthracene	228	19.692	19.693	(0.999)	321350	10.0000	10
*	77 Chrysene-d12	240	19.703	19.715	(1.000)	571674	20.0000	
	78 Chrysene	228	19.746	19.747	(1.002)	315783	10.0000	10
	80 Di-n-octylphthalate	149	20.859	20.871	(0.955)	520418	10.0000	10
	81 Benzo(b)fluoranthene	252	21.302	21.314	(0.976)	294593	10.0000	9.8
	82 Benzo(k)fluoranthene	252	21.345	21.346	(0.978)	352166	10.0000	10
$	83 Benzo(a)pyrene-d12	264	21.713	21.725	(0.995)	219034	10.0000	10
	84 Benzo(a)pyrene	252	21.756	21.757	(0.997)	271492	10.0000	10
*	85 Perylene-d12	264	21.831	21.833	(1.000)	492087	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.225	23.237	(1.064)	252064	10.0000	9.8
	87 Dibenzo(a,h)anthracene	278	23.258	23.270	(1.065)	214582	10.0000	10
	88 Benzo(g,h,i)perylene	276	23.604	23.615	(1.081)	225484	10.0000	10

06/12/08 BM

CV 6/12/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7231.D
Date : 11-JUN-2008 16:23
Client ID: SSTD0201I
Instrument: S1.i
Sample Info: SSTD0201I,SSTD0201I
Volume Injected (uL): 1.0
Operator: DK SRC: DK
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F7231.D
Report Date: 11-Jun-2008 18:12

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7231.D
Lab Smp Id: SSTD0201I Client Smp ID: SSTD0201I
Inj Date : 11-JUN-2008 16:23
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0201I,SSTD0201I
Misc Info : 2,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 11-Jun-2008 18:12 S1.i Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.364	7.364	(0.907)	122198	20.0000	21
$	2 Phenol-d5	99	7.645	7.645	(0.941)	452266	20.0000	20
	3 Phenol	94	7.645	7.645	(0.941)	246690	20.0000	20
$	4 bis(2-Chloroethyl)ether-d8	67	7.645	7.645	(0.941)	147747	20.0000	20
	5 bis(2-Chloroethyl)ether	93	7.731	7.731	(0.952)	220294	20.0000	20
$	6 2-Chlorophenol-d4	132	7.742	7.742	(0.953)	246537	20.0000	20
	7 2-Chlorophenol	128	7.764	7.764	(0.956)	251590	20.0000	20
*	8 1,4-Dichlorobenzene-d4	152	8.120	8.120	(1.000)	187755	20.0000	
	9 2-Methylphenol	108	8.650	8.650	(1.065)	192152	20.0000	20
	10 2,2'-oxybis(1-Chloropropane)	45	8.650	8.650	(1.065)	354364	20.0000	20
$	11 4-Methylphenol-d8	113	8.877	8.877	(1.093)	194577	20.0000	20
	12 4-Methylphenol	108	8.920	8.920	(1.098)	192335	20.0000	21
	14 N-Nitroso-di-n-propylamine	70	8.877	8.877	(1.093)	97593	20.0000	21
	13 Acetophenone	105	8.833	8.833	(1.088)	280095	20.0000	20
	15 Hexachloroethane	117	8.952	8.952	(1.102)	102036	20.0000	21
$	16 Nitrobenzene-d5	128	9.071	9.071	(0.887)	130989	20.0000	20
	17 Nitrobenzene	77	9.103	9.103	(0.890)	200330	20.0000	20
	18 Isophorone	82	9.514	9.514	(0.930)	372698	20.0000	19
$	19 2-Nitrophenol-d4	143	9.611	9.611	(0.940)	140308	20.0000	20
	20 2-Nitrophenol	139	9.633	9.633	(0.942)	154158	20.0000	20
	21 2,4-Dimethylphenol	107	9.773	9.773	(0.956)	178257	20.0000	20
	22 bis(2-Chloroethoxy)methane	93	9.914	9.914	(0.969)	242857	20.0000	20

Data File: S1F7231.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	23 2,4-Dichlorophenol-d3	165	10.022	10.022	(0.980)	195183	20.0000	20
	24 2,4-Dichlorophenol	162	10.044	10.044	(0.982)	196414	20.0000	20
*	25 Naphthalene-d8	136	10.227	10.227	(1.000)	689869	20.0000	
	26 Naphthalene	128	10.260	10.260	(1.003)	621028	20.0000	20
$	27 4-Chloroaniline-d4	131	10.389	10.389	(1.016)	237642	20.0000	19
	28 4-Chloroaniline	127	10.400	10.400	(1.017)	248099	20.0000	19
	29 Hexachlorobutadiene	225	10.508	10.508	(1.027)	111808	20.0000	19
	30 Caprolactam	113	11.124	11.124	(1.088)	40116	20.0000	17
	31 4-Chloro-3-methylphenol	107	11.254	11.254	(1.100)	157070	20.0000	19
	32 2-Methylnaphthalene	142	11.405	11.405	(1.115)	411275	20.0000	20
	33 Hexachlorocyclopentadiene	237	11.675	11.675	(0.893)	50154	20.0000	21
	34 1,2,4,5-Tetrachlorobenzene	216	11.675	11.675	(0.893)	186907	20.0000	21
	35 2,4,6-Trichlorophenol	196	11.891	11.891	(0.909)	124959	20.0000	21
	36 2,4,5-Trichlorophenol	196	11.956	11.956	(0.914)	461789	80.0000	60
	37 1,1'-Biphenyl	154	12.172	12.172	(0.931)	492839	20.0000	21
	38 2-Chloronaphthalene	162	12.183	12.183	(0.931)	379134	20.0000	21
	39 2-Nitroaniline	65	12.410	12.410	(0.949)	511645	80.0000	78
$	40 Dimethylphthalate-d6	166	12.691	12.691	(0.970)	471854	20.0000	21
	41 Dimethylphthalate	163	12.723	12.723	(0.973)	475739	20.0000	21
	42 2,6-Dinitrotoluene	165	12.799	12.799	(0.979)	137140	20.0000	22
$	43 Acenaphthylene-d8	160	12.821	12.821	(0.980)	553617	20.0000	21
	44 Acenaphthylene	152	12.842	12.842	(0.982)	571730	20.0000	21
	45 3-Nitroaniline	138	13.080	13.080	(1.000)	562073	80.0000	75
*	46 Acenaphthene-d10	164	13.080	13.080	(1.000)	300558	20.0000	
	47 Acenaphthene	153	13.134	13.134	(1.004)	376736	20.0000	22
	48 2,4-Dinitrophenol	184	13.242	13.242	(1.012)	270013	80.0000	81
$	49 4-Nitrophenol-d4	143	13.415	13.415	(1.026)	88989	20.0000	21(Q)
	50 4-Nitrophenol	109	13.437	13.437	(1.027)	211451	80.0000	80
	51 2,4-Dinitrotoluene	165	13.447	13.447	(1.028)	157066	20.0000	20(Q)
	52 Dibenzofuran	168	13.415	13.415	(1.026)	527368	20.0000	21
	53 Diethylphthalate	149	13.880	13.880	(1.061)	521215	20.0000	21
$	54 Fluorene-d10	176	13.912	13.912	(1.064)	345294	20.0000	20
	55 4-Chlorophenyl-phenylether	204	13.998	13.998	(1.070)	208661	20.0000	21
	56 Fluorene	166	13.966	13.966	(1.068)	422241	20.0000	21
	57 4-Nitroaniline	138	14.063	14.063	(1.075)	364520	80.0000	80
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.096	14.096	(0.912)	81595	20.0000	22
	59 4,6-Dinitro-2-methylphenol	198	14.107	14.107	(0.913)	316823	80.0000	63
	60 N-Nitrosodiphenylamine	169	14.193	14.193	(0.918)	295769	20.0000	21
	61 4-Bromophenyl-phenylether	248	14.776	14.776	(0.956)	140556	20.0000	21
	62 Hexachlorobenzene	284	14.841	14.841	(0.960)	142387	20.0000	21
	63 Atrazine	200	15.111	15.111	(0.978)	103791	20.0000	21
	64 Pentachlorophenol	266	15.187	15.187	(0.983)	66053	20.0000	23
*	65 Phenanthrene-d10	188	15.457	15.457	(1.000)	475733	20.0000	
	66 Phenanthrene	178	15.490	15.490	(1.002)	569831	20.0000	20
$	67 Anthracene-d10	188	15.544	15.544	(1.006)	519008	20.0000	20
	68 Anthracene	178	15.576	15.576	(1.008)	551000	20.0000	20
	70 Di-n-butylphthalate	149	16.516	16.516	(1.069)	936519	20.0000	21
	71 Fluoranthene	202	17.402	17.402	(1.126)	558825	20.0000	20
$	72 Pyrene-d10	212	17.726	17.726	(0.899)	445048	20.0000	19
	73 Pyrene	202	17.759	17.759	(0.901)	576402	20.0000	19
	74 Butylbenzylphthalate	149	18.915	18.915	(0.959)	420586	20.0000	20
	75 3,3'-Dichlorobenzidine	252	19.704	19.704	(0.999)	45620	20.0000	18
	79 bis(2-Ethylhexyl)phthalate	149	19.877	19.877	(1.008)	560850	20.0000	20
	76 Benzo(a)anthracene	228	19.693	19.693	(0.999)	575459	20.0000	20

Data File: S1F7231.D
Report Date: 11-Jun-2008 18:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 77 Chrysene-d12	240	19.715	19.715	(1.000)	536912	20.0000	
78 Chrysene	228	19.747	19.747	(1.002)	571682	20.0000	20
80 Di-n-octylphthalate	149	20.871	20.871	(0.956)	979323	20.0000	21
81 Benzo(b)fluoranthene	252	21.314	21.314	(0.976)	506779	20.0000	18
82 Benzo(k)fluoranthene	252	21.346	21.346	(0.978)	660072	20.0000	21
$ 83 Benzo(a)pyrene-d12	264	21.725	21.725	(0.995)	385276	20.0000	20
84 Benzo(a)pyrene	252	21.757	21.757	(0.997)	516078	20.0000	21
* 85 Perylene-d12	264	21.833	21.833	(1.000)	453059	20.0000	
86 Indeno(1,2,3-cd)pyrene	276	23.237	23.237	(1.064)	460491	20.0000	19
87 Dibenzo(a,h)anthracene	278	23.270	23.270	(1.066)	388565	20.0000	20
88 Benzo(g,h,i)perylene	276	23.615	23.615	(1.082)	399054	20.0000	20

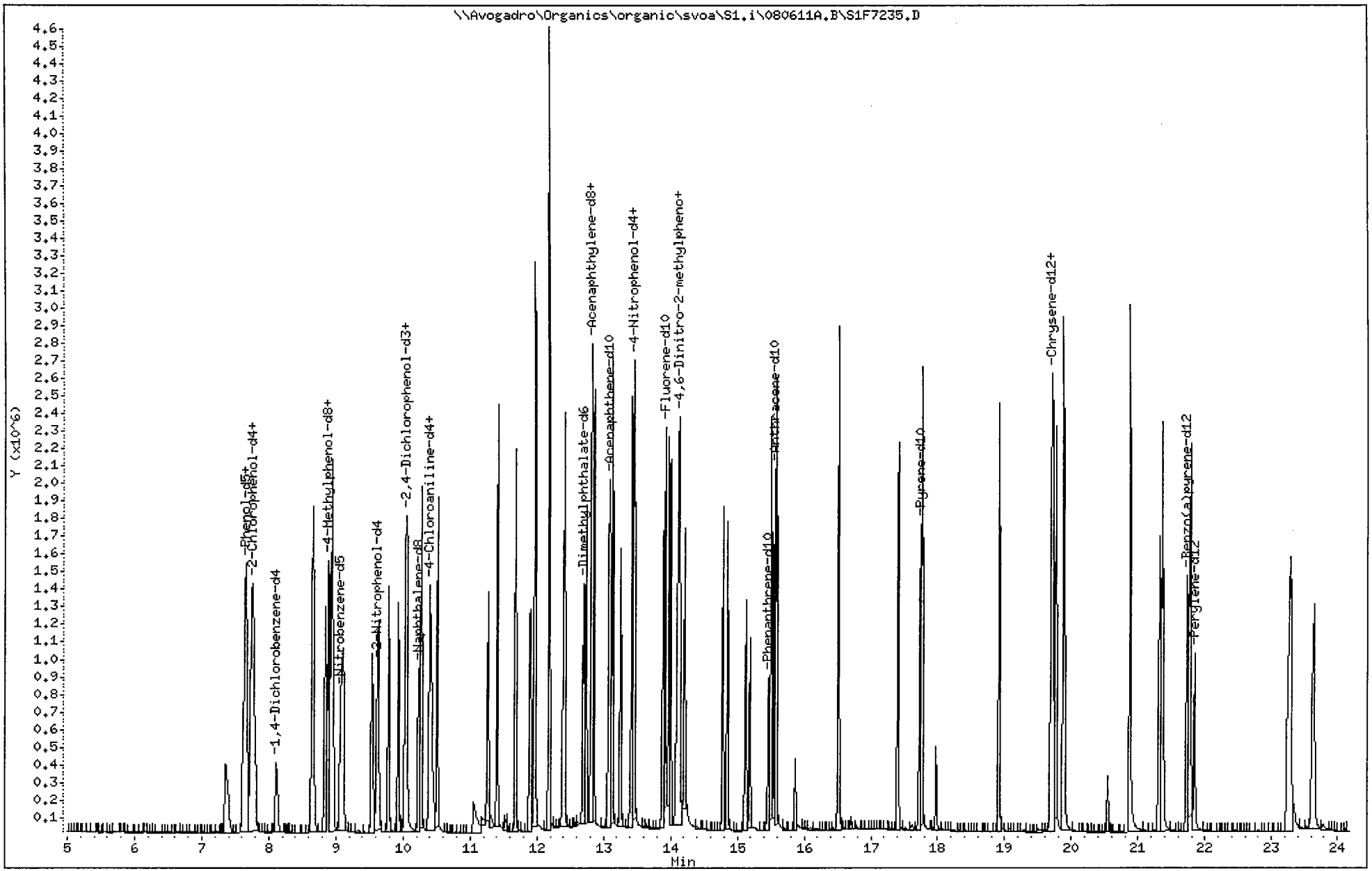
QC Flag Legend

Q - Qualifier signal failed the ratio test.

06/12/08 BM

CW 6/12/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7235.D
Date : 11-JUN-2008 18:52
Client ID: SSTD0501I
Instrument: S1.i
Sample Info: SSTD0501I,SSTD0501I
Volume Injected (uL): 1.0
Operator: DK SRC: DK
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1F7235.D
Report Date: 12-Jun-2008 09:41

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7235.D
Lab Smp Id: SSTD0501I Client Smp ID: SSTD0501I
Inj Date : 11-JUN-2008 18:52
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0501I,SSTD0501I
Misc Info : 1,4
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 12-Jun-2008 09:41 beata Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.354	7.364	(0.907)	287914	50.0000	46
$	2 Phenol-d5	99	7.635	7.645	(0.941)	1247000	50.0000	50
	3 Phenol	94	7.657	7.645	(0.944)	660018	50.0000	49
$	4 bis(2-Chloroethyl)ether-d8	67	7.657	7.645	(0.944)	394853	50.0000	49
	5 bis(2-Chloroethyl)ether	93	7.743	7.731	(0.955)	578038	50.0000	49
$	6 2-Chlorophenol-d4	132	7.743	7.742	(0.955)	673776	50.0000	50
	7 2-Chlorophenol	128	7.776	7.764	(0.959)	706012	50.0000	51
*	8 1,4-Dichlorobenzene-d4	152	8.111	8.120	(1.000)	203343	20.0000	
	9 2-Methylphenol	108	8.662	8.650	(1.068)	524045	50.0000	51
	10 2,2'-oxybis(1-Chloropropane)	45	8.651	8.650	(1.067)	956318	50.0000	50
$	11 4-Methylphenol-d8	113	8.889	8.877	(1.096)	533549	50.0000	51
	12 4-Methylphenol	108	8.932	8.920	(1.101)	491234	50.0000	48
	14 N-Nitroso-di-n-propylamine	70	8.889	8.877	(1.096)	263593	50.0000	50
	13 Acetophenone	105	8.846	8.833	(1.091)	765749	50.0000	50
	15 Hexachloroethane	117	8.954	8.952	(1.104)	267094	50.0000	50
$	16 Nitrobenzene-d5	128	9.072	9.071	(0.887)	358081	50.0000	49
	17 Nitrobenzene	77	9.105	9.103	(0.890)	513772	50.0000	47
	18 Isophorone	82	9.537	9.514	(0.932)	979189	50.0000	47
$	19 2-Nitrophenol-d4	143	9.613	9.611	(0.940)	378850	50.0000	49
	20 2-Nitrophenol	139	9.634	9.633	(0.942)	405796	50.0000	48
	21 2,4-Dimethylphenol	107	9.786	9.773	(0.957)	437087	50.0000	47

Data File: S1F7235.D
Report Date: 12-Jun-2008 09:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	9.926	9.914	(0.970)	639875	50.0000	47
$	23 2,4-Dichlorophenol-d3	165	10.034	10.022	(0.981)	539328	50.0000	50
	24 2,4-Dichlorophenol	162	10.056	10.044	(0.983)	531125	50.0000	49
*	25 Naphthalene-d8	136	10.229	10.227	(1.000)	751582	20.0000	
	26 Naphthalene	128	10.272	10.260	(1.004)	1624421	50.0000	47
$	27 4-Chloroaniline-d4	131	10.391	10.389	(1.016)	634268	50.0000	46
	28 4-Chloroaniline	127	10.402	10.400	(1.017)	687510	50.0000	48
	29 Hexachlorobutadiene	225	10.510	10.508	(1.027)	311451	50.0000	48
	30 Caprolactam	113	11.050	11.124	(1.080)	97004	50.0000	40
	31 4-Chloro-3-methylphenol	107	11.266	11.254	(1.101)	423398	50.0000	48
	32 2-Methylnaphthalene	142	11.406	11.405	(1.115)	1012763	50.0000	45
	33 Hexachlorocyclopentadiene	237	11.677	11.675	(0.893)	185516	50.0000	66
	34 1,2,4,5-Tetrachlorobenzene	216	11.687	11.675	(0.893)	514731	50.0000	50
	35 2,4,6-Trichlorophenol	196	11.904	11.891	(0.910)	331678	50.0000	50
	36 2,4,5-Trichlorophenol	196	11.968	11.956	(0.915)	1067878	100.000	120
	37 1,1'-Biphenyl	154	12.184	12.172	(0.931)	1287044	50.0000	49
	38 2-Chloronaphthalene	162	12.184	12.183	(0.931)	996857	50.0000	49
	39 2-Nitroaniline	65	12.422	12.410	(0.950)	754573	100.000	100
$	40 Dimethylphthalate-d6	166	12.692	12.691	(0.970)	1193207	50.0000	47
	41 Dimethylphthalate	163	12.736	12.723	(0.974)	1267118	50.0000	49
	42 2,6-Dinitrotoluene	165	12.822	12.799	(0.980)	345470	50.0000	48
$	43 Acenaphthylene-d8	160	12.833	12.821	(0.981)	1406701	50.0000	48
	44 Acenaphthylene	152	12.854	12.842	(0.983)	1519932	50.0000	49
	45 3-Nitroaniline	138	13.103	13.080	(1.002)	819474	100.000	100
*	46 Acenaphthene-d10	164	13.081	13.080	(1.000)	342274	20.0000	
	47 Acenaphthene	153	13.135	13.134	(1.004)	958223	50.0000	49
	48 2,4-Dinitrophenol	184	13.254	13.242	(1.013)	478330	100.000	130(A)
$	49 4-Nitrophenol-d4	143	13.449	13.415	(1.028)	241629	50.0000	51
	50 4-Nitrophenol	109	13.460	13.437	(1.029)	315020	100.000	110
	51 2,4-Dinitrotoluene	165	13.460	13.447	(1.029)	419241	50.0000	48
	52 Dibenzofuran	168	13.416	13.415	(1.026)	1378342	50.0000	49
	53 Diethylphthalate	149	13.892	13.880	(1.062)	1408568	50.0000	51
$	54 Fluorene-d10	176	13.924	13.912	(1.064)	1035150	50.0000	53
	55 4-Chlorophenyl-phenylether	204	14.000	13.998	(1.070)	546275	50.0000	49
	56 Fluorene	166	13.967	13.966	(1.068)	1098354	50.0000	49
	57 4-Nitroaniline	138	14.108	14.063	(1.078)	413866	100.000	86
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.119	14.096	(0.913)	246321	50.0000	58
	59 4,6-Dinitro-2-methylphenol	198	14.129	14.107	(0.914)	699584	100.000	130(A)
	60 N-Nitrosodiphenylamine	169	14.205	14.193	(0.919)	790593	50.0000	51
	61 4-Bromophenyl-phenylether	248	14.778	14.776	(0.956)	353879	50.0000	50
	62 Hexachlorobenzene	284	14.853	14.841	(0.961)	373441	50.0000	49
	63 Atrazine	200	15.124	15.111	(0.978)	260930	50.0000	48
	64 Pentachlorophenol	266	15.188	15.187	(0.983)	201241	50.0000	63
*	65 Phenanthrene-d10	188	15.459	15.457	(1.000)	511116	20.0000	
	66 Phenanthrene	178	15.502	15.490	(1.003)	1459351	50.0000	49
$	67 Anthracene-d10	188	15.556	15.544	(1.006)	1377909	50.0000	50
	68 Anthracene	178	15.588	15.576	(1.008)	1422785	50.0000	49
	70 Di-n-butylphthalate	149	16.518	16.516	(1.069)	2281191	50.0000	47
	71 Fluoranthene	202	17.414	17.402	(1.127)	1510128	50.0000	50
$	72 Pyrene-d10	212	17.739	17.726	(0.900)	1138502	50.0000	47
	73 Pyrene	202	17.771	17.759	(0.901)	1499631	50.0000	47
	74 Butylbenzylphthalate	149	18.916	18.915	(0.959)	1025359	50.0000	47
	75 3,3'-Dichlorobenzidine	252	19.705	19.704	(0.999)	134815	50.0000	52
	79 bis(2-Ethylhexyl)phthalate	149	19.878	19.877	(1.008)	1489250	50.0000	49

Data File: S1F7235.D
Report Date: 12-Jun-2008 09:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	76 Benzo(a)anthracene	228	19.705	19.693	(0.999)	1562855	50.0000	51
*	77 Chrysene-d12	240	19.716	19.715	(1.000)	560073	20.0000	
	78 Chrysene	228	19.770	19.747	(1.003)	1500695	50.0000	50
	80 Di-n-octylphthalate	149	20.872	20.871	(0.955)	2573108	50.0000	51
	81 Benzo(b)fluoranthene	252	21.326	21.314	(0.976)	1610864	50.0000	54
	82 Benzo(k)fluoranthene	252	21.369	21.346	(0.978)	1584902	50.0000	47
$	83 Benzo(a)pyrene-d12	264	21.737	21.725	(0.995)	1085837	50.0000	51
	84 Benzo(a)pyrene	252	21.780	21.757	(0.997)	1281593	50.0000	48
*	85 Perylene-d12	264	21.845	21.833	(1.000)	484592	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.260	23.237	(1.065)	1304012	50.0000	51
	87 Dibenzo(a,h)anthracene	278	23.282	23.270	(1.066)	1104553	50.0000	52
	88 Benzo(g,h,i)perylene	276	23.638	23.615	(1.082)	1160604	50.0000	53

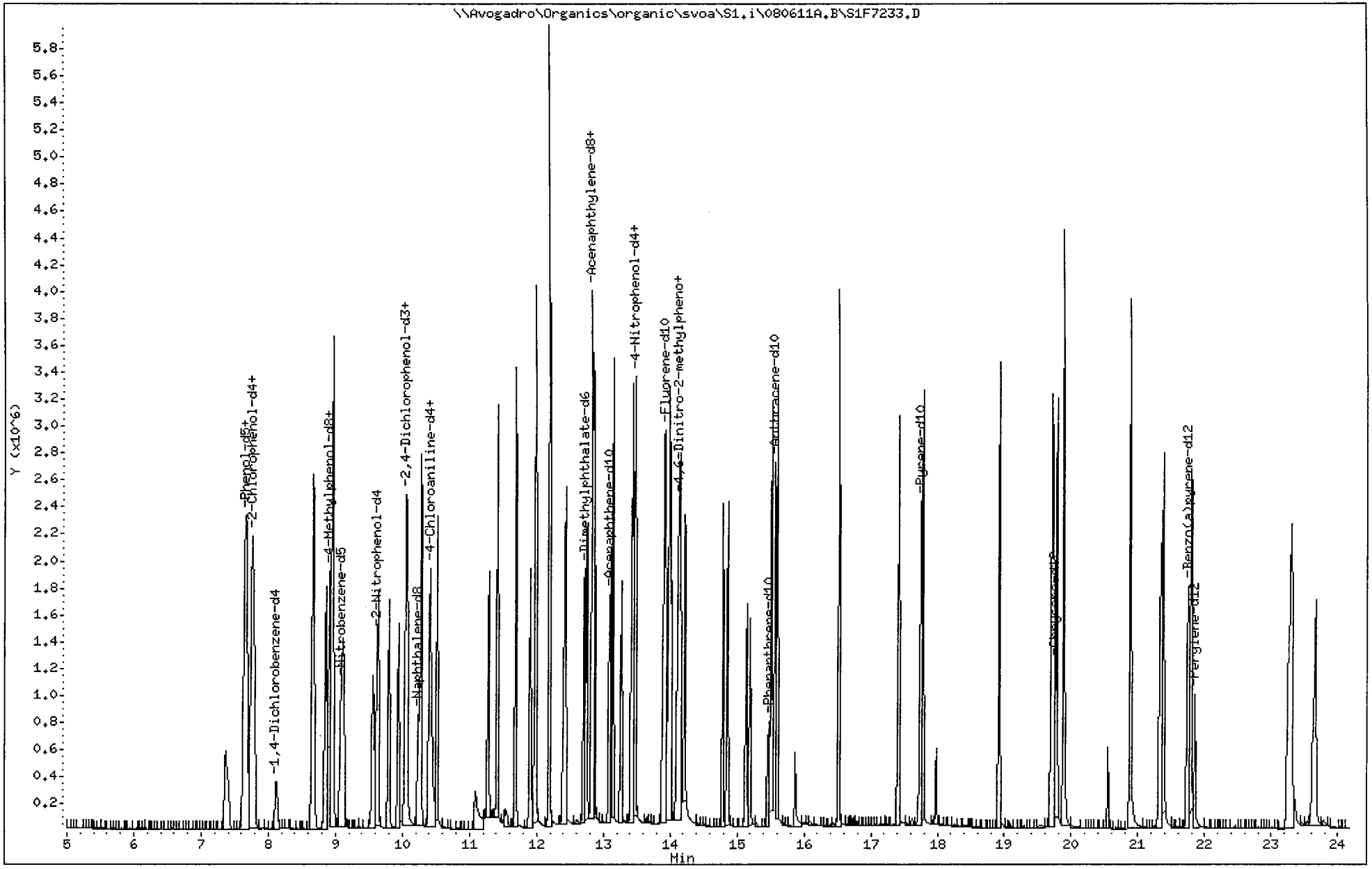
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

06/12/08 BM

CW 6/12/08

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7233.D
Date : 11-JUN-2008 17:38
Client ID: SSTD0801I
Instrument: S1.i
Sample Info: SSTD0801I,SSTD0801I
Volume Injected (uL): 1.0
Operator: DK SRC: DK
Column phase: DB-5MS
Column diameter: 0.25



EGTS

Data File: S1F7233.D
Report Date: 11-Jun-2008 18:12

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7233.D
Lab Smp Id: SSTD0801I Client Smp ID: SSTD0801I
Inj Date : 11-JUN-2008 17:38
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0801I,SSTD0801I
Misc Info : 1,5
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1_OLC3.m
Meth Date : 11-Jun-2008 18:12 bmaczewska Quant Type: ISTD
Cal Date : 11-JUN-2008 16:23 Cal File: S1F7231.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	1 Benzaldehyde	77	7.363	7.364	(0.907)	455521	80.0000	75
$	2 Phenol-d5	99	7.655	7.645	(0.943)	1892657	80.0000	80
	3 Phenol	94	7.677	7.645	(0.945)	1036568	80.0000	81(A)
$	4 bis(2-Chloroethyl)ether-d8	67	7.655	7.645	(0.943)	601864	80.0000	78
	5 bis(2-Chloroethyl)ether	93	7.752	7.731	(0.955)	865989	80.0000	77
$	6 2-Chlorophenol-d4	132	7.752	7.742	(0.955)	1017815	80.0000	80
	7 2-Chlorophenol	128	7.785	7.764	(0.959)	1069487	80.0000	82(A)
*	8 1,4-Dichlorobenzene-d4	152	8.120	8.120	(1.000)	194100	20.0000	
	9 2-Methylphenol	108	8.671	8.650	(1.068)	783538	80.0000	81(A)
	10 2,2'-oxybis(1-Chloropropane)	45	8.660	8.650	(1.067)	1398290	80.0000	77
$	11 4-Methylphenol-d8	113	8.908	8.877	(1.097)	792652	80.0000	80
	12 4-Methylphenol	108	8.952	8.920	(1.102)	718689	80.0000	75
	14 N-Nitroso-di-n-propylamine	70	8.919	8.877	(1.098)	398931	80.0000	80(A)
	13 Acetophenone	105	8.854	8.833	(1.090)	1130605	80.0000	79
	15 Hexachloroethane	117	8.952	8.952	(1.102)	368634	80.0000	73
$	16 Nitrobenzene-d5	128	9.081	9.071	(0.887)	524822	80.0000	80
	17 Nitrobenzene	77	9.114	9.103	(0.890)	738266	80.0000	75
	18 Isophorone	82	9.557	9.514	(0.934)	1536855	80.0000	80(A)
$	19 2-Nitrophenol-d4	143	9.622	9.611	(0.940)	557183	80.0000	80
	20 2-Nitrophenol	139	9.643	9.633	(0.942)	598617	80.0000	79
	21 2,4-Dimethylphenol	107	9.805	9.773	(0.958)	700772	80.0000	80

Data File: S1F7233.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	9.935	9.914	(0.970)	939496	80.0000	76
$	23 2,4-Dichlorophenol-d3	165	10.043	10.022	(0.981)	774987	80.0000	81(A)
	24 2,4-Dichlorophenol	162	10.065	10.044	(0.983)	779677	80.0000	80
*	25 Naphthalene-d8	136	10.237	10.227	(1.000)	685791	20.0000	
	26 Naphthalene	128	10.270	10.260	(1.003)	2364567	80.0000	75
$	27 4-Chloroaniline-d4	131	10.400	10.389	(1.016)	990482	80.0000	80
	28 4-Chloroaniline	127	10.421	10.400	(1.018)	1035283	80.0000	79
	29 Hexachlorobutadiene	225	10.518	10.508	(1.027)	455653	80.0000	80
	30 Caprolactam	113	11.091	11.124	(1.083)	193232	80.0000	80(A)
	31 4-Chloro-3-methylphenol	107	11.286	11.254	(1.102)	682086	80.0000	85(A)
	32 2-Methylnaphthalene	142	11.415	11.405	(1.115)	1583738	80.0000	78
	33 Hexachlorocyclopentadiene	237	11.685	11.675	(0.893)	298578	80.0000	110(A)
	34 1,2,4,5-Tetrachlorobenzene	216	11.696	11.675	(0.894)	741173	80.0000	76
	35 2,4,6-Trichlorophenol	196	11.902	11.891	(0.910)	533286	80.0000	83(A)
	36 2,4,5-Trichlorophenol	196	11.988	11.956	(0.917)	1312087	120.000	160(A)
	37 1,1'-Biphenyl	154	12.193	12.172	(0.932)	1837983	80.0000	73
	38 2-Chloronaphthalene	162	12.193	12.183	(0.932)	1415438	80.0000	73
	39 2-Nitroaniline	65	12.431	12.410	(0.950)	958562	120.000	130(A)
$	40 Dimethylphthalate-d6	166	12.712	12.691	(0.972)	1809188	80.0000	73
	41 Dimethylphthalate	163	12.755	12.723	(0.975)	1931230	80.0000	77
	42 2,6-Dinitrotoluene	165	12.831	12.799	(0.981)	479165	80.0000	71
$	43 Acenaphthylene-d8	160	12.831	12.821	(0.981)	2038474	80.0000	72
	44 Acenaphthylene	152	12.863	12.842	(0.983)	2168612	80.0000	73
	45 3-Nitroaniline	138	13.112	13.080	(1.002)	1067516	120.000	130(A)
*	46 Acenaphthene-d10	164	13.079	13.080	(1.000)	326114	20.0000	
	47 Acenaphthene	153	13.144	13.134	(1.005)	1366809	80.0000	74
	48 2,4-Dinitrophenol	184	13.274	13.242	(1.015)	688021	120.000	190(A)
$	49 4-Nitrophenol-d4	143	13.468	13.415	(1.030)	375700	80.0000	83(A)
	50 4-Nitrophenol	109	13.479	13.437	(1.031)	428659	120.000	150(A)
	51 2,4-Dinitrotoluene	165	13.479	13.447	(1.031)	641521	80.0000	76
	52 Dibenzofuran	168	13.425	13.415	(1.026)	2065851	80.0000	76
	53 Diethylphthalate	149	13.911	13.880	(1.064)	2055122	80.0000	77
$	54 Fluorene-d10	176	13.933	13.912	(1.065)	1502779	80.0000	81(A)
	55 4-Chlorophenyl-phenylether	204	14.009	13.998	(1.071)	760677	80.0000	72
	56 Fluorene	166	13.987	13.966	(1.069)	1603945	80.0000	75
	57 4-Nitroaniline	138	14.128	14.063	(1.080)	563032	120.000	110
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.128	14.096	(0.913)	377147	80.0000	95(A)
	59 4,6-Dinitro-2-methylphenol	198	14.149	14.107	(0.915)	938352	120.000	180(A)
	60 N-Nitrosodiphenylamine	169	14.225	14.193	(0.920)	1101861	80.0000	73
	61 4-Bromophenyl-phenylether	248	14.787	14.776	(0.956)	537927	80.0000	76
	62 Hexachlorobenzene	284	14.862	14.841	(0.961)	580576	80.0000	79
	63 Atrazine	200	15.143	15.111	(0.979)	358371	80.0000	68
	64 Pentachlorophenol	266	15.197	15.187	(0.983)	322954	80.0000	110(A)
*	65 Phenanthrene-d10	188	15.467	15.457	(1.000)	505055	20.0000	
	66 Phenanthrene	178	15.511	15.490	(1.003)	2227262	80.0000	75
$	67 Anthracene-d10	188	15.565	15.544	(1.006)	2006880	80.0000	75
	68 Anthracene	178	15.597	15.576	(1.008)	2228057	80.0000	77
	70 Di-n-butylphthalate	149	16.526	16.516	(1.068)	3390437	80.0000	71
	71 Fluoranthene	202	17.423	17.402	(1.126)	2227261	80.0000	75
$	72 Pyrene-d10	212	17.747	17.726	(0.899)	1774304	80.0000	81(A)
	73 Pyrene	202	17.780	17.759	(0.901)	2244792	80.0000	78
	74 Butylbenzylphthalate	149	18.925	18.915	(0.959)	1541185	80.0000	79
	75 3,3'-Dichlorobenzidine	252	19.714	19.704	(0.999)	232193	80.0000	99(A)
	79 bis(2-Ethylhexyl)phthalate	149	19.887	19.877	(1.008)	2160329	80.0000	80

Data File: S1F7233.D
Report Date: 11-Jun-2008 18:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	76 Benzo(a)anthracene	228	19.714	19.693	(0.999)	2175385	80.0000	79
*	77 Chrysene-d12	240	19.736	19.715	(1.000)	505936	20.0000	
	78 Chrysene	228	19.779	19.747	(1.002)	1951176	80.0000	72
	80 Di-n-octylphthalate	149	20.881	20.871	(0.955)	3633167	80.0000	76
	81 Benzo(b)fluoranthene	252	21.346	21.314	(0.977)	2291162	80.0000	81(A)
	82 Benzo(k)fluoranthene	252	21.378	21.346	(0.978)	2235317	80.0000	70
$	83 Benzo(a)pyrene-d12	264	21.746	21.725	(0.995)	1572995	80.0000	79
	84 Benzo(a)pyrene	252	21.800	21.757	(0.998)	1983820	80.0000	78
*	85 Perylene-d12	264	21.854	21.833	(1.000)	460734	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.269	23.237	(1.065)	2062912	80.0000	86(A)
	87 Dibenzo(a,h)anthracene	278	23.302	23.270	(1.066)	1653566	80.0000	84(A)
	88 Benzo(g,h,i)perylene	276	23.658	23.615	(1.083)	1698998	80.0000	83(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

06/12/08 BM

CW 6/12/08

7E - FORM VII SV-1

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: S1 Calibration Date: 06/12/2008 Time: 10:14

Lab File ID: S1F7241.D Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Init. Calib. Time(s): 16:23 18:52

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX %D
Benzaldehyde	0.620	0.616		-0.6	
Phenol	1.316	1.308	0.800	-0.6	25.0
Bis(2-chloroethyl)ether	1.160	1.136	0.700	-2.0	25.0
2-Chlorophenol	1.365	1.315	0.800	-3.6	25.0
2-Methylphenol	1.004	0.980	0.700	-2.4	25.0
2,2´-oxybis(1-Chloropropane)	1.873	1.798		-4.0	
Acetophenone	1.493	1.418		-5.0	
4-Methylphenol	1.003	1.038	0.600	3.5	25.0
N-Nitroso-di-n-propylamine	0.523	0.530	0.500	1.4	25.0
Hexachloroethane	0.527	0.520	0.300	-1.2	25.0
Nitrobenzene	0.291	0.277	0.200	-4.5	25.0
Isophorone	0.551	0.556	0.400	1.0	25.0
2-Nitrophenol	0.225	0.219	0.100	-2.7	25.0
2,4-Dimethylphenol	0.249	0.238	0.200	-4.7	25.0
Bis(2-chloroethoxy)methane	0.362	0.346	0.300	-4.6	25.0
2,4-Dichlorophenol	0.286	0.274	0.200	-4.3	25.0
Naphthalene	0.924	0.906	0.700	-1.9	25.0
4-Chloroaniline	0.383	0.391		2.1	
Hexachlorobutadiene	0.171	0.164		-4.2	
Caprolactam	0.064	0.058		-10.0	
4-Chloro-3-methylphenol	0.235	0.231	0.200	-1.4	25.0
2-Methylnaphthalene	0.593	0.563	0.400	-5.0	25.0
Hexachlorocyclopentadiene	0.164	0.165		0.4	
2,4,6-Trichlorophenol	0.390	0.393	0.200	0.6	25.0
2,4,5-Trichlorophenol	0.526	0.370	0.200	-29.7	25.0
1,1´-Biphenyl	1.539	1.569		1.9	
2-Chloronaphthalene	1.194	1.231	0.800	3.1	25.0
2-Nitroaniline	0.421	0.422		0.3	
Dimethylphthalate	1.509	1.584		4.9	
2,6-Dinitrotoluene	0.417	0.420	0.200	0.6	25.0
Acenaphthylene	1.807	1.830	0.900	1.3	25.0
3-Nitroaniline	0.477	0.416		-12.8	
Acenaphthene	1.141	1.196	0.900	4.8	25.0
2,4-Dinitrophenol	0.221	0.229		3.5	
4-Nitrophenol	0.171	0.169		-1.2	
Dibenzofuran	1.637	1.712	0.800	4.6	25.0

7F - FORM VII SV-2

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: S1 Calibration Date: 06/12/2008 Time: 10:14

Lab File ID: S1F7241.D Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Init. Calib. Time(s): 16:23 18:52

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.511	0.502	0.200	-1.6	25.0
Diethylphthalate	1.624	1.603		-1.3	
Fluorene	1.312	1.273	0.900	-2.9	25.0
4-Chlorophenyl-phenylether	0.647	0.612	0.400	-5.4	25.0
4-Nitroaniline	0.279	0.206		-26.4	
4,6-Dinitro-2-methylphenol	0.219	0.177		-19.0	
N-Nitrosodiphenylamine [1]	0.612	0.601		-1.8	
1,2,4,5-Tetrachlorobenzene	0.597	0.594		-0.5	
4-Bromophenyl-phenylether	0.279	0.265	0.100	-4.8	25.0
Hexachlorobenzene	0.297	0.284	0.100	-4.4	25.0
Atrazine	0.212	0.181		-14.8	
Pentachlorophenol	0.126	0.141	0.050	12.0	25.0
Phenanthrene	1.169	1.163	0.700	-0.5	25.0
Anthracene	1.136	1.157	0.700	1.9	25.0
Di-n-butylphthalate	1.881	1.915		1.8	
Fluoranthene	1.178	1.155	0.600	-1.9	25.0
Pyrene	1.140	1.080	0.600	-5.3	25.0
Butylbenzylphthalate	0.772	0.764		-1.0	
3,3´-Dichlorobenzidine	0.092	0.089		-3.1	
Benzo(a)anthracene	1.101	1.111	0.800	0.9	25.0
Chrysene	1.076	1.020	0.700	-5.3	25.0
Bis(2-ethylhexyl)phthalate	1.078	1.050		-2.7	
Di-n-octylphthalate	2.092	2.054		-1.8	
Benzo(b)fluoranthene	1.239	1.180	0.700	-4.8	25.0
Benzo(k)fluoranthene	1.383	1.348	0.700	-2.6	25.0
Benzo(a)pyrene	1.095	1.129	0.700	3.1	25.0
Indeno(1,2,3-cd)pyrene	1.048	0.996	0.500	-5.1	25.0
Dibenzo(a,h)anthracene	0.869	0.823	0.400	-5.3	25.0
Benzo(g,h,i)perylene	0.908	0.869	0.500	-4.3	25.0

(1) Cannot be separated from Diphenylamine

7G - FORM VII SV-3

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Instrument ID: S1 Calibration Date: 06/12/2008 Time: 10:14

Lab File ID: S1F7241.D Init. Calib. Date(s): 06/11/2008 06/11/2008

EPA Sample No.(SSTD020##): SSTD0201J Init. Calib. Time(s): 16:23 18:52

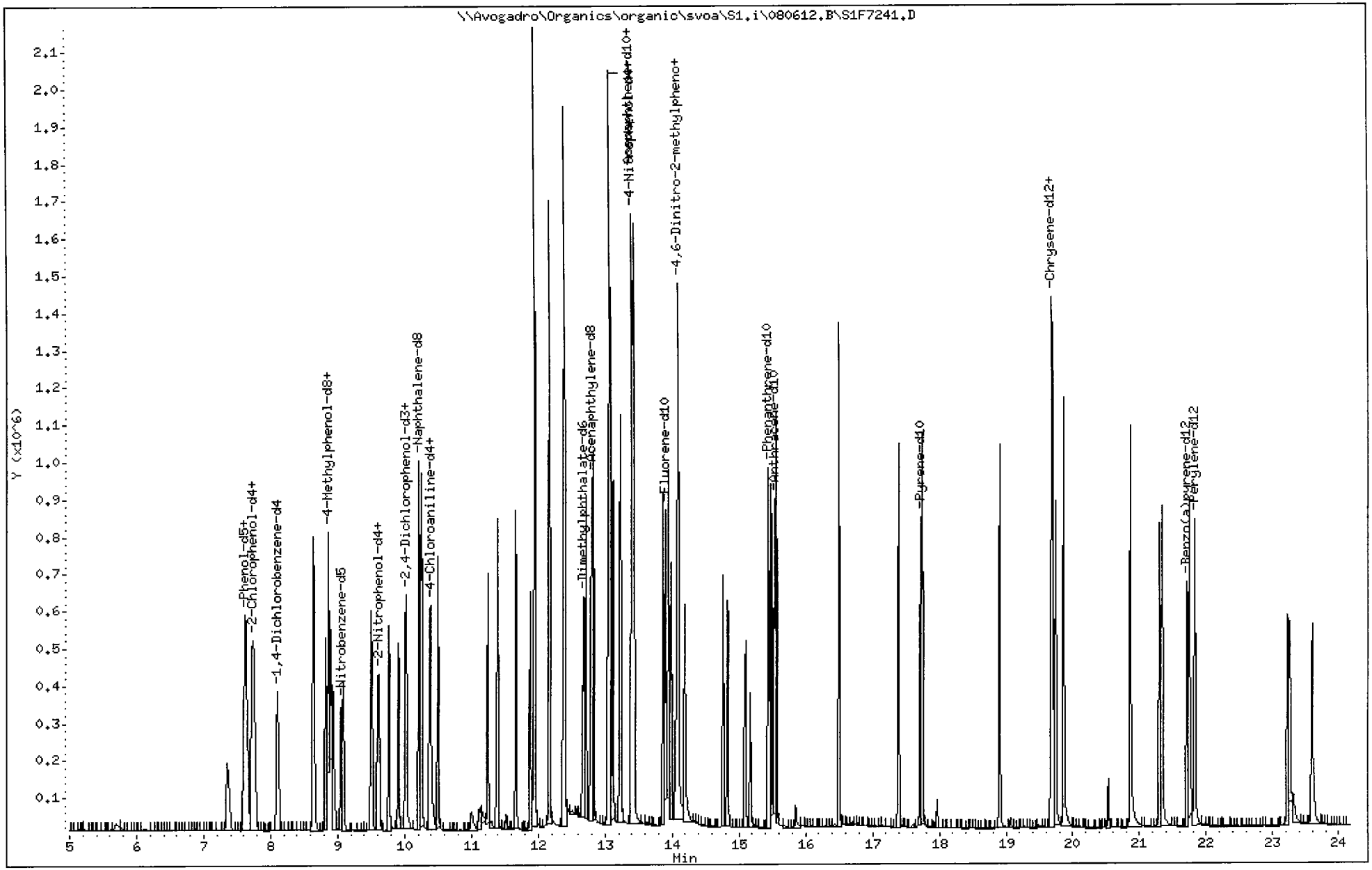
GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX %D
Phenol-d5	2.456	2.449		-0.3	
bis(2-Chloroethyl)ether-d8	0.797	0.783		-1.8	
2-Chlorophenol-d4	1.321	1.267		-4.1	
4-Methylphenol-d8	1.035	1.041		0.6	
Nitrobenzene-d5	0.195	0.181		-7.5	
2-Nitrophenol-d4	0.205	0.203		-0.9	
2,4-Dichlorophenol-d3	0.284	0.270		-5.2	
4-Chloroaniline-d4	0.363	0.360		-0.8	
Dimethylphthalate-d6	1.477	1.455		-1.5	
Acenaphthylene-d8	1.728	1.786		3.3	
4-Nitrophenol-d4	0.276	0.283		2.2	
Fluorene-d10	1.151	1.099		-4.5	
4,6-Dinitro-2-methylphenol-d2	0.166	0.183		10.2	
Anthracene-d10	1.081	1.081		0.0	
Pyrene-d10	0.860	0.847		-1.6	
Benzo(a)pyrene-d12	0.875	0.854		-2.3	

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7241.D
Date : 12-JUN-2008 10:14
Client ID: SSTD0201J
Sample Info: SSTD0201J,SSTD0201J
Volume Injected (uL): 1.0
Column phase: DB-5MS

Instrument: S1.i

Operator: DK SRC: DK
Column diameter: 0.25



9576

Data File: S1F7241.D
Report Date: 12-Jun-2008 10:40

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7241.D
Lab Smp Id: SSTD0201J Client Smp ID: SSTD0201J
Inj Date : 12-JUN-2008 10:14
Operator : DK SRC: DK Inst ID: S1.i
Smp Info : SSTD0201J,SSTD0201J
Misc Info : 2,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Benzaldehyde	77	7.352	7.352	(0.908)	117294	20.0000	20
$	2 Phenol-d5	99	7.622	7.622	(0.941)	466038	20.0000	20
	3 Phenol	94	7.622	7.622	(0.941)	248908	20.0000	20
$	4 bis(2-Chloroethyl)ether-d8	67	7.633	7.633	(0.943)	148912	20.0000	20
	5 bis(2-Chloroethyl)ether	93	7.719	7.719	(0.953)	216185	20.0000	20
$	6 2-Chlorophenol-d4	132	7.730	7.730	(0.955)	241070	20.0000	19
	7 2-Chlorophenol	128	7.752	7.752	(0.957)	250315	20.0000	19
*	8 1,4-Dichlorobenzene-d4	152	8.097	8.097	(1.000)	190289	20.0000	
	9 2-Methylphenol	108	8.638	8.638	(1.067)	186481	20.0000	20
	10 2,2'-oxybis(1-Chloropropane)	45	8.638	8.638	(1.067)	342169	20.0000	19
$	11 4-Methylphenol-d8	113	8.865	8.865	(1.095)	198091	20.0000	20
	12 4-Methylphenol	108	8.908	8.908	(1.100)	197429	20.0000	21
	14 N-Nitroso-di-n-propylamine	70	8.865	8.865	(1.095)	100825	20.0000	20
	13 Acetophenone	105	8.821	8.821	(1.089)	269830	20.0000	19
	15 Hexachloroethane	117	8.940	8.940	(1.104)	99014	20.0000	20
$	16 Nitrobenzene-d5	128	9.059	9.059	(0.887)	124211	20.0000	19
	17 Nitrobenzene	77	9.081	9.081	(0.889)	190691	20.0000	19
	18 Isophorone	82	9.502	9.502	(0.930)	382271	20.0000	20
$	19 2-Nitrophenol-d4	143	9.599	9.599	(0.940)	139717	20.0000	20
	20 2-Nitrophenol	139	9.621	9.621	(0.942)	150450	20.0000	19
	21 2,4-Dimethylphenol	107	9.761	9.761	(0.956)	163252	20.0000	19

Data File: S1F7241.D
Report Date: 12-Jun-2008 10:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	9.902	9.902	(0.969)	237472	20.0000	19
$	23 2,4-Dichlorophenol-d3	165	10.010	10.010	(0.980)	185235	20.0000	19
	24 2,4-Dichlorophenol	162	10.032	10.032	(0.982)	188131	20.0000	19
*	25 Naphthalene-d8	136	10.215	10.215	(1.000)	687175	20.0000	
	26 Naphthalene	128	10.248	10.248	(1.003)	622702	20.0000	20
$	27 4-Chloroaniline-d4	131	10.377	10.377	(1.016)	247350	20.0000	20
	28 4-Chloroaniline	127	10.388	10.388	(1.017)	268354	20.0000	20
	29 Hexachlorobutadiene	225	10.496	10.496	(1.028)	112687	20.0000	19
	30 Caprolactam	113	11.123	11.123	(1.089)	39698	20.0000	18
	31 4-Chloro-3-methylphenol	107	11.242	11.242	(1.100)	158939	20.0000	20
	32 2-Methylnaphthalene	142	11.393	11.393	(1.115)	387169	20.0000	19
	33 Hexachlorocyclopentadiene	237	11.663	11.663	(0.893)	51445	20.0000	20
	34 1,2,4,5-Tetrachlorobenzene	216	11.663	11.663	(0.893)	185318	20.0000	20
	35 2,4,6-Trichlorophenol	196	11.879	11.879	(0.909)	122452	20.0000	20
	36 2,4,5-Trichlorophenol	196	11.944	11.944	(0.914)	461886	80.0000	56
	37 1,1'-Biphenyl	154	12.160	12.160	(0.931)	489220	20.0000	20
	38 2-Chloronaphthalene	162	12.171	12.171	(0.931)	383981	20.0000	21
	39 2-Nitroaniline	65	12.398	12.398	(0.949)	526302	80.0000	80
$	40 Dimethylphthalate-d6	166	12.679	12.679	(0.970)	453923	20.0000	20
	41 Dimethylphthalate	163	12.711	12.711	(0.973)	493912	20.0000	21
	42 2,6-Dinitrotoluene	165	12.787	12.787	(0.979)	130917	20.0000	20
$	43 Acenaphthylene-d8	160	12.809	12.809	(0.980)	556911	20.0000	21
	44 Acenaphthylene	152	12.830	12.830	(0.982)	570822	20.0000	20
	45 3-Nitroaniline	138	13.068	13.068	(1.000)	518543	80.0000	70
*	46 Acenaphthene-d10	164	13.068	13.068	(1.000)	311898	20.0000	
	47 Acenaphthene	153	13.122	13.122	(1.004)	372966	20.0000	21
	48 2,4-Dinitrophenol	184	13.230	13.230	(1.012)	285674	80.0000	83
$	49 4-Nitrophenol-d4	143	13.414	13.414	(1.026)	88158	20.0000	20
	50 4-Nitrophenol	109	13.425	13.425	(1.027)	210782	80.0000	79
	51 2,4-Dinitrotoluene	165	13.435	13.435	(1.028)	156710	20.0000	20(Q)
	52 Dibenzofuran	168	13.403	13.403	(1.026)	533977	20.0000	21
	53 Diethylphthalate	149	13.868	13.868	(1.061)	499940	20.0000	20
$	54 Fluorene-d10	176	13.900	13.900	(1.064)	342858	20.0000	19
	55 4-Chlorophenyl-phenylether	204	13.987	13.987	(1.070)	190853	20.0000	19
	56 Fluorene	166	13.954	13.954	(1.068)	397140	20.0000	19
	57 4-Nitroaniline	138	14.062	14.062	(1.076)	256609	80.0000	59
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.084	14.084	(0.912)	89806	20.0000	22
	59 4,6-Dinitro-2-methylphenol	198	14.095	14.095	(0.913)	347501	80.0000	65
	60 N-Nitrosodiphenylamine	169	14.192	14.192	(0.919)	294718	20.0000	20
	61 4-Bromophenyl-phenylether	248	14.765	14.765	(0.956)	130210	20.0000	19
	62 Hexachlorobenzene	284	14.840	14.840	(0.961)	139076	20.0000	19
	63 Atrazine	200	15.099	15.099	(0.978)	88573	20.0000	17
	64 Pentachlorophenol	266	15.175	15.175	(0.983)	69090	20.0000	22
*	65 Phenanthrene-d10	188	15.445	15.445	(1.000)	490490	20.0000	
	66 Phenanthrene	178	15.478	15.478	(1.002)	570248	20.0000	20
$	67 Anthracene-d10	188	15.532	15.532	(1.006)	530002	20.0000	20
	68 Anthracene	178	15.564	15.564	(1.008)	567578	20.0000	20
	70 Di-n-butylphthalate	149	16.504	16.504	(1.069)	939215	20.0000	20
	71 Fluoranthene	202	17.390	17.390	(1.126)	566444	20.0000	20
$	72 Pyrene-d10	212	17.714	17.714	(0.899)	444708	20.0000	20
	73 Pyrene	202	17.747	17.747	(0.901)	567458	20.0000	19
	74 Butylbenzylphthalate	149	18.903	18.903	(0.959)	401236	20.0000	20
	75 3,3'-Dichlorobenzidine	252	19.692	19.692	(0.999)	46792	20.0000	19
	79 bis(2-Ethylhexyl)phthalate	149	19.865	19.865	(1.008)	551221	20.0000	19

Data File: S1F7241.D
Report Date: 12-Jun-2008 10:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	76 Benzo(a)anthracene	228	19.681	19.681	(0.999)	583522	20.0000	20
*	77 Chrysene-d12	240	19.703	19.703	(1.000)	525221	20.0000	
	78 Chrysene	228	19.746	19.746	(1.002)	535469	20.0000	19
	80 Di-n-octylphthalate	149	20.859	20.859	(0.955)	940723	20.0000	20
	81 Benzo(b)fluoranthene	252	21.302	21.302	(0.976)	540670	20.0000	19
	82 Benzo(k)fluoranthene	252	21.345	21.345	(0.978)	617498	20.0000	19
$	83 Benzo(a)pyrene-d12	264	21.713	21.713	(0.995)	391399	20.0000	20
	84 Benzo(a)pyrene	252	21.745	21.745	(0.996)	517104	20.0000	21
*	85 Perylene-d12	264	21.831	21.831	(1.000)	458081	20.0000	
	86 Indeno(1,2,3-cd)pyrene	276	23.225	23.225	(1.064)	456030	20.0000	19
	87 Dibenzo(a,h)anthracene	278	23.258	23.258	(1.065)	376953	20.0000	19
	88 Benzo(g,h,i)perylene	276	23.604	23.604	(1.081)	398257	20.0000	19

QC Flag Legend

Q - Qualifier signal failed the ratio test.

06/13/08 DM

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7230.D

Date : 11-JUN-2008 15:52

Client ID: DFTPP1I

Instrument: S1.i

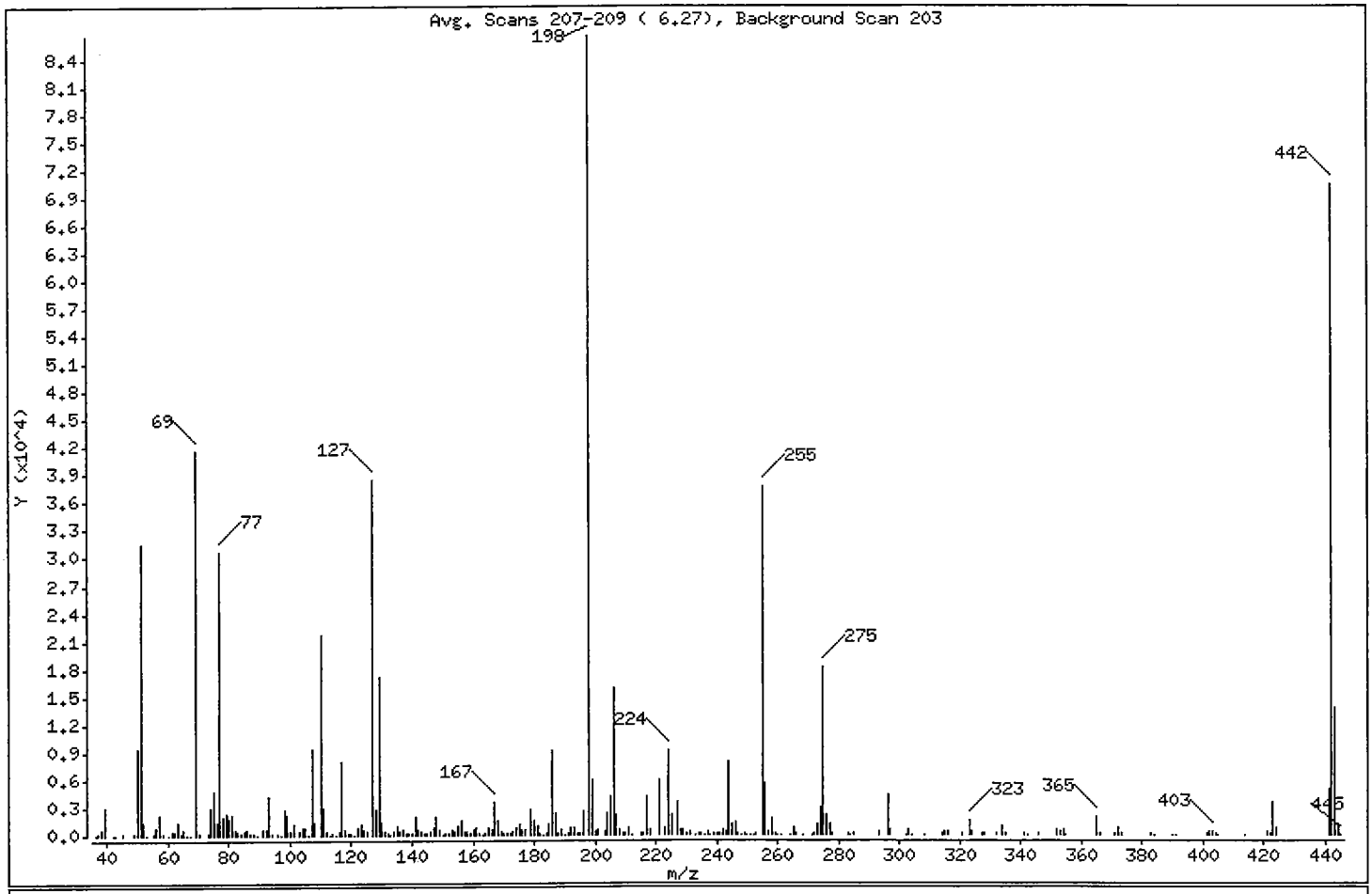
Sample Info: DFTPP1I,DFTPP1I

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	36.48
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	48.10
70	Less than 2.00% of mass 69	0.26 (0.53)
127	25.00 - 75.00% of mass 198	44.52
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 30.00% of mass 198	20.89
365	Greater than 0.75% of mass 198	2.25
441	Present, but less than mass 443	5.71
442	40.00 - 110.00% of mass 198	81.24
443	15.00 - 24.00% of mass 442	15.82 (19.47)

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7230.D

Date : 11-JUN-2008 15:52

Client ID: DFTPP1I

Instrument: S1.i

Sample Info: DFTPP1I,DFTPP1I

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F7230.D
Spectrum: Avg. Scans 207-209 (6.27), Background Scan 203
Location of Maximum: 198.00
Number of points: 263

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	38	117.00	7873	185.00	1273	261.00	96
37.00	126	118.00	614	186.00	9176	264.00	6
38.00	558	119.00	236	187.00	2429	265.00	789
39.00	3038	120.00	134	188.00	149	266.00	144
42.00	42	121.00	56	189.00	633	268.00	70
43.00	66	122.00	785	190.00	94	271.00	68
45.00	108	123.00	1220	191.00	240	272.00	106
49.00	153	124.00	527	192.00	800	273.00	1176
50.00	9376	125.00	483	193.00	834	274.00	3081
51.00	31552	127.00	38504	194.00	164	275.00	18072
52.00	1325	128.00	2735	195.00	107	276.00	2269
53.00	41	129.00	17120	196.00	2650	277.00	1135
55.00	173	130.00	1303	198.00	86496	278.00	244
56.00	780	131.00	362	199.00	5976	283.00	137
57.00	2269	132.00	152	200.00	342	284.00	49
58.00	113	133.00	77	201.00	517	285.00	236
60.00	38	134.00	365	203.00	407	293.00	313
61.00	423	135.00	959	204.00	2321	296.00	4341
62.00	450	136.00	473	205.00	4143	297.00	566
63.00	1308	137.00	595	206.00	15881	302.00	65
64.00	200	138.00	100	207.00	2192	303.00	506
65.00	621	139.00	109	208.00	574	304.00	74
66.00	94	140.00	178	209.00	137	308.00	52
67.00	46	141.00	2023	210.00	142	314.00	224
69.00	41608	142.00	675	211.00	786	315.00	407
70.00	222	143.00	383	212.00	39	316.00	320
73.00	171	144.00	111	215.00	153	321.00	213
74.00	2934	145.00	132	216.00	224	323.00	1603
75.00	4835	146.00	314	217.00	4253	324.00	383
76.00	1474	147.00	792	218.00	607	327.00	274
77.00	30744	148.00	1964	221.00	5930	328.00	130
78.00	2006	149.00	501	223.00	858	332.00	138
79.00	2430	150.00	3	224.00	9242	334.00	988
80.00	1781	151.00	244	225.00	2180	335.00	238
81.00	2271	152.00	232	227.00	3672	341.00	189

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7230.D

Date : 11-JUN-2008 15:52

Client ID: DFTPP1I

Instrument: S1.i

Sample Info: DFTPP1I,DFTPP1I

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1F7230.D
Spectrum: Avg. Scans 207-209 (6.27), Background Scan 203
Location of Maximum: 198.00
Number of points: 263

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	566	153.00	508	228.00	536	342.00	48
83.00	397	154.00	467	229.00	686	346.00	277
84.00	164	155.00	1021	230.00	100	352.00	526
85.00	382	156.00	1561	231.00	385	353.00	362
86.00	543	157.00	374	233.00	64	354.00	545
87.00	286	158.00	396	234.00	210	355.00	42
88.00	115	159.00	199	235.00	283	365.00	1946
89.00	33	160.00	539	236.00	93	366.00	272
91.00	624	161.00	869	237.00	313	371.00	110
92.00	652	162.00	267	238.00	33	372.00	890
93.00	4185	163.00	33	239.00	130	373.00	192
94.00	204	164.00	148	240.00	173	383.00	200
96.00	168	165.00	715	241.00	125	384.00	90
97.00	55	166.00	581	242.00	559	390.00	96
98.00	2821	167.00	3622	243.00	366	391.00	81
99.00	2212	168.00	1562	244.00	7890	401.00	136
100.00	374	169.00	452	245.00	1138	402.00	353
101.00	1227	170.00	100	246.00	1339	403.00	486
103.00	436	171.00	137	247.00	235	404.00	208
104.00	865	172.00	264	248.00	43	405.00	35
105.00	797	173.00	391	249.00	292	414.00	25
106.00	55	174.00	756	250.00	80	421.00	452
107.00	9365	175.00	1176	251.00	43	422.00	177
108.00	1455	176.00	552	252.00	38	423.00	3516
110.00	21648	177.00	617	253.00	105	424.00	730
111.00	2965	179.00	2825	255.00	37752	441.00	4935
112.00	378	180.00	1647	256.00	5603	442.00	70272
113.00	63	181.00	945	257.00	363	443.00	13681
114.00	112	182.00	108	258.00	1806	444.00	1274
115.00	37	183.00	93	259.00	254	445.00	48
116.00	363	184.00	199	260.00	40		

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080611A.B\S1F7230.D

Date : 11-JUN-2008 15:52

Client ID: DFTPP1I

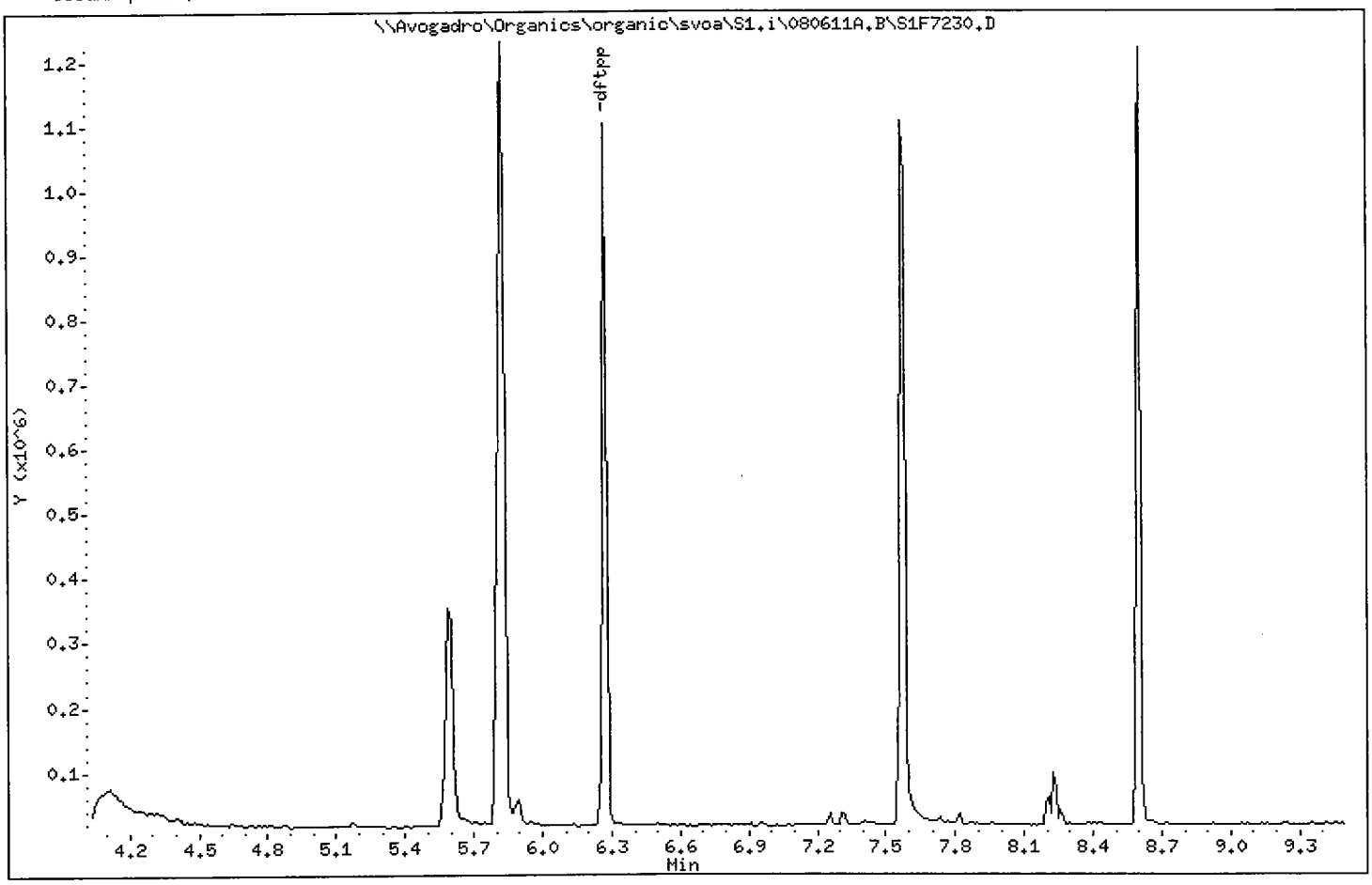
Instrument: S1.i

Sample Info: DFTPP1I,DFTPP1I

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7240.D

Date : 12-JUN-2008 09:46

Client ID: DFTPP1J

Instrument: S1.i

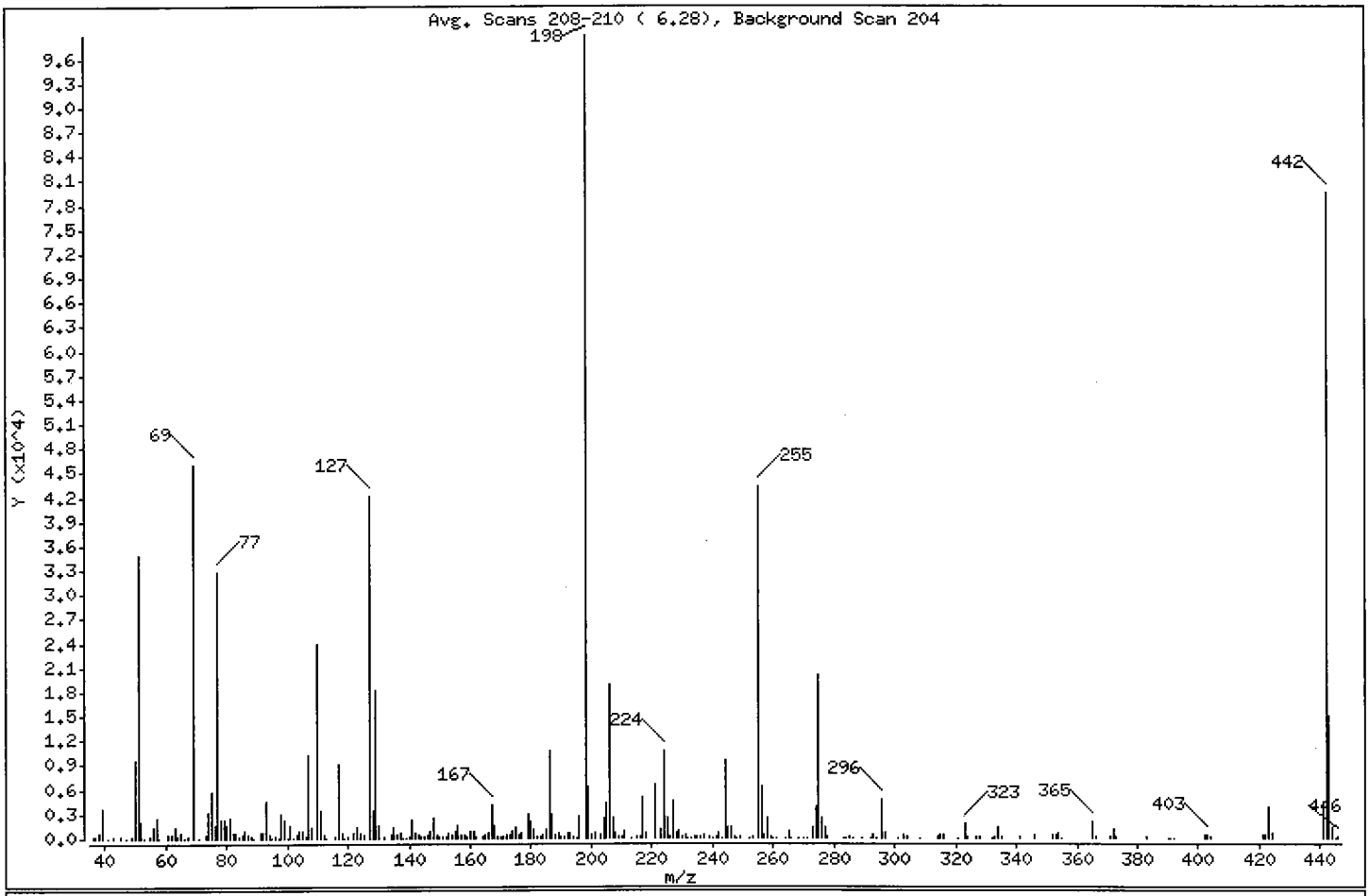
Sample Info: DFTPP1J,DFTPP1J

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	35.23
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	46.52
70	Less than 2.00% of mass 69	0.00 (0.00)
127	25.00 - 75.00% of mass 198	42.70
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.49
275	10.00 - 30.00% of mass 198	20.22
365	Greater than 0.75% of mass 198	2.15
441	Present, but less than mass 443	4.51
442	40.00 - 110.00% of mass 198	80.36
443	15.00 - 24.00% of mass 442	15.28 (19.02)

Date : 12-JUN-2008 09:46

Client ID: DFTPP1J Instrument: S1.i

Sample Info: DFTPP1J,DFTPP1J

Operator: DK SRC: DK

Column phase: DB-5MS Column diameter: 0.25

Data File: S1F7240.D
Spectrum: Avg. Scans 208-210 (6.28), Background Scan 204
Location of Maximum: 198.00
Number of points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	206	117.00	9038	189.00	712	270.00	37
37.00	247	118.00	657	190.00	194	271.00	74
38.00	738	119.00	89	191.00	176	273.00	1305
39.00	3559	120.00	146	192.00	752	274.00	3767
41.00	27	122.00	765	193.00	750	275.00	19992
43.00	204	123.00	1357	194.00	165	276.00	2587
45.00	193	124.00	599	195.00	49	277.00	1379
47.00	38	125.00	514	196.00	2659	278.00	237
49.00	288	127.00	42216	198.00	98856	283.00	102
50.00	9532	128.00	3440	199.00	6415	284.00	54
51.00	34824	129.00	18128	200.00	399	285.00	223
52.00	1972	130.00	1536	201.00	645	286.00	38
53.00	105	132.00	170	203.00	524	289.00	35
55.00	247	134.00	516	204.00	2477	292.00	85
56.00	1301	135.00	1351	205.00	4377	293.00	375
57.00	2492	136.00	537	206.00	18976	294.00	34
58.00	54	137.00	621	207.00	2520	296.00	4887
61.00	555	138.00	37	208.00	615	297.00	712
62.00	539	139.00	87	209.00	206	301.00	37
63.00	1418	140.00	178	210.00	120	303.00	516
64.00	270	141.00	2281	211.00	828	304.00	130
65.00	707	142.00	722	213.00	44	308.00	59
66.00	93	143.00	476	215.00	160	314.00	302
67.00	140	144.00	116	216.00	174	315.00	510
69.00	45992	145.00	152	217.00	5116	316.00	351
71.00	44	146.00	384	218.00	656	321.00	99
73.00	360	147.00	985	221.00	6550	323.00	1759
74.00	3230	148.00	2477	223.00	1226	324.00	246
75.00	5657	149.00	555	224.00	10779	327.00	307
76.00	1680	150.00	164	225.00	2564	328.00	140
77.00	32840	151.00	329	226.00	115	332.00	66
78.00	2321	152.00	120	227.00	4553	333.00	156
79.00	2367	153.00	668	228.00	712	334.00	1261
80.00	1699	154.00	425	229.00	958	335.00	208
81.00	2413	155.00	981	230.00	115	341.00	251

Date : 12-JUN-2008 09:46

Client ID: DFTPP1J Instrument: S1.i

Sample Info: DFTPP1J,DFTPP1J

Operator: DK SRC: DK

Column phase: DB-5MS Column diameter: 0.25

Data File: S1F7240.D
Spectrum: Avg. Scans 208-210 (6.28), Background Scan 204
Location of Maximum: 198.00
Number of points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	615	156.00	1535	231.00	417	346.00	360
83.00	632	157.00	482	232.00	68	352.00	532
84.00	136	158.00	374	233.00	97	353.00	400
85.00	449	159.00	264	234.00	282	354.00	575
86.00	804	160.00	821	235.00	202	355.00	45
87.00	364	161.00	996	236.00	167	365.00	2127
88.00	197	162.00	261	237.00	358	366.00	285
89.00	41	164.00	209	239.00	125	371.00	161
91.00	782	165.00	541	240.00	97	372.00	1077
92.00	671	166.00	656	241.00	254	373.00	162
93.00	4603	167.00	4089	242.00	738	383.00	277
94.00	347	168.00	1681	243.00	109	390.00	108
95.00	109	169.00	338	244.00	9607	391.00	35
96.00	175	170.00	201	245.00	1298	392.00	48
97.00	56	171.00	195	246.00	1380	402.00	397
98.00	2905	172.00	379	247.00	276	403.00	443
99.00	2208	173.00	457	248.00	34	404.00	181
100.00	20	174.00	950	249.00	325	421.00	470
101.00	1590	175.00	1393	252.00	111	422.00	494
102.00	34	176.00	397	253.00	164	423.00	3796
103.00	488	177.00	773	255.00	43168	424.00	720
104.00	815	179.00	3060	256.00	6384	441.00	4454
105.00	860	180.00	1970	257.00	359	442.00	79440
106.00	203	181.00	1044	258.00	2442	443.00	15108
107.00	10153	182.00	171	259.00	311	444.00	1451
108.00	1471	183.00	137	260.00	85	445.00	35
110.00	23960	184.00	346	261.00	90	446.00	122
111.00	3325	185.00	1251	264.00	21		
112.00	394	186.00	10799	265.00	846		
113.00	111	187.00	2900	266.00	64		
116.00	285	188.00	424	268.00	36		

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7240.D

Date : 12-JUN-2008 09:46

Client ID: DFTPP1J

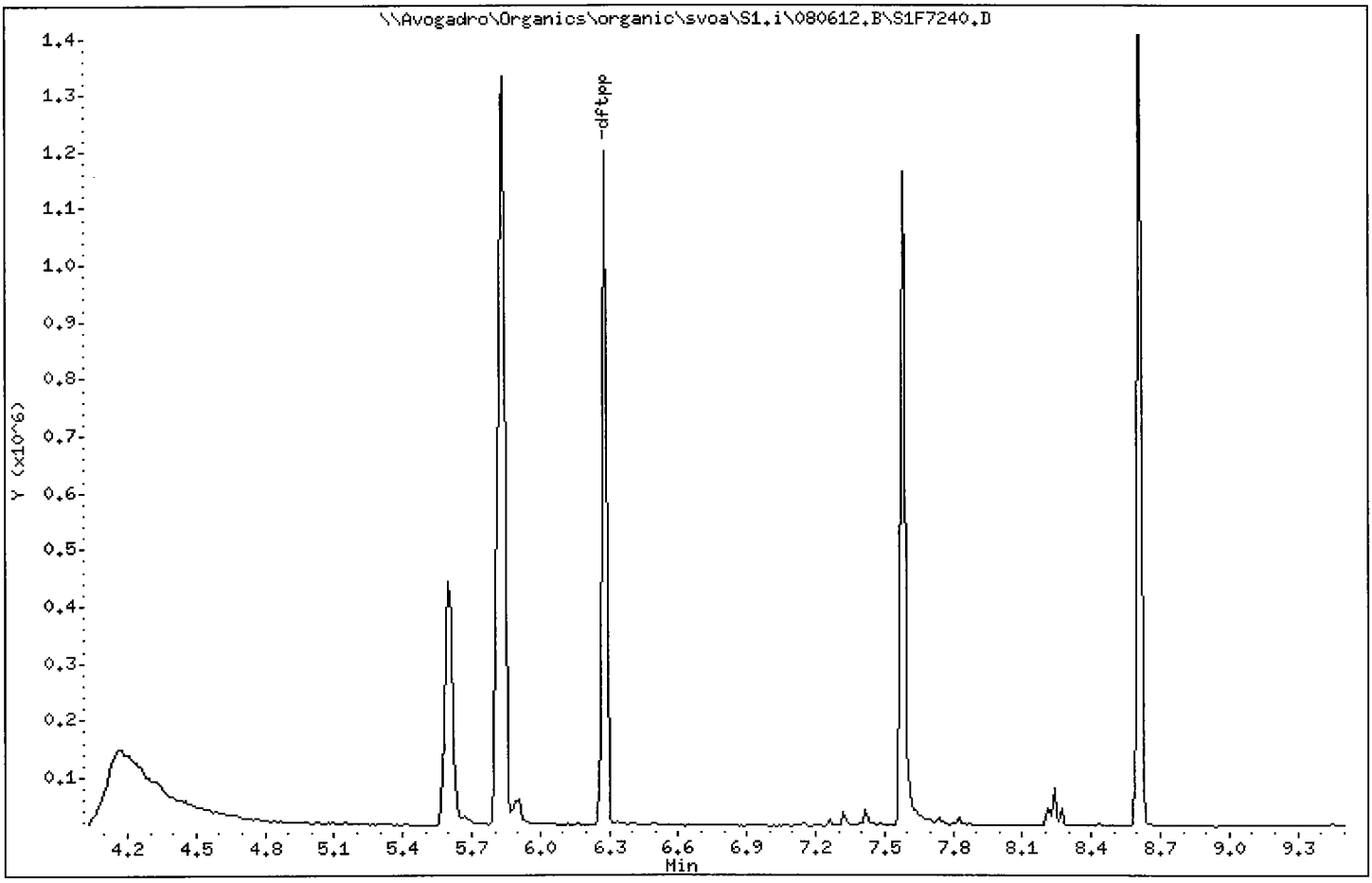
Instrument: S1.i

Sample Info: DFTPP1J,DFTPP1J

Operator: DK SRC: DK

Column phase: DB-5MS

Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7242.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5.0	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7242.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK1H

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7242.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

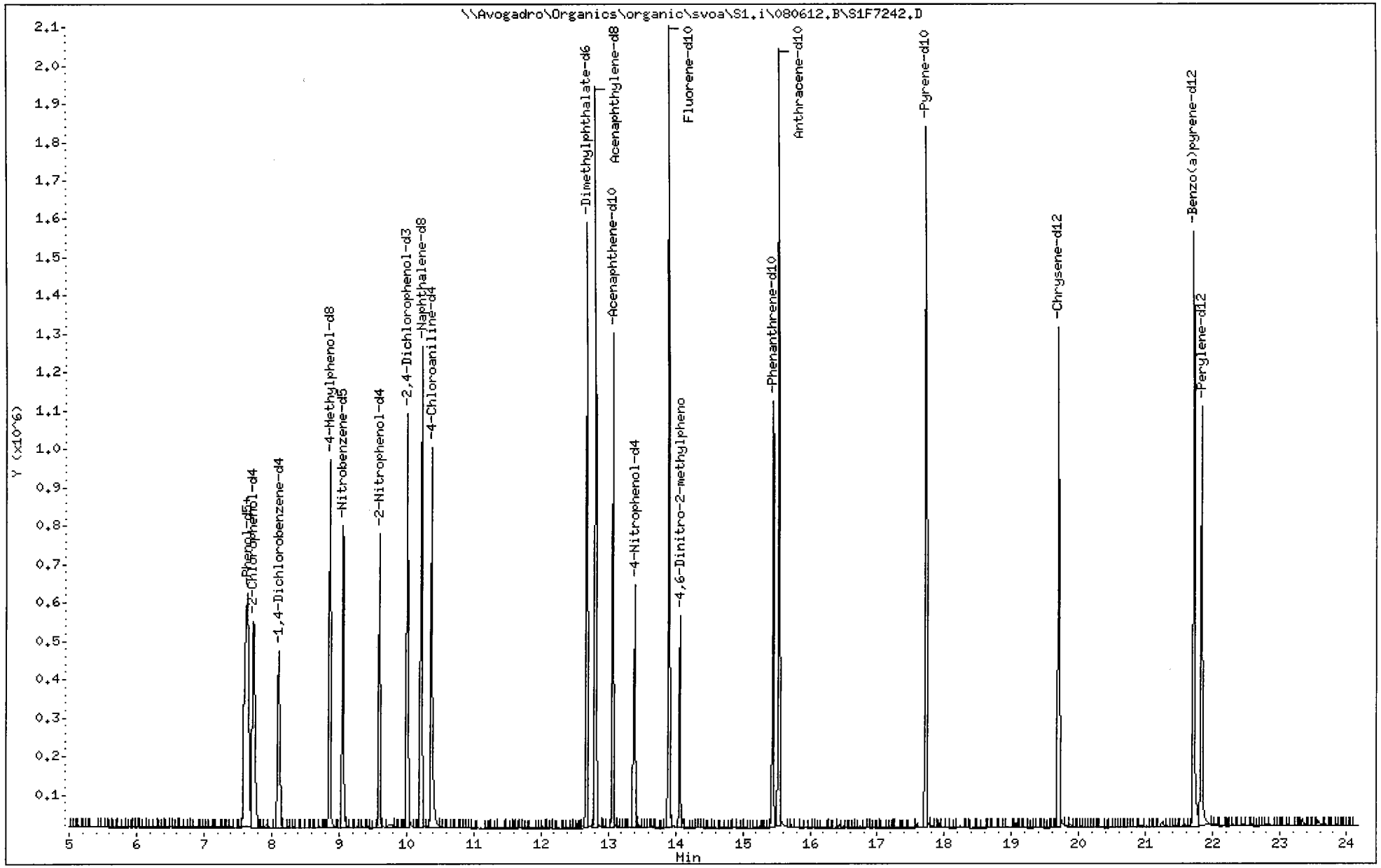
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7242.D
Date : 12-JUN-2008 10:50
Client ID: SBLK1H
Instrument: S1.i
Sample Info: MB-36906,SBLK1H,36906
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



TS7D

Data File: S1F7242.D
Report Date: 13-Jun-2008 12:59

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7242.D
Lab Smp Id: MB-36906 Client Smp ID: SBLK1H
Inj Date : 12-JUN-2008 10:50
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : MB-36906,SBLK1H,36906
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.626	7.622	(0.941)	962202	35.2399	35
$	4 bis(2-Chloroethyl)ether-d8	67	7.637	7.633	(0.943)	307929	35.2948	35
$	6 2-Chlorophenol-d4	132	7.723	7.730	(0.953)	525105	37.1785	37
*	8 1,4-Dichlorobenzene-d4	152	8.101	8.097	(1.000)	222974	20.0000	
$	11 4-Methylphenol-d8	113	8.869	8.865	(1.095)	398961	34.3760	34
$	16 Nitrobenzene-d5	128	9.052	9.059	(0.886)	292644	38.3811	38
$	19 2-Nitrophenol-d4	143	9.592	9.599	(0.939)	307151	35.8130	36
$	23 2,4-Dichlorophenol-d3	165	10.014	10.010	(0.980)	410549	36.1060	36
*	25 Naphthalene-d8	136	10.219	10.215	(1.000)	843645	20.0000	
$	27 4-Chloroaniline-d4	131	10.371	10.377	(1.015)	544656	35.8714	36(R)
$	40 Dimethylphthalate-d6	166	12.672	12.679	(0.970)	1106885	37.1781	37
$	43 Acenaphthylene-d8	160	12.813	12.809	(0.981)	1254950	34.3564	34
*	46 Acenaphthene-d10	164	13.061	13.068	(1.000)	409144	20.0000	
$	49 4-Nitrophenol-d4	143	13.385	13.414	(1.025)	192007	33.2064	33(Q)
$	54 Fluorene-d10	176	13.904	13.900	(1.065)	794420	35.3266	35
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.066	14.084	(0.911)	148096	25.7742	26(Q)
*	65 Phenanthrene-d10	188	15.438	15.445	(1.000)	627643	20.0000	
$	67 Anthracene-d10	188	15.536	15.532	(1.006)	1159486	34.1929	34
$	72 Pyrene-d10	212	17.718	17.714	(0.900)	1083799	38.0044	38
*	77 Chrysene-d12	240	19.696	19.703	(1.000)	673616	20.0000	
$	83 Benzo(a)pyrene-d12	264	21.716	21.713	(0.995)	958022	37.7077	38

Data File: S1F7242.D
Report Date: 13-Jun-2008 12:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 85 Perylene-d12	264	21.825	21.831	(1.000)	594700	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

Data File: S1F7242.D
Report Date: 13-Jun-2008 12:59

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7242.D
Lab Smp Id: MB-36906 Client Smp ID: SBLK1H
Inj Date : 12-JUN-2008 10:50
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : MB-36906,SBLK1H,36906
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14
Processing Host: TARGET101

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1HLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7243.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	63	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	64	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	18	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	66	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	20	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	15	
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	50	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	15	

EPA OLC

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1HLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0859

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36906

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1F7243.D

Level: (LOW/MED) LOW Extraction: (Type) CONT

% Moisture: Decanted: (Y/N) Date Received:

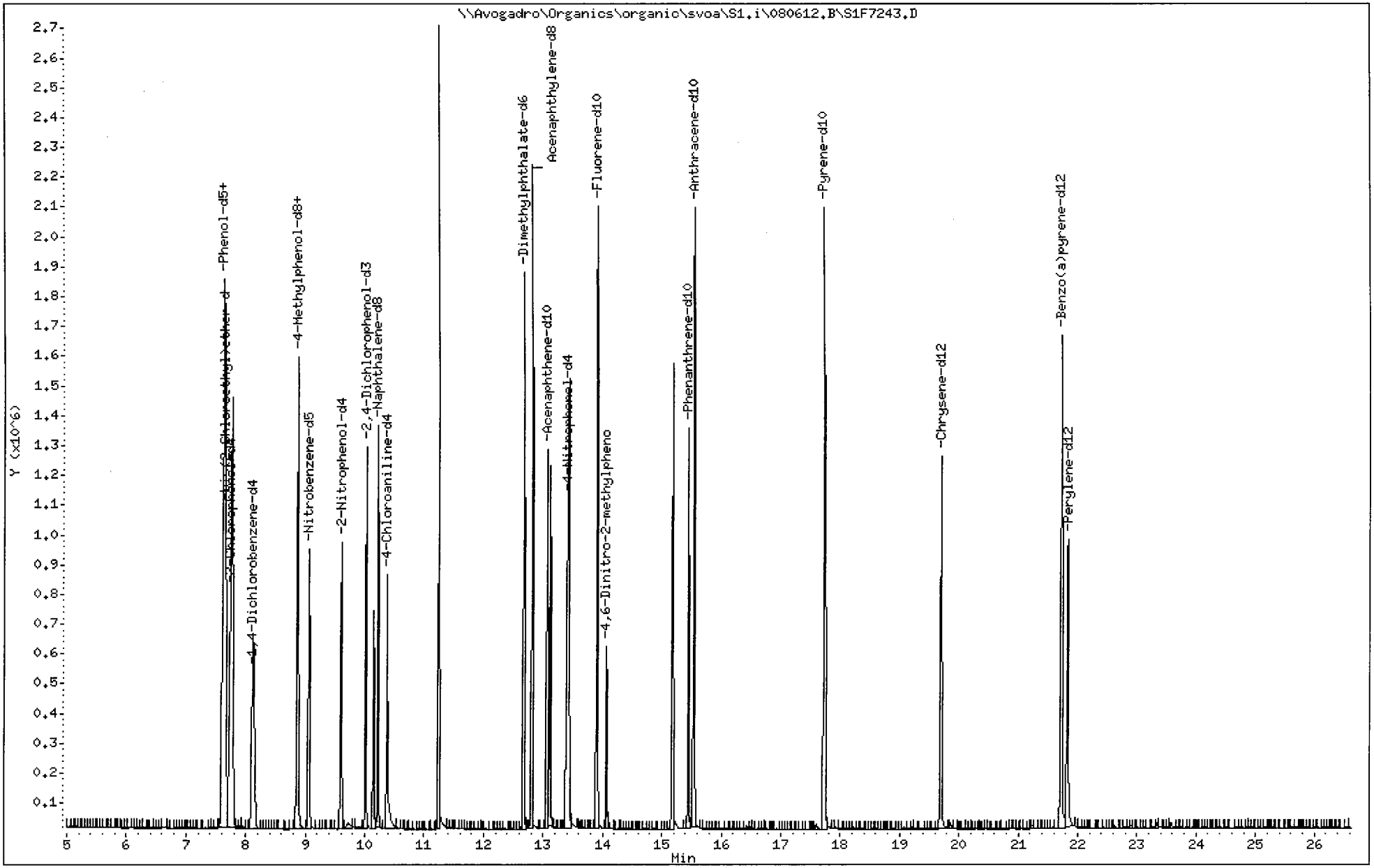
Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	65	
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	13	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3´-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

Data File: \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7243.D
Date : 12-JUN-2008 11:26
Client ID: S1HLCS
Instrument: S1.i
Sample Info: LCS-36906,S1HLCS,36906
Volume Injected (uL): 1.0
Operator: DK SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



LS19

Data File: S1F7243.D
Report Date: 13-Jun-2008 10:09

Mitkem Corporation

CLP OLC3.X QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1F7243.D
Lab Smp Id: LCS-36906 Client Smp ID: S1HLCS
Inj Date : 12-JUN-2008 11:26
Operator : DK SRC: LIMS Inst ID: S1.i
Smp Info : LCS-36906,S1HLCS,36906
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S1.i\080612.B\S1_OLC3.m
Meth Date : 12-Jun-2008 10:40 beata Quant Type: ISTD
Cal Date : 12-JUN-2008 10:14 Cal File: S1F7241.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLC3.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	2 Phenol-d5	99	7.623	7.622	(0.941)	1062872	34.1684	34
	3 Phenol	94	7.644	7.622	(0.944)	1050967	63.2580	63
$	4 bis(2-Chloroethyl)ether-d8	67	7.655	7.633	(0.945)	358983	36.1168	36
$	6 2-Chlorophenol-d4	132	7.731	7.730	(0.955)	563211	35.0020	35
	7 2-Chlorophenol	128	7.763	7.752	(0.959)	1069991	64.0411	64
*	8 1,4-Dichlorobenzene-d4	152	8.098	8.097	(1.000)	254026	20.0000	
$	11 4-Methylphenol-d8	113	8.865	8.865	(1.095)	451003	34.1099	34
	14 N-Nitroso-di-n-propylamine	70	8.865	8.865	(1.095)	118431	17.5980	18
$	16 Nitrobenzene-d5	128	9.060	9.059	(0.887)	330463	39.9012	40
$	19 2-Nitrophenol-d4	143	9.600	9.599	(0.940)	360305	38.6762	39
$	23 2,4-Dichlorophenol-d3	165	10.011	10.010	(0.980)	438606	35.5119	36
*	25 Naphthalene-d8	136	10.216	10.215	(1.000)	916378	20.0000	
$	27 4-Chloroaniline-d4	131	10.367	10.377	(1.015)	491263	29.7869	30(R)
	31 4-Chloro-3-methylphenol	107	11.243	11.242	(1.100)	704084	66.4380	66
$	40 Dimethylphthalate-d6	166	12.680	12.679	(0.970)	1224659	35.9790	36
$	43 Acenaphthylene-d8	160	12.809	12.809	(0.980)	1397119	33.4552	33
*	46 Acenaphthene-d10	164	13.069	13.068	(1.000)	467764	20.0000	
	47 Acenaphthene	153	13.112	13.122	(1.003)	426911	15.2645	15
$	49 4-Nitrophenol-d4	143	13.404	13.414	(1.026)	243854	36.8879	37(Q)
	50 4-Nitrophenol	109	13.425	13.425	(1.027)	196330	49.6854	50(Q)
	51 2,4-Dinitrotoluene	165	13.436	13.435	(1.028)	182019	15.4894	15
$	54 Fluorene-d10	176	13.912	13.900	(1.064)	890805	34.6485	35

Data File: S1F7243.D
Report Date: 13-Jun-2008 10:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	58 4,6-Dinitro-2-methylphenol-d2	200	14.074	14.084	(0.911)	169172	28.2079	28 (Q)
	64 Pentachlorophenol	266	15.176	15.175	(0.983)	298610	64.7198	65
*	65 Phenanthrene-d10	188	15.446	15.445	(1.000)	655107	20.0000	
$	67 Anthracene-d10	188	15.543	15.532	(1.006)	1333809	37.6846	38
$	72 Pyrene-d10	212	17.726	17.714	(0.900)	1205320	40.3519	40
	73 Pyrene	202	17.748	17.747	(0.901)	487816	12.7985	13
*	77 Chrysene-d12	240	19.693	19.703	(1.000)	705562	20.0000	
$	83 Benzo(a)pyrene-d12	264	21.724	21.713	(0.995)	1026202	39.9059	40
*	85 Perylene-d12	264	21.832	21.831	(1.000)	601933	20.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/13/08 BM

Mitkem Corporation — Instrument S1 Injection Log — METHOD: OLC — ANALYST: BM — BATCH: 080611A.B — Start: 11-JUN-08 15:52
Semivolatiles Laboratory — ICAL DATE: 06/11/08 — EMV: 1541 — End: 11-JUN-08 18:52

Comments: IS - SI080417A

Tune - SW080603B
L1 - SW080603C
L2 - SW080603D
L3 - SW080603E
L4 - SW080603F
L5 - SW080603G

GOLD SEAL-CLEAN
LINER - CLEAN
CLIPPED COLUMN-YES

Reviewed By: 6/12/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	M	O	P	DILN	FLG	COMMENTS
S1F7230	15:52	DFTPP1I	DFTPP1I																									1		OK
S1F7231	16:23	SSTD0201I	SSTD0201I		AQ	100	100	100	100	100	100																	1		OK
S1F7232	17:00	SSTD0051I	SSTD0051I		AQ	112	108	121	115	107	102																	1		OK
S1F7233	17:38	SSTD0801I	SSTD0801I		AQ	103	99	109	106	94	102																	1		OK ICAL
S1F7234	18:15	SSTD0101I	SSTD0101I		AQ	108	103	119	112	106	109																	1		OK
S1F7235	18:52	SSTD0501I	SSTD0501I		AQ	108	109	114	107	104	107																	1		OK

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

#1996

06/12/08 BM

Ferrule	

Mitkem Corporation
Semivolatiles Laboratory

Instrument S1 Injection Log

METHOD: OLC
ICAL DATE: 06/11/08

ANALYST: BM
EMV: 1541

BATCH: 080612.B

Start: 12-JUN-08 09:46
End: 12-JUN-08 19:45

Comments: IS - SI080417A
Tune - SW080603B
L3 - SW080603E
#1996

Reviewed By: CK 6/13/08

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	M	O	P	DILN	FLG	COMMENTS
S1F7240	09:46	DFTPP1J	DFTPP1J																									1		OK
S1F7241	10:14	SSTD0201J	SSTD0201J		AQ	100	100	100	100	100	100																	1		OK
S1F7242	10:50	MB-36906	SBLK1H	36906	AQ	117	123	131	128	128	130								*									1		OK
S1F7243	11:26	LCS-36906	S1HLCS	36906	AQ	133	133	150	134	134	131								*									1		OK
S1F7244	12:02	MB-36876	SBLK1I	36876	AQ	134	132	143	136	129	133								*									1		OK
S1F7245	12:51	LCS-36876	S1ILCS	36876	AQ	128	136	146	134	133	133		*						*									1		Re-run
S1F7246	13:26	G0859-01B	130173-MW-4-GW	36906	AQ	141	143	147	139	132	132																	1		OK
S1F7247	14:01	G0859-02B	130173-FB-6408	36906	AQ	129	136	145	134	134	136								*									1		OK
S1F7248	14:36	G0859-03B	130173-MW-3-GW	36906	AQ	142	147	143	147	134	140																	1		OK
S1F7249	15:10	G0846-02B	130173-MW-1-GW	36876	AQ	140	145	153	148	138	134		*															1		OK
S1F7250	15:45	G0846-02BMS	130173-MW-1-GWM	36876	AQ	135	135	151	137	132	124		*						*									1	E	OK
S1F7251	16:19	G0846-02BMSD	130173-MW-1-GWM	36876	AQ	133	141	151	131	131	127								*									1		OK
S1F7252	16:54	G0846-03B	130173-FB-6308	36876	AQ	140	139	150	140	141	139								*									1		OK
S1F7253	17:28	G0846-04B	130173-MW-6-GW	36876	AQ	141	144	155	144	142	144		*						*									1		OK
S1F7254	18:02	G0846-05B	130173-MW66-GW	36876	AQ	144	141	146	134	134	130								*									1		OK
S1F7255	18:37	G0846-06B	130173-MW-2-GW	36876	AQ	138	145	151	142	140	141								*									1		OK
S1F7256	19:11	G0846-07B	130173-MW-5-GW	36876	AQ	145	150	166	152	143	143								*									1		OK
S1F7257	19:45	LCS-36876	S1ILCS	36876	AQ	140	150	155	145	139	139								*									1		OK

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
D - Surrogates are diluted

06/13/08 BM

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc. ORGANIC PREP - SAMPLE PREPARATION: SEMIVOLATILES

Date: 6-5-08	Analysis: OLC 3.2	Method #	Aq: 3510C (SepF) 3520C (Lig/Liq) Other: Soil: 3550B (Sonic) 3540C (Soxhlet)	Matrix (Aqueous) Soil Wipe Oil Other:	Sodium Sulfate Lot #: E43602
Batch ID: 36906	LCS ID: 36906	Analyst: Roy	Spiked By: Roy	Witness: AC	MeCl Lot#: CV435
MeCL/Acetone 1:1 Lot#: —	H_2SO_4 Lot#: OPW080512B	NaOH Lot#: —	Time/Date Started: 6-5-08 15:00	Time/Date Ended: 6-6-08 09:00	

Lab ID	Bottle #	Sample Wt (g) / Vol (mL)	Initial pH	Surrogate Spike Added(uL)	Matrix Spike Added(uL)	H2SO4 pH<2	NaOH pH>11	Emulsion	KD/RV Prior to Fractionation Date / Analyst	Fractionation Date / Analyst	Final Concentration Date / Analyst	Final Conc. Volume (mL)	Date Extract Trans.
MB 36906	1	1000	7.0	1.4L	—	<2	—	—			6/06/08 MW	1	6/06/08
LCS 36906	—	↓	↓	↓	1.4L	↓	↓	↓			↓	↓	↓
60859-01B	1	↓	↓	↓	—	↓	↓	↓			↓	↓	↓
↓ -02B	1	↓	↓	↓	↓	↓	↓	↓			↓	↓	↓
60859-03B	1	1000	7.0	1.4L	—	<2	—	—			6/06/08 MW	1	6/06/08

6/6/08 MW

6-5-08 Roy

Comments:

Surrogate Std. ID: 05W080522C

Matrix Spike/LCS Std. ID: 05W071904A

Sonicator Tuned: Yes / No NA

Soxhet Cycle/Hour: NA

Drip Rate NA

Water Bath Temp: 85°C

Logbook ID: 50.0147-05/08

Reviewed By: PK 6/6/8

MITKEM LABORATORIES: SEMIVOLATILE EXTRACT TRANSFER LOGBOOK

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Disposal Date	Comments
6/06/08	G0846-	00B	MW	BM	CLP-R7-85		
↓	G0846-	04B	↓	↓	↓		
	MB 36899	-		BM	R7-116		
	LCS 36899	-		↓	↓		
	LCSD 36899	-					
	G0848-	01B					
	G0854-	01D					
	↓	02D					
	G0854-	02D		↓	↓		
	MB 36906	-			CLP-R7-85		
	LCS 36906	-			↓		
	G0859-	01B					
	↓	02B					
	G0859-	03B		↓	↓		
↓	G0871-	04AQ	↓				
6/06/08	G0854-	02DRE	MW				
6/06/08	MB-36924	-	AL	BM	R7-116		
↓	IPANDA1-36924			↓	↓		
	IPANDA2-36924						
↓	IPANDA3-36924	↓	↓				
6/6/08	IPANDA4-36924	-	AL	↓	↓		
6.7.8	MB-36895	-	DC	SW	CLP R7-84		
↓	MB-36899	-	↓	↓	↓		
	G0847	01B					
↓	G0871	10ARE	↓	↓	↓		
6.7.8	G0771	11ARE	DC	↓	↓		
~~MB 6/8/08~~	MB-36928	-	TR				
	G0864	01B					
	↓	02B					
		03B					
		07B					
↓	↓	07BMS	↓				
6/8/08	G0864	07BMSD	TR				

Logbook ID 70.0141-02/08

Reviewed By: 6/13/08 YS

0193

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc.

Sample Receiving Logbook

Workorder No. G0859

Client Name: CDM

Date Recv'd 6/5/08 **Sample #s** 01-03 **Storage Locations:** V04, N3, M2 CW

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

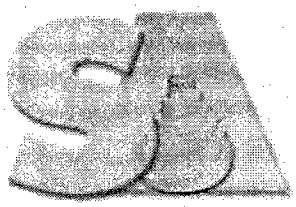
OUT		IN	
Relinquished By	**Received By**	**Relinquished By**	**Received By**
Date: 6/5/08 Init: CAW	Date: 6/5/08 Init: BV	Date: 6/5/08 Init: NAB	Date: 6/5/08 Init: CAN
Samp. #s 01-03C metals, HG		01-03C	
Date: 6-5-08 Init: AC	Date: 6-5-08 Init: ROY	Date: 6-5-08 Init: ROY	Date: 6-5-08 Init: AC
Samp. #s 0131 → 0381	OLC 3-2	MT	
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s		06/13/08 BM	
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)
Include the abbreviated name of the test to be performed., ie: SVOA, PCB...near the "samp. #s".
Include bottle or jar number when more than one.

Reviewed: 06/13/08 BM

MITKEM LABORATORIES



* Metals *

U.S.EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID
130173-FB-6408	G0859-02
130173-MW-3-GW	G0859-03
130173-MW-4-GW	G0859-01

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

Comments:

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

Signature: Name:

Date: 6/23/98 Title:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-FB-6408

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Matrix (soil/water): WATER Lab Sample ID: G0859-02

Level (low/med): MED Date Received: 06/05/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	0.75	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.16	B		P
7440-70-2	Calcium	73.0	U		P
7440-47-3	Chromium	0.37	B		P
7440-48-4	Cobalt	0.21	U		P
7440-50-8	Copper	2.8	B		P
7439-89-6	Iron	14.6	B		P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	6.4	U		P
7439-96-5	Manganese	1.7	B		P
7439-97-6	Mercury	0.11	B		CV
7440-02-0	Nickel	0.55	B		P
7440-09-7	Potassium	34.8	U		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	3.4	B		P
7440-23-5	Sodium	77.6	B		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	52.2		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-3-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Matrix (soil/water): WATER Lab Sample ID: G0859-03

Level (low/med): MED Date Received: 06/05/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	38.1	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	B		P
7440-39-3	Barium	34.0	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.19	B		P
7440-70-2	Calcium	13100			P
7440-47-3	Chromium	7.0	B		P
7440-48-4	Cobalt	0.28	B		P
7440-50-8	Copper	3.0	B		P
7439-89-6	Iron	130			P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	2840	B		P
7439-96-5	Manganese	6.8	B		P
7439-97-6	Mercury	0.094	B		CV
7440-02-0	Nickel	5.3	B		P
7440-09-7	Potassium	1520	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	2.2	B		P
7440-23-5	Sodium	14700			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	14.0	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

130173-MW-4-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Matrix (soil/water): WATER Lab Sample ID: G0859-01

Level (low/med): MED Date Received: 06/05/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	130	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	44.0	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.13	U		P
7440-70-2	Calcium	13400			P
7440-47-3	Chromium	16.6			P
7440-48-4	Cobalt	0.73	B		P
7440-50-8	Copper	5.2	B		P
7439-89-6	Iron	363			P
7439-92-1	Lead	1.3	U		P
7439-95-4	Magnesium	3450	B		P
7439-96-5	Manganese	29.9			P
7439-97-6	Mercury	0.098	B		CV
7440-02-0	Nickel	11.8	B		P
7440-09-7	Potassium	1830	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	3.5	B		P
7440-23-5	Sodium	11900			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.78	B		P
7440-66-6	Zinc	19.7	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury	2.0	2.18	109.0	5.0	5.21	104.1	5.21	104.2	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	5.26	105.2	5.28	105.7	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium	37500.0	37598.79	100.3	25000.0	25459.88	101.8	25718.26	102.9	P
Sodium	37500.0	38119.98	101.7	25000.0	26201.46	104.8	26411.82	105.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium				25000.0	25619.69	102.5			P
Sodium				25000.0	26379.23	105.5			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum	15000.0	14834.12	98.9	10000.0	9862.31	98.6	10126.94	101.3	P
Antimony	750.0	735.06	98.0	500.0	503.84	100.8	511.84	102.4	P
Arsenic	750.0	769.38	102.6	500.0	517.76	103.6	534.09	106.8	P
Barium	15000.0	15329.29	102.2	10000.0	10610.14	106.1	10839.24	108.4	P
Beryllium	375.0	378.89	101.0	250.0	255.83	102.3	262.90	105.2	P
Cadmium	375.0	380.55	101.5	250.0	258.28	103.3	265.83	106.3	P
Calcium	37500.0	37026.42	98.7	25000.0	24578.23	98.3	24918.35	99.7	P
Chromium	1500.0	1537.66	102.5	1000.0	1042.83	104.3	1075.36	107.5	P
Cobalt	3750.0	3903.17	104.1	2500.0	2653.63	106.1	2743.46	109.7	P
Copper	1875.0	1879.22	100.2	1250.0	1240.57	99.2	1270.58	101.6	P
Iron	7500.0	7674.40	102.3	5000.0	5229.41	104.6	5386.44	107.7	P
Lead	750.0	757.36	101.0	500.0	516.72	103.3	527.99	105.6	P
Magnesium	37500.0	38362.68	102.3	25000.0	26002.84	104.0	26780.96	107.1	P
Manganese	3750.0	3778.45	100.8	2500.0	2560.94	102.4	2635.05	105.4	P
Nickel	3750.0	3889.93	103.7	2500.0	2646.75	105.9	2738.39	109.5	P
Selenium	750.0	759.13	101.2	500.0	507.36	101.5	523.29	104.7	P
Silver	1875.0	1768.62	94.3	1250.0	1245.53	99.6	1281.33	102.5	P
Thallium	750.0	759.98	101.3	500.0	512.28	102.5	524.99	105.0	P
Vanadium	3750.0	3777.44	100.7	2500.0	2535.27	101.4	2608.16	104.3	P
Zinc	3750.0	3836.35	102.3	2500.0	2614.89	104.6	2705.45	108.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	9892.77	98.9			P
Antimony				500.0	507.59	101.5			P
Arsenic				500.0	523.92	104.8			P
Barium				10000.0	10602.36	106.0			P
Beryllium				250.0	259.27	103.7			P
Cadmium				250.0	262.70	105.1			P
Calcium				25000.0	24781.74	99.1			P
Chromium				1000.0	1042.22	104.2			P
Cobalt				2500.0	2669.19	106.8			P
Copper				1250.0	1238.01	99.0			P
Iron				5000.0	5260.35	105.2			P
Lead				500.0	521.23	104.2			P
Magnesium				25000.0	26243.97	105.0			P
Manganese				2500.0	2598.06	103.9			P
Nickel				2500.0	2659.25	106.4			P
Selenium				500.0	511.99	102.4			P
Silver				1250.0	1242.50	99.4			P
Thallium				500.0	517.81	103.6			P
Vanadium				2500.0	2559.38	102.4			P
Zinc				2500.0	2639.17	105.6			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2B

CRDL STANDARD FORR AA AND ICP

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.2	0.3	150.0					

Control Limits: no control limits have been established by EPA at this time

U.S. EPA - CLP

2B

CRDL STANDARD FORR AA AND ICP

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	107.57	89.6	110.15	91.8
Arsenic				20.0	22.08	110.4	20.23	101.2
Beryllium				10.0	9.79	97.9	10.06	100.6
Cadmium				10.0	10.78	107.8	11.01	110.1
Chromium				20.0	21.09	105.5	21.52	107.6
Cobalt				100.0	111.97	112.0	116.73	116.7
Copper				50.0	51.55	103.1	52.44	104.9
Lead				6.0	5.85	97.5	6.4	106.6
Manganese				30.0	32.91	109.7	34.01	113.4
Nickel				80.0	89.68	112.1	91.61	114.5
Selenium				10.0	12.82	128.2	5 U	22.9
Silver				20.0	24.65	123.3	21.09	105.5
Thallium				20.0	21.81	109.0	21.11	105.6
Vanadium				100.0	100.7	100.7	103.36	103.4
Zinc				40.0	44.03	110.1	45.15	112.9

Control Limits: no control limits have been established by EPA at this time

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36916**

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

FIMS1_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.111	B	0.102	B	0.114	B	0.116	B	0.094	B	

U.S. EPA - CLP

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BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Blank Matrix (soil/water): Method Blank ID:

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

FIMS1_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.118	B							

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA3_080605B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	34.8	U	34.9	U	34.9	U	40.5	B	34.850	U	
Sodium	36.8	B	19.6	B	23.4	B	30.8	B	129.351	B	

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3

BLANKS

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36914**

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

OPTIMA3_080606A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	7.6	U	15.0	B	16.1	B	12.0	B	22.994	B	
Antimony	2.0	U	2.0	U	2.0	U	2.0	U	1.990	U	
Arsenic	2.5	U	2.5	U	2.5	U	2.5	U	2.480	U	
Barium	0.6	B	0.4	B	0.3	B	0.3	B	0.792	B	
Beryllium	0.0	U	0.0	B	0.0	B	0.0	U	-0.039	B	
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	0.182	B	
Calcium	73.0	U	73.0	U	73.0	U	73.0	U	72.980	U	
Chromium	0.2	U	0.2	B	0.2	U	0.2	U	0.160	U	
Cobalt	0.2	U	0.2	U	0.3	B	0.2	U	0.210	U	
Copper	1.8	B	2.9	B	2.0	B	2.5	B	4.557	B	
Iron	0.7	U	2.3	B	1.2	B	2.3	B	52.114	B	
Lead	1.3	U	1.3	U	1.3	U	1.3	U	1.280	U	
Magnesium	6.4	U	6.4	U	6.4	U	6.4	U	6.370	U	
Manganese	1.1	U	1.1	U	1.1	U	1.1	U	3.326	B	
Nickel	0.4	U	0.3	U	0.3	U	0.3	U	0.350	U	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	4.750	U	
Silver	6.0	B	1.0	B	0.5	B	0.5	U	4.125	B	
Thallium	2.3	U	2.3	U	2.3	U	2.3	U	2.330	U	
Vanadium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	
Zinc	1.1	B	0.9	B	0.9	B	1.0	B	3.302	B	

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Potassium	0	0	4.0		6.9		35.0		5.5	
Sodium	0	0	33.0		21.4		52.0		36.2	

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Aluminum	500000	500000	463000		453000	90.6	466000		460000	92.0
Antimony	0	600	2.0		525	87.5	4.0		534	89.0
Arsenic	0	100	0		88.6	88.6	1.0		91.2	91.2
Barium	0	500	0		464	92.8	0		474	94.8
Beryllium	0	500	0		441	88.2	0		448	89.6
Cadmium	0	1000	-2.0		834	83.4	-2.0		850	85.0
Calcium	500000	500000	486000		484000	96.8	489000		494000	98.8
Chromium	0	500	2.0		444	88.8	2.0		451	90.2
Cobalt	0	500	8.0		423	84.6	8.0		431	86.2
Copper	0	500	-1.0		471	94.2	-3.0		478	95.6
Iron	200000	200000	172000		168000	84.0	172000		171000	85.5
Lead	0	50	0		40.2	80.4	-2.0		41.9	83.8
Magnesium	500000	500000	449000		440000	88.0	450000		446000	89.2
Manganese	0	500	5.0		453	90.6	5.0		461	92.2
Nickel	0	1000	14.0		841	84.1	14.0		854	85.4
Selenium	0	50	7.0		43.9	87.8	-8.0		49	98.0
Silver	0	200	-2.0		190	95.0	-3.0		192	96.0
Thallium	0	100	3.0		88.5	88.5	2.0		90.2	90.2
Vanadium	0	500	-2.0		445	89.0	-2.0		452	90.4
Zinc	0	1000	9.0		835	83.5	9.0		848	84.8

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-36914**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9583.67	105.3						
Antimony	455.0	512.95	112.7						
Arsenic	455.0	503.54	110.7						
Barium	9100.0	9850.93	108.3						
Beryllium	227.0	250.87	110.5						
Cadmium	227.0	258.57	113.9						
Calcium	22700.0	23719.51	104.5						
Chromium	910.0	997.18	109.6						
Cobalt	2270.0	2537.42	111.8						
Copper	1130.0	1184.20	104.8						
Iron	4550.0	5036.27	110.7						
Lead	455.0	508.02	111.7						
Magnesium	22700.0	24765.40	109.1						
Manganese	2270.0	2511.16	110.6						
Nickel	2270.0	2528.48	111.4						
Potassium	22700.0	24126.04	106.3						
Selenium	455.0	517.06	113.6						
Silver	1130.0	1197.43	106.0						
Sodium	22700.0	24593.21	108.3						
Thallium	455.0	512.11	112.6						
Vanadium	2270.0	2429.14	107.0						
Zinc	2270.0	2572.72	113.3						

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ICP SERIAL DILUTIONS

EPA SAMPLE NO.

130173-MW-3-GW

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Matrix (soil/water): WATER Level (low/med): MED

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

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	38.08	B	109.88		189		P
Antimony	1.99	U	9.95	U			P
Arsenic	2.52	B	12.40	U	100		P
Barium	33.98	B	34.94		3		P
Beryllium	0.03	U	0.15	U			P
Cadmium	0.19	B	0.65	U	100		P
Calcium	13059.73		12453.03		5		P
Chromium	7.02	B	7.56		8		P
Cobalt	0.28	B	1.05	U	100		P
Copper	3.03	B	7.26		140		P
Iron	129.92		136.42		5		P
Lead	1.28	U	6.40	U			P
Magnesium	2838.04	B	2894.78		2		P
Manganese	6.83	B	6.64		3		P
Nickel	5.28	B	4.67		12		P
Potassium	1519.08	B	1351.94		11		P
Selenium	4.75	U	23.75	U			P
Silver	2.24	B	2.25	U	100		P
Sodium	14654.07		14760.36		1		P
Thallium	2.33	U	11.65	U			P
Vanadium	0.50	U	2.50	U			P
Zinc	13.97	B	28.67		105	E	P

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10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Instrument Type: CV InstrumentID: FIMS1 Date: 05/01/2008

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRDL	IDL
Mercury	253.70	0.2	0.060

Comments:

U.S. EPA - CLP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Instrument Type: P InstrumentID: OPTIMA3 Date: 05/01/2008

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRDL	IDL
Aluminum	308.21	200	7.6
Antimony	206.83	60	2.0
Arsenic	188.98	10	2.5
Barium	233.53	200	0.18
Beryllium	313.11	5.0	0.030
Cadmium	226.50	5.0	0.13
Calcium	227.54	5000	73.0
Chromium	267.72	10	0.16
Cobalt	228.62	50	0.21
Copper	324.75	25	0.67
Iron	273.96	100	0.68
Lead	220.35	3.0	1.3
Magnesium	279.08	5000	6.4
Manganese	257.61	15	1.1
Nickel	231.60	40	0.35
Potassium	766.49	5000	35.0
Selenium	196.03	5.0	4.8
Silver	328.07	10	0.45
Sodium	589.59	5000	19.0
Thallium	190.80	10	2.3
Vanadium	292.40	50	0.50
Zinc	206.20	20	0.23

Comments:

U.S. EPA - CLP

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

ICP ID Number: OPTIMA3 Date: 06/02/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0063708	0.0000000	0.0230512	0.0050751	7.7771400
Arsenic	188.97	0.0106102	-0.0096162	-0.0231112	-0.0045369	-6.3432100
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0279599	0.0000000	0.0000000
Calcium	227.54	-0.5863510		-32.5860000	0.3847080	-11.2328000
Chromium	267.71	0.0057258	0.0000000	-0.0068454	0.0000000	
Cobalt	228.61	0.0000000	0.0000000	0.0226906	0.0000000	-0.1388900
Copper	324.75	0.0050804	0.0000000	-0.0413794	0.0025938	0.0000000
Iron	273.95	0.0000000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.0423834	-0.0044341	0.0213613	0.0000000	-0.0595263
Magnesium	279.07	0.0000000	0.0000000	-0.4815310		0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0040035	0.0000000
Nickel	231.60	0.0000000	0.0022537	0.0084339	0.0000000	0.0000000
Selenium	196.02	-0.0310395	0.0000000	-0.4495440	-0.0035049	-0.2034420
Silver	328.06	0.0029739	0.0000000	0.0000000	0.0020785	0.0000000
Sodium	330.24	0.0000000	1.5171500	0.5808810	0.0000000	7.1028200
Thallium	190.80	-0.0167473	0.0047081	-0.0431515	-0.0069306	0.3105350
Titanium	334.94	0.0000000	-0.0081369	0.0000000	0.0000000	0.3365630
Vanadium	292.40	0.0000000	0.0000000	-0.0260516	0.0000000	-1.7832900
Zinc	206.20	0.0064515	0.0041086	0.0050234	0.0050234	-3.0428300

Comments:

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11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

ICP ID Number: OPTIMA3 Date: 06/02/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.1299200	0.0000000	0.0000000	0.0000000	-1.3269600
Arsenic	188.97	0.0000000	0.0000000	0.0000000	0.0586874	-0.3684250
Barium	233.52	0.0000000	0.0000000	0.0299810	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.7844500
Cadmium	226.50	0.0000000	0.0000000	-0.3404920	0.0000000	0.0000000
Calcium	227.54	4.8853300	0.0000000	38.7067000	0.0000000	0.0000000
Chromium	267.71	0.0000000	0.2343640	0.0000000	0.0000000	0.0000000
Cobalt	228.61	0.0000000	0.0000000	0.1393310	0.0000000	1.7290300
Copper	324.75		0.0580551	0.0228906	0.0874854	0.0000000
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.2413400	0.1140250	0.0000000	-0.0507199	-0.7629810
Magnesium	279.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000		0.0204858	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000		0.1478210	0.2580190
Selenium	196.02	-0.0557523	0.5611530	-0.0395387	0.0000000	-0.4476150
Silver	328.06	0.0490704	0.1176670	0.0000000	0.0000000	0.0000000
Sodium	330.24	-6.5009800	0.0000000	-1.8553600	0.0000000	-605.0340000
Thallium	190.80	0.0447912	-0.2514840	0.0000000		0.4661170
Titanium	334.94	0.0000000	0.0000000	0.0000000	0.0000000	
Vanadium	292.40	0.0895717	0.0000000	0.0000000	0.0000000	0.6420750
Zinc	206.20	0.0821448	0.1768780	0.0472829	0.0985761	0.2259190

Comments:

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11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

ICP ID Number: OPTIMA3 Date: 06/02/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: V				
Aluminum	308.21	17.7847000				
Antimony	206.83	-0.6534270				
Arsenic	188.97	0.0000000				
Barium	233.52	-0.9192850				
Beryllium	313.10	-0.0410143				
Cadmium	226.50	0.0000000				
Calcium	227.54	43.1985000				
Chromium	267.71	-0.3125250				
Cobalt	228.61	0.0000000				
Copper	324.75	-0.0341931				
Iron	273.95	0.0000000				
Lead	220.35	-0.0936414				
Magnesium	279.07	0.0000000				
Manganese	257.61	0.0000000				
Nickel	231.60	0.0000000				
Selenium	196.02	-0.1698680				
Silver	328.06	-0.4585090				
Sodium	330.24	-2.8182000				
Thallium	190.80	4.0709400				
Titanium	334.94	0.0000000				
Vanadium	292.40					
Zinc	206.20	0.0382803				

Comments:

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

ICP ID Number: OPTIMA3 Date: 5/1/2008

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	0.20	500000	P
Antimony	0.20	50000	P
Arsenic	0.20	50000	P
Barium	0.20	50000	P
Beryllium	0.20	10000	P
Cadmium	0.20	50000	P
Calcium	0.20	50000	P
Chromium	0.20	50000	P
Cobalt	0.20	100000	P
Copper	0.20	50000	P
Iron	0.20	300000	P
Lead	0.20	100000	P
Magnesium	0.20	500000	P
Manganese	0.20	25000	P
Nickel	0.20	100000	P
Potassium	0.20	250000	P
Selenium	0.20	25000	P
Silver	0.20	2500	P
Sodium	0.20	250000	P
Thallium	0.20	50000	P
Vanadium	0.20	50000	P
Zinc	0.20	50000	P

Comments:

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PREPARATION LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Method: P Batch ID: 36914

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
130173-FB-6408	06/05/2008		50
130173-MW-3-GW	06/05/2008		50
130173-MW-4-GW	06/05/2008		50
LCSW	06/05/2008		50
PBW	06/05/2008		50

Comments:

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PREPARATION LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Preparation Method: CV Batch ID: 36916

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
CCB	06/05/2008		100
CCV	06/05/2008		100
CRI	06/05/2008		100
ICB	06/05/2008		100
ICV	06/05/2008		100
S0	06/05/2008		100
S0.2	06/05/2008		100
S1.0	06/05/2008		100
S10.0	06/05/2008		100
S2.0	06/05/2008		100
S5.0	06/05/2008		100
130173-FB-6408	06/05/2008		100
130173-MW-3-GW	06/05/2008		100
130173-MW-4-GW	06/05/2008		100
PBW	06/05/2008		100

Comments:

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Instrument ID Number: FIMS1 Method: CV

Start Date: 06/06/2008 End Date: 06/06/2008

FIMS1_080606A

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1017																X								
S0.2	1.0	1018																X								
S1.0	1.0	1019																X								
S2.0	1.0	1021																X								
S5.0	1.0	1022																X								
S10.0	1.0	1024																X								
ICV	1.0	1025																X								
ICB	1.0	1027																X								
CRI	1.0	1028																X								
CCV	1.0	1029																X								
CCB	1.0	1031																X								
PBW	1.0	1032																X								
ZZZZZZ	1.0	1034																								
ZZZZZZ	1.0	1035																								
ZZZZZZ	1.0	1037																								
ZZZZZZ	1.0	1038																								
CCV	1.0	1039																X								
CCB	1.0	1041																X								
ZZZZZZ	1.0	1042																								
ZZZZZZ	1.0	1044																								
ZZZZZZ	1.0	1045																								
ZZZZZZ	1.0	1047																								
ZZZZZZ	1.0	1048																								
ZZZZZZ	1.0	1049																								
ZZZZZZ	1.0	1051																								
ZZZZZZ	1.0	1052																								
CCV	1.0	1054																X								
CCB	1.0	1055																X								
ZZZZZZ	1.0	1057																								
130173-MW-4-GW	1.0	1058																X								
130173-FB-6408	1.0	1100																X								
130173-MW-3-GW	1.0	1101																X								

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Instrument ID Number: FIMS1 Method: CV

Start Date: 06/06/2008 End Date: 06/06/2008

FIMS1_080606A

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.0	1102																X								
CCB	1.0	1104																X								

ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Instrument ID Number: OPTIMA3 Method: P

Start Date: 06/05/2008 End Date: 06/05/2008

OPTIMA3_080605B

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1553																		X			X				
S1	1.0	1555																		X			X				
ICV	1.0	1557																		X			X				
ICB	1.0	1600																		X			X				
ICSA	1.0	1602																		X			X				
ICSAB	1.0	1604																		X			X				
CCV	1.0	1607																		X			X				
CCB	1.0	1609																		X			X				
PBW	1.0	1611																		X			X				
LCSW	1.0	1614																		X			X				
130173-MW-4-GW	1.0	1616																		X			X				
130173-FB-6408	1.0	1618																		X			X				
130173-MW-3-GW	1.0	1621																		X			X				
130173-MW-3-GWL	5.0	1623																		X			X				
ZZZZZZ	1.0	1625																										
ZZZZZZ	1.0	1628																										
ZZZZZZ	5.0	1630																										
ZZZZZZ	1.0	1632																										
CCV	1.0	1635																		X			X				
CCB	1.0	1637																		X			X				
ZZZZZZ	1.0	1639																										
ZZZZZZ	1.0	1642																										
ZZZZZZ	1.0	1644																										
ZZZZZZ	1.0	1646																										
ZZZZZZ	1.0	1649																										
ZZZZZZ	1.0	1651																										
ZZZZZZ	1.0	1653																										
ZZZZZZ	1.0	1656																										
ICSA	1.0	1658																		X			X				
ICSAB	1.0	1700																		X			X				
CCV	1.0	1703																		X			X				

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ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Instrument ID Number: OPTIMA3 Method: P

Start Date: 06/05/2008 End Date: 06/05/2008

OPTIMA3_080605B

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.0	1705																		X			X				

ANALYSIS RUN LOG

Lab Name: Mitkem Laboratories Contract: 0897-59317

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0859

Instrument ID Number: OPTIMA3 Method: P

Start Date: 06/06/2008 End Date: 06/06/2008

OPTIMA3_080606A

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0942		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
S1	1.0	0945		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICV	1.0	0948		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICB	1.0	0951		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CRI	1.0	0955			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.0	0958		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.0	1001		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.0	1004		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.0	1007		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
PBW	1.0	1010		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
LCSW	1.0	1014		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
130173-MW-4-GW	1.0	1017		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
130173-FB-6408	1.0	1020		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
130173-MW-3-GW	1.0	1023		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
130173-MW-3-GWL	5.0	1026		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.0	1029		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.0	1032		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.0	1035																									
ZZZZZZ	1.0	1038																									
ZZZZZZ	1.0	1042																									
ZZZZZZ	5.0	1045																									
CRI	1.0	1048			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.0	1051		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.0	1054		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.0	1057		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.0	1100		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	

Instrument Raw Data

- [x] ICP
- [x] Mercury
- [ ] Cyanide

Reprocessing Begun
Logged In Analyst: optima3 Technique: ICP Continuous

Results Data Set (original): B08060504
Results Library (original): C:\pe\Administrator\Results\Results.mdb
Results Data Set (reprocessed): B08060504A
Results Library (reprocessed): C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: S0 Date Collected: 6/5/2008 3:53:00 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:30 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	539.8	27.72	5.13%	[0.00]	mg/L
Na 589.592	68.4	72.22	105.59%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 9
Sample ID: S1 Date Collected: 6/5/2008 3:55:35 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	155178.3	231.36	0.15%	[50]	mg/L
Na 589.592	398519.5	942.54	0.24%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
K 766.490	1	Lin Thru 0	0.0	3104	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	7970	0.00000	1.000000	

Sequence No.: 3 Autosampler Location: 10
Sample ID: ICV Date Collected: 6/5/2008 3:57:55 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Sample Std.Dev.	Conc.	Units	Std.Dev.	RSD
K 766.490	116690.3	37.599	mg/L	0.7858	37.599	mg/L	0.7858	2.09%
Na 589.592	303831.1	38.120	mg/L	0.7242	38.120	mg/L	0.7242	1.90%

Sequence No.: 4 Autosampler Location: 4
Sample ID: ICB Date Collected: 6/5/2008 4:00:15 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	88.7	0.0286	mg/L	0.00346	0.0286	mg/L	0.00346	12.09%
Na 589.592	293.5	0.0368	mg/L	0.00353	0.0368	mg/L	0.00353	9.57%

Sequence No.: 5
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 6/5/2008 4:02:35 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	13.2	0.0043	mg/L	0.00802	0.0043	mg/L	0.00802	188.14%
Na 589.592	264.4	0.0332	mg/L	0.00344	0.0332	mg/L	0.00344	10.38%

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 6/5/2008 4:04:57 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	21.3	0.0069	mg/L	0.02364	0.0069	mg/L	0.02364	344.96%
Na 589.592	170.7	0.0214	mg/L	0.00624	0.0214	mg/L	0.00624	29.16%

Sequence No.: 7
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 6/5/2008 4:07:14 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	79016.4	25.460	mg/L	0.0669	25.460	mg/L	0.0669	0.26%
Na 589.592	208835.9	26.201	mg/L	0.0503	26.201	mg/L	0.0503	0.19%

Sequence No.: 8
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 6/5/2008 4:09:34 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	14.6	0.0047	mg/L	0.00576	0.0047	mg/L	0.00576	122.12%
Na 589.592	156.0	0.0196	mg/L	0.00942	0.0196	mg/L	0.00942	48.09%

Sequence No.: 9
Sample ID: MB-36914,36914
Analyst:
Logged In Analyst (Original) : optima3
Autosampler Location: 38
Date Collected: 6/5/2008 4:11:54 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM

Initial Sample Wt:
Dilution:
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	42.4	0.0137	mg/L	0.00322	0.0137	mg/L	0.00322	23.51%
Na 589.592	1031.0	0.1294	mg/L	0.00353	0.1294	mg/L	0.00353	2.73%

==========

Sequence No.: 10
Sample ID: LCS-36914,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 39
Date Collected: 6/5/2008 4:14:14 PM
Data Type: Reprocessed on 6/6/2008 8:52:37 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	74876.8	24.126	mg/L	0.1302	24.126	mg/L	0.1302	0.54%
Na 589.592	196017.5	24.593	mg/L	0.1644	24.593	mg/L	0.1644	0.67%

==========

Sequence No.: 11
Sample ID: G0859-01C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 40
Date Collected: 6/5/2008 4:16:33 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0859-01C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	5682.5	1.8310	mg/L	0.00442	1.8310	mg/L	0.00442	0.24%
Na 589.592	95199.7	11.944	mg/L	0.0541	11.944	mg/L	0.0541	0.45%

==========

Sequence No.: 12
Sample ID: G0859-02C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 41
Date Collected: 6/5/2008 4:18:52 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0859-02C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	100.2	0.0323	mg/L	0.05202	0.0323	mg/L	0.05202	161.13%
Na 589.592	618.6	0.0776	mg/L	0.00287	0.0776	mg/L	0.00287	3.70%

==========

Sequence No.: 13
Sample ID: G0859-03C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 42
Date Collected: 6/5/2008 4:21:11 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0859-03C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	4714.6	1.5191	mg/L	0.02807	1.5191	mg/L	0.02807	1.85%
Na 589.592	116798.6	14.654	mg/L	0.0964	14.654	mg/L	0.0964	0.66%

==========

Sequence No.: 14
Sample ID: G0859-03CSD,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 43
Date Collected: 6/5/2008 4:23:30 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0859-03CSD,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	839.2	0.2704	mg/L	0.02293	0.2704	mg/L	0.02293	8.48%
Na 589.592	23529.2	2.9521	mg/L	0.09470	2.9521	mg/L	0.09470	3.21%

Sequence No.: 15
Sample ID: G0846-02C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 44
Date Collected: 6/5/2008 4:25:49 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	20334.6	6.5520	mg/L	0.08962	6.5520	mg/L	0.08962	1.37%
Na 589.592	103507.2	12.986	mg/L	0.1561	12.986	mg/L	0.1561	1.20%

Sequence No.: 16
Sample ID: G0846-02CDUP,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 45
Date Collected: 6/5/2008 4:28:08 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CDUP,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	20126.2	6.4849	mg/L	0.05781	6.4849	mg/L	0.05781	0.89%
Na 589.592	102803.0	12.898	mg/L	0.1424	12.898	mg/L	0.1424	1.10%

Sequence No.: 17
Sample ID: G0846-02CSD,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 46
Date Collected: 6/5/2008 4:30:27 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CSD,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	4072.6	1.3122	mg/L	0.01956	1.3122	mg/L	0.01956	1.49%
Na 589.592	20639.6	2.5895	mg/L	0.00651	2.5895	mg/L	0.00651	0.25%

Sequence No.: 18
Sample ID: G0846-03C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 47
Date Collected: 6/5/2008 4:32:47 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-03C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD

K 766.490	52.1	0.0168 mg/L	0.00806	0.0168 mg/L	0.00806	47.97%
Na 589.592	388.9	0.0488 mg/L	0.00560	0.0488 mg/L	0.00560	11.48%

Sequence No.: 19
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/5/2008 4:35:07 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	79818.3	25.718	mg/L	0.0613	25.718	mg/L	0.0613	0.24%
Na 589.592	210512.5	26.412	mg/L	0.0698	26.412	mg/L	0.0698	0.26%

Sequence No.: 20
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/5/2008 4:37:27 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	46.2	0.0149	mg/L	0.01173	0.0149	mg/L	0.01173	78.77%
Na 589.592	186.7	0.0234	mg/L	0.00787	0.0234	mg/L	0.00787	33.62%

Sequence No.: 21
Sample ID: G0846-04C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 6/5/2008 4:39:47 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-04C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	9003.9	2.9011	mg/L	0.08551	2.9011	mg/L	0.08551	2.95%
Na 589.592	133326.0	16.728	mg/L	0.2112	16.728	mg/L	0.2112	1.26%

Sequence No.: 22
Sample ID: G0846-05C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/5/2008 4:42:08 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-05C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	8820.3	2.8420	mg/L	0.01030	2.8420	mg/L	0.01030	0.36%
Na 589.592	131816.7	16.538	mg/L	0.0621	16.538	mg/L	0.0621	0.38%

Sequence No.: 23
Sample ID: G0846-06C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 6/5/2008 4:44:31 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-06C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	5205.2	1.6772	mg/L	0.01789	1.6772	mg/L	0.01789	1.07%
Na 589.592	81836.3	10.268	mg/L	0.0524	10.268	mg/L	0.0524	0.51%

Sequence No.: 24
Sample ID: G0846-07C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 51
Date Collected: 6/5/2008 4:46:51 PM
Data Type: Reprocessed on 6/6/2008 8:52:38 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-07C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	11378.7	3.6663	mg/L	0.06854	3.6663	mg/L	0.06854	1.87%
Na 589.592	219092.9	27.488	mg/L	0.3932	27.488	mg/L	0.3932	1.43%

Sequence No.: 25
Sample ID: IPANDA1-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 52
Date Collected: 6/5/2008 4:49:11 PM
Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA1-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	74973.1	24.157	mg/L	0.1782	24.157	mg/L	0.1782	0.74%
Na 589.592	196303.1	24.629	mg/L	0.1626	24.629	mg/L	0.1626	0.66%

Sequence No.: 26
Sample ID: IPANDA2-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 53
Date Collected: 6/5/2008 4:51:31 PM
Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA2-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	74212.1	23.912	mg/L	0.1875	23.912	mg/L	0.1875	0.78%
Na 589.592	194198.4	24.365	mg/L	0.1685	24.365	mg/L	0.1685	0.69%

Sequence No.: 27
Sample ID: IPANDA-36915,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 54
Date Collected: 6/5/2008 4:53:51 PM
Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IPANDA-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	73982.8	23.838	mg/L	0.0997	23.838	mg/L	0.0997	0.42%
Na 589.592	193729.2	24.306	mg/L	0.0896	24.306	mg/L	0.0896	0.37%

Sequence No.: 28
Sample ID: IPANDA4-36915,36914
Analyst:
Autosampler Location: 55
Date Collected: 6/5/2008 4:56:11 PM
Data Type: Reprocessed on 6/6/2008 8:52:39 AM

Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: IPANDA4-36915,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	75215.6	24.235	mg/L	0.0617	24.235	mg/L	0.0617	0.25%
Na 589.592	202416.0	25.396	mg/L	0.0930	25.396	mg/L	0.0930	0.37%

==========

Sequence No.: 29 Autosampler Location: 5
Sample ID: ICSA Date Collected: 6/5/2008 4:58:31 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	108.6	0.0350	mg/L	0.01754	0.0350	mg/L	0.01754	50.13%
Na 589.592	412.6	0.0518	mg/L	0.00108	0.0518	mg/L	0.00108	2.09%

==========

Sequence No.: 30 Autosampler Location: 6
Sample ID: ICSAB Date Collected: 6/5/2008 5:00:52 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	17.1	0.0055	mg/L	0.00571	0.0055	mg/L	0.00571	103.62%
Na 589.592	288.4	0.0362	mg/L	0.00286	0.0362	mg/L	0.00286	7.89%

==========

Sequence No.: 31 Autosampler Location: 3
Sample ID: CCV Date Collected: 6/5/2008 5:03:09 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	79512.4	25.620	mg/L	0.2125	25.620	mg/L	0.2125	0.83%
Na 589.592	210252.7	26.379	mg/L	0.1853	26.379	mg/L	0.1853	0.70%

==========

Sequence No.: 32 Autosampler Location: 4
Sample ID: CCB Date Collected: 6/5/2008 5:05:29 PM
Analyst: Data Type: Reprocessed on 6/6/2008 8:52:39 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	125.6	0.0405	mg/L	0.01239	0.0405	mg/L	0.01239	30.62%
Na 589.592	245.3	0.0308	mg/L	0.00032	0.0308	mg/L	0.00032	1.04%

Reprocessing Begun
Logged In Analyst: optima3 Technique: ICP Continuous

Results Data Set (original): B08060601
Results Library (original): C:\pe\Administrator\Results\Results.mdb
Results Data Set (reprocessed): B08060601A
Results Library (reprocessed): C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: S0 Date Collected: 6/6/2008 9:42:28 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:23:47 PM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	82.3	25.63	31.16%	[0.00]	mg/L
Al 308.215	8045.5	58.14	0.72%	[0.00]	mg/L
As 188.979	-0.1	4.99	>999.9%	[0.00]	mg/L
Ba 233.527	-32.9	0.41	1.24%	[0.00]	mg/L
Be 313.107	-813.2	13.88	1.71%	[0.00]	mg/L
Co 228.616	-31.0	1.43	4.62%	[0.00]	mg/L
Cr 267.716	5.2	3.96	76.27%	[0.00]	mg/L
Cu 324.752	4475.1	29.21	0.65%	[0.00]	mg/L
Fe 273.955	-137.5	2.07	1.50%	[0.00]	mg/L
Mg 279.077	-251.4	63.20	25.14%	[0.00]	mg/L
Mn 257.610	164.6	8.40	5.10%	[0.00]	mg/L
Ni 231.604	-41.8	1.11	2.65%	[0.00]	mg/L
Pb 220.353	14.2	0.78	5.46%	[0.00]	mg/L
Sb 206.836	7.9	2.38	30.10%	[0.00]	mg/L
Se 196.026	-2.0	1.23	60.14%	[0.00]	mg/L
Tl 190.801	-7.1	3.53	50.01%	[0.00]	mg/L
V 292.402	-18.1	1.02	5.64%	[0.00]	mg/L
Zn 206.200	11.1	3.80	34.34%	[0.00]	mg/L
Na 330.237	-279.5	53.85	19.27%	[0.00]	mg/L
Cd 226.502	-56.1	1.06	1.88%	[0.00]	mg/L
Ti 334.940	-133.3	14.51	10.89%	[0.00]	mg/L
Ca 227.546	87.5	5.83	6.67%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 9
Sample ID: S1 Date Collected: 6/6/2008 9:45:31 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:23:53 PM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	390657.9	1931.20	0.49%	[2.5]	mg/L
Al 308.215	557947.7	2181.45	0.39%	[20]	mg/L
As 188.979	1400.6	9.24	0.66%	[1]	mg/L
Ba 233.527	1151108.6	1757.38	0.15%	[20]	mg/L
Be 313.107	895409.4	7172.74	0.80%	[0.5]	mg/L
Co 228.616	165652.7	131.45	0.08%	[5]	mg/L
Cr 267.716	122076.3	811.66	0.66%	[2]	mg/L
Cu 324.752	441006.7	1602.49	0.36%	[2.5]	mg/L
Fe 273.955	303622.7	239.36	0.08%	[10]	mg/L
Mg 279.077	1078403.7	4540.52	0.42%	[50]	mg/L
Mn 257.610	2699879.1	14760.65	0.55%	[5]	mg/L
Ni 231.604	137177.8	310.04	0.23%	[5]	mg/L
Pb 220.353	5285.6	32.00	0.61%	[1]	mg/L
Sb 206.836	2155.3	16.67	0.77%	[1]	mg/L

Se 196.026	693.6	7.58	1.09%	[1] mg/L
Tl 190.801	1697.6	8.89	0.52%	[1] mg/L
V 292.402	515639.0	102.09	0.02%	[5] mg/L
Zn 206.200	140435.3	816.73	0.58%	[5] mg/L
Na 330.237	55336.7	103.38	0.19%	[50] mg/L
Cd 226.502	18486.9	259.19	1.40%	[0.5] mg/L
Ti 334.940	630118.8	4334.88	0.69%	[1] mg/L
Ca 227.546	14432.3	85.41	0.59%	[50] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	156300	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	27900	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1401	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	57560	0.00000	1.000000	
Be 313.107	1	Lin Thru 0	0.0	1791000	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	33130	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	61040	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	176400	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	30360	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	21570	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	540000	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	27440	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	5286	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	2155	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	693.6	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	1698	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	103100	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	28090	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	1107	0.00000	1.000000	
Cd 226.502	1	Lin Thru 0	0.0	36970	0.00000	1.000000	
Ti 334.940	1	Lin Thru 0	0.0	630100	0.00000	1.000000	
Ca 227.546	1	Lin Thru 0	0.0	288.6	0.00000	1.000000	

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Sequence No.: 3
Sample ID: ICV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 6/6/2008 9:48:46 AM
Data Type: Reprocessed on 6/6/2008 1:23:54 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	276348.7	1.7686	mg/L	0.06128	1.7686	mg/L	0.06128	3.47%
Al 308.215	414606.5	14.834	mg/L	0.4013	14.834	mg/L	0.4013	2.71%
As 188.979	1068.5	0.7694	mg/L	0.00035	0.7694	mg/L	0.00035	0.05%
Ba 233.527	882049.6	15.329	mg/L	0.2166	15.329	mg/L	0.2166	1.41%
Be 313.107	678292.0	0.3789	mg/L	0.01031	0.3789	mg/L	0.01031	2.72%
Co 228.616	129315.5	3.9032	mg/L	0.05619	3.9032	mg/L	0.05619	1.44%
Cr 267.716	93916.4	1.5377	mg/L	0.01789	1.5377	mg/L	0.01789	1.16%
Cu 324.752	331497.3	1.8792	mg/L	0.03098	1.8792	mg/L	0.03098	1.65%
Fe 273.955	233012.3	7.6744	mg/L	0.11841	7.6744	mg/L	0.11841	1.54%
Mg 279.077	827526.7	38.363	mg/L	1.1380	38.363	mg/L	1.1380	2.97%
Mn 257.610	2040962.9	3.7784	mg/L	0.12491	3.7784	mg/L	0.12491	3.31%
Ni 231.604	106755.9	3.8899	mg/L	0.05012	3.8899	mg/L	0.05012	1.29%
Pb 220.353	4004.3	0.7574	mg/L	0.00397	0.7574	mg/L	0.00397	0.52%
Sb 206.836	1631.8	0.7351	mg/L	0.00306	0.7351	mg/L	0.00306	0.42%
Se 196.026	526.8	0.7591	mg/L	0.00437	0.7591	mg/L	0.00437	0.58%
Tl 190.801	1299.1	0.7600	mg/L	0.00310	0.7600	mg/L	0.00310	0.41%
V 292.402	389336.8	3.7774	mg/L	0.09650	3.7774	mg/L	0.09650	2.55%
Zn 206.200	107673.3	3.8364	mg/L	0.04847	3.8364	mg/L	0.04847	1.26%
Na 330.237	40818.6	36.826	mg/L	0.5524	36.826	mg/L	0.5524	1.50%
Cd 226.502	14049.0	0.3805	mg/L	0.00634	0.3805	mg/L	0.00634	1.67%
Ti 334.940	85.5	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	153.19%
Ca 227.546	10759.9	37.026	mg/L	0.0638	37.026	mg/L	0.0638	0.17%

Sequence No.: 4
Sample ID: ICB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/6/2008 9:51:59 AM
Data Type: Reprocessed on 6/6/2008 1:23:54 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	932.7	0.0060	mg/L	0.00010	0.0060	mg/L	0.00010	1.75%
Al 308.215	200.1	0.0072	mg/L	0.00378	0.0072	mg/L	0.00378	52.65%
As 188.979	1.5	0.0010	mg/L	0.00038	0.0010	mg/L	0.00038	36.85%
Ba 233.527	36.2	0.0006	mg/L	0.00007	0.0006	mg/L	0.00007	11.73%
Be 313.107	-13.2	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	17.39%
Co 228.616	6.9	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	5.79%
Cr 267.716	4.4	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	126.94%
Cu 324.752	317.6	0.0018	mg/L	0.00012	0.0018	mg/L	0.00012	6.71%
Fe 273.955	-9.1	-0.0003	mg/L	0.00056	-0.0003	mg/L	0.00056	188.59%
Mg 279.077	7.1	0.0003	mg/L	0.00223	0.0003	mg/L	0.00223	681.21%
Mn 257.610	78.9	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	37.62%
Ni 231.604	4.3	0.0002	mg/L	0.00024	0.0002	mg/L	0.00024	152.44%
Pb 220.353	-1.1	-0.0002	mg/L	0.00029	-0.0002	mg/L	0.00029	144.92%
Sb 206.836	-1.3	-0.0006	mg/L	0.00160	-0.0006	mg/L	0.00160	269.90%
Se 196.026	1.8	0.0026	mg/L	0.00110	0.0026	mg/L	0.00110	42.04%
Tl 190.801	2.5	0.0015	mg/L	0.00147	0.0015	mg/L	0.00147	100.46%
V 292.402	44.0	0.0004	mg/L	0.00009	0.0004	mg/L	0.00009	21.30%
Zn 206.200	30.7	0.0011	mg/L	0.00026	0.0011	mg/L	0.00026	24.20%
Na 330.237	-36.4	-0.0330	mg/L	0.06130	-0.0330	mg/L	0.06130	185.97%
Cd 226.502	-2.8	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	33.35%
Ti 334.940	-47.4	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	31.93%
Ca 227.546	-10.5	-0.0363	mg/L	0.04855	-0.0363	mg/L	0.04855	133.75%

Sequence No.: 5
Sample ID: CRI
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/6/2008 9:55:06 AM
Data Type: Reprocessed on 6/6/2008 1:23:55 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	3849.6	0.0247	mg/L	0.00015	0.0247	mg/L	0.00015	0.61%
Al 308.215	322.8	0.0111	mg/L	0.00333	0.0111	mg/L	0.00333	30.02%
As 188.979	30.8	0.0221	mg/L	0.00098	0.0221	mg/L	0.00098	4.44%
Ba 233.527	4.0	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	2.08%
Be 313.107	17523.3	0.0098	mg/L	0.00001	0.0098	mg/L	0.00001	0.05%
Co 228.616	3709.9	0.1120	mg/L	0.00009	0.1120	mg/L	0.00009	0.08%
Cr 267.716	1286.5	0.0211	mg/L	0.00003	0.0211	mg/L	0.00003	0.14%
Cu 324.752	9093.8	0.0516	mg/L	0.00058	0.0516	mg/L	0.00058	1.12%
Fe 273.955	26.9	0.0009	mg/L	0.00053	0.0009	mg/L	0.00053	60.09%
Mg 279.077	-48.3	-0.0023	mg/L	0.00438	-0.0023	mg/L	0.00438	189.25%
Mn 257.610	17776.2	0.0329	mg/L	0.00031	0.0329	mg/L	0.00031	0.95%
Ni 231.604	2461.8	0.0897	mg/L	0.00015	0.0897	mg/L	0.00015	0.17%
Pb 220.353	31.0	0.0059	mg/L	0.00026	0.0059	mg/L	0.00026	4.38%
Sb 206.836	232.4	0.1076	mg/L	0.00155	0.1076	mg/L	0.00155	1.44%
Se 196.026	8.9	0.0128	mg/L	0.00010	0.0128	mg/L	0.00010	0.75%
Tl 190.801	37.4	0.0218	mg/L	0.00330	0.0218	mg/L	0.00330	15.11%
V 292.402	10383.7	0.1007	mg/L	0.00070	0.1007	mg/L	0.00070	0.69%
Zn 206.200	1235.7	0.0440	mg/L	0.00010	0.0440	mg/L	0.00010	0.24%
Na 330.237	-93.7	-0.0847	mg/L	0.15321	-0.0847	mg/L	0.15321	180.97%
Cd 226.502	397.6	0.0108	mg/L	0.00009	0.0108	mg/L	0.00009	0.80%
Ti 334.940	34.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	8.21%
Ca 227.546	20.1	0.0599	mg/L	0.02367	0.0599	mg/L	0.02367	39.54%

Sequence No.: 6
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/6/2008 9:58:09 AM
Data Type: Reprocessed on 6/6/2008 1:23:55 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-272.9	-0.0018	mg/L	0.00000	-0.0018	mg/L	0.00000	0.05%
Al 308.215	12923044.9	463.11	mg/L	4.100	463.11	mg/L	4.100	0.89%
As 188.979	-10.2	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	166.70%
Ba 233.527	100.0	0.0002	mg/L	0.00029	0.0002	mg/L	0.00029	184.46%
Be 313.107	-82.5	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	43.15%
Co 228.616	106.9	0.0079	mg/L	0.00011	0.0079	mg/L	0.00011	1.42%
Cr 267.716	60.5	0.0022	mg/L	0.00006	0.0022	mg/L	0.00006	2.76%
Cu 324.752	-1398.4	-0.0014	mg/L	0.00005	-0.0014	mg/L	0.00005	3.73%
Fe 273.955	5211366.1	171.64	mg/L	1.485	171.64	mg/L	1.485	0.86%
Mg 279.077	9686001.5	449.09	mg/L	4.105	449.09	mg/L	4.105	0.91%
Mn 257.610	7645.3	0.0052	mg/L	0.00024	0.0052	mg/L	0.00024	4.57%
Saturated outside survey window (code 6)								
Ni 231.604	103.0	0.0136	mg/L	0.00003	0.0136	mg/L	0.00003	0.23%
Pb 220.353	-80.1	-0.0004	mg/L	0.00044	-0.0004	mg/L	0.00044	101.93%
Sb 206.836	8.8	0.0015	mg/L	0.00250	0.0015	mg/L	0.00250	166.41%
Se 196.026	-41.1	0.0075	mg/L	0.00201	0.0075	mg/L	0.00201	26.96%
Tl 190.801	-32.9	0.0030	mg/L	0.00505	0.0030	mg/L	0.00505	166.39%
V 292.402	-1051.1	-0.0016	mg/L	0.00028	-0.0016	mg/L	0.00028	17.63%
Zn 206.200	167.9	0.0085	mg/L	0.00006	0.0085	mg/L	0.00006	0.72%
Na 330.237	414.8	-0.4011	mg/L	0.02484	-0.4011	mg/L	0.02484	6.19%
Cd 226.502	240.8	-0.0018	mg/L	0.00020	-0.0018	mg/L	0.00020	11.53%
Ti 334.940	2351.3	0.0064	mg/L	0.00006	0.0064	mg/L	0.00006	0.91%
Ca 227.546	139252.2	485.72	mg/L	2.844	485.72	mg/L	2.844	0.59%

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/6/2008 10:01:24 AM
Data Type: Reprocessed on 6/6/2008 1:23:56 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	29754.2	0.1904	mg/L	0.00053	0.1904	mg/L	0.00053	0.28%
Al 308.215	12642986.3	453.07	mg/L	4.331	453.07	mg/L	4.331	0.96%
As 188.979	111.3	0.0886	mg/L	0.00042	0.0886	mg/L	0.00042	0.48%
Ba 233.527	26760.9	0.4639	mg/L	0.00291	0.4639	mg/L	0.00291	0.63%
Be 313.107	789530.3	0.4409	mg/L	0.00194	0.4409	mg/L	0.00194	0.44%
Co 228.616	13864.3	0.4231	mg/L	0.00016	0.4231	mg/L	0.00016	0.04%
Cr 267.716	27026.5	0.4438	mg/L	0.00076	0.4438	mg/L	0.00076	0.17%
Cu 324.752	81906.2	0.4707	mg/L	0.00152	0.4707	mg/L	0.00152	0.32%
Fe 273.955	5110396.7	168.31	mg/L	1.777	168.31	mg/L	1.777	1.06%
Mg 279.077	9487317.6	439.88	mg/L	4.892	439.88	mg/L	4.892	1.11%
Mn 257.610	249521.8	0.4532	mg/L	0.00275	0.4532	mg/L	0.00275	0.61%
Ni 231.604	22812.9	0.8409	mg/L	0.00126	0.8409	mg/L	0.00126	0.15%
Pb 220.353	137.2	0.0402	mg/L	0.00020	0.0402	mg/L	0.00020	0.51%
Sb 206.836	1152.0	0.5250	mg/L	0.00032	0.5250	mg/L	0.00032	0.06%
Se 196.026	-14.6	0.0439	mg/L	0.00994	0.0439	mg/L	0.00994	22.68%
Tl 190.801	114.3	0.0885	mg/L	0.00355	0.0885	mg/L	0.00355	4.01%
V 292.402	44961.5	0.4449	mg/L	0.00105	0.4449	mg/L	0.00105	0.24%
Zn 206.200	23370.2	0.8354	mg/L	0.00444	0.8354	mg/L	0.00444	0.53%
Na 330.237	615.3	-0.2151	mg/L	0.03698	-0.2151	mg/L	0.03698	17.19%
Cd 226.502	31145.6	0.8344	mg/L	0.00596	0.8344	mg/L	0.00596	0.71%
Ti 334.940	2463.2	0.0064	mg/L	0.00006	0.0064	mg/L	0.00006	0.99%
Ca 227.546	138769.9	483.93	mg/L	1.313	483.93	mg/L	1.313	0.27%

Sequence No.: 8
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/6/2008 10:04:37 AM
Data Type: Reprocessed on 6/6/2008 1:23:56 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	194617.0	1.2455	mg/L	0.00921	1.2455	mg/L	0.00921	0.74%
Al 308.215	275651.4	9.8623	mg/L	0.07135	9.8623	mg/L	0.07135	0.72%
As 188.979	719.0	0.5178	mg/L	0.00141	0.5178	mg/L	0.00141	0.27%
Ba 233.527	610514.0	10.610	mg/L	0.0276	10.610	mg/L	0.0276	0.26%
Be 313.107	457998.9	0.2558	mg/L	0.00283	0.2558	mg/L	0.00283	1.11%
Co 228.616	87917.4	2.6536	mg/L	0.01938	2.6536	mg/L	0.01938	0.73%
Cr 267.716	63693.6	1.0428	mg/L	0.01021	1.0428	mg/L	0.01021	0.98%
Cu 324.752	218837.6	1.2406	mg/L	0.01032	1.2406	mg/L	0.01032	0.83%
Fe 273.955	158776.9	5.2294	mg/L	0.03737	5.2294	mg/L	0.03737	0.71%
Mg 279.077	560911.0	26.003	mg/L	0.2316	26.003	mg/L	0.2316	0.89%
Mn 257.610	1383313.3	2.5609	mg/L	0.03399	2.5609	mg/L	0.03399	1.33%
Ni 231.604	72637.3	2.6468	mg/L	0.02584	2.6468	mg/L	0.02584	0.98%
Pb 220.353	2731.9	0.5167	mg/L	0.00445	0.5167	mg/L	0.00445	0.86%
Sb 206.836	1118.2	0.5038	mg/L	0.00583	0.5038	mg/L	0.00583	1.16%
Se 196.026	352.1	0.5074	mg/L	0.00629	0.5074	mg/L	0.00629	1.24%
Tl 190.801	875.6	0.5123	mg/L	0.00190	0.5123	mg/L	0.00190	0.37%
V 292.402	261304.5	2.5353	mg/L	0.02591	2.5353	mg/L	0.02591	1.02%
Zn 206.200	73391.3	2.6149	mg/L	0.01632	2.6149	mg/L	0.01632	0.62%
Na 330.237	25960.9	23.420	mg/L	0.1893	23.420	mg/L	0.1893	0.81%
Cd 226.502	9535.0	0.2583	mg/L	0.00187	0.2583	mg/L	0.00187	0.72%
Ti 334.940	181.0	0.0001	mg/L	0.00031	0.0001	mg/L	0.00031	220.64%
Ca 227.546	7143.1	24.578	mg/L	0.2410	24.578	mg/L	0.2410	0.98%

Sequence No.: 9
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/6/2008 10:07:49 AM
Data Type: Reprocessed on 6/6/2008 1:23:57 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	157.3	0.0010	mg/L	0.00032	0.0010	mg/L	0.00032	32.03%
Al 308.215	418.1	0.0150	mg/L	0.00158	0.0150	mg/L	0.00158	10.57%
As 188.979	1.3	0.0009	mg/L	0.00305	0.0009	mg/L	0.00305	337.80%
Ba 233.527	23.8	0.0004	mg/L	0.00010	0.0004	mg/L	0.00010	24.08%
Be 313.107	-75.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.80%
Co 228.616	5.9	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	20.48%
Cr 267.716	12.5	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	6.14%
Cu 324.752	509.0	0.0029	mg/L	0.00008	0.0029	mg/L	0.00008	2.61%
Fe 273.955	70.4	0.0023	mg/L	0.00022	0.0023	mg/L	0.00022	9.48%
Mg 279.077	62.1	0.0029	mg/L	0.00144	0.0029	mg/L	0.00144	50.06%
Mn 257.610	37.3	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	16.40%
Ni 231.604	3.5	0.0001	mg/L	0.00020	0.0001	mg/L	0.00020	155.90%
Pb 220.353	-4.6	-0.0009	mg/L	0.00086	-0.0009	mg/L	0.00086	97.35%
Sb 206.836	1.4	0.0006	mg/L	0.00081	0.0006	mg/L	0.00081	125.00%
Se 196.026	-1.4	-0.0020	mg/L	0.00145	-0.0020	mg/L	0.00145	72.33%
Tl 190.801	2.5	0.0015	mg/L	0.00007	0.0015	mg/L	0.00007	4.51%
V 292.402	16.0	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	22.86%
Zn 206.200	26.2	0.0009	mg/L	0.00009	0.0009	mg/L	0.00009	9.18%
Na 330.237	-129.7	-0.1172	mg/L	0.01325	-0.1172	mg/L	0.01325	11.30%
Cd 226.502	1.7	0.0000	mg/L	0.00011	0.0000	mg/L	0.00011	247.23%
Ti 334.940	-6.3	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	277.39%
Ca 227.546	4.1	0.0143	mg/L	0.02551	0.0143	mg/L	0.02551	177.88%

Sequence No.: 10
Autosampler Location: 38

Sample ID: MB-36914,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Date Collected: 6/6/2008 10:10:55 AM
Data Type: Reprocessed on 6/6/2008 1:23:57 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	644.7	0.0041	mg/L	0.00009	0.0041	mg/L	0.00009	2.13%
Al 308.215	641.7	0.0230	mg/L	0.00302	0.0230	mg/L	0.00302	13.13%
As 188.979	-0.9	-0.0006	mg/L	0.00017	-0.0006	mg/L	0.00017	26.75%
Ba 233.527	45.6	0.0008	mg/L	0.00001	0.0008	mg/L	0.00001	1.63%
Be 313.107	-69.8	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	27.26%
Co 228.616	6.6	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	29.07%
Cr 267.716	8.7	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	15.76%
Cu 324.752	803.4	0.0046	mg/L	0.00056	0.0046	mg/L	0.00056	12.32%
Fe 273.955	1582.3	0.0521	mg/L	0.00203	0.0521	mg/L	0.00203	3.89%
Mg 279.077	26.2	0.0012	mg/L	0.00304	0.0012	mg/L	0.00304	250.49%
Mn 257.610	1796.0	0.0033	mg/L	0.00013	0.0033	mg/L	0.00013	3.80%
Ni 231.604	6.3	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	46.34%
Pb 220.353	1.0	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	25.72%
Sb 206.836	2.7	0.0013	mg/L	0.00189	0.0013	mg/L	0.00189	150.94%
Se 196.026	-0.9	-0.0013	mg/L	0.00400	-0.0013	mg/L	0.00400	315.63%
Tl 190.801	0.5	0.0003	mg/L	0.00032	0.0003	mg/L	0.00032	110.58%
V 292.402	17.4	0.0002	mg/L	0.00036	0.0002	mg/L	0.00036	213.40%
Zn 206.200	92.7	0.0033	mg/L	0.00069	0.0033	mg/L	0.00069	20.91%
Na 330.237	-18.3	-0.0164	mg/L	0.15343	-0.0164	mg/L	0.15343	935.84%
Cd 226.502	6.8	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	60.12%
Ti 334.940	163.1	0.0003	mg/L	0.00016	0.0003	mg/L	0.00016	62.89%
Ca 227.546	15.3	0.0541	mg/L	0.01557	0.0541	mg/L	0.01557	28.79%

Sequence No.: 11
Sample ID: LCS-36914,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 6/6/2008 10:14:04 AM
Data Type: Reprocessed on 6/6/2008 1:23:58 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-36914,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	187102.7	1.1974	mg/L	0.02690	1.1974	mg/L	0.02690	2.25%
Al 308.215	267856.5	9.5837	mg/L	0.18975	9.5837	mg/L	0.18975	1.98%
As 188.979	699.4	0.5035	mg/L	0.00110	0.5035	mg/L	0.00110	0.22%
Ba 233.527	566823.9	9.8509	mg/L	0.10300	9.8509	mg/L	0.10300	1.05%
Be 313.107	449121.6	0.2509	mg/L	0.00494	0.2509	mg/L	0.00494	1.97%
Co 228.616	84067.2	2.5374	mg/L	0.05234	2.5374	mg/L	0.05234	2.06%
Cr 267.716	60908.1	0.9972	mg/L	0.02581	0.9972	mg/L	0.02581	2.59%
Cu 324.752	208896.0	1.1842	mg/L	0.03016	1.1842	mg/L	0.03016	2.55%
Fe 273.955	152912.5	5.0363	mg/L	0.09810	5.0363	mg/L	0.09810	1.95%
Mg 279.077	534218.2	24.765	mg/L	0.4941	24.765	mg/L	0.4941	2.00%
Mn 257.610	1356411.6	2.5112	mg/L	0.05612	2.5112	mg/L	0.05612	2.23%
Ni 231.604	69391.7	2.5285	mg/L	0.06459	2.5285	mg/L	0.06459	2.55%
Pb 220.353	2685.9	0.5080	mg/L	0.00027	0.5080	mg/L	0.00027	0.05%
Sb 206.836	1136.4	0.5129	mg/L	0.00064	0.5129	mg/L	0.00064	0.12%
Se 196.026	358.8	0.5171	mg/L	0.00698	0.5171	mg/L	0.00698	1.35%
Tl 190.801	875.0	0.5121	mg/L	0.00020	0.5121	mg/L	0.00020	0.04%
V 292.402	250365.6	2.4291	mg/L	0.03382	2.4291	mg/L	0.03382	1.39%
Zn 206.200	72209.3	2.5727	mg/L	0.04983	2.5727	mg/L	0.04983	1.94%
Na 330.237	24878.5	22.443	mg/L	0.3968	22.443	mg/L	0.3968	1.77%
Cd 226.502	9546.5	0.2586	mg/L	0.00269	0.2586	mg/L	0.00269	1.04%
Ti 334.940	101.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	69.00%
Ca 227.546	6892.9	23.720	mg/L	0.0508	23.720	mg/L	0.0508	0.21%

Sequence No.: 12
Sample ID: G0859-01C,36914

Autosampler Location: 40
Date Collected: 6/6/2008 10:17:15 AM

Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 6/6/2008 1:23:58 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0859-01C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	541.6	0.0035	mg/L	0.00042	0.0035	mg/L	0.00042	12.21%
Al 308.215	3703.5	0.1304	mg/L	0.00469	0.1304	mg/L	0.00469	3.60%
As 188.979	1.0	0.0010	mg/L	0.00040	0.0010	mg/L	0.00040	40.72%
Ba 233.527	2533.0	0.0440	mg/L	0.00013	0.0440	mg/L	0.00013	0.30%
Be 313.107	-44.6	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	64.04%
Co 228.616	22.1	0.0007	mg/L	0.00002	0.0007	mg/L	0.00002	2.75%
Cr 267.716	1014.5	0.0166	mg/L	0.00004	0.0166	mg/L	0.00004	0.26%
Cu 324.752	923.7	0.0052	mg/L	0.00037	0.0052	mg/L	0.00037	7.10%
Fe 273.955	11026.7	0.3632	mg/L	0.00206	0.3632	mg/L	0.00206	0.57%
Mg 279.077	74391.2	3.4491	mg/L	0.00781	3.4491	mg/L	0.00781	0.23%
Mn 257.610	16177.0	0.0299	mg/L	0.00004	0.0299	mg/L	0.00004	0.14%
Ni 231.604	320.6	0.0118	mg/L	0.00024	0.0118	mg/L	0.00024	2.05%
Pb 220.353	5.0	0.0009	mg/L	0.00047	0.0009	mg/L	0.00047	50.71%
Sb 206.836	3.5	0.0014	mg/L	0.00166	0.0014	mg/L	0.00166	121.36%
Se 196.026	0.2	0.0001	mg/L	0.00171	0.0001	mg/L	0.00171	>999.9%
Tl 190.801	0.1	0.0002	mg/L	0.00087	0.0002	mg/L	0.00087	398.84%
V 292.402	75.8	0.0008	mg/L	0.00025	0.0008	mg/L	0.00025	31.92%
Zn 206.200	552.1	0.0197	mg/L	0.00030	0.0197	mg/L	0.00030	1.53%
Na 330.237	10035.3	9.0524	mg/L	0.05964	9.0524	mg/L	0.05964	0.66%
Cd 226.502	1.2	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	165.37%
Ti 334.940	1880.0	0.0031	mg/L	0.00008	0.0031	mg/L	0.00008	2.58%
Ca 227.546	3861.5	13.383	mg/L	0.0463	13.383	mg/L	0.0463	0.35%

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Sequence No.: 13
Sample ID: G0859-02C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 6/6/2008 10:20:20 AM
Data Type: Reprocessed on 6/6/2008 1:23:59 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0859-02C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	533.0	0.0034	mg/L	0.00013	0.0034	mg/L	0.00013	3.74%
Al 308.215	557.1	0.0200	mg/L	0.00027	0.0200	mg/L	0.00027	1.34%
As 188.979	2.7	0.0019	mg/L	0.00050	0.0019	mg/L	0.00050	25.92%
Ba 233.527	43.1	0.0007	mg/L	0.00007	0.0007	mg/L	0.00007	9.67%
Be 313.107	-49.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	81.20%
Co 228.616	2.1	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	103.81%
Cr 267.716	22.4	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	19.26%
Cu 324.752	486.3	0.0028	mg/L	0.00017	0.0028	mg/L	0.00017	5.99%
Fe 273.955	443.6	0.0146	mg/L	0.00037	0.0146	mg/L	0.00037	2.50%
Mg 279.077	119.4	0.0055	mg/L	0.00089	0.0055	mg/L	0.00089	16.14%
Mn 257.610	943.0	0.0017	mg/L	0.00006	0.0017	mg/L	0.00006	3.17%
Ni 231.604	15.0	0.0005	mg/L	0.00017	0.0005	mg/L	0.00017	30.78%
Pb 220.353	-2.4	-0.0005	mg/L	0.00042	-0.0005	mg/L	0.00042	92.11%
Sb 206.836	0.8	0.0003	mg/L	0.00054	0.0003	mg/L	0.00054	156.28%
Se 196.026	-1.8	-0.0025	mg/L	0.00365	-0.0025	mg/L	0.00365	144.68%
Tl 190.801	0.1	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	151.47%
V 292.402	-1.4	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	636.39%
Zn 206.200	1467.4	0.0522	mg/L	0.00012	0.0522	mg/L	0.00012	0.23%
Na 330.237	-9.6	-0.0086	mg/L	0.08495	-0.0086	mg/L	0.08495	988.93%
Cd 226.502	5.8	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	7.82%
Ti 334.940	94.6	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	12.77%
Ca 227.546	6.2	0.0216	mg/L	0.01062	0.0216	mg/L	0.01062	49.15%

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Sequence No.: 14
Sample ID: G0859-03C,36914
Analyst:

Autosampler Location: 42
Date Collected: 6/6/2008 10:23:25 AM
Data Type: Reprocessed on 6/6/2008 1:23:59 PM

Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: G0859-03C,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	350.2	0.0022	mg/L	0.00009	0.0022	mg/L	0.00009	4.03%
Al 308.215	1125.7	0.0381	mg/L	0.00423	0.0381	mg/L	0.00423	11.12%
As 188.979	3.3	0.0025	mg/L	0.00060	0.0025	mg/L	0.00060	23.88%
Ba 233.527	1955.6	0.0340	mg/L	0.00015	0.0340	mg/L	0.00015	0.43%
Be 313.107	-42.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	74.43%
Co 228.616	7.1	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	48.26%
Cr 267.716	428.8	0.0070	mg/L	0.00006	0.0070	mg/L	0.00006	0.82%
Cu 324.752	537.6	0.0030	mg/L	0.00014	0.0030	mg/L	0.00014	4.71%
Fe 273.955	3944.8	0.1299	mg/L	0.00148	0.1299	mg/L	0.00148	1.14%
Mg 279.077	61211.6	2.8380	mg/L	0.02554	2.8380	mg/L	0.02554	0.90%
Mn 257.610	3719.8	0.0068	mg/L	0.00008	0.0068	mg/L	0.00008	1.13%
Ni 231.604	143.0	0.0053	mg/L	0.00007	0.0053	mg/L	0.00007	1.34%
Pb 220.353	2.9	0.0006	mg/L	0.00029	0.0006	mg/L	0.00029	52.58%
Sb 206.836	1.6	0.0006	mg/L	0.00114	0.0006	mg/L	0.00114	183.35%
Se 196.026	0.4	0.0004	mg/L	0.00270	0.0004	mg/L	0.00270	658.61%
Tl 190.801	-1.4	-0.0007	mg/L	0.00113	-0.0007	mg/L	0.00113	168.00%
V 292.402	36.5	0.0004	mg/L	0.00020	0.0004	mg/L	0.00020	54.46%
Zn 206.200	391.9	0.0140	mg/L	0.00017	0.0140	mg/L	0.00017	1.22%
Na 330.237	12432.6	11.216	mg/L	0.2055	11.216	mg/L	0.2055	1.83%
Cd 226.502	7.2	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	89.12%
Ti 334.940	222.5	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	8.32%
Ca 227.546	3769.3	13.060	mg/L	0.0581	13.060	mg/L	0.0581	0.44%

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Sequence No.: 15 Autosampler Location: 43
Sample ID: G0859-03CSD,36914 Date Collected: 6/6/2008 10:26:30 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:24:00 PM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: G0859-03CSD,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	41.2	0.0003	mg/L	0.00016	0.0003	mg/L	0.00016	59.51%
Al 308.215	625.3	0.0220	mg/L	0.00029	0.0220	mg/L	0.00029	1.33%
As 188.979	-0.3	-0.0002	mg/L	0.00250	-0.0002	mg/L	0.00250	>999.9%
Ba 233.527	402.2	0.0070	mg/L	0.00007	0.0070	mg/L	0.00007	1.07%
Be 313.107	-23.8	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	83.98%
Co 228.616	3.5	0.0001	mg/L	0.00019	0.0001	mg/L	0.00019	157.96%
Cr 267.716	92.3	0.0015	mg/L	0.00019	0.0015	mg/L	0.00019	12.60%
Cu 324.752	256.8	0.0015	mg/L	0.00020	0.0015	mg/L	0.00020	13.52%
Fe 273.955	828.4	0.0273	mg/L	0.00067	0.0273	mg/L	0.00067	2.44%
Mg 279.077	12487.1	0.5790	mg/L	0.00167	0.5790	mg/L	0.00167	0.29%
Mn 257.610	722.9	0.0013	mg/L	0.00002	0.0013	mg/L	0.00002	1.37%
Ni 231.604	25.3	0.0009	mg/L	0.00018	0.0009	mg/L	0.00018	18.77%
Pb 220.353	-6.4	-0.0012	mg/L	0.00024	-0.0012	mg/L	0.00024	20.23%
Sb 206.836	-0.6	-0.0003	mg/L	0.00235	-0.0003	mg/L	0.00235	784.41%
Se 196.026	2.3	0.0032	mg/L	0.00283	0.0032	mg/L	0.00283	87.65%
Tl 190.801	-1.5	-0.0009	mg/L	0.00058	-0.0009	mg/L	0.00058	65.59%
V 292.402	4.7	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	68.91%
Zn 206.200	161.0	0.0057	mg/L	0.00010	0.0057	mg/L	0.00010	1.80%
Na 330.237	2243.7	2.0239	mg/L	0.07666	2.0239	mg/L	0.07666	3.79%
Cd 226.502	2.6	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	72.20%
Ti 334.940	27.8	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	19.31%
Ca 227.546	718.8	2.4906	mg/L	0.00488	2.4906	mg/L	0.00488	0.20%

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Sequence No.: 16 Autosampler Location: 3
Sample ID: CCV Date Collected: 6/6/2008 10:29:35 AM
Analyst: Data Type: Reprocessed on 6/6/2008 1:24:00 PM
Logged In Analyst (Original) : optima3

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	200211.1	1.2813	mg/L	0.01114	1.2813	mg/L	0.01114	0.87%
Al 308.215	283047.4	10.127	mg/L	0.0732	10.127	mg/L	0.0732	0.72%
As 188.979	741.7	0.5341	mg/L	0.00170	0.5341	mg/L	0.00170	0.32%
Ba 233.527	623695.6	10.839	mg/L	0.0796	10.839	mg/L	0.0796	0.73%
Be 313.107	470650.9	0.2629	mg/L	0.00239	0.2629	mg/L	0.00239	0.91%
Co 228.616	90893.7	2.7435	mg/L	0.02696	2.7435	mg/L	0.02696	0.98%
Cr 267.716	65680.6	1.0754	mg/L	0.01010	1.0754	mg/L	0.01010	0.94%
Cu 324.752	224131.9	1.2706	mg/L	0.00767	1.2706	mg/L	0.00767	0.60%
Fe 273.955	163544.6	5.3864	mg/L	0.03122	5.3864	mg/L	0.03122	0.58%
Mg 279.077	577696.1	26.781	mg/L	0.2783	26.781	mg/L	0.2783	1.04%
Mn 257.610	1423345.2	2.6350	mg/L	0.03133	2.6350	mg/L	0.03133	1.19%
Ni 231.604	75152.0	2.7384	mg/L	0.01832	2.7384	mg/L	0.01832	0.67%
Pb 220.353	2791.5	0.5280	mg/L	0.00040	0.5280	mg/L	0.00040	0.08%
Sb 206.836	1136.5	0.5118	mg/L	0.00162	0.5118	mg/L	0.00162	0.32%
Se 196.026	363.1	0.5233	mg/L	0.00878	0.5233	mg/L	0.00878	1.68%
Tl 190.801	897.4	0.5250	mg/L	0.00083	0.5250	mg/L	0.00083	0.16%
V 292.402	268816.7	2.6082	mg/L	0.02543	2.6082	mg/L	0.02543	0.98%
Zn 206.200	75933.0	2.7054	mg/L	0.01568	2.7054	mg/L	0.01568	0.58%
Na 330.237	26699.1	24.086	mg/L	0.1349	24.086	mg/L	0.1349	0.56%
Cd 226.502	9813.7	0.2658	mg/L	0.00197	0.2658	mg/L	0.00197	0.74%
Ti 334.940	47.8	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	99.21%
Ca 227.546	7242.9	24.918	mg/L	0.0294	24.918	mg/L	0.0294	0.12%

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Sequence No.: 17
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/6/2008 10:32:46 AM
Data Type: Reprocessed on 6/6/2008 1:24:01 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	72.5	0.0005	mg/L	0.00027	0.0005	mg/L	0.00027	57.61%
Al 308.215	450.1	0.0161	mg/L	0.00201	0.0161	mg/L	0.00201	12.45%
As 188.979	0.9	0.0007	mg/L	0.00018	0.0007	mg/L	0.00018	27.22%
Ba 233.527	18.5	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.02%
Be 313.107	-65.4	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	91.17%
Co 228.616	8.5	0.0003	mg/L	0.00015	0.0003	mg/L	0.00015	57.31%
Cr 267.716	9.4	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	7.13%
Cu 324.752	350.2	0.0020	mg/L	0.00029	0.0020	mg/L	0.00029	14.80%
Fe 273.955	36.6	0.0012	mg/L	0.00017	0.0012	mg/L	0.00017	13.98%
Mg 279.077	-21.3	-0.0010	mg/L	0.00087	-0.0010	mg/L	0.00087	88.31%
Mn 257.610	39.6	0.0001	mg/L	0.00000	0.0001	mg/L	0.00000	1.69%
Ni 231.604	3.7	0.0001	mg/L	0.00032	0.0001	mg/L	0.00032	239.05%
Pb 220.353	1.5	0.0003	mg/L	0.00016	0.0003	mg/L	0.00016	57.83%
Sb 206.836	-0.5	-0.0003	mg/L	0.00132	-0.0003	mg/L	0.00132	524.98%
Se 196.026	-0.9	-0.0013	mg/L	0.00323	-0.0013	mg/L	0.00323	250.19%
Tl 190.801	0.4	0.0002	mg/L	0.00072	0.0002	mg/L	0.00072	343.40%
V 292.402	1.7	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	>999.9%
Zn 206.200	25.3	0.0009	mg/L	0.00005	0.0009	mg/L	0.00005	5.40%
Na 330.237	-79.3	-0.0716	mg/L	0.02823	-0.0716	mg/L	0.02823	39.41%
Cd 226.502	2.5	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	148.31%
Ti 334.940	-17.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	71.60%
Ca 227.546	-6.4	-0.0222	mg/L	0.00015	-0.0222	mg/L	0.00015	0.66%

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Sequence No.: 18
Sample ID: G0846-02C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:

Autosampler Location: 44
Date Collected: 6/6/2008 10:35:53 AM
Data Type: Reprocessed on 6/6/2008 1:24:01 PM

Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: G0846-02C,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	351.9	0.0022	mg/L	0.00005	0.0022	mg/L	0.00005	2.09%
Al 308.215	976.4	0.0321	mg/L	0.00166	0.0321	mg/L	0.00166	5.17%
As 188.979	-0.7	-0.0002	mg/L	0.00076	-0.0002	mg/L	0.00076	314.94%
Ba 233.527	2590.4	0.0450	mg/L	0.00011	0.0450	mg/L	0.00011	0.25%
Be 313.107	-86.8	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	59.24%
Co 228.616	10.5	0.0004	mg/L	0.00019	0.0004	mg/L	0.00019	47.13%
Cr 267.716	827.8	0.0136	mg/L	0.00001	0.0136	mg/L	0.00001	0.05%
Cu 324.752	985.3	0.0056	mg/L	0.00025	0.0056	mg/L	0.00025	4.42%
Fe 273.955	2410.5	0.0794	mg/L	0.00239	0.0794	mg/L	0.00239	3.01%
Mg 279.077	112426.7	5.2126	mg/L	0.02634	5.2126	mg/L	0.02634	0.51%
Mn 257.610	9950.6	0.0183	mg/L	0.00005	0.0183	mg/L	0.00005	0.25%
Ni 231.604	276.7	0.0102	mg/L	0.00001	0.0102	mg/L	0.00001	0.05%
Pb 220.353	17.8	0.0034	mg/L	0.00067	0.0034	mg/L	0.00067	19.93%
Sb 206.836	2.2	0.0008	mg/L	0.00100	0.0008	mg/L	0.00100	123.15%
Se 196.026	-1.4	-0.0022	mg/L	0.00244	-0.0022	mg/L	0.00244	109.00%
Tl 190.801	-0.7	-0.0002	mg/L	0.00041	-0.0002	mg/L	0.00041	216.24%
V 292.402	32.1	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	10.84%
Zn 206.200	760.4	0.0271	mg/L	0.00027	0.0271	mg/L	0.00027	0.98%
Na 330.237	11465.7	10.339	mg/L	0.1947	10.339	mg/L	0.1947	1.88%
Cd 226.502	8.7	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	9.47%
Ti 334.940	80.5	0.0002	mg/L	0.00018	0.0002	mg/L	0.00018	83.51%
Ca 227.546	4527.3	15.684	mg/L	0.0619	15.684	mg/L	0.0619	0.39%

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Sequence No.: 19
Sample ID: G0846-02CDUP,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/6/2008 10:38:58 AM
Data Type: Reprocessed on 6/6/2008 1:24:02 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CDUP,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	249.5	0.0016	mg/L	0.00015	0.0016	mg/L	0.00015	9.69%
Al 308.215	1031.8	0.0340	mg/L	0.00608	0.0340	mg/L	0.00608	17.88%
As 188.979	-0.2	0.0001	mg/L	0.00073	0.0001	mg/L	0.00073	581.26%
Ba 233.527	2624.3	0.0456	mg/L	0.00141	0.0456	mg/L	0.00141	3.09%
Be 313.107	-99.3	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	46.89%
Co 228.616	6.1	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	14.59%
Cr 267.716	843.6	0.0138	mg/L	0.00009	0.0138	mg/L	0.00009	0.63%
Cu 324.752	828.3	0.0047	mg/L	0.00050	0.0047	mg/L	0.00050	10.68%
Fe 273.955	9293.5	0.3061	mg/L	0.00311	0.3061	mg/L	0.00311	1.02%
Mg 279.077	111175.8	5.1546	mg/L	0.08292	5.1546	mg/L	0.08292	1.61%
Mn 257.610	10298.9	0.0190	mg/L	0.00012	0.0190	mg/L	0.00012	0.62%
Ni 231.604	273.9	0.0101	mg/L	0.00001	0.0101	mg/L	0.00001	0.14%
Pb 220.353	15.0	0.0028	mg/L	0.00052	0.0028	mg/L	0.00052	18.48%
Sb 206.836	1.6	0.0005	mg/L	0.00004	0.0005	mg/L	0.00004	7.56%
Se 196.026	-1.7	-0.0026	mg/L	0.00013	-0.0026	mg/L	0.00013	5.02%
Tl 190.801	0.1	0.0003	mg/L	0.00045	0.0003	mg/L	0.00045	158.83%
V 292.402	14.8	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	86.76%
Zn 206.200	720.5	0.0257	mg/L	0.00007	0.0257	mg/L	0.00007	0.27%
Na 330.237	11346.5	10.231	mg/L	0.1314	10.231	mg/L	0.1314	1.28%
Cd 226.502	3.2	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	195.86%
Ti 334.940	-9.9	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	176.69%
Ca 227.546	4565.0	15.819	mg/L	0.0709	15.819	mg/L	0.0709	0.45%

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Sequence No.: 20
Sample ID: G0846-02CMS,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 6/6/2008 10:42:03 AM
Data Type: Reprocessed on 6/6/2008 1:24:02 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CMS,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	8742.7	0.0560	mg/L	0.00086	0.0560	mg/L	0.00086	1.53%
Al 308.215	60587.0	2.1662	mg/L	0.04640	2.1662	mg/L	0.04640	2.14%
As 188.979	65.9	0.0482	mg/L	0.00055	0.0482	mg/L	0.00055	1.14%
Ba 233.527	139672.7	2.4274	mg/L	0.04650	2.4274	mg/L	0.04650	1.92%
Be 313.107	103139.8	0.0576	mg/L	0.00117	0.0576	mg/L	0.00117	2.02%
Co 228.616	19960.0	0.6025	mg/L	0.01266	0.6025	mg/L	0.01266	2.10%
Cr 267.716	14901.6	0.2440	mg/L	0.00425	0.2440	mg/L	0.00425	1.74%
Cu 324.752	50760.1	0.2877	mg/L	0.00433	0.2877	mg/L	0.00433	1.50%
Fe 273.955	38059.6	1.2535	mg/L	0.03140	1.2535	mg/L	0.03140	2.50%
Mg 279.077	113803.4	5.2756	mg/L	0.12123	5.2756	mg/L	0.12123	2.30%
Mn 257.610	326392.2	0.6043	mg/L	0.01450	0.6043	mg/L	0.01450	2.40%
Ni 231.604	16916.5	0.6165	mg/L	0.01185	0.6165	mg/L	0.01185	1.92%
Pb 220.353	145.0	0.0274	mg/L	0.00069	0.0274	mg/L	0.00069	2.51%
Sb 206.836	250.6	0.1127	mg/L	0.00166	0.1127	mg/L	0.00166	1.47%
Se 196.026	9.5	0.0135	mg/L	0.00355	0.0135	mg/L	0.00355	26.27%
Tl 190.801	100.6	0.0586	mg/L	0.00054	0.0586	mg/L	0.00054	0.92%
V 292.402	57623.8	0.5591	mg/L	0.00955	0.5591	mg/L	0.00955	1.71%
Zn 206.200	17422.2	0.6207	mg/L	0.01544	0.6207	mg/L	0.01544	2.49%
Na 330.237	11828.6	10.666	mg/L	0.1804	10.666	mg/L	0.1804	1.69%
Cd 226.502	202.8	0.0056	mg/L	0.00014	0.0056	mg/L	0.00014	2.57%
Ti 334.940	108.2	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	5.21%
Ca 227.546	4594.0	15.879	mg/L	0.0810	15.879	mg/L	0.0810	0.51%

Sequence No.: 21
Sample ID: G0846-02CSD,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 6/6/2008 10:45:09 AM
Data Type: Reprocessed on 6/6/2008 1:24:03 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CSD,36914

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	19.7	0.0001	mg/L	0.00019	0.0001	mg/L	0.00019	152.51%
Al 308.215	484.5	0.0168	mg/L	0.00325	0.0168	mg/L	0.00325	19.32%
As 188.979	0.0	0.0001	mg/L	0.00122	0.0001	mg/L	0.00122	>999.9%
Ba 233.527	533.3	0.0093	mg/L	0.00009	0.0093	mg/L	0.00009	0.98%
Be 313.107	-105.8	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	88.78%
Co 228.616	2.9	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	30.53%
Cr 267.716	171.2	0.0028	mg/L	0.00010	0.0028	mg/L	0.00010	3.64%
Cu 324.752	263.6	0.0015	mg/L	0.00003	0.0015	mg/L	0.00003	1.71%
Fe 273.955	483.8	0.0159	mg/L	0.00056	0.0159	mg/L	0.00056	3.49%
Mg 279.077	22504.8	1.0434	mg/L	0.01604	1.0434	mg/L	0.01604	1.54%
Mn 257.610	2025.0	0.0037	mg/L	0.00007	0.0037	mg/L	0.00007	1.81%
Ni 231.604	53.0	0.0019	mg/L	0.00008	0.0019	mg/L	0.00008	4.25%
Pb 220.353	5.3	0.0010	mg/L	0.00019	0.0010	mg/L	0.00019	18.90%
Sb 206.836	1.4	0.0006	mg/L	0.00065	0.0006	mg/L	0.00065	111.43%
Se 196.026	-1.2	-0.0017	mg/L	0.00085	-0.0017	mg/L	0.00085	48.71%
Tl 190.801	1.5	0.0009	mg/L	0.00018	0.0009	mg/L	0.00018	19.00%
V 292.402	-4.8	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	239.01%
Zn 206.200	226.0	0.0081	mg/L	0.00014	0.0081	mg/L	0.00014	1.69%
Na 330.237	2061.7	1.8587	mg/L	0.09131	1.8587	mg/L	0.09131	4.91%
Cd 226.502	1.8	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	344.84%
Ti 334.940	-26.5	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	119.21%
Ca 227.546	861.7	2.9851	mg/L	0.03156	2.9851	mg/L	0.03156	1.06%

Sequence No.: 22
Sample ID: CRI
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/6/2008 10:48:15 AM
Data Type: Reprocessed on 6/6/2008 1:24:03 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Ag 328.068	3293.7	0.0211	mg/L	0.00028	0.0211	mg/L	0.00028	1.32%
Al 308.215	405.2	0.0141	mg/L	0.00003	0.0141	mg/L	0.00003	0.24%
As 188.979	28.2	0.0202	mg/L	0.00048	0.0202	mg/L	0.00048	2.38%
Ba 233.527	-5.9	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	293.73%
Be 313.107	18015.7	0.0101	mg/L	0.00002	0.0101	mg/L	0.00002	0.20%
Co 228.616	3867.7	0.1167	mg/L	0.00041	0.1167	mg/L	0.00041	0.35%
Cr 267.716	1313.0	0.0215	mg/L	0.00014	0.0215	mg/L	0.00014	0.67%
Cu 324.752	9249.6	0.0524	mg/L	0.00013	0.0524	mg/L	0.00013	0.25%
Fe 273.955	48.1	0.0016	mg/L	0.00015	0.0016	mg/L	0.00015	9.60%
Mg 279.077	-11.7	-0.0006	mg/L	0.00149	-0.0006	mg/L	0.00149	240.48%
Mn 257.610	18373.7	0.0340	mg/L	0.00023	0.0340	mg/L	0.00023	0.69%
Ni 231.604	2514.6	0.0916	mg/L	0.00004	0.0916	mg/L	0.00004	0.04%
Pb 220.353	33.9	0.0064	mg/L	0.00038	0.0064	mg/L	0.00038	5.96%
Sb 206.836	238.0	0.1102	mg/L	0.00101	0.1102	mg/L	0.00101	0.92%
Se 196.026	1.6	0.0023	mg/L	0.00696	0.0023	mg/L	0.00696	303.93%
Tl 190.801	36.2	0.0211	mg/L	0.00082	0.0211	mg/L	0.00082	3.87%
V 292.402	10657.7	0.1034	mg/L	0.00006	0.1034	mg/L	0.00006	0.06%
Zn 206.200	1267.0	0.0451	mg/L	0.00006	0.0451	mg/L	0.00006	0.14%
Na 330.237	-114.2	-0.1033	mg/L	0.07712	-0.1033	mg/L	0.07712	74.69%
Cd 226.502	406.2	0.0110	mg/L	0.00000	0.0110	mg/L	0.00000	0.03%
Ti 334.940	-47.0	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	38.44%
Ca 227.546	-9.9	-0.0444	mg/L	0.00602	-0.0444	mg/L	0.00602	13.55%

Sequence No.: 23
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/6/2008 10:51:19 AM
Data Type: Reprocessed on 6/6/2008 1:24:04 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Ag 328.068	-501.7	-0.0032	mg/L	0.00013	-0.0032	mg/L	0.00013	4.11%
Al 308.215	12997836.6	465.79	mg/L	4.344	465.79	mg/L	4.344	0.93%
As 188.979	-9.4	0.0007	mg/L	0.00295	0.0007	mg/L	0.00295	399.63%
Ba 233.527	97.7	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	94.18%
Be 313.107	-125.7	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	37.15%
Co 228.616	104.8	0.0079	mg/L	0.00002	0.0079	mg/L	0.00002	0.30%
Cr 267.716	63.2	0.0022	mg/L	0.00002	0.0022	mg/L	0.00002	1.13%
Cu 324.752	-1610.6	-0.0026	mg/L	0.00011	-0.0026	mg/L	0.00011	4.27%
Fe 273.955	5224203.8	172.06	mg/L	1.685	172.06	mg/L	1.685	0.98%
Mg 279.077	9709661.1	450.19	mg/L	4.705	450.19	mg/L	4.705	1.05%
Mn 257.610	7672.4	0.0052	mg/L	0.00016	0.0052	mg/L	0.00016	3.04%
Saturated outside survey window (code 6)								
Ni 231.604	106.6	0.0138	mg/L	0.00031	0.0138	mg/L	0.00031	2.25%
Pb 220.353	-90.1	-0.0022	mg/L	0.00233	-0.0022	mg/L	0.00233	105.10%
Sb 206.836	14.1	0.0039	mg/L	0.00024	0.0039	mg/L	0.00024	6.08%
Se 196.026	-52.2	-0.0084	mg/L	0.00743	-0.0084	mg/L	0.00743	88.17%
Tl 190.801	-34.9	0.0019	mg/L	0.00203	0.0019	mg/L	0.00203	105.91%
V 292.402	-1063.9	-0.0017	mg/L	0.00025	-0.0017	mg/L	0.00025	14.43%
Zn 206.200	168.3	0.0086	mg/L	0.00012	0.0086	mg/L	0.00012	1.44%
Na 330.237	402.3	-0.4168	mg/L	0.01089	-0.4168	mg/L	0.01089	2.61%
Cd 226.502	241.6	-0.0018	mg/L	0.00034	-0.0018	mg/L	0.00034	19.34%
Ti 334.940	2402.3	0.0065	mg/L	0.00011	0.0065	mg/L	0.00011	1.70%
Ca 227.546	140137.0	488.80	mg/L	0.048	488.80	mg/L	0.048	0.01%

Sequence No.: 24
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/6/2008 10:54:34 AM
Data Type: Reprocessed on 6/6/2008 1:24:04 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	29961.4	0.1917	mg/L	0.00073	0.1917	mg/L	0.00073	0.38%
Al 308.215	12848515.6	460.43	mg/L	1.443	460.43	mg/L	1.443	0.31%
As 188.979	114.7	0.0912	mg/L	0.00002	0.0912	mg/L	0.00002	0.02%
Ba 233.527	27371.2	0.4745	mg/L	0.00395	0.4745	mg/L	0.00395	0.83%
Be 313.107	802961.7	0.4484	mg/L	0.00061	0.4484	mg/L	0.00061	0.14%
Co 228.616	14118.6	0.4308	mg/L	0.00061	0.4308	mg/L	0.00061	0.14%
Cr 267.716	27463.3	0.4510	mg/L	0.00172	0.4510	mg/L	0.00172	0.38%
Cu 324.752	83191.3	0.4781	mg/L	0.00229	0.4781	mg/L	0.00229	0.48%
Fe 273.955	5181594.4	170.66	mg/L	0.614	170.66	mg/L	0.614	0.36%
Mg 279.077	9614832.2	445.79	mg/L	1.680	445.79	mg/L	1.680	0.38%
Mn 257.610	253799.8	0.4610	mg/L	0.00111	0.4610	mg/L	0.00111	0.24%
Ni 231.604	23180.2	0.8545	mg/L	0.00186	0.8545	mg/L	0.00186	0.22%
Pb 220.353	144.7	0.0419	mg/L	0.00086	0.0419	mg/L	0.00086	2.04%
Sb 206.836	1172.2	0.5343	mg/L	0.00533	0.5343	mg/L	0.00533	1.00%
Se 196.026	-11.6	0.0490	mg/L	0.00770	0.0490	mg/L	0.00770	15.70%
Tl 190.801	116.5	0.0902	mg/L	0.00070	0.0902	mg/L	0.00070	0.77%
V 292.402	45636.0	0.4516	mg/L	0.00188	0.4516	mg/L	0.00188	0.42%
Zn 206.200	23733.4	0.8484	mg/L	0.00474	0.8484	mg/L	0.00474	0.56%
Na 330.237	643.0	-0.2056	mg/L	0.00916	-0.2056	mg/L	0.00916	4.45%
Cd 226.502	31735.9	0.8503	mg/L	0.00200	0.8503	mg/L	0.00200	0.24%
Ti 334.940	2432.0	0.0064	mg/L	0.00006	0.0064	mg/L	0.00006	0.90%
Ca 227.546	141700.6	494.12	mg/L	1.193	494.12	mg/L	1.193	0.24%

Sequence No.: 25
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/6/2008 10:57:47 AM
Data Type: Reprocessed on 6/6/2008 1:24:05 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	194143.1	1.2425	mg/L	0.01603	1.2425	mg/L	0.01603	1.29%
Al 308.215	276505.9	9.8928	mg/L	0.15942	9.8928	mg/L	0.15942	1.61%
As 188.979	727.6	0.5239	mg/L	0.00221	0.5239	mg/L	0.00221	0.42%
Ba 233.527	610065.0	10.602	mg/L	0.1035	10.602	mg/L	0.1035	0.98%
Be 313.107	464145.5	0.2593	mg/L	0.00356	0.2593	mg/L	0.00356	1.37%
Co 228.616	88432.9	2.6692	mg/L	0.04802	2.6692	mg/L	0.04802	1.80%
Cr 267.716	63657.7	1.0422	mg/L	0.01689	1.0422	mg/L	0.01689	1.62%
Cu 324.752	218388.1	1.2380	mg/L	0.01892	1.2380	mg/L	0.01892	1.53%
Fe 273.955	159716.3	5.2604	mg/L	0.08723	5.2604	mg/L	0.08723	1.66%
Mg 279.077	566111.7	26.244	mg/L	0.3525	26.244	mg/L	0.3525	1.34%
Mn 257.610	1403361.6	2.5981	mg/L	0.03199	2.5981	mg/L	0.03199	1.23%
Ni 231.604	72980.3	2.6592	mg/L	0.04232	2.6592	mg/L	0.04232	1.59%
Pb 220.353	2755.8	0.5212	mg/L	0.00071	0.5212	mg/L	0.00071	0.14%
Sb 206.836	1126.2	0.5076	mg/L	0.00302	0.5076	mg/L	0.00302	0.60%
Se 196.026	355.3	0.5120	mg/L	0.00449	0.5120	mg/L	0.00449	0.88%
Tl 190.801	885.0	0.5178	mg/L	0.00105	0.5178	mg/L	0.00105	0.20%
V 292.402	263790.5	2.5594	mg/L	0.03401	2.5594	mg/L	0.03401	1.33%
Zn 206.200	74073.4	2.6392	mg/L	0.04377	2.6392	mg/L	0.04377	1.66%
Na 330.237	25934.1	23.395	mg/L	0.2832	23.395	mg/L	0.2832	1.21%
Cd 226.502	9698.4	0.2627	mg/L	0.00170	0.2627	mg/L	0.00170	0.65%
Ti 334.940	55.6	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	80.22%
Ca 227.546	7202.3	24.782	mg/L	0.0259	24.782	mg/L	0.0259	0.10%

Sequence No.: 26
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/6/2008 11:00:59 AM
Data Type: Reprocessed on 6/6/2008 1:24:05 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	66.1	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	10.39%
Al 308.215	334.8	0.0120	mg/L	0.00038	0.0120	mg/L	0.00038	3.16%
As 188.979	1.5	0.0011	mg/L	0.00048	0.0011	mg/L	0.00048	43.69%
Ba 233.527	19.2	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	20.66%
Be 313.107	-21.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	10.52%
Co 228.616	2.6	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	115.49%
Cr 267.716	3.1	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	280.30%
Cu 324.752	436.0	0.0025	mg/L	0.00026	0.0025	mg/L	0.00026	10.50%
Fe 273.955	69.9	0.0023	mg/L	0.00014	0.0023	mg/L	0.00014	6.12%
Mg 279.077	95.4	0.0044	mg/L	0.00141	0.0044	mg/L	0.00141	31.87%
Mn 257.610	29.2	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	36.95%
Ni 231.604	5.8	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	8.65%
Pb 220.353	-0.7	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	27.26%
Sb 206.836	-0.1	-0.0001	mg/L	0.00065	-0.0001	mg/L	0.00065	>999.9%
Se 196.026	-0.2	-0.0002	mg/L	0.00191	-0.0002	mg/L	0.00191	824.23%
Tl 190.801	1.2	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	17.86%
V 292.402	23.3	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	88.76%
Zn 206.200	26.8	0.0010	mg/L	0.00006	0.0010	mg/L	0.00006	6.52%
Na 330.237	-95.6	-0.0863	mg/L	0.04741	-0.0863	mg/L	0.04741	54.91%
Cd 226.502	-0.6	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	371.86%
Ti 334.940	19.3	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	296.07%
Ca 227.546	3.4	0.0119	mg/L	0.01933	0.0119	mg/L	0.01933	162.42%

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Sequence No.: 27
Sample ID: G0846-02CPDS,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Se @ 10ppb

Autosampler Location: 48
Date Collected: 6/6/2008 11:04:14 AM
Data Type: Reprocessed on 6/6/2008 1:24:06 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-02CPDS,36914

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	952.5	0.0061	mg/L	0.00027	0.0061	mg/L	0.00027	4.43%
Al 308.215	754.7	0.0237	mg/L	0.00112	0.0237	mg/L	0.00112	4.73%
As 188.979	31.8	0.0230	mg/L	0.00039	0.0230	mg/L	0.00039	1.69%
Ba 233.527	2478.6	0.0432	mg/L	0.00064	0.0432	mg/L	0.00064	1.48%
Be 313.107	19434.7	0.0109	mg/L	0.00014	0.0109	mg/L	0.00014	1.33%
Co 228.616	3776.5	0.1141	mg/L	0.00140	0.1141	mg/L	0.00140	1.22%
Cr 267.716	2135.5	0.0350	mg/L	0.00066	0.0350	mg/L	0.00066	1.90%
Cu 324.752	10336.1	0.0586	mg/L	0.00006	0.0586	mg/L	0.00006	0.11%
Fe 273.955	2445.9	0.0806	mg/L	0.00219	0.0806	mg/L	0.00219	2.72%
Mg 279.077	109011.7	5.0542	mg/L	0.05269	5.0542	mg/L	0.05269	1.04%
Mn 257.610	28149.3	0.0520	mg/L	0.00048	0.0520	mg/L	0.00048	0.92%
Ni 231.604	2729.2	0.0995	mg/L	0.00008	0.0995	mg/L	0.00008	0.08%
Pb 220.353	50.8	0.0096	mg/L	0.00001	0.0096	mg/L	0.00001	0.08%
Sb 206.836	247.8	0.1145	mg/L	0.00049	0.1145	mg/L	0.00049	0.43%
Se 196.026	8.1	0.0115	mg/L	0.00032	0.0115	mg/L	0.00032	2.79%
Tl 190.801	38.5	0.0227	mg/L	0.00057	0.0227	mg/L	0.00057	2.52%
V 292.402	10898.6	0.1057	mg/L	0.00130	0.1057	mg/L	0.00130	1.23%
Zn 206.200	2050.9	0.0731	mg/L	0.00093	0.0731	mg/L	0.00093	1.27%
Na 330.237	11278.3	10.170	mg/L	0.0490	10.170	mg/L	0.0490	0.48%
Cd 226.502	416.6	0.0113	mg/L	0.00000	0.0113	mg/L	0.00000	0.01%
Ti 334.940	-28.7	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	297.77%
Ca 227.546	4463.0	15.451	mg/L	0.1314	15.451	mg/L	0.1314	0.85%

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Sequence No.: 28
Sample ID: G0846-03C,36914
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/6/2008 11:07:21 AM
Data Type: Reprocessed on 6/6/2008 1:24:06 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: G0846-03C,36914

H0806061 (4.1) ILM Hg AQ JRW 6/6/08 G0859 G0863 VJ 6/6/08

Seq. No. 1 AS Loc: 1 Date: 6/ 6/08
Sample ID: S0

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0003	0.0020	74.4635	0.0003	4.1369	10:16:32
			0.0003	0.0014	74.4626	0.0003	4.1368	10:17:04

Auto-zero performed.

Mean:	0.0003
SD:	0.00002
%RSD:	8.31

Seq. No. 2 AS Loc: 2 Date: 6/ 6/08
Sample ID: S0.2

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0026	0.0128	74.4598	0.0029	4.1366	10:17:58
			0.0026	0.0124	74.4570	0.0029	4.1365	10:18:30

[Hg] Standard number 1 applied. [0.20]
Correlation Coefficient: 1.00000 Slope: 0.01319
Intercept : 0.00000

Mean:	0.0026
SD:	0.00001
%RSD:	0.26

Seq. No. 3 AS Loc: 3 Date: 6/ 6/08
Sample ID: S1.0

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0136	0.0566	74.4546	0.0139	4.1364	10:19:24
			0.0137	0.0567	74.4527	0.0140	4.1363	10:19:56

[Hg] Standard number 2 applied. [1.00]
Correlation Coefficient: 0.99997 Slope: 0.01370
Intercept : -0.00005

Mean:	0.0137
SD:	0.00007
%RSD:	0.52

Seq. No. 4 AS Loc: 4 Date: 6/ 6/08
Sample ID: S2.0

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0195	0.0802	74.4498	0.0198	4.1361	10:20:49
			0.0196	0.0801	74.4477	0.0199	4.1360	10:21:21

[Hg] Standard number 3 applied. [2.00]
Correlation Coefficient: 0.97941 Slope: 0.00992
Intercept : 0.00103

Mean:	0.0195
SD:	0.00005
%RSD:	0.26

Seq. No. 5 AS Loc: 5 Date: 6/ 6/08
Sample ID: S5.0

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0687	0.2804	74.4452	0.0690	4.1358	10:22:15
			0.0688	0.2793	74.4418	0.0691	4.1357	10:22:47

[Hg] Standard number 4 applied. [5.00]
Correlation Coefficient: 0.99200 Slope: 0.01359
Intercept : -0.00137

Mean:	0.0687
SD:	0.00010
%RSD:	0.15

Seq. No.	6	AS Loc:	6	Date:	6/ 6/08			
Sample ID:	S10.0							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.1356	0.5521	74.4394	0.1359	4.1355	10:23:43
			0.1365	0.5548	74.4367	0.1368	4.1354	10:24:15
[Hg] Standard number 5 applied. [10.00]								
Correlation Coefficient: 0.99823		Slope: 0.01373						
Intercept : -0.00155								
Mean:			0.1361					
SD:			0.00062					
%RSD:			0.46					

Seq. No.	7	AS Loc:	7	Date:	6/ 6/08			
Sample ID:	ICV							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	2.17µg/L	2.17µg/L	0.0282	0.1167	74.4352	0.0285	4.1353	10:25:08
	2.19µg/L	2.19µg/L	0.0285	0.1159	74.4342	0.0288	4.1352	10:25:41
QC value within specified limits.								
Mean:	2.18µg/L ✓	2.18µg/L	0.0284					
SD:	0.02µg/L	0.02µg/L	0.00022					
%RSD:	0.74		0.78					

Seq. No.	8	AS Loc:	1	Date:	6/ 6/08			
Sample ID:	ICB							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.11µg/L	0.11µg/L	-0.0000	0.0009	74.4351	0.0003	4.1353	10:26:36
	0.11µg/L	0.11µg/L	-0.0000	0.0014	74.4349	0.0003	4.1353	10:27:08
QC value within specified limits.								
Mean:	0.11µg/L ✓	0.11µg/L	-0.0000					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.85		47.38					

Seq. No.	9	AS Loc:	17	Date:	6/ 6/08			
Sample ID:	CRA							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.30µg/L	0.30µg/L	0.0026	0.0114	74.4340	0.0029	4.1352	10:28:01
	0.30µg/L (50%)	0.30µg/L	0.0026	0.0122	74.4340	0.0029	4.1352	10:28:33
Mean:	0.30µg/L ✓	0.30µg/L	0.0026					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	0.80		1.28					

Seq. No.	10	AS Loc:	18	Date:	6/ 6/08			
Sample ID:	CCV							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.19µg/L	5.19µg/L	0.0698	0.2848	74.4326	0.0701	4.1352	10:29:26
	5.22µg/L	5.22µg/L	0.0701	0.2842	74.4296	0.0704	4.1350	10:29:58
Mean:	5.21µg/L ✓	5.21µg/L	0.0700					
SD:	0.02µg/L	0.02µg/L	0.00026					
%RSD:	0.36		0.37					

Seq. No.	11	AS Loc:	19	Date:	6/ 6/08			
Sample ID:	CCB							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0001	0.0006	74.4321	0.0002	4.1351	10:30:51
	0.10µg/L	0.10µg/L	-0.0002	0.0003	74.4307	0.0001	4.1350	10:31:23

Mean:	0.10µg/L	0.10µg/L	-0.0001
SD:	0.00µg/L	0.00µg/L	0.00001
%RSD:	1.04		10.00

Seq. No.	12	AS Loc:	20	Date:	6/ 6/08			
Sample ID:	MB-36916							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.09µg/L	0.09µg/L	-0.0002	0.0001	74.4307	0.0000	4.1350	10:32:16
	0.09µg/L	0.09µg/L	-0.0003	-0.0001	74.4308	0.0000	4.1350	10:32:48
Mean:	0.09µg/L	0.09µg/L	-0.0003					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.59		3.05					

Seq. No.	13	AS Loc:	21	Date:	6/ 6/08			
Sample ID:	G0803-01G							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0004	74.4307	0.0001	4.1350	10:33:40
	0.10µg/L	0.10µg/L	-0.0002	0.0007	74.4308	0.0001	4.1351	10:34:12
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	2.28		16.24					

Seq. No.	14	AS Loc:	22	Date:	6/ 6/08			
Sample ID:	G0803-02G							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0007	74.4315	0.0001	4.1351	10:35:06
	0.10µg/L	0.10µg/L	-0.0002	0.0008	74.4321	0.0001	4.1351	10:35:37
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	1.07		7.58					

Seq. No.	15	AS Loc:	23	Date:	6/ 6/08			
Sample ID:	G0803-03G							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	-0.0001	74.4305	0.0000	4.1350	10:36:31
	0.10µg/L	0.10µg/L	-0.0002	0.0006	74.4322	0.0001	4.1351	10:37:03
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	1.97		11.73					

Seq. No.	16	AS Loc:	24	Date:	6/ 6/08			
Sample ID:	G0803-04G							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.09µg/L	0.09µg/L	-0.0003	-0.0001	74.4315	0.0000	4.1351	10:37:56
	0.10µg/L	0.10µg/L	-0.0002	0.0001	74.4315	0.0001	4.1351	10:38:28
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	2.42		13.10					

Seq. No.	17	AS Loc:	7	Date:	6/ 6/08			
Sample ID:	CCV							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.21µg/L	5.21µg/L	0.0699	0.2826	74.4321	0.0702	4.1351	10:39:22
	5.21µg/L	5.21µg/L	0.0700	0.2816	74.4307	0.0703	4.1350	10:39:55
QC value within specified limits.								
Mean:	5.21µg/L	5.21µg/L	0.0700					

SD:	0.00µg/L	0.00µg/L	0.00006
%RSD:	0.09		0.09

Seq. No.	18	AS Loc:	1	Date:	6/ 6/08			
Sample ID:	CCB							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.11µg/L	0.11µg/L	-0.0000	0.0007	74.4333	0.0003	4.1352	10:40:50
	0.12µg/L	0.12µg/L	0.0000	0.0012	74.4324	0.0003	4.1351	10:41:21
QC value within specified limits.								
Mean:	0.11µg/L	0.11µg/L	0.0000					
SD:	0.00µg/L	0.00µg/L	0.00004					
%RSD:	2.50		225.69					

Seq. No.	19	AS Loc:	25	Date:	6/ 6/08			
Sample ID:	G0803-08G							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0004	74.4335	0.0001	4.1352	10:42:17
	0.10µg/L	0.10µg/L	-0.0002	0.0002	74.4342	0.0001	4.1352	10:42:49
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.75		4.97					

Seq. No.	20	AS Loc:	26	Date:	6/ 6/08			
Sample ID:	G0846-02C							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0000	74.4351	0.0001	4.1353	10:43:41
	0.10µg/L	0.10µg/L	-0.0002	0.0003	74.4354	0.0001	4.1353	10:44:13
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00002					
%RSD:	1.46		9.99					

Seq. No.	21	AS Loc:	27	Date:	6/ 6/08			
Sample ID:	G0846-02CDUP							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	-0.0004	74.4354	0.0001	4.1353	10:45:06
	0.10µg/L	0.10µg/L	-0.0001	0.0009	74.4378	0.0002	4.1354	10:45:38
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00006					
%RSD:	4.34		35.59					

Seq. No.	22	AS Loc:	28	Date:	6/ 6/08			
Sample ID:	G0846-02CMS							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	1.10µg/L	1.10µg/L	0.0136	0.0557	74.4388	0.0139	4.1355	10:46:31
	1.10µg/L	1.10µg/L	0.0135	0.0551	74.4390	0.0138	4.1355	10:47:03
Mean:	1.10µg/L	1.10µg/L	0.0135					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	0.23		0.26					

Seq. No.	23	AS Loc:	29	Date:	6/ 6/08			
Sample ID:	G0846-03C							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.09µg/L	0.09µg/L	-0.0003	-0.0002	74.4395	0.0000	4.1355	10:47:56
	0.09µg/L	0.09µg/L	-0.0003	-0.0002	74.4407	0.0000	4.1356	10:48:28
Mean:	0.09µg/L	0.09µg/L	-0.0003					
SD:	0.00µg/L	0.00µg/L	0.00000					

%RSD: 0.27 1.28

Seq. No. 24 AS Loc: 30 Date: 6/ 6/08
Sample ID: G0846-04C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0003	74.4423	0.0001	4.1357	10:49:21
	0.10µg/L	0.10µg/L	-0.0002	0.0000	74.4423	0.0001	4.1357	10:49:53
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.72		4.94					

Seq. No. 25 AS Loc: 31 Date: 6/ 6/08
Sample ID: G0846-05C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0001	0.0005	74.4431	0.0001	4.1357	10:50:46
	0.10µg/L	0.10µg/L	-0.0001	0.0003	74.4434	0.0001	4.1357	10:51:19
Mean:	0.10µg/L	0.10µg/L	-0.0001					
SD:	0.00µg/L	0.00µg/L	0.00000					
%RSD:	0.18		1.73					

Seq. No. 26 AS Loc: 32 Date: 6/ 6/08
Sample ID: G0846-06C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0001	0.0012	74.4464	0.0002	4.1359	10:52:15
	0.10µg/L	0.10µg/L	-0.0002	0.0001	74.4461	0.0001	4.1359	10:52:47
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00004					
%RSD:	3.11		28.22					

Seq. No. 27 AS Loc: 7 Date: 6/ 6/08
Sample ID: CCV

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.26µg/L	5.26µg/L	0.0707	0.2846	74.4464	0.0710	4.1359	10:53:43
	5.26µg/L	5.26µg/L	0.0707	0.2842	74.4462	0.0710	4.1359	10:54:15
QC value within specified limits.								
Mean:	5.26µg/L	5.26µg/L	0.0707					
SD:	0.00µg/L	0.00µg/L	0.00000					
%RSD:	0.00		0.00					

Seq. No. 28 AS Loc: 1 Date: 6/ 6/08
Sample ID: CCB

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.11µg/L	0.11µg/L	0.0000	0.0003	74.4488	0.0003	4.1360	10:55:09
	0.12µg/L	0.12µg/L	0.0001	0.0015	74.4515	0.0004	4.1362	10:55:41
QC value within specified limits.								
Mean:	0.12µg/L	0.12µg/L	0.0000					
SD:	0.00µg/L	0.00µg/L	0.00004					
%RSD:	2.45		86.57					

Seq. No. 29 AS Loc: 33 Date: 6/ 6/08
Sample ID: G0846-07C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0001	74.4516	0.0001	4.1362	10:56:34
	0.10µg/L	0.10µg/L	-0.0002	0.0000	74.4526	0.0001	4.1363	10:57:06
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00002					

%RSD: 1.19 9.75

Seq. No. 30 AS Loc: 34 Date: 6/ 6/08
Sample ID: G0859-01C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.10µg/L	0.10µg/L	-0.0002	0.0002	74.4543	0.0001	4.1363	10:58:03
	0.10µg/L	0.10µg/L	-0.0002	0.0001	74.4543	0.0001	4.1364	10:58:35
Mean:	0.10µg/L	0.10µg/L	-0.0002					
SD:	0.00µg/L	0.00µg/L	0.00001					
%RSD:	0.89		6.16					

Seq. No. 31 AS Loc: 35 Date: 6/ 6/08
Sample ID: G0859-02C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.11µg/L	0.11µg/L	-0.0001	0.0008	74.4553	0.0002	4.1364	10:59:28
	0.11µg/L	0.11µg/L	-0.0001	0.0008	74.4560	0.0002	4.1364	11:00:00
Mean:	0.11µg/L	0.11µg/L	-0.0001					
SD:	0.00µg/L	0.00µg/L	0.00002					
%RSD:	1.19		25.22					

Seq. No. 32 AS Loc: 36 Date: 6/ 6/08
Sample ID: G0859-03C

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.09µg/L	0.09µg/L	-0.0003	-0.0001	74.4562	0.0000	4.1365	11:00:52
	0.09µg/L	0.09µg/L	-0.0003	-0.0002	74.4571	0.0000	4.1365	11:01:24
Mean:	0.09µg/L	0.09µg/L	-0.0003					
SD:	0.00µg/L	0.00µg/L	0.00000					
%RSD:	0.08		0.41					

Seq. No. 33 AS Loc: 7 Date: 6/ 6/08
Sample ID: CCV

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.28µg/L	5.28µg/L	0.0709	0.2847	74.4571	0.0712	4.1365	11:02:19
	5.29µg/L	5.29µg/L	0.0711	0.2867	74.4568	0.0714	4.1365	11:02:51
QC value within specified limits.								
Mean:	5.28µg/L ✓	5.28µg/L	0.0710					
SD:	0.01µg/L	0.01µg/L	0.00017					
%RSD:	0.23		0.24					

Seq. No. 34 AS Loc: 1 Date: 6/ 6/08
Sample ID: CCB

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.12µg/L	0.12µg/L	0.0001	0.0015	74.4589	0.0004	4.1366	11:03:46
	0.12µg/L	0.12µg/L	0.0001	0.0010	74.4607	0.0003	4.1367	11:04:18
QC value within specified limits.								
Mean:	0.12µg/L ✓	0.12µg/L	0.0001					
SD:	0.00µg/L	0.00µg/L	0.00003					
%RSD:	1.76		39.65					

Prep Logbooks

- [x] ICP
- [x] Mercury
- [ ] Cyanide
- [ ] Percent Solids

ILM 4.1 Al 9:50 - 13:50 **MITKEM LABORATORIES: Aqueous Metals Preparation Logbook** F0859

Date	Sample ID		Client ID	Sample Vol (ml)	pH	Sample Color Before	Clarity Before	Conc. HNO_3 (ml)	Conc. HCl (ml)	1:1 HCl (ml)	Sample Color After	Sample Clarity After	Final Volume (ml)	Comments	Analyst
6/5/08	MB-36914		—	50	—	—	—	0.5	2.5	—	—	—	50		BV/NAB
	LCS-36914		—	50	—	—	—				—	—	50		
	L0803	01G	SW052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		01H	SW052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		02G	SW5 052208	50	<2	Pale Yellow	clear				colorless	clear	50		
		02H	SW5 052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		03G	SW6 052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		03H	SW6 052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		04G	SW7 052808	50	<2	Pale Yellow	clear				colorless	clear	50		
		04H	SW7 052808	50	<2	~~Pale Yellow~~ Colorless	clear				colorless	clear	50		
		08G	MLSA060208	50	<2	Colorless	clear				colorless	clear	50		
	L0803	08H	MLSA060208	50	<2	Colorless	clear				colorless	clear	50		
	L0846	02C	130173-MW-1-6W	50	<2	Colorless	clear				colorless	clear	50		
		02CDUP	130173-MW-1-5W	50	<2	Colorless	clear				colorless	clear	50		
		02CMS	130173-MW-1-5W	50	<2	Colorless	clear				colorless	clear	50		
6/5/08	L0846	03C	130173-FB-6308	50	<2	Colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB

HCl Lot# E42AH2

HNO3 Lot# E50032

Method: ILM 4.1 **Digestion Temp:** 95 oC

LCSS/Spike ID: I080114G - 455ml / I080114H

45.5ml { I071008D / I071116B ; I071008E / I080114E } 50ml

SOP#: 100.0009

Digestate Relinquished to: JRW 6/5/08

Logbook ID 100.0125 -04/08

REVIEWED BY: DCC 6/10/08

MITKEM LABORATORIES: Aqueous Metals Preparation Logbook

Date	Sample ID		Client ID	Sample Vol (ml)	pH	Sample Color Before	Clarity Before	Conc. HNO_3 (ml)	Conc. HCl (ml)	1:1 HCl (ml)	Sample Color After	Sample Clarity After	Final Volume (ml)	Comments	Analyst
6/5/08	6.0846	04C	130173-MW-6-GW	50	<2	Colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB
		05C	130173-MW6-GW	50	<2	Colorless	clear				colorless	clear	50		
		06C	130173-MW-2-GW	50	<2	Colorless	clear				colorless	clear	50		
	6.0846	07C	130173-MW-5-GW	50	<2	Colorless	clear				colorless	clear	50		
	IPANDA1-NAB-36915			50		—	—				—	—	50		
	IPANDA2-NAB-36915			50		—	—				—	—	50		
	IPANDA5-NAB-36915			50		—	—				—	—	50		
6/5/08	IPANDA4-NAB-36915			50	—	—	—	0.5	2.5	—	—	—	50		BV/NAB
6/5/08	G0859	01C	130173-MW-1-GW	50	<2	colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB
6/5/08	G0859	02C	130173-FB-6/4/08	50	<2	colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB
6/5/08	G0859	03C	130173-MW-3-GW	50	<2	colorless	clear	0.5	2.5	—	colorless	clear	50		BV/NAB
								NAB 6/5/08							

HCl Lot# E42M12

HNO3 Lot# E 50037

Method: ILM 4.1

Digestion Temp: 95 oC

LCSS/Spike ID: I080114F-455ml / I080114H

45.5 ml { I071008D / I071116B } 50 ml
{ I071008E / I080114E }

SOP#: 100.0009

Digestate Relinquished to: JRM 6/5/08

REVIEWED BY: 6/9/08

SOP

Logbook ID 100.0125 -04/08

IL441/Hg/NB

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc. : Mercury Digestion Logbook

G0854

Date	Bottle No.	Sample ID		Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
6/5/08	336A	S0.0		—	100	5	2.5	15	8	—	100		BV/NAB
	320	S0.2		—	0.04/100						100	IL080516A	
	326JW	S1.0		—	0.2/100						100		
	331XYZ	S2.0		—	0.4/100						100		
	21G	S5.0		—	1.0/100						100		
	115	S10.0		—	2.5/100						100	IL080516A	
	147	ICV		—	1.0/100						100	IL080527B	
	324M	MB-36916		—	100						100		
	321	G0803	01G	SW05 2808	100						100		
	2R		02G	SW5 052808	100						100		
	12		03G	SW6 052808	100						100		
	336T		04G	SW7 052808	100						100		
	321☆	G0803	08G	MLSA060208	100						100		
	73XY	G0846	02C	130173-MW-1-GW	100						100		
	327	G0846	02CDUP	130173-MW-1-GW	100						100		
6/5/08	200	G0846	02CMS	130173-MW-1-GW	100	5	2.5	15	8	—	100		BV/NAB

Waters
In: 11:20
Out: 13:20
Matrix: Aqueous

Soils
In: ____ Out: ____
In: ____ Out: ____
Matrix: Soil/Solid

N/A

LCSS ID —
LCSS volume: —
Spike ID 080516A
Spike volume: 200ml

Temp: 45 °C
H_2SO_4 Lot # 015045
HNO_3 Lot # ~~EK~~ MAP 0108 E500372
HCl Lot # —
KMnO4 ID # IR030522207
K2S2O8 ID# IR030604053
Method # ILM 4.1

RELINQUISHED TO: JRW 6/5/08

Reviewed by: ____

MITKEM LABORATORIES, A Division of Spectrum Analytical, Inc. : Mercury Digestion Logbook

Date	Bottle No.	Sample ID		Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
6/5/08	325	6.0946	03C	130173-FB-6308 ~~130173-EB NAB 6/5/08~~	100	5	2.5	~~NAB 6/5/08~~ +5 15	8	—	100		BV/NAB
	316Y		04C	130173-MW-6-GW	100			15			100		
	334*		05C	130173-MW66-GW	100						100		
	318		06C	130173-MW-2-GW	100						100		
6/5/08	331	6.0846	07C	130173-MW-5-GW	100						100		
6/5/08	3250	FO859	01C	130173-MW-4-GW	100						100		
6/5/08	334	FO859	02C	130173-FB-6408	100						100		
6/5/08	328D	FO859	08C	130173-MW-3 GW	100	5	2.5	15	8	—	100		BV/NAB

NAB 6/5/08

Waters
In: 11:20
Out: 13.20
Matrix: Aqueous

Soils
In: ____ Out: ____
In: N/A Out: ____
Matrix: Soil/Solid

LCSS ID —
LCSS volume: 5mL
Spike ID HW8005/CN
Spike volume: 200ml

Temp: 95 °C
H_2SO_4 Lot # C15095
HNO_3 Lot # E50037
HCl Lot # —
KMnO4 ID # IR08052209
K2S2O8 ID# IR0806040B
Method # ILM4.1

RELINQUISHED TO: JRW 6/5/08

Reviewed by: ____

Last Page of Data Report