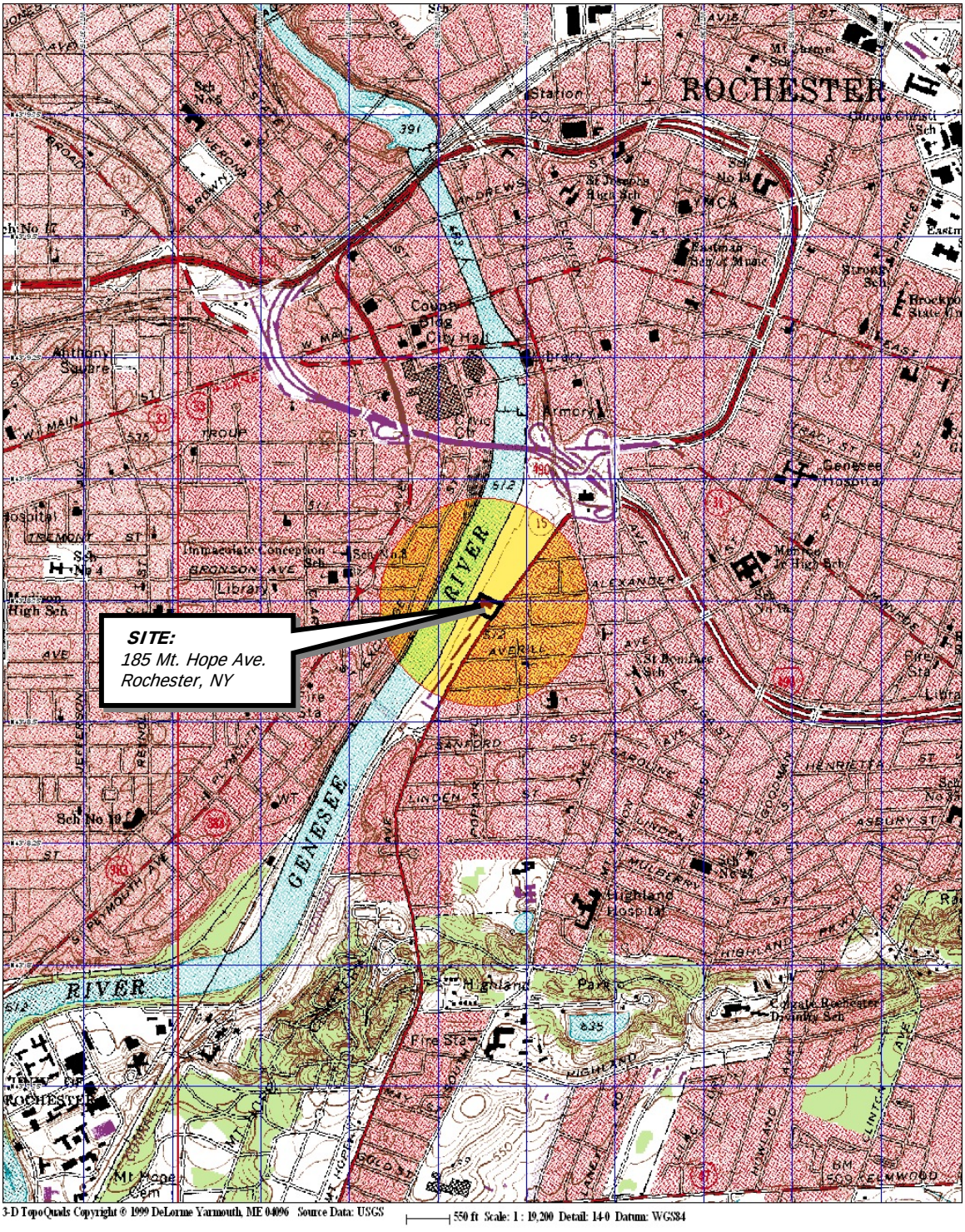

Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad maps Rochester East (NY) 1995 and Rochester West (NY) 1995. Site Lat/Long: N43d-8.75' – W77d-36.62'

DATE **11-05-2007** DRAWN BY **RJM** SCALE **1" = 2000'**	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14623-2700	PROJECT TITLE **185 MT. HOPE AVENUE** **ROCHESTER, NEW YORK** **BROWNFIELD CLEANUP PROGRAM** DRAWING TITLE **PROJECT LOCUS MAP**	PROJECT NO. **4003R-07** **FIGURE 1**

S:\GIS Mapping\Erie\Ha38015-06\Conham3618S-05.mxd

DATE: 10-15-2007	**DAY ENVIRONMENTAL, INC.** Environmental Consultants Rochester, New York 14614-1008 New York, New York 10165-1617	PROJECT TITLE: 185 MT. HOPE AVENUE ROCHESTER, NEW YORK BROWNFIELD CLEANUP PROGRAM	PROJECT NO.: 3618S-05
DRAWN BY: CPS		DRAWING TITLE: WELL LOCATION PLAN	Figure 2
SCALE: AS NOTED			

day
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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

TEST BORING MWDAY-03

Project #: 3618S-07
Project Address: 185 Mt. Hope Avenue
Rochester, NY
DAY Representative: M. Dickinson
Drilling Contractor: TREC Environmental Inc.
Sampling Method: Direct Push

Ground Elevation: 98.19' Datum: 100.00' (assumed)
Date Started: 10/11/2007 Date Ended: 10/11/2007
Borehole Depth: 23.9 Borehole Diameter: 2.25
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 15.11' (10-11-07)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	CONCRETE	
2	NA	S-1	0-4	80	NA	0.0	0.0	Black/Brown, Silty SAND, Gravel, Organics, moist	
3							0.0		
4									
5							0.0	Brown/Gray, fine Silty SAND, trace Gravel, moist	
6	NA	S-2	4-8	90	NA	0.0	0.0		
7							0.0	…ROCK	
8									
9							0.0	Brown/Gray, Sandy SILT, trace G Refusal @ 23.9'	
10	NA	S-3	8-12	100	NA	0.0	0.0		
11							0.0	…very moist	
12								…wet	
13							0.0		
14	NA	S-4	12-16	100	NA	0.0	0.0		
15							0.0	Brown/Dark Brown/Tan, Clayey SILT, some Gravel and Rock, very moist	
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING MWDAY-03

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Project #: 3618S-07
Project Address: 185 Mt. Hope Avenue
Rochester, NY
DAY Representative: M. Dickinson
Drilling Contractor: TREC Environmental Inc.
Sampling Method: Direct Push

TEST BORING MWDAY-03

Ground Elevation: 98.19' Datum: 100.00' (assumed)
Date Started: 10/11/2007 Date Ended: 10/11/2007
Borehole Depth: 23.9 Borehole Diameter: 2.25
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 15.11' (10-11-07)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17							0.0		
18	NA	S-5	16-20	100	NA	0.0	0.0		
19							0.0	White/Red, ROCK and Sandy SILT, some Clay, moist	
20									
21							0.0		
22	NA	S-6	20-23.9	85	NA	0.0	0.0		
23							0.0	...ROCK	
24									
25								Refusal @ 23.9'	
26									
27									
28									
29									
30									
31									
32									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

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Project #: 3618S-07
Project Address: 185 Mt. Hope Avenue
Rochester, NY
DAY Representative: M. Dickinson
Drilling Contractor: TREC Environmental Inc.
Sampling Method: Direct Push

TEST BORING MWDAY-04

Ground Elevation: 101.23' Datum: 100.00' (assumed)
Date Started: 10/12/2007 Date Ended: 10/12/2007
Borehole Depth: 24.5 Borehole Diameter: 2.25
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 23.80' (10-12-07)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL	
2	NA	S-1	0-4	60	NA	0.0	0.0	Brown/Dark Brown, fine Sand, Roots, Gravel, moist (FILL)	
3							0.0		
4								Brown, fine Sand, Gravel, Brick, Ash, Cinders, Glass, moist (FILL)	
5	NA	S-2	4-8	90	NA	0.0	0.0		
6									
7							0.0		
8									
9	NA	S-3	8-12	100	NA	0.0	0.0		
10								…very moist	
11							0.0	Brown/Tan, fine Silty SAND, trace Gravel, moist to wet	
12									
13	NA	S-4	12-16	100	NA	0.0	0.0	…wet	
14									
15							0.0	Brown/Gray, fine Sandy SILT, some Clay, trace Gravel, moist	
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING MWDAY-04

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DAY ENVIRONMENTAL, INC.
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3618S-07
Project Address: 185 Mt. Hope Avenue
Rochester, NY
DAY Representative: M. Dickinson
Drilling Contractor: TREC Environmental Inc.
Sampling Method: Direct Push

TEST BORING MWDAY-04

Ground Elevation: 101.23' Datum: 100.00' (assumed)
Date Started: 10/12/2007 Date Ended: 10/12/2007
Borehole Depth: 24.5 Borehole Diameter: 2.25
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 23.80' (10-12-07)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17							0.0		
18	NA	S-5	16-20	100	NA	0.0	0.0	Brown/Gray, Clayey SILT, trace Gravel, moist	
19							0.0		
20									
21							0.0		
22	NA	S-6	20-24	90	NA	0.0	0.0		
23							0.0	…Rock	
24									
25								Refusal @ 24.0'	
26									
27									
28									
29									
30									
31									
32									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING MWDAY-04

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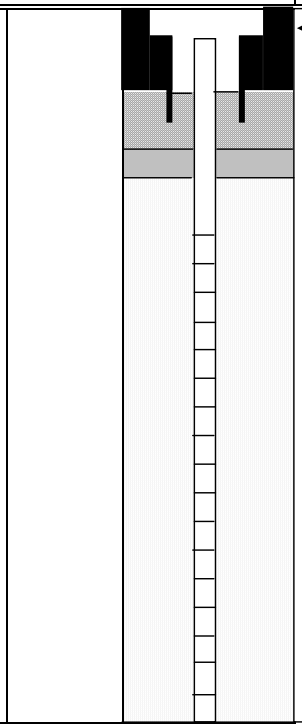
MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	3618S-07			**MONITORING WELL MWDAY-03**	
Project Address:	185 Mt. Hope Avenue				
	Rochester, NY	Ground Elevation:	98.19'	Datum:	100.00' (assumed)	Page 1 of 1
DAY Representative:	M. Dickinson	Date Started:	10/11/2007	Date Ended:	10/11/2007	
Drilling Contractor:	TREC Environmental Inc.				
		Water Level (Date):	15.11' (10-11-07)		

Refer to Test Boring Log MWDAY-03 for Soil Description



Flush Mounted Roadbox

0.3 Depth to Top of Riser Pipe (ft)

0.6 Depth to Bottom of Cement Surface Patch (ft)

Backfill Type Grout

5.0 Depth to Top of Bentonite Seal (ft)

7.0 Depth to Bottom of Bentonite Seal (ft)

8.5 Depth to Top of Well Screen (ft)

8.0 Diameter of Borehole (in)

Backfill Type Sand

2.0 Inside Diameter of Well (in)

Type of Pipe PVC Schedule 40

Screen slot size 10

23.50 Depth to Bottom of Well Screen (ft)

23.90 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) NA = Not Available or Not Applicable

MONITORING WELL MWDAY-03

U:MKD\3618S-07\Monitoring Well

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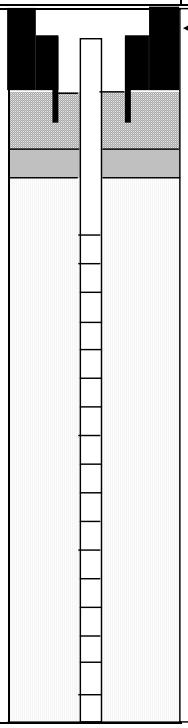
MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	3618S-07			**MONITORING WELL MWDAY-04**	
Project Address:	185 Mt. Hope Avenue				
	Rochester, NY	Ground Elevation:	101.23'	Datum:	100.00' (assumed)	Page 1 of 1
DAY Representative:	M. Dickinson	Date Started:	10/12/2007	Date Ended:	10/12/2007	
Drilling Contractor:	TREC Environmental Inc.				
		Water Level (Date):	23.80' (10-12-07)		

Refer to Test Boring Log MWDAY-04 for Soil Description



Flush Mounted Roadbox

0.3 Depth to Top of Riser Pipe (ft)

0.6 Depth to Bottom of Cement Surface Patch (ft)

Backfill Type Grout

5.0 Depth to Top of Bentonite Seal (ft)

7.0 Depth to Bottom of Bentonite Seal (ft)

9.0 Depth to Top of Well Screen (ft)

8.0 Diameter of Borehole (in)

Backfill Type Sand

2.0 Inside Diameter of Well (in)

Type of Pipe PVC Schedule 40

Screen slot size 10

24 Depth to Bottom of Well Screen (ft)

24 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) NA = Not Available or Not Applicable

MONITORING WELL MWDAY-04

U:MKD\3618S-07\Monitoring Well

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WELL DEVELOPMENT DATA
MWDAY-03

SITE LOCATION: 185 Mt. Hope Avenue, Rochester, New York JOB#: 3618S-05

DATE/ TIME	10-22-07	10-22-07 13:00	10-22-07 13:15	10-22-07 13:30	10-22-07 13:45	10-22-07 14:00	10-22-07 14:20	
EVACUATION METHOD	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	
PID/FID (PPM)	NC	NC	NC	NC	NC	NC	NC	
DEPTH OF WELL (FT)	23.90	23.90	23.90	23.90	23.90	23.90	23.90	
STATIC WATER LEVEL (SWL) FT	11.44	11.44	11.44	11.44	11.44	11.44	20.74	
VOLUME EVACUATED (GAL)	--	1.0	1.0	1.0	1.0	1.0	1.0	
TOTAL VOLUME EVACUATED (GAL)	--	1.0	2.0	3.0	4.0	5.0	6.0	
TEMPERATURE (^{O}C)	--	7.1	7.1	--	7.1	7.0	6.9	
pH	--	6.87	6.88	--	6.89	6.93	6.96	
ORP (mV)	--	101	86	--	85	85	84	
CONDUCTIVITY (µs/cm)	--	2.03	2.01	--	1.98	1.97	1.97	
TURBIDITY (NTU)	--	>999.0	>999.0	>999.0	>999.0	>999.0	>999.0	
VISUAL OBSERVATION	--	Cloudy, Sediment	Cloudy, Sediment	Cloudy, Sediment	Cloudy, Sediment	Cloudy, Sediment	Cloudy, Sediment	

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614

WELL DEVELOPMENT DATA
MWDAY-04

SITE LOCATION: 185 Mt. Hope Avenue, Rochester, New York JOB#: 3618S-05

DATE/ TIME	10-22-07	10-22-07 11:10	10-22-07 11:30	10-22-07 11:50	10-22-07 12:10	10-22-07 12:30	10-22-07 12:50	
EVACUATION METHOD	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	
PID/FID (PPM)	NC	NC	NC	NC	NC	NC	NC	
DEPTH OF WELL (FT)	23.97	23.97	23.97	23.97	23.97	23.97	23.99	
STATIC WATER LEVEL (SWL) FT	12.44	12.44	12.44	12.44	12.44	12.44	19.98	
VOLUME EVACUATED (GAL)	--	1.0	1.0	1.0	1.0	1.0	0.5	
TOTAL VOLUME EVACUATED (GAL)	--	1.0	2.0	3.0	4.0	5.0	5.5	
TEMPERATURE (^{O}C)	--	7.0	6.9	--	7.1	7.1	6.8	
pH	--	6.91	6.93	--	6.92	6.92	6.92	
ORP (mV)	--	108	101	--	98	97	97	
CONDUCTIVITY (µs/cm)	--	2.41	2.45	--	2.45	2.45	2.45	
TURBIDITY (NTU)	--	>999.0	>999.0	>999.0	>999.0	>999.0	>999.0	
VISUAL OBSERVATION	--	Cloudy, Sediment	Cloudy, Sediment	Cloudy, Sediment	Cloudy, Sediment	Cloudy, Sediment	Cloudy, Sediment	

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MWDAY-03

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 185 Mt. Hope Avenue, Rochester, New York **JOB #** 3618S-05

PROJECT NAME: Remedial Investigation **DATE:** 11/01/07

SAMPLE COLLECTOR(S): G. Miller, J Danzinger **WEATHER:** 45-50º F, 0-5 mph wind, sunny

PID READING IN WELL HEADSPACE (PPM): NC **MEASURING POINT:** T.O.C.

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2.0"

SCREENED INTERVAL [FT]: 8.5 to 23.5 **WATER LEVEL (SWL) [FT]:** 15.06'

WELL DEPTH [FT]: 23.5 **DEPTH OF PUMP INTAKE [FT]:** 19.5'

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None **DNAPL:** NC **OTHER OBSERVATIONS:** None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Solinst ¼" mini 101

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2 **CONTROL BOX REFILL RATE:** 8

STABILIZED PUMP RATE (ml/min): 150 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 15.50

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:19	150	15.50	6.5	-22	67	0.47	7.3	16.6	500
10:22	150	15.50	7.6	-36	37	0.33	7.4	16.2	950
10:27	150	15.50	7.7	-43	37	0.30	7.4	15.9	2000
10:30	150	15.50	7.1	-45	35	0.30	7.4	16.1	2450
10:33	150	15.50	7.9	-46	34	0.29	7.4	16.1	2900
10:36	150	15.50	7.1	-45	29	0.29	7.5	16.2	3350
10:39	150	15.50	7.8	-44	29	0.29	7.5	16.2	3800
10:42	150	15.50	7.7	-44	30	0.29	7.5	15.8	4250
10:45	150	15.50	7.8	-43	23	0.29	7.5	16.1	4700

SAMPLE OBSERVATIONS: Slightly yellow. Air bubbles noted in flow thru cell during purging

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
030 / MWDAY-03	11-01-07 / 1055	Bladder Pump	TCL VOCS & TCL SVOCS (Method OLM04.3)

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MWDAY-04

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 185 Mt. Hope Avenue, Rochester, New York **JOB #** 3618S-05

PROJECT NAME: Remedial Investigation **DATE:** 11/01/07

SAMPLE COLLECTOR(S): G. Miller, J Danzinger **WEATHER:** 45-50º F, 0-5 mph wind, sunny

PID READING IN WELL HEADSPACE (PPM): NC **MEASURING POINT:** T.O.C.

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2.0"

SCREENED INTERVAL [FT]: 9.0 to 24.0 **WATER LEVEL (SWL) [FT]:** 14.87'

WELL DEPTH [FT]: 24.0 **DEPTH OF PUMP INTAKE [FT]:** 19.5'

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None **DNAPL:** NC **OTHER OBSERVATIONS:** None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Solinst ¼" mini 101

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.0 **CONTROL BOX REFILL RATE:** 15.0

STABILIZED PUMP RATE (ml/min): 80.0 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 16.45

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:50	80.0	16.45	1.0	-90	33	0.25	6.6	13.1	500
11:53	80.0	16.45	0.8	-93	24	0.21	6.6	13.1	740
11:56	80.0	16.45	0.7	-94	24	0.20	6.6	13.0	980
11:59	80.0	16.45	0.6	-96	24	0.18	6.6	13.0	1220
12:02	80.0	16.45	0.6	-98	23	0.18	6.6	13.0	1460
12:05	80.0	16.45	0.5	-99	20	0.17	6.7	13.1	1700
12:08	80.0	16.45	0.5	-100	18	0.17	6.7	13.2	1940
12:11	80.0	16.45	0.5	-100	20	0.16	6.7	13.2	2180

SAMPLE OBSERVATIONS: Clear. No air bubbles noted in flow thru cell during purging

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
031 / MWDAY-04	11-01-07 / 1215	Bladder Pump	TCL VOCS & TCL SVOCS (Method OLM04.3)

TABLE 1

GROUNDWATER ELEVATION DATA FOR NOVEMBER 1, 2007

185 MOUNT HOPE AVENUE
ROCHESTER NEW YORK

WELL ID	GROUND SURFACE ELEVATION	TOP OF PVC CASING ELEVATION (FT)	STATIC WATER LEVEL (SWL) MEASUREMENT (FT)**	GROUNDWATER ELEVATION (FT)	TYPE OF WELL
MW-3	100.68	100.28	18.43	81.85	Overburden
MWDAY-01	97.38	97.05	14.53	82.52	Overburden
MWDAY-02	101.10	100.68	17.74	82.94	Overburden
MWDAY-03	98.19	97.56	15.06	82.50	Overburden
MWDAY-04	101.23	100.67	14.87	85.80	Overburden
MW-URS3	97.85	97.58	15.56	82.02	Overburden
MW-URS4	97.60	97.26	10.97	86.29	Overburden

NC = Measurement not collected

SWL measurements at wells collected using a Heron H01.L oil/water interface probe. Evidnce of non-aqueos phase liquid not detected.

** = Data from Top of PVC Casing

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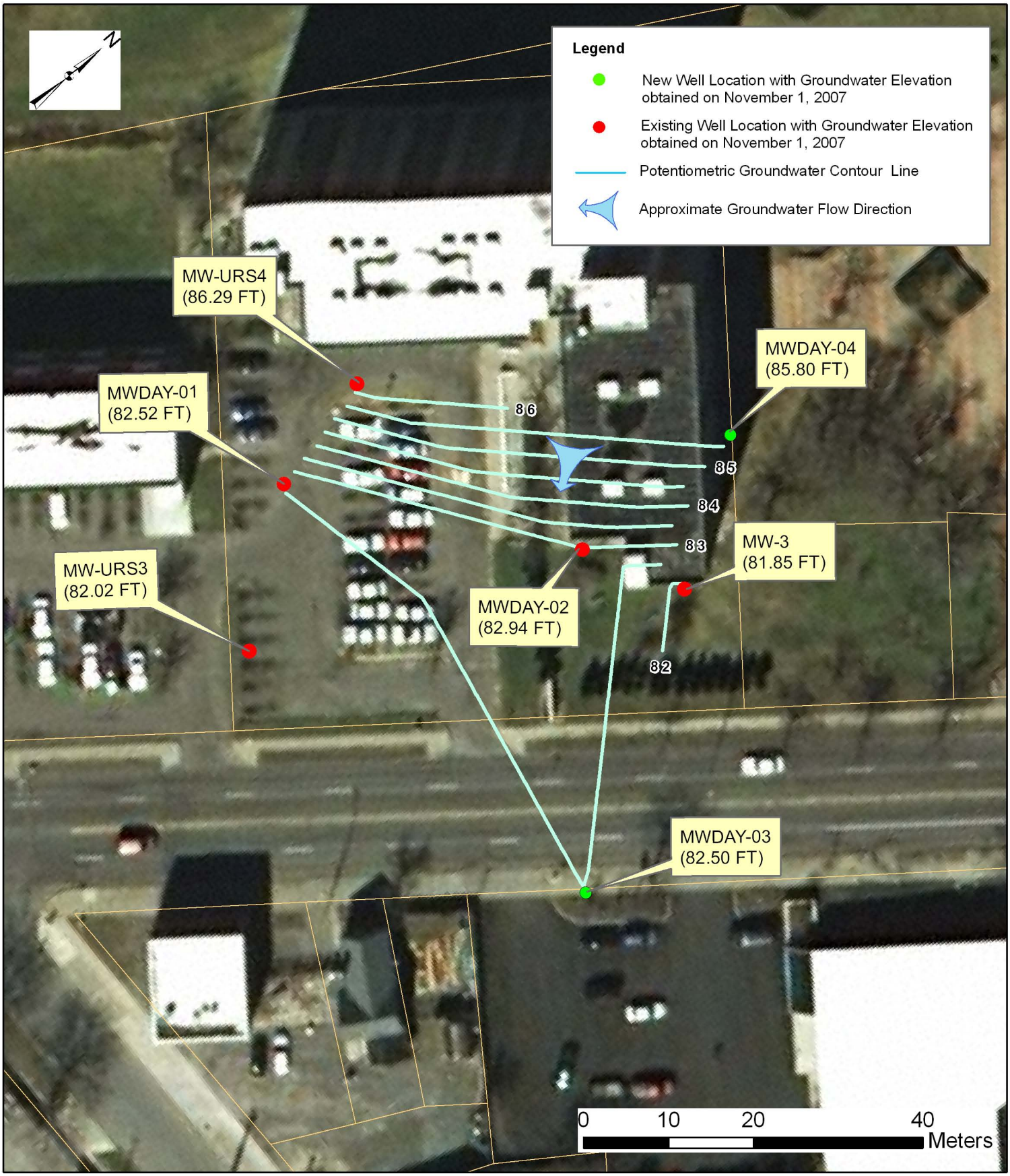


DATE: 11-28-2007 DRAWN BY: CPS SCALE: AS NOTED	**DAY ENVIRONMENTAL, INC.** Environmental Consultants Rochester, New York 14614-1008 New York, New York 10165-1617	PROJECT TITLE: 185 MT. HOPE AVENUE ROCHESTER, NEW YORK BROWNFIELD CLEANUP PROGRAM DRAWING TITLE: POTENTIOMETRIC GROUNDWATER CONTOUR MAP FOR NOVEMBER 1, 2007	PROJECT NO.: 3618S-05 Figure 3

MITKEM
CORPORATION

"Environmental Testing For The New Millennium"

November 16, 2007

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

RE: Client Project: 185 Mt. Hope Ave., Rochester, NY
Lab Work Order #: F1606

Dear Mr. Danzinger:

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,

Agnes R. Ng
CLP 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 Corporation

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Plant 51 – 185 Mt. Hope Ave, Rochester, NY **SDG :** F1606

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
030/MWDAY-03	F1606-01	OLM4.2_VOA_W	OLM4.2_SVOA_W			
031/MWDAY-04	F1606-02	OLM4.2_VOA_W	OLM4.2_SVOA_W			

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Plant 51 – 185 Mt. Hope Ave, Rochester, NY **SDG :** F1606

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
F1606-01A	AQ	11/1/2007	11/2/2007	NA	11/3/2007
F1606-02A	AQ	11/1/2007	11/2/2007	NA	11/3/2007

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Plant 51 -- 185 Mt. Hope Ave, Rochester, NY **SDG :** F1606

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_SVOA_W					
F1606-01B	AQ	11/1/2007	11/2/2007	11/7/2007	11/12/2007
F1606-02B	AQ	11/1/2007	11/2/2007	11/7/2007	11/12/2007

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Plant 51 – 185 Mt. Hope Ave, Rochester, NY **SDG :** F1606

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
F1606-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1606-02A	AQ	OLM4.2_VOA_W	NA	LOW	1

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Plant 51 – 185 Mt. Hope Ave, Rochester, NY **SDG :** F1606

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLM4.2_SVOA_W					
F1606-01B	AQ	OLM4.2_SVOA_W	3520C	NA	1
F1606-02B	AQ	OLM4.2_SVOA_W	3520C	NA	1

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 185 Mt. Hope Ave., Rochester, NY

Mitkem Work Order ID: F1606

November 16, 2007

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 185 Mt. Hope Ave., Rochester, NY project. Under this deliverable, analysis results are presented for two aqueous that were received on November 2, 2007. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross referencing client sample ID with 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:

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column

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:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recovery was within the QC limits with the exception of high recovery of 4-nitrophenol.

Sample analysis: 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.

Agnes Ng
CLP Project Manager
11/16/07

Mitkem Corporation

02/Nov/07 19:45

WorkOrder: F1606

Client ID: DAY
Project: Plant 51
Location: 185 MT. HOPE AVE, ROCHESTER, NY
Comments: REPORT IN LIMS. Do not charge for MS/MDS

Case:
SDG:
PO: 3618S-05

Report Level: ASP-B
EDD: GISKEY
HC Due: 11/16/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL Storage
F1606-01A	030/MWDAY-03	11/01/2007 10:55	11/02/2007	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS,	☐	☐	☐ VOA
F1606-01B	030/MWDAY-03	11/01/2007 10:55	11/02/2007	Aqueous	OLM4.2_SVOA_W	NYS CLP - ADD LCS,	☐	☐	☐ N2
F1606-02A	031/MWDAY-04	11/01/2007 12:15	11/02/2007	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS,	☐	☐	☐ VOA
F1606-02B	031/MWDAY-04	11/01/2007 12:15	11/02/2007	Aqueous	OLM4.2_SVOA_W	NYS CLP - ADD LCS,	☐	☐	☐ N2

Client Rep: Agnes R Ng

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1987.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I VOA-1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1987.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1987.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-02A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1988.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	6.9	J
75-15-0	Carbon disulfide	2.8	J
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I VOA-1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-02A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1988.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: F1606-02A

Sample wt/vol: 5 (G/ML) ML Lab File ID: V5I1988.D

Level: (low/med) LOW Date Received: 11/02/2007

% Moisture: not dec. Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5BLCS

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: LCS-33069

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1983.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	50	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5BLCS

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: LCS-33069

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1983.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7092.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7092.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7092.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7092.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume: 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume: 2.0 (µL) | Dilution Factor: 1.00

Number TICs found: 3

CONCENTRATION UNITS: UG/L

	CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q
01		Unknown (13.85665)	13.86	5.8	J
02	1599-67-3	1-Docosene	15.81	7.4	NJ
03		Unknown (15.97215)	15.97	2.3	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation

Contract:

Lab Code: MITKEM Case No.:

SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER

Lab Sample ID: F1606-02B

Sample wt/vol: 1000 (G/ML) ML

Lab File ID: S3E7093.D

Level: (low/med) LOW

Date Received: 11/02/2007

% Moisture: not dec.

Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL)

Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL)

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-02B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7093.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-02B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7093.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

031/MWDAY-04

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: F1606-02B

Sample wt/vol: 1000 (G/ML) ML Lab File ID: S3E7093.D

Level: (low/med) LOW Date Received: 11/02/2007

% Moisture: not dec. Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) Dilution Factor: 1.00

Number TICs found: 30

CONCENTRATION UNITS: UG/L

	CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q
01	110-13-4	2,5-Hexanedione	2.87	5.9	NJ
02		Unknown (3.07102)	3.07	8.1	J
03		Unknown (3.11377)	3.11	4.2	J
04		Unknown (3.22060)	3.22	8.4	J
05		Unknown (3.64797)	3.65	6.2	J
06		Unknown (3.73345)	3.73	3.6	J
07		Unknown (3.87233)	3.87	3.7	J
08		Unknown (3.93110)	3.93	6.3	J
09		Unknown (3.97385)	3.97	5.2	J
10	95-16-9	Benzothiazole	5.84	4.6	NJ
11		Unknown (5.96645)	5.97	3.7	J
12		Unknown (6.22288)	6.22	3.0	J
13	69-72-7	Salicylic Acid	6.66	2.5	NJ
14	87-41-2	1(3H)-Isobenzofuranone	7.25	7.7	NJ
15		Unknown (7.85757)	7.86	3.0	J
16		Unknown (8.38110)	8.38	4.7	J
17		Unknown (8.63753)	8.64	3.4	J
18	96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	9.15	11	NJ
19		Unknown (9.31598)	9.32	2.9	J
20		Unknown (9.73800)	9.74	4.7	J
21	4780-79-4	1-Naphthalenemethanol	10.00	5.8	NJ
22		Unknown (10.89190)	10.89	16	J
23		Unknown (11.62912)	11.63	9.8	J
24		Unknown (12.01910)	12.02	3.3	J
25		Unknown (12.55332)	12.55	3.9	J
26	81-84-5	1,8-Naphthalic anhydride	12.90	5.6	NJ
27	1599-67-3	1-Docosene (15.81202)	15.81	28	NJ
28	1599-67-3	1-Docosene (16.16458)	16.16	5.4	NJ
29		Unknown (16.96592)	16.97	3.5	J
30		Unknown (19.51945)	19.52	4.0	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3ZLCS

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: LCS-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7091.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	64	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	66	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	43	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	66	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

EPA SAMPLE NO.

S3ZLCS

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: LCS-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7091.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	41	
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	75	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	42	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	71	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	31	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3ZLCS

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: LCS-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7091.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

	EPA SAMPLE NO.	SMC1 TOL #	SMC2 BFB #	SMC3 DCE #		TOT OUT
01	VBLK5B	96	97	97		0
02	V5BLCS	101	98	96		0
03	030/MWDAY-03	99	101	98		0
04	031/MWDAY-04	101	99	100		0
05	VHBLK5B	97	99	98		0

			QC Limits
SMC 1	TOL	= Toluene-d8	(88-110)
SMC 2	BFB	= Bromofluorobenzene	(86-115)
SMC 3	DCE	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK3Z	94	89	108	94	91	98	94	88	0
02	S3ZLCS	90	86	100	90	85	97	89	84	0
03	030/MWDAY-03	85	81	87	84	81	98	84	77	0
04	031/MWDAY-04	87	83	54	83	82	100	84	80	0

			QC LIMITS	
S1	(NBZ)	= Nitrobenzene-d5	(35-114)	
S2	(FBP)	= 2-Fluorobiphenyl	(43-116)	
S3	(TPH)	= Terphenyl-d14	(33-141)	
S4	(PHL)	= Phenol-d5	(10-110)	
S5	(2FP)	= 2-Fluorophenol	(21-110)	
S6	(TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7	(2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8	(DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3A

WATER VOLATILE LABORATORY CONTROL SAMPLE/DUPLICATE RECOVERY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix Spike - EPA Sample No.: V5BLCS

COMPOUND	SPIKE ADDED (µg/L)	BLANK CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	56	112	61-145
Benzene	50	0	53	106	76-127
Trichloroethene	50	0	50	100	71-120
Toluene	50	0	51	102	76-125
Chlorobenzene	50	0	51	102	75-130

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

* Values outside of QC limits

COMMENTS:

FORM III VOA-1

WATER SEMIVOLATILE LABORATORY CONTROL SAMPLE/DUPLICATE RECOVERY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix Spike - EPA Sample No.: S3ZLCS

COMPOUND	SPIKE ADDED (µg/L)	BLANK CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC #	QC. LIMITS REC.
Phenol	75	0	64	85	12-110
2-Chlorophenol	75	0	66	88	27-123
N-Nitroso-di-n-propylamin	50	0	43	86	41-116
4-Chloro-3-methylphenol	75	0	66	88	23-97
Acenaphthene	50	0	41	82	46-118
4-Nitrophenol	75	0	75	100*	10-80
2,4-Dinitrotoluene	50	0	42	84	24-96
Pentachlorophenol	75	0	71	95	9-103
Pyrene	50	0	31	62	26-127

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

* Values outside of QC limits

COMMENTS:

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK5B

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MF1606

Lab File ID: V5I1982.D Lab Sample ID: MB-33069

Date Analyzed: 11/03/07 Time Analyzed: 04:16

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5BLCS	LCS-33069	V5I1983.D	04:43
02	030/MWDAY-03	F1606-01A	V5I1987.D	06:30
03	031/MWDAY-04	F1606-02A	V5I1988.D	06:57
04	VHBLK5B	VHBLK5B	V5I1990.D	07:50

COMMENTS: _____

FORM IV VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5B

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: MB-33069

Sample wt/vol: 5 (G/ML) ML Lab File ID: V5I1982.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5B

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33069

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1982.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5B

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33069

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1982.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5B

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5B

Sample wt/vol: 5 (G/ML) ML Lab File ID: V5I1990.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5B

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: VHBLK5B

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1990.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VHBLK5B

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: VHBLK5B

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1990.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK3Z

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MF1606

Lab File ID: S3E7090.D Lab Sample ID: MB-33143

Instrument ID: S3 Date Extracted: 11/07/07

Matrix: (soil/water) WATER Date Analyzed: 11/12/07

Level: (low/med) LOW Time Analyzed: 02:36

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S3ZLCS	LCS-33143	S3E7091.D	11/12/2007
02	030/MWDAY-03	F1606-01B	S3E7092.D	11/12/2007
03	031/MWDAY-04	F1606-02B	S3E7093.D	11/12/2007

COMMENTS: _____

FORM IV SV

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3Z

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7090.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3Z

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7090.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3Z

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7090.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume: 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume: 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

EPA SAMPLE NO.

SBLK3Z

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: MB-33143

Sample wt/vol: 1000 (G/ML) ML Lab File ID: S3E7090.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MF1606

Lab File ID (Standard): V5I1981.D Date Analyzed: 11/03/07

EPA Sample No.(VSTD050##): VSTD0505B Time Analyzed: 03:49

Instrument ID: V5 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	198046	4.9224	926085	5.92112	728221	8.99858
	UPPER LIMIT	396092	5.4224	1852170	6.42112	1456442	9.49858
	LOWER LIMIT	99023	4.4224	463043	5.42112	364111	8.49858
	EPA SAMPLE						
01	VBLK5B	211990	4.93	1004785	5.92	794119	9.00
02	V5BLCS	203987	4.92	948447	5.92	742095	9.00
03	030/MWDAY-03	197361	4.92	902701	5.92	717005	9.00
04	031/MWDAY-04	196716	4.92	916313	5.92	726771	9.00
05	VHBLK5B	182515	4.92	813297	5.92	642346	9.00

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.:_____ SDG No.: MF1606

EPA Sample No.(SSTD050##): SSTD0503U Date Analyzed: 11/11/07

Lab File ID (Standard): S3E7081.D Time Analyzed: 22:04

Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	265404	3.60	1093814	5.35	565772	8.86
	UPPER LIMIT	530808	4.10	2187628	5.85	1131544	9.36
	LOWER LIMIT	132702	3.10	546907	4.85	282886	8.36
	EPA SAMPLE NO.						
01	SBLK3Z	350384	3.59	1450662	5.34	727395	8.85
02	S3ZLCS	341034	3.60	1388808	5.34	693877	8.85
03	030/MWDAY-03	326626	3.59	1328135	5.34	675470	8.86
04	031/MWDAY-04	367386	3.59	1443075	5.35	744527	8.86

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

FORM VIII SV-1

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

EPA Sample No.(SSTD050##): SSTD0503U Date Analyzed: 11/11/07

Lab File ID (Standard): S3E7081.D Time Analyzed: 22:04

Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	880365	11.43	745825	14.87	671145	16.49
	UPPER LIMIT	1760730	11.93	1491650	15.37	1342290	16.99
	LOWER LIMIT	440183	10.93	372913	14.37	335573	15.99
	EPA SAMPLE NO.						
01	SBLK3Z	1056980	11.43	894635	14.87	780938	16.49
02	S3ZLCS	1051856	11.43	899548	14.86	781376	16.48
03	030/MWDAY-03	989625	11.43	865841	14.87	752668	16.48
04	031/MWDAY-04	1168149	11.44	1059758	14.87	838959	16.49

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Plant 51 -- 185 Mt. Hope Ave, Rochester, NY

SDG : F1606

Customer Sample ID	Laboratory Sample ID	Analytical Requirements					
		MSVOA Method #	MSSEMI Method #	GC* Method #		ME	Other
030/MWDAY-03	F1606-01	OLM4.2_VOA_W	OLM4.2_SVOA_W				
031/MWDAY-04	F1606-02	OLM4.2_VOA_W	OLM4.2_SVOA_W				

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Plant 51 – 185 Mt. Hope Ave, Rochester, NY **SDG :** F1606

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
F1606-01A	AQ	11/1/2007	11/2/2007	NA	11/3/2007
F1606-02A	AQ	11/1/2007	11/2/2007	NA	11/3/2007

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Plant 51 – 185 Mt. Hope Ave, Rochester, NY **SDG :** F1606

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_SVOA_W					
F1606-01B	AQ	11/1/2007	11/2/2007	11/7/2007	11/12/2007
F1606-02B	AQ	11/1/2007	11/2/2007	11/7/2007	11/12/2007

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Plant 51 -- 185 Mt. Hope Ave, Rochester, NY **SDG :** F1606

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
F1606-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1606-02A	AQ	OLM4.2_VOA_W	NA	LOW	1

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Plant 51 -- 185 Mt. Hope Ave, Rochester, NY **SDG :** F1606

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLM4.2_SVOA_W					
F1606-01B	AQ	OLM4.2_SVOA_W	3520C	NA	1
F1606-02B	AQ	OLM4.2_SVOA_W	3520C	NA	1

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 185 Mt. Hope Ave., Rochester, NY

Mitkem Work Order ID: F1606

November 16, 2007

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 185 Mt. Hope Ave., Rochester, NY project. Under this deliverable, analysis results are presented for two aqueous that were received on November 2, 2007. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross referencing client sample ID with 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:

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column

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:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recovery was within the QC limits with the exception of high recovery of 4-nitrophenol.

Sample analysis: 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.

Agnes Ng
CLP Project Manager
11/16/07

Mitkem Corporation

02/Nov/07 19:45

WorkOrder: F1606

Client ID: DAY
Project: Plant 51
Location: 185 MT. HOPE AVE, ROCHESTER, NY
Comments: REPORT IN LIMS. Do not charge for MS/MDS

Case:
SDG:
PO: 3618S-05

Report Level: ASP-B
EDD: GISKEY
HC Due: 11/16/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL Storage
F1606-01A	030/MWDAY-03	11/01/2007 10:55	11/02/2007	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS,	☐	☐	☐ VOA
F1606-01B	030/MWDAY-03	11/01/2007 10:55	11/02/2007	Aqueous	OLM4.2_SVOA_W	NYS CLP - ADD LCS,	☐	☐	☐ N2
F1606-02A	031/MWDAY-04	11/01/2007 12:15	11/02/2007	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS,	☐	☐	☐ VOA
F1606-02B	031/MWDAY-04	11/01/2007 12:15	11/02/2007	Aqueous	OLM4.2_SVOA_W	NYS CLP - ADD LCS,	☐	☐	☐ N2

Client Rep: Agnes R Ng

Sample Transmittal Documentation

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY Day Environmental, Inc.	PHONE (585)454-0210	COMPANY	PHONE	LAB PROJECT #: F16066
NAME Jeff Danziger	FAX (585)454-0825	NAME SAME	FAX	
ADDRESS 40 Commercial Street		ADDRESS		TURNAROUND TIME: 5td.
CITY/ST/ZIP Rochester, NY 14614		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
185 Mt. Hope Ave Rochester, NY	3618$-05	3618$-05

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: TCL VOC (OLM04.3)	REQUESTED ANALYSES: TCL SVOC (OLM04.3)	COMMENTS
030/MWDAY-03	11-1-07/1055		X	X			01		X	X	
031/MWDAY-04	11-1-07/1215		X	X			02		X	X	
	/										
	/										
	/										
	/										
	/										
	/										
	/										
	/										
	/										
	/										

11-1-07

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		11-1-07 /	Fed Ex	11-1-07 /	Provide ASP Category B Deliverables and PDF EDD	4°C
		/		11/02/07 9:00 /		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION

Sample Condition Form

Page 1 of 1

Received By: VEG	Reviewed By: KP	Date: 11/02/07	MITKEM Workorder #: F1606O
Client Project: Plant 51		Client: Day	

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 4C
Coolant Condition ICE

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 859794675869

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 11/02/07

9) Time Received 9:30

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"
F1606	01					H	
F1606	02					H	

VEG 11/02/07

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 CORPORATION

* Volatiles *

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

	EPA SAMPLE NO.	SMC1 TOL #	SMC2 BFB #	SMC3 DCE #		TOT OUT
01	VBLK5B	96	97	97		0
02	V5BLCS	101	98	96		0
03	030/MWDAY-03	99	101	98		0
04	031/MWDAY-04	101	99	100		0
05	VHBLK5B	97	99	98		0

			QC Limits
SMC 1	TOL	= Toluene-d8	(88-110)
SMC 2	BFB	= Bromofluorobenzene	(86-115)
SMC 3	DCE	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE LABORATORY CONTROL SAMPLE/DUPLICATE RECOVERY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix Spike - EPA Sample No.: V5BLCS

COMPOUND	SPIKE ADDED (µg/L)	BLANK CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	56	112	61-145
Benzene	50	0	53	106	76-127
Trichloroethene	50	0	50	100	71-120
Toluene	50	0	51	102	76-125
Chlorobenzene	50	0	51	102	75-130

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

* Values outside of QC limits

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5B

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.:_____ SDG No.: MF1606

Lab File ID: V5I1982.D Lab Sample ID: MB-33069

Date Analyzed: 11/03/07 Time Analyzed: 04:16

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5BLCS	LCS-33069	V5I1983.D	04:43
02	030/MWDAY-03	F1606-01A	V5I1987.D	06:30
03	031/MWDAY-04	F1606-02A	V5I1988.D	06:57
04	VHBLK5B	VHBLK5B	V5I1990.D	07:50

COMMENTS: _____

_____

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MF1606

Lab File ID: V5I1280.D BFB Injection Date: 10/09/07

Instrument ID: V5 BFB Injection Time: 09:30

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	27.0
75	30.0 - 66.0% of mass 95	55.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	83.4
175	4.0 - 9.0% of mass 174	6.2 (7.4)1
176	93.0 - 101.0% of mass 174	80.4 (96.3)1
177	5.0 - 9.0% of mass 176	5.2 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050E5	VSTD050E5	V5I1281.D	10/09/07	11:50
02	VSTD020E5	VSTD020E5	V5I1282.D	10/09/07	12:16
03	VSTD010E5	VSTD010E5	V5I1283.D	10/09/07	12:43
04	VSTD200E5	VSTD200E5	V5I1284.D	10/09/07	13:10
05	VSTD100E5	VSTD100E5	V5I1285.D	10/09/07	13:36

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.:_____ SDG No.: MF1606

Lab File ID: V5I1980.D BFB Injection Date: 11/03/07

Instrument ID: V5 BFB Injection Time: 03:23

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26.4
75	30.0 - 66.0% of mass 95	52.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.1 (0.1)1
174	50.0 - 120.0% of mass 95	80.5
175	4.0 - 9.0% of mass 174	6.4 (8.0)1
176	93.0 - 101.0% of mass 174	76.5 (95.0)1
177	5.0 - 9.0% of mass 176	5.1 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0505B	VSTD0505B	V5I1981.D	11/03/07	03:49
02	VBLK5B	MB-33069	V5I1982.D	11/03/07	04:16
03	V5BLCS	LCS-33069	V5I1983.D	11/03/07	04:43
04	030/MWDAY-03	F1606-01A	V5I1987.D	11/03/07	06:30
05	031/MWDAY-04	F1606-02A	V5I1988.D	11/03/07	06:57
06	VHBLK5B	VHBLK5B	V5I1990.D	11/03/07	07:50

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MF1606

Lab File ID (Standard): V5I1981.D Date Analyzed: 11/03/07

EPA Sample No.(VSTD050##): VSTD0505B Time Analyzed: 03:49

Instrument ID: V5 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	198046	4.9224	926085	5.92112	728221	8.99858
	UPPER LIMIT	396092	5.4224	1852170	6.42112	1456442	9.49858
	LOWER LIMIT	99023	4.4224	463043	5.42112	364111	8.49858
	EPA SAMPLE						
01	VBLK5B	211990	4.93	1004785	5.92	794119	9.00
02	V5BLCS	203987	4.92	948447	5.92	742095	9.00
03	030/MWDAY-03	197361	4.92	902701	5.92	717005	9.00
04	031/MWDAY-04	196716	4.92	916313	5.92	726771	9.00
05	VHBLK5B	182515	4.92	813297	5.92	642346	9.00

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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.
* Values outside of QC limits.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: F1606-01A

Sample wt/vol: 5 (G/ML) ML Lab File ID: V5I1987.D

Level: (low/med) LOW Date Received: 11/02/2007

% Moisture: not dec. Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1987.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

030/MWDAY-03

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: F1606-01A

Sample wt/vol: 5 (G/ML) ML Lab File ID: V5I1987.D

Level: (low/med) LOW Date Received: 11/02/2007

% Moisture: not dec. Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

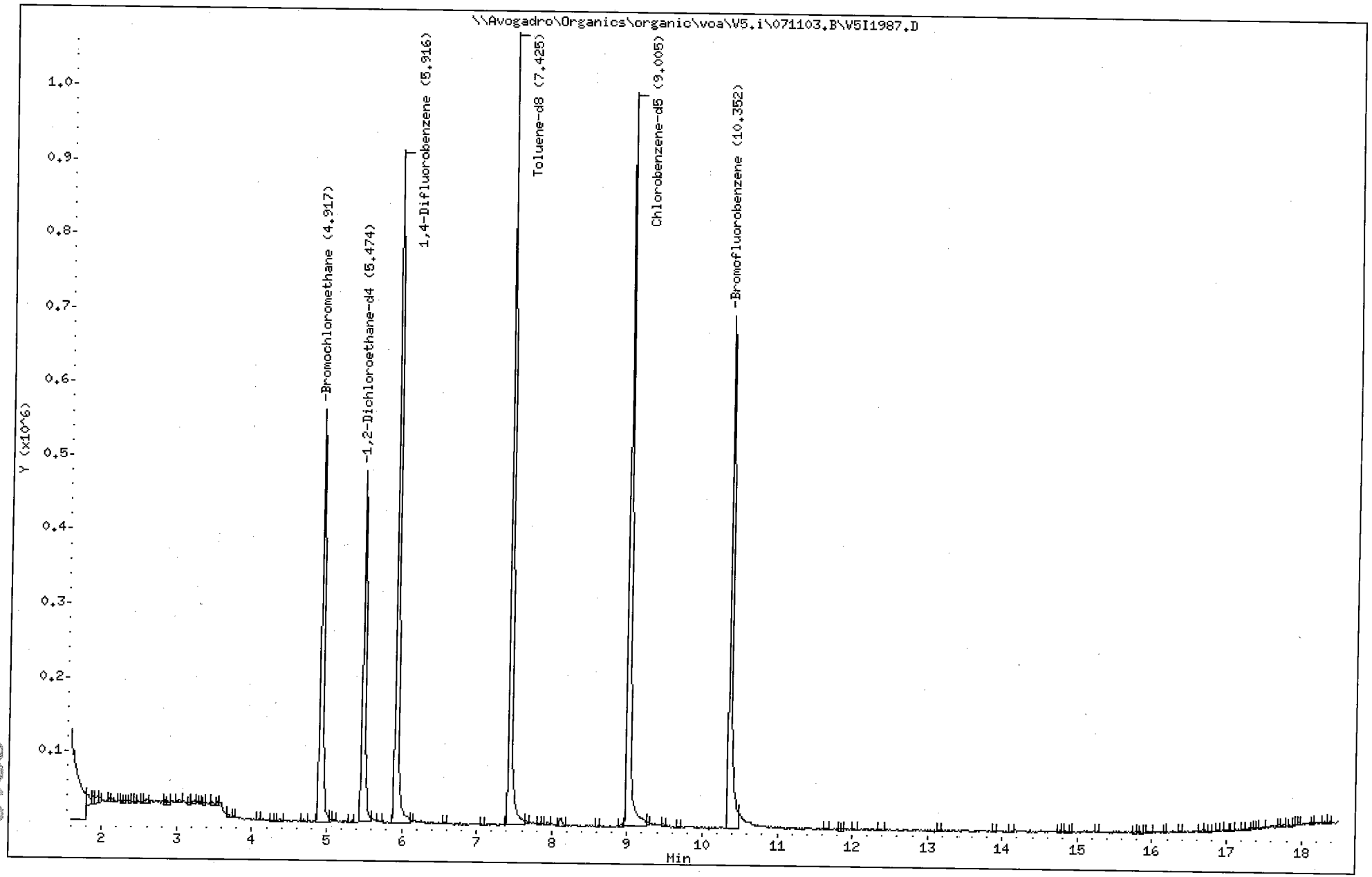
CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1987.D
Date : 03-NOV-2007 06:30
Client ID: 030/MWDAY-03
Sample Info: 5ML,F1606-01A,,33069
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1987.D
Report Date: 06-Nov-2007 10:34

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1987.D
Lab Smp Id: F1606-01A Client Smp ID: 030/MWDAY-03
Inj Date : 03-NOV-2007 06:30
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,F1606-01A,,33069
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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)
* 18 Bromochloromethane	128	4.916	4.922	(1.000)	197361	50.0000	
$ 24 1,2-Dichloroethane-d4	65	5.474	5.479	(1.113)	503785	48.9951	49
* 27 1,4-Difluorobenzene	114	5.915	5.921	(1.000)	902701	50.0000	
$ 35 Toluene-d8	98	7.425	7.430	(0.825)	864243	49.7408	50
* 43 Chlorobenzene-d5	117	9.004	8.998	(1.000)	717005	50.0000	
$ 51 Bromofluorobenzene	95	10.351	10.357	(1.150)	355823	50.2564	50

HZA 11/06/07

KC

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1987.D
Report Date: 06-Nov-2007 10:31

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1987.D
Lab Smp Id: F1606-01A Client Smp ID: 030/MWDAY-03
Inj Date : 03-NOV-2007 06:30
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,F1606-01A,,33069
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: F1606-02A

Sample wt/vol: 5 (G/ML) ML Lab File ID: V5I1988.D

Level: (low/med) LOW Date Received: 11/02/2007

% Moisture: not dec. Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	6.9	J
75-15-0	Carbon disulfide	2.8	J
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-02A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1988.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-02A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1988.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

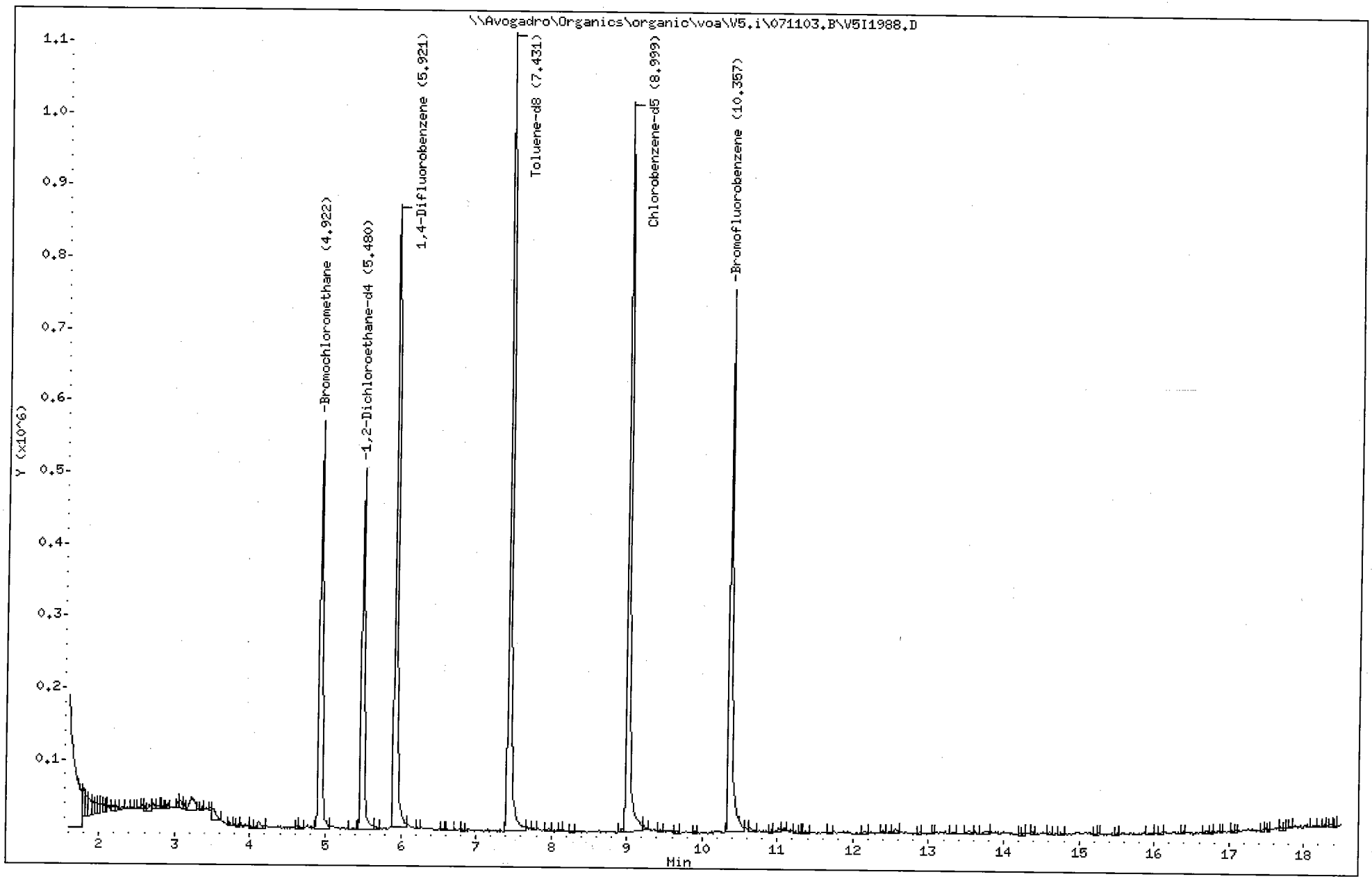
CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

FORM I VOA-TIC

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1988.D
Date : 03-NOV-2007 06:57
Client ID: 031/MWDAY-04
Sample Info: 5ML,F1606-02A,,33069
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: LIMS
Column diameter: 0.25



1200

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1988.D
Report Date: 06-Nov-2007 10:31

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1988.D
Lab Smp Id: F1606-02A Client Smp ID: 031/MWDAY-04
Inj Date : 03-NOV-2007 06:57
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,F1606-02A,,33069
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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)
	9 Acetone	43	3.064	3.052	(0.623)	34471	6.89218	7(a)
	10 Carbon Disulfide	76	3.238	3.250	(0.658)	41885	2.79012	3(a)
*	18 Bromochloromethane	128	4.922	4.922	(1.000)	196716	50.0000	
$	24 1,2-Dichloroethane-d4	65	5.479	5.479	(1.113)	511124	49.8718	50
*	27 1,4-Difluorobenzene	114	5.921	5.921	(1.000)	916313	50.0000	
$	35 Toluene-d8	98	7.430	7.430	(0.826)	885231	50.2641	50
*	43 Chlorobenzene-d5	117	8.998	8.998	(1.000)	726771	50.0000	
$	51 Bromofluorobenzene	95	10.357	10.357	(1.151)	354984	49.4642	49

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

HZA 11/06/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1988.D
Report Date: 06-Nov-2007 10:31

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1988.D
Lab Smp Id: F1606-02A Client Smp ID: 031/MWDAY-04
Inj Date : 03-NOV-2007 06:57
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,F1606-02A,,33069
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1988.D

Date : 03-NOV-2007 06:57

Client ID: 031/MWDAY-04

Instrument: V5.i

Sample Info: 5ML,F1606-02A,,33069

Purge Volume: 5.0

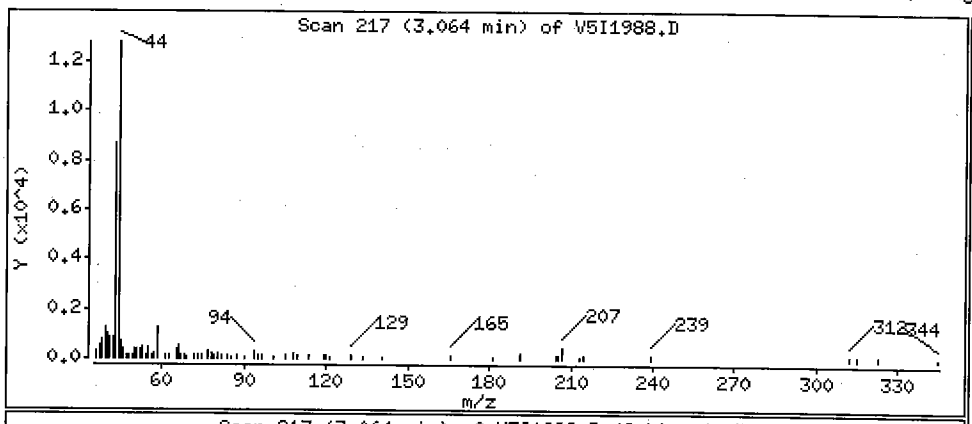
Operator: HZA SRC: LIMS

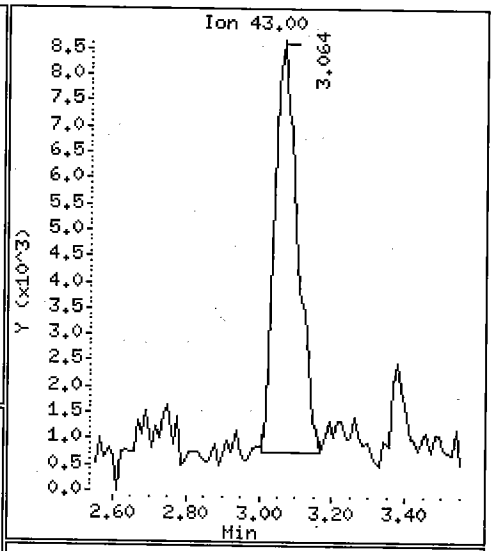
Column phase: DB-624

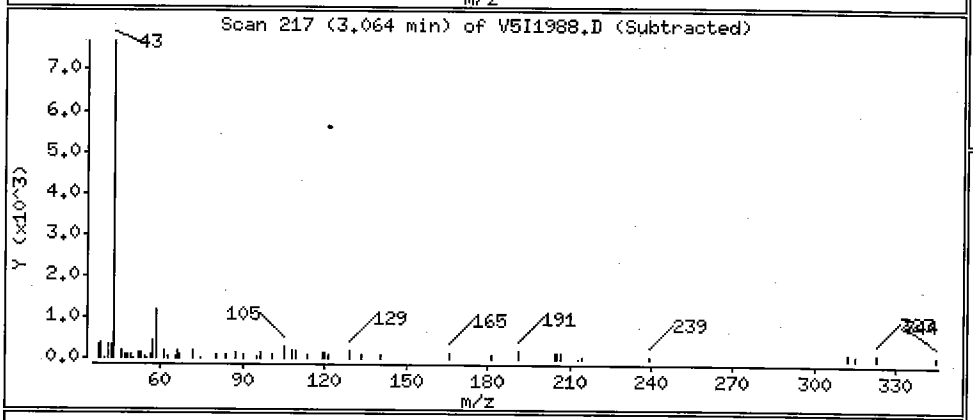
Column diameter: 0.25

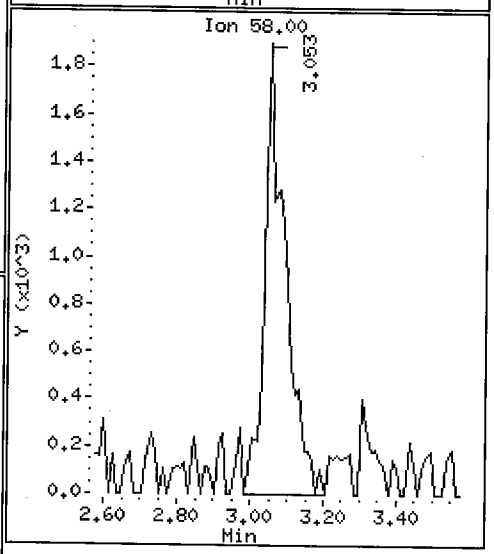
9 Acetone

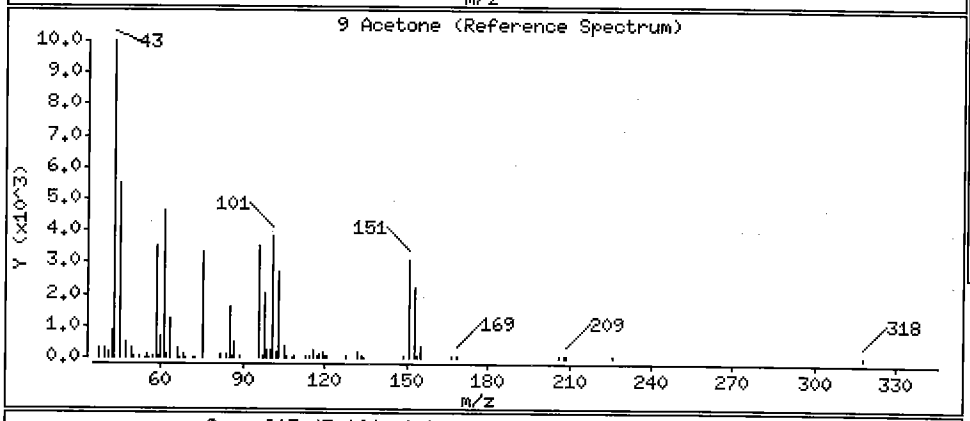
Concentration: 7 ug/L

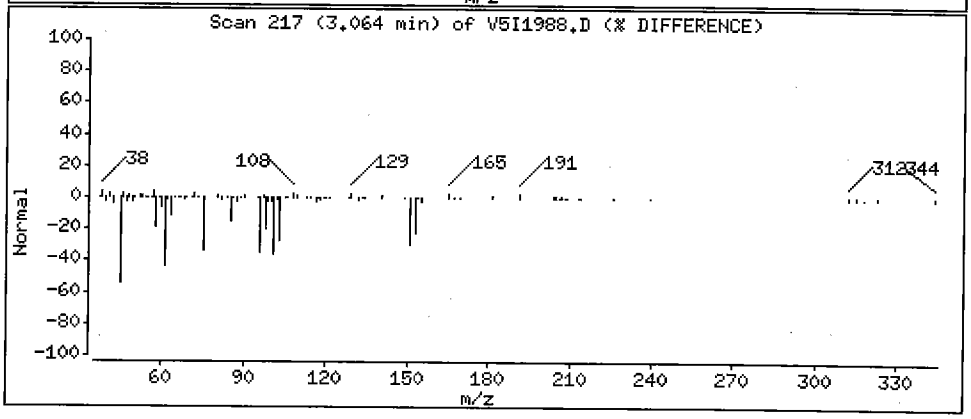












Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1988.D

Date : 03-NOV-2007 06:57

Client ID: 031/MWDAY-04

Instrument: V5.i

Sample Info: 5ML,F1606-02A,,33069

Purge Volume: 5.0

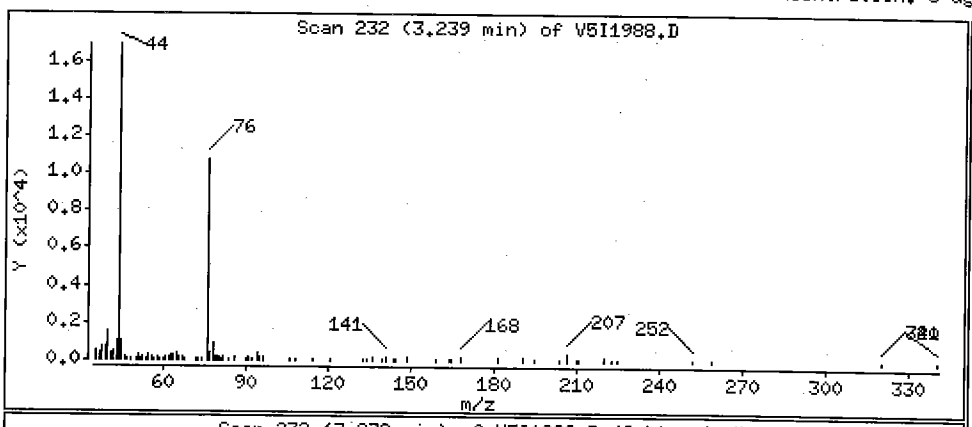
Operator: HZA SRC: LIMS

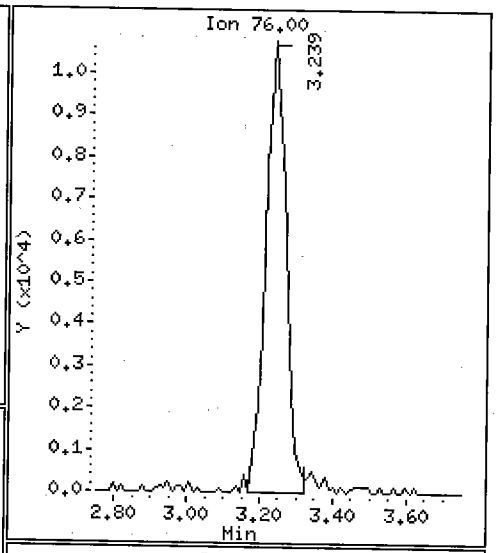
Column phase: DB-624

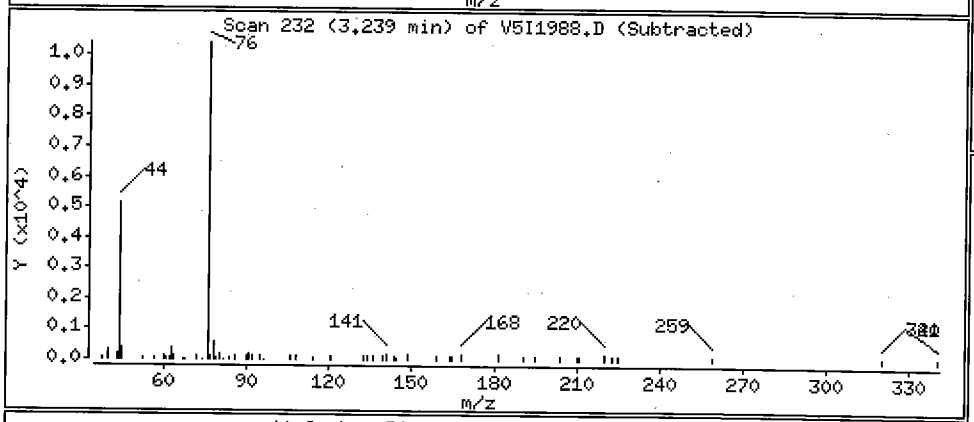
Column diameter: 0.25

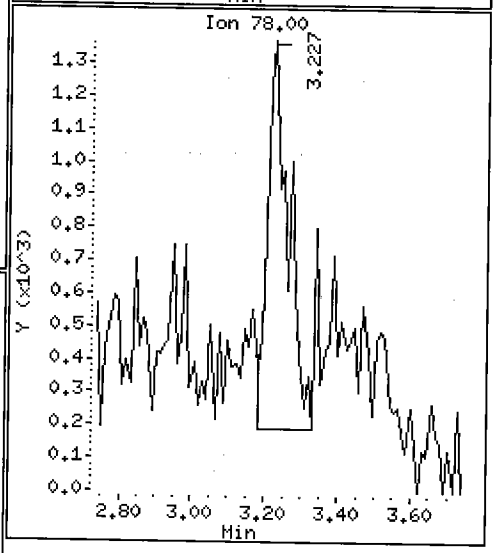
10 Carbon Disulfide

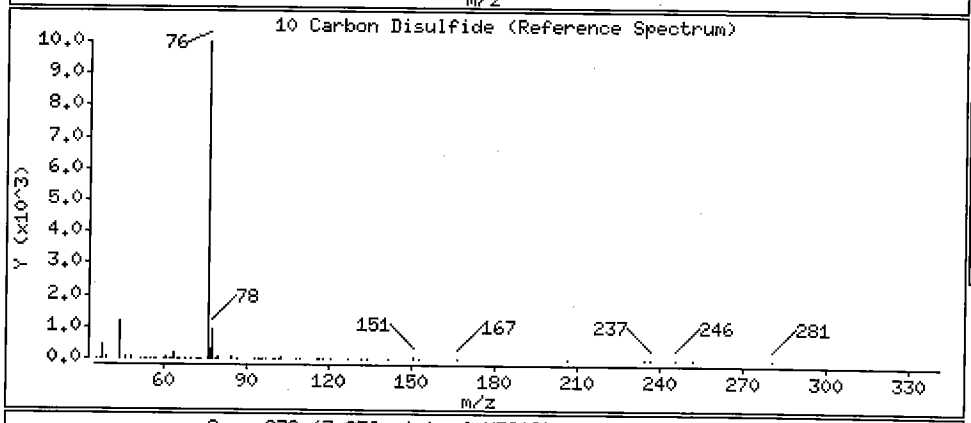
Concentration: 3 ug/L

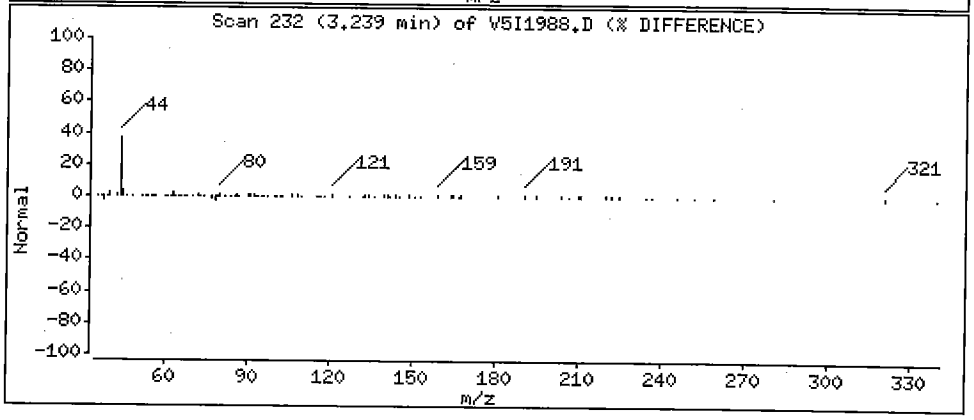












VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: V5 Calibration Date(s): 10/09/2007 10/09/2007

Heated Purge: (Y/N) N Calibration Time(s): 11:50 13:36

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRFF02 = V5I1283.D RRFF05 = V5I1282.D

RRFF08 = V5I1281.D RRFF12 = V5I1285.D RRFF16 = V5I1284.D

COMPOUND	RRFF02	RRFF05	RRFF08	RRFF12	RRFF16	RRF	% RSD	MIN RRF	MAX % RSD		
Dichlorodifluoromethane	1.319	1.347	1.197	1.291	1.257	1.282	4.5		0.0		
Chloromethane	2.130	2.012	2.032	1.982	2.155	2.062	3.7		0.0		
Vinyl chloride	2.064	2.033	1.952	1.925	2.057	2.006	3.2	0.10	20.5		
Bromomethane	1.198	1.169	1.068	1.006	0.966	1.081	9.3	0.10	20.5		
Chloroethane	1.145	1.189	1.018	0.948	0.900	1.040	11.9		0.0		
Trichlorofluoromethane	2.138	2.107	1.978	1.979	1.927	2.026	4.5		0.0		
1,1-Dichloroethene	1.100	0.996	0.939	0.921	0.878	0.967	8.9	0.10	20.5		
1,1,2-Trichloro-1,2,2-trifluoroe	1.192	1.160	1.026	1.063	1.002	1.089	7.7		0.0		
Acetone	1.298	1.274	1.043	1.074	1.043	1.146	11.2		0.0		
Carbon disulfide	4.219	4.142	3.976	3.896	3.841	4.015	4.0		0.0		
Methyl acetate	2.319	1.821	1.795	1.720	1.730	1.877	13.4		0.0		
Methylene chloride	1.427	1.331	1.331	1.256	1.264	1.322	5.2		0.0		
trans-1,2-Dichloroethene	1.730	1.680	1.667	1.522	1.414	1.603	8.2		0.0		
Methyl tert-butyl ether	6.736	6.502	6.258	5.847	5.607	6.190	7.5		0.0		
1,1-Dichloroethane	4.027	3.971	3.919	3.718	3.636	3.854	4.4	0.20	20.5		
cis-1,2-Dichloroethene	1.854	1.707	1.681	1.630	1.601	1.695	5.8		0.0		
2-Butanone	2.238	2.201	2.191	2.104	2.118	2.170	2.6		0.0		
Chloroform	3.370	3.423	3.384	3.240	3.154	3.314	3.4	0.20	20.5		
1,1,1-Trichloroethane	0.514	0.538	0.507	0.500	0.502	0.512	3.0	0.10	20.5		
Cyclohexane	0.699	0.729	0.636	0.624	0.610	0.660	7.8		0.0		
Carbon tetrachloride	0.427	0.451	0.424	0.416	0.418	0.427	3.3	0.10	20.5		
Benzene	1.437	1.489	1.390	1.290	1.220	1.365	8.0	0.50	20.5		
1,2-Dichloroethane	3.195	3.032	2.999	2.840	2.810	2.975	5.3	0.10	20.5		
Trichloroethene	0.325	0.336	0.337	0.316	0.316	0.326	3.2	0.30	20.5		
Methylcyclohexane	0.539	0.584	0.503	0.483	0.463	0.514	9.3		0.0		
1,2-Dichloropropane	0.451	0.444	0.412	0.373	0.370	0.410	9.3		0.0		
Bromodichloromethane	0.488	0.502	0.494	0.474	0.473	0.486	2.6	0.20	20.5		
cis-1,3-Dichloropropene	0.584	0.575	0.578	0.544	0.531	0.562	4.2	0.20	20.5		
4-Methyl-2-pentanone	1.232	1.203	1.126	1.076	1.101	1.148	5.8		0.0		
Toluene	1.573	1.583	1.516	1.443	1.388	1.501	5.6	0.40	20.5		
trans-1,3-Dichloropropene	0.483	0.554	0.540	0.515	0.516	0.522	5.2	0.10	20.5		
1,1,2-Trichloroethane	0.300	0.300	0.291	0.279	0.273	0.289	4.2	0.10	20.5		
Tetrachloroethene	0.321	0.323	0.326	0.303	0.312	0.317	3.0	0.20	20.5		

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: V5 Calibration Date(s): 10/09/2007 10/09/2007

Heated Purge: (Y/N) N Calibration Time(s): 11:50 13:36

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRFF02 = V5I1283.D RRFF05 = V5I1282.D

RRFF08 = V5I1281.D RRFF12 = V5I1285.D RRFF16 = V5I1284.D

COMPOUND	RRFF02	RRFF05	RRFF08	RRFF12	RRFF16	RRF	% RSD	MIN RRF	MAX % RSD		
2-Hexanone	0.660	0.751	0.775	0.758	0.793	0.747	6.9		0.0		
Dibromochloromethane	0.357	0.364	0.370	0.349	0.350	0.358	2.5	0.10	20.5		
1,2-Dibromoethane	0.422	0.427	0.438	0.418	0.422	0.425	1.8		0.0		
Chlorobenzene	0.957	0.977	0.968	0.902	0.900	0.941	3.9	0.50	20.5		
Ethylbenzene	0.505	0.511	0.496	0.469	0.464	0.489	4.4	0.10	20.5		
Xylene (Total)	0.630	0.629	0.599	0.555	0.509	0.584	8.9	0.30	20.5		
Styrene	0.682	0.716	0.705	0.659	0.638	0.680	4.7	0.30	20.5		
Bromoform	0.246	0.251	0.261	0.248	0.261	0.253	2.8	0.10	20.5		
Isopropylbenzene	1.614	1.628	1.555	1.463	1.419	1.536	6.0		0.0		
1,1,2,2-Tetrachloroethane	0.585	0.584	0.603	0.571	0.568	0.582	2.4	0.30	20.5		
1,3-Dichlorobenzene	0.765	0.801	0.807	0.763	0.753	0.778	3.1	0.60	20.5		
1,4-Dichlorobenzene	0.886	0.884	0.863	0.801	0.793	0.845	5.3	0.50	20.5		
1,2-Dichlorobenzene	0.763	0.802	0.780	0.741	0.736	0.764	3.6	0.40	20.5		
1,2-Dibromo-3-chloropropane	0.123	0.124	0.123	0.121	0.131	0.124	3.1		0.0		
1,2,4-Trichlorobenzene	0.510	0.528	0.554	0.522	0.531	0.529	3.0	0.20	20.5		

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: V5 Calibration Date(s): 10/09/2007 10/09/2007

Heated Purge: (Y/N) N Calibration Time(s): 11:50 13:36

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRFF02 = V5I1283.D RRFF05 = V5I1282.D

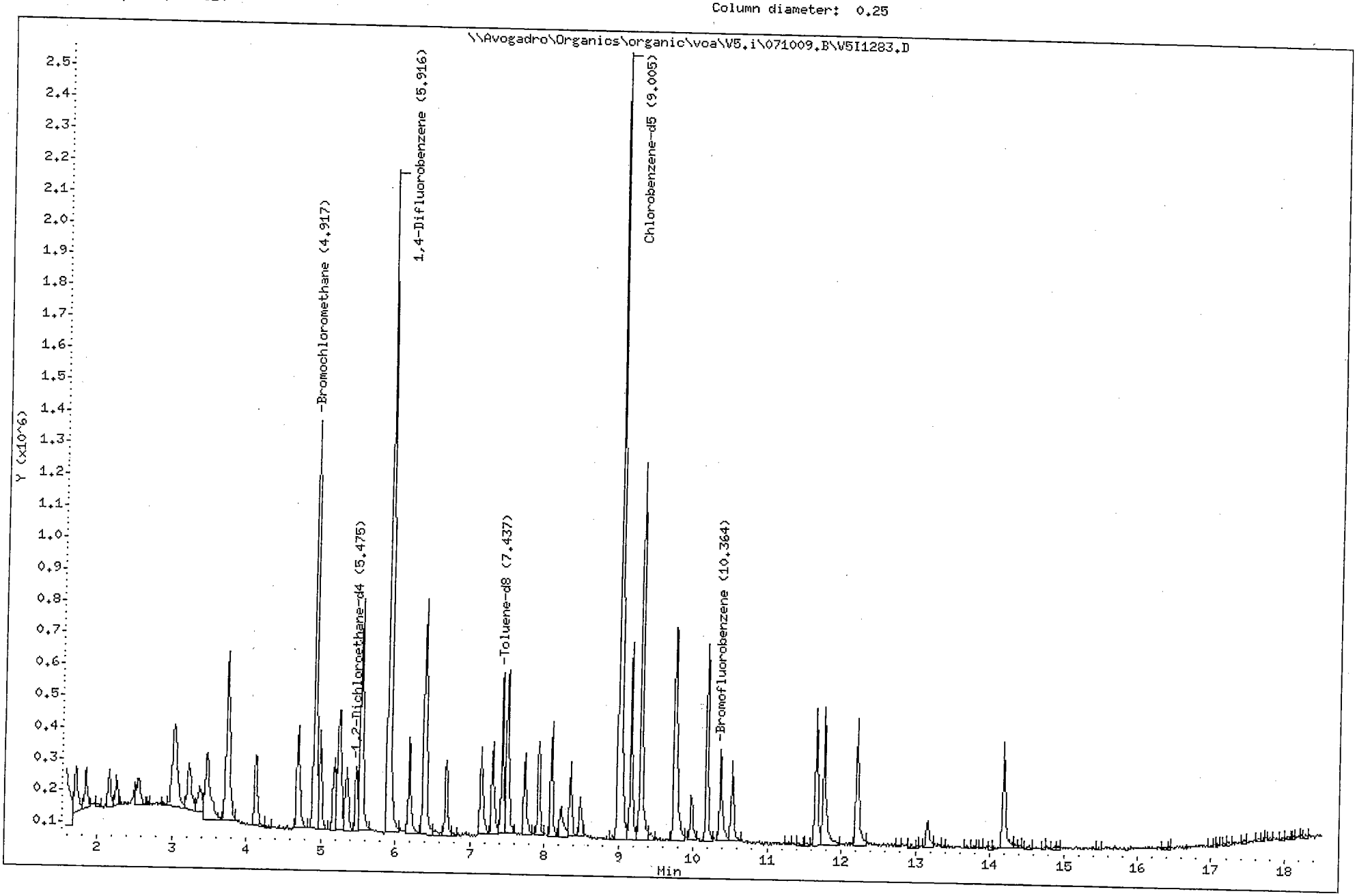
RRFF08 = V5I1281.D RRFF12 = V5I1285.D RRFF16 = V5I1284.D

COMPOUND	RRFF02	RRFF05	RRFF08	RRFF12	RRFF16	RRF	% RSD	MIN RRF	MAX % RSD		
Toluene-d8	1.304	1.319	1.289	1.216	1.188	1.263	4.6		0.0		
Bromofluorobenzene	0.528	0.559	0.533	0.518	0.514	0.530	3.3	0.20	20.5		
1,2-Dichloroethane-d4	2.606	2.731	2.635	2.448	2.533	2.591	4.1		0.0		

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1283.D
Date : 09-OCT-2007 12:43
Client ID: VSTD010E5
Sample Info: 5ML,VSTD010E5,VSTD010E5
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1283.D
Report Date: 10-Oct-2007 15:32

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1283.D
Lab Smp Id: VSTD010E5 Client Smp ID: VSTD010E5
Inj Date : 09-OCT-2007 12:43
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD010E5,VSTD010E5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071009.B\v5clp4.m
Meth Date : 10-Oct-2007 15:30 sbotvin Quant Type: ISTD
Cal Date : 09-OCT-2007 11:50 Cal File: V5I1281.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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	1.596	1.590	(0.325)	102947	10.0000	10
2	Chloromethane	50	1.712	1.729	(0.348)	166316	10.0000	10
3	Vinyl Chloride	62	1.851	1.869	(0.377)	161137	10.0000	10
4	Bromomethane	94	2.153	2.159	(0.438)	93531	10.0000	10
5	Chloroethane	64	2.257	2.252	(0.459)	89380	10.0000	10
6	Trichlorofluoromethane	101	2.559	2.554	(0.521)	166910	10.0000	10
7	1,1-Dichloroethene	96	3.012	3.018	(0.613)	85881	10.0000	11
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.036	3.042	(0.617)	93081	10.0000	11
9	Acetone	43	3.059	3.053	(0.622)	101337	10.0000	11
10	Carbon Disulfide	76	3.233	3.239	(0.658)	329374	10.0000	10
11	Methyl Acetate	43	3.372	3.367	(0.686)	181014	10.0000	12
12	Methylene Chloride	84	3.465	3.471	(0.705)	111432	10.0000	10
13	trans-1,2-Dichloroethene	96	3.732	3.738	(0.759)	135033	10.0000	10
14	Methyl tert-Butyl Ether	73	3.756	3.750	(0.764)	525851	10.0000	10
15	1,1-Dichloroethane	63	4.127	4.122	(0.839)	314406	10.0000	10
16	cis-1,2-Dichloroethene	96	4.696	4.691	(0.955)	144742	10.0000	11
17	2-Butanone	43	4.719	4.702	(0.960)	174746	10.0000	10
* 18	Bromochloromethane	128	4.917	4.911	(1.000)	390350	50.0000	
20	Chloroform	83	4.998	4.993	(1.017)	263084	10.0000	10
21	1,1,1-Trichloroethane	97	5.184	5.178	(0.876)	200530	10.0000	10
22	Cyclohexane	56	5.254	5.248	(0.888)	272742	10.0000	10
23	Carbon Tetrachloride	117	5.358	5.353	(0.906)	166523	10.0000	10

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1283.D
Report Date: 10-Oct-2007 15:32

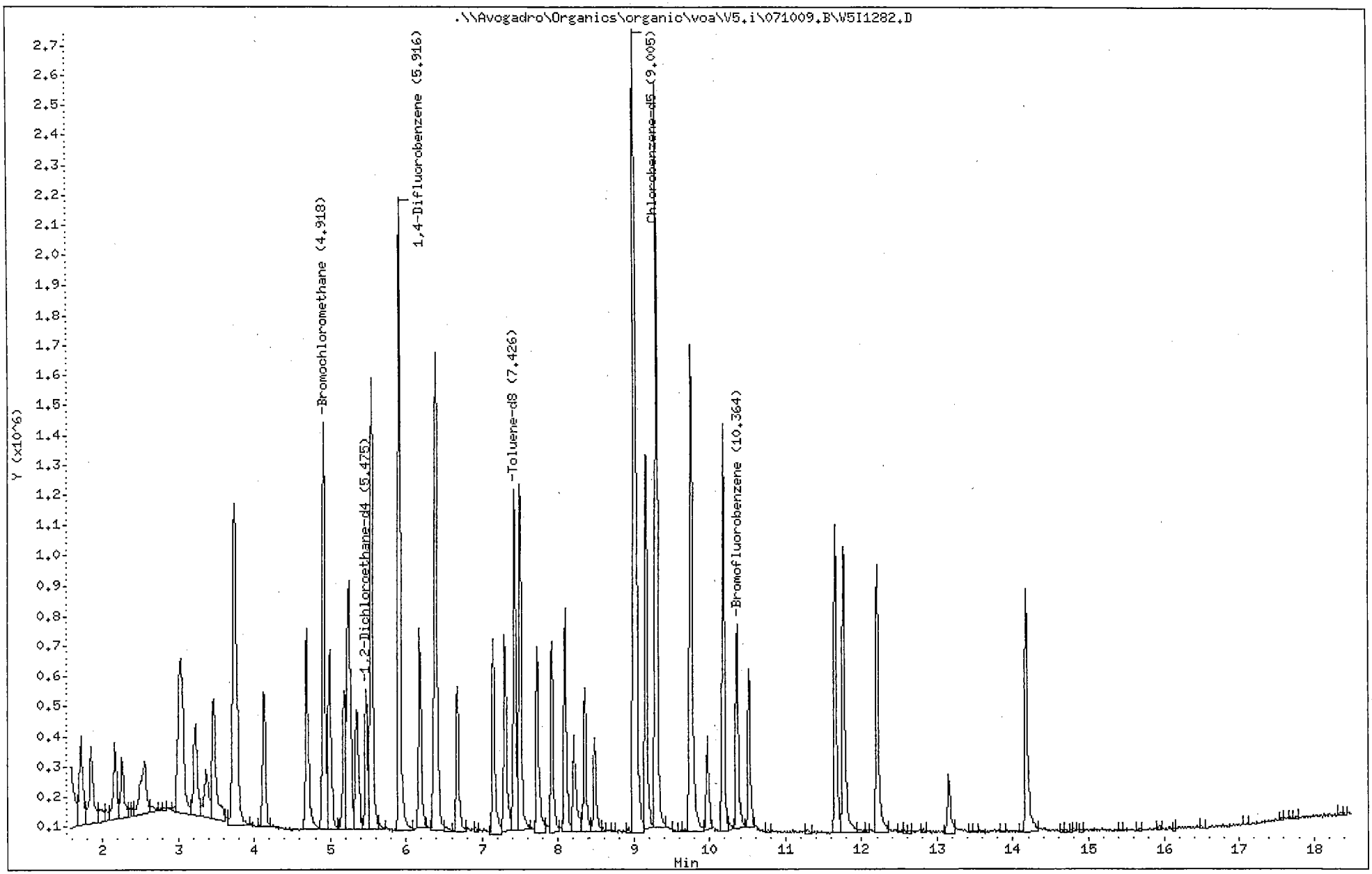
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.474	5.469	(1.113)	203468	10.0000	10
	25 Benzene	78	5.544	5.538	(0.937)	560489	10.0000	10
	26 1,2-Dichloroethane	62	5.556	5.550	(1.130)	249437	10.0000	10
*	27 1,4-Difluorobenzene	114	5.916	5.910	(1.000)	1949857	50.0000	
	28 Trichloroethene	130	6.183	6.177	(1.045)	126679	10.0000	10
	29 Methylcyclohexane	83	6.380	6.386	(1.079)	210012	10.0000	10
	30 1,2-Dichloropropane	63	6.403	6.398	(1.082)	175777	10.0000	10
	31 Bromodichloromethane	83	6.682	6.676	(1.130)	190441	10.0000	10
	33 cis-1,3-Dichloropropene	75	7.147	7.141	(1.208)	227689	10.0000	10
	34 4-Methyl-2-Pentanone	43	7.309	7.292	(0.812)	389692	10.0000	10
$	35 Toluene-d8	98	7.437	7.431	(0.826)	412472	10.0000	10
	36 Toluene	91	7.507	7.501	(0.834)	497523	10.0000	10
	37 trans-1,3-Dichloropropene	75	7.739	7.722	(1.308)	188512	10.0000	9(a)
	38 1,1,2-Trichloroethane	97	7.925	7.919	(1.340)	116878	10.0000	10
	39 Tetrachloroethene	164	8.099	8.093	(0.899)	101386	10.0000	10
	40 2-Hexanone	43	8.227	8.198	(0.914)	208850	10.0000	9(a)
	41 Dibromochloromethane	129	8.354	8.349	(1.412)	139305	10.0000	10
	42 1,2-Dibromoethane	107	8.482	8.477	(0.942)	133407	10.0000	10
*	43 Chlorobenzene-d5	117	9.005	8.999	(1.000)	1581234	50.0000	
	44 Chlorobenzene	112	9.039	9.034	(1.004)	302579	10.0000	10
	45 Ethylbenzene	106	9.167	9.162	(1.018)	159832	10.0000	10
	46 m,p-Xylene	106	9.295	9.289	(1.032)	404917	20.0000	20
	47 o-Xylene	106	9.748	9.742	(1.083)	192508	10.0000	10
	48 Styrene	104	9.771	9.766	(1.085)	215768	10.0000	10
	49 Bromoform	173	9.980	9.963	(1.687)	96004	10.0000	10
	50 Isopropylbenzene	105	10.178	10.172	(1.130)	510371	10.0000	10
$	51 Bromofluorobenzene	95	10.363	10.358	(1.151)	166913	10.0000	10
	52 1,1,2,2-Tetrachloroethane	83	10.526	10.509	(1.169)	185044	10.0000	10
M	53 Xylene (Total)	106				597425	10.0000	30
	54 1,3-Dichlorobenzene	146	11.664	11.647	(1.295)	241938	10.0000	10
	55 1,4-Dichlorobenzene	146	11.769	11.763	(1.307)	280289	10.0000	10
	56 1,2-Dichlorobenzene	146	12.210	12.204	(1.356)	241405	10.0000	10
	57 1,2-Dibromo-3-chloropropane	75	13.162	13.145	(1.462)	38934	10.0000	10
	58 1,2,4-Trichlorobenzene	180	14.184	14.179	(1.575)	161423	10.0000	10

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

BB 10/10/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1282.D
Date : 09-OCT-2007 12:16
Client ID: VSTD020E5
Instrument: V5.i
Sample Info: 5ML,VSTD020E5,VSTD020E5
Purge Volume: 5.0
Operator: HZA SRC: HZA
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1282.D
Report Date: 10-Oct-2007 15:32

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1282.D
Lab Smp Id: VSTD020E5 Client Smp ID: VSTD020E5
Inj Date : 09-OCT-2007 12:16
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD020E5,VSTD020E5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071009.B\v5clp4.m
Meth Date : 10-Oct-2007 15:30 sbotvin Quant Type: ISTD
Cal Date : 09-OCT-2007 11:50 Cal File: V5I1281.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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	1.596	1.590	(0.325)	218782	20.0000	21
2	Chloromethane	50	1.723	1.729	(0.351)	326813	20.0000	20
3	Vinyl Chloride	62	1.851	1.869	(0.377)	330307	20.0000	20
4	Bromomethane	94	2.165	2.159	(0.440)	189870	20.0000	21
5	Chloroethane	64	2.258	2.252	(0.459)	193207	20.0000	22
6	Trichlorofluoromethane	101	2.560	2.554	(0.521)	342206	20.0000	21
7	1,1-Dichloroethene	96	3.012	3.018	(0.613)	161858	20.0000	21
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.047	3.042	(0.620)	188367	20.0000	21
9	Acetone	43	3.059	3.053	(0.622)	206870	20.0000	22
10	Carbon Disulfide	76	3.233	3.239	(0.658)	672874	20.0000	20
11	Methyl Acetate	43	3.372	3.367	(0.686)	295796	20.0000	20
12	Methylene Chloride	84	3.477	3.471	(0.707)	216285	20.0000	20
13	trans-1,2-Dichloroethene	96	3.732	3.738	(0.759)	272863	20.0000	20
14	Methyl tert-Butyl Ether	73	3.756	3.750	(0.764)	1056220	20.0000	20
15	1,1-Dichloroethane	63	4.127	4.122	(0.839)	645019	20.0000	20
16	cis-1,2-Dichloroethene	96	4.696	4.691	(0.955)	277255	20.0000	20
17	2-Butanone	43	4.708	4.702	(0.957)	357516	20.0000	20
* 18	Bromochloromethane	128	4.917	4.911	(1.000)	406098	50.0000	
20	Chloroform	83	4.998	4.993	(1.017)	556083	20.0000	20
21	1,1,1-Trichloroethane	97	5.184	5.178	(0.876)	420271	20.0000	21
22	Cyclohexane	56	5.254	5.248	(0.888)	569291	20.0000	21
23	Carbon Tetrachloride	117	5.347	5.353	(0.904)	352248	20.0000	21

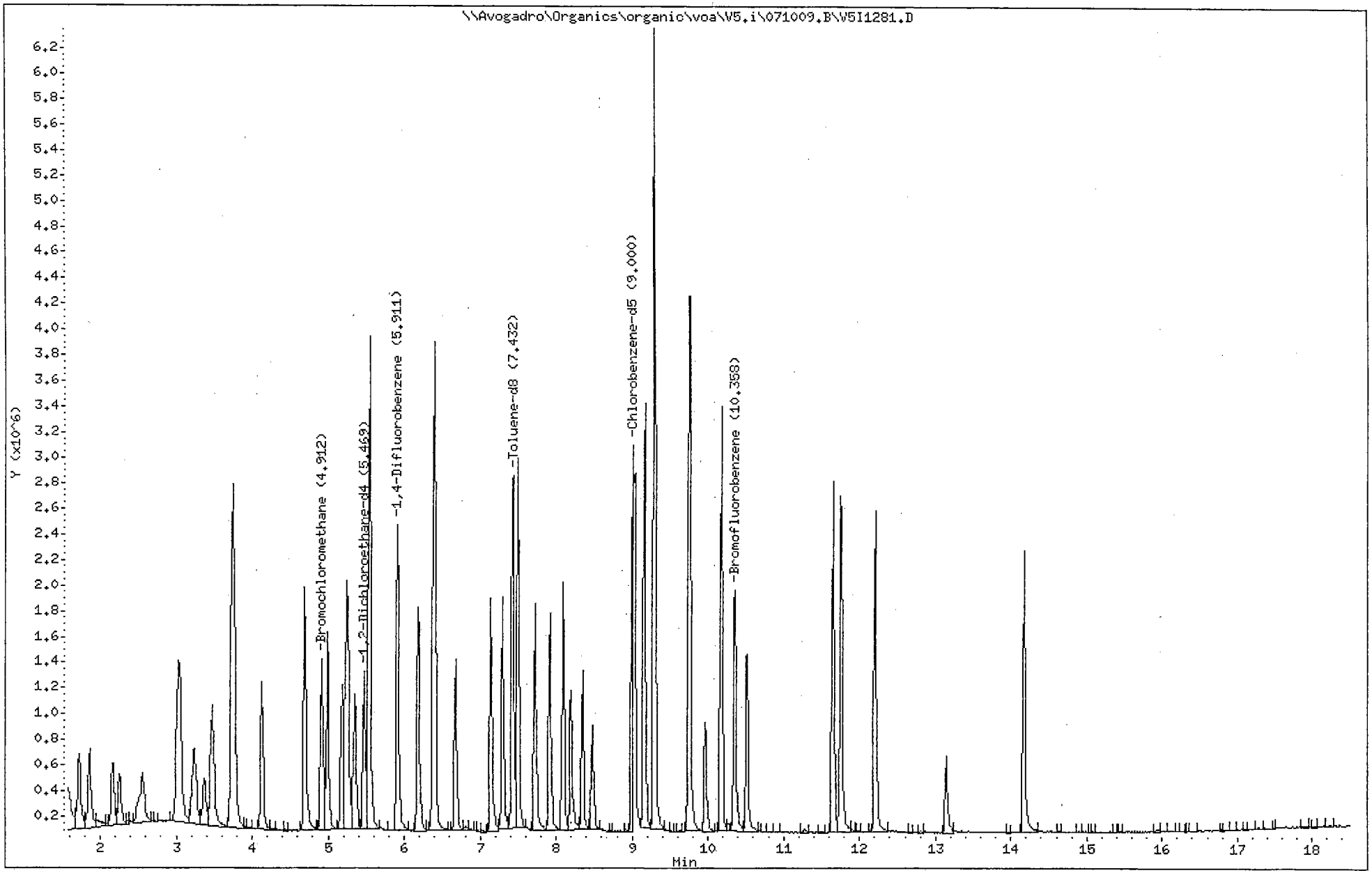
Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1282.D
Report Date: 10-Oct-2007 15:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.474	5.469	(1.113)	443577	20.0000	20
	25 Benzene	78	5.544	5.538	(0.937)	1163267	20.0000	21
	26 1,2-Dichloroethane	62	5.556	5.550	(1.130)	492561	20.0000	20
*	27 1,4-Difluorobenzene	114	5.916	5.910	(1.000)	1952619	50.0000	
	28 Trichloroethene	130	6.183	6.177	(1.045)	262610	20.0000	20
	29 Methylcyclohexane	83	6.392	6.386	(1.080)	456387	20.0000	21
	30 1,2-Dichloropropane	63	6.403	6.398	(1.082)	346400	20.0000	21
	31 Bromodichloromethane	83	6.682	6.676	(1.130)	391824	20.0000	20
	33 cis-1,3-Dichloropropene	75	7.147	7.141	(1.208)	448818	20.0000	20
	34 4-Methyl-2-Pentanone	43	7.298	7.292	(0.810)	777723	20.0000	21
$	35 Toluene-d8	98	7.425	7.431	(0.825)	852918	20.0000	20
	36 Toluene	91	7.495	7.501	(0.832)	1023176	20.0000	20
	37 trans-1,3-Dichloropropene	75	7.727	7.722	(1.306)	432790	20.0000	20
	38 1,1,2-Trichloroethane	97	7.925	7.919	(1.340)	234182	20.0000	20
	39 Tetrachloroethene	164	8.099	8.093	(0.899)	208772	20.0000	20
	40 2-Hexanone	43	8.203	8.198	(0.911)	485557	20.0000	20
	41 Dibromochloromethane	129	8.354	8.349	(1.412)	284414	20.0000	20
	42 1,2-Dibromoethane	107	8.482	8.477	(0.942)	276173	20.0000	20
*	43 Chlorobenzene-d5	117	9.005	8.999	(1.000)	1616347	50.0000	
	44 Chlorobenzene	112	9.040	9.034	(1.004)	631838	20.0000	20
	45 Ethylbenzene	106	9.167	9.162	(1.018)	330563	20.0000	20
	46 m,p-Xylene	106	9.295	9.289	(1.032)	827368	40.0000	41
	47 o-Xylene	106	9.748	9.742	(1.083)	392685	20.0000	20
	48 Styrene	104	9.771	9.766	(1.085)	462733	20.0000	20
	49 Bromoform	173	9.969	9.963	(1.685)	196082	20.0000	20
	50 Isopropylbenzene	105	10.178	10.172	(1.130)	1052595	20.0000	20
$	51 Bromofluorobenzene	95	10.364	10.358	(1.151)	361618	20.0000	20
	52 1,1,2,2-Tetrachloroethane	83	10.515	10.509	(1.168)	377820	20.0000	20
M	53 Xylene (Total)	106				1220053	20.0000	61
	54 1,3-Dichlorobenzene	146	11.653	11.647	(1.294)	517843	20.0000	20
	55 1,4-Dichlorobenzene	146	11.769	11.763	(1.307)	571430	20.0000	20
	56 1,2-Dichlorobenzene	146	12.210	12.204	(1.356)	518487	20.0000	20
	57 1,2-Dibromo-3-chloropropane	75	13.151	13.145	(1.460)	79910	20.0000	20
	58 1,2,4-Trichlorobenzene	180	14.173	14.179	(1.574)	341231	20.0000	20

10/10/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1281.D
Date : 09-OCT-2007 11:50
Client ID: VSTD050E5
Sample Info: 5ML,VSTD050E5,VSTD050E5
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i
Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1281.D
Report Date: 10-Oct-2007 15:32

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1281.D
Lab Smp Id: VSTD050E5 Client Smp ID: VSTD050E5
Inj Date : 09-OCT-2007 11:50
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD050E5,VSTD050E5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071009.B\v5clp4.m
Meth Date : 10-Oct-2007 15:30 sbotvin Quant Type: ISTD
Cal Date : 09-OCT-2007 11:50 Cal File: V5I1281.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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	1.590	1.590	(0.324)	495704	50.0000	50
2	Chloromethane	50	1.729	1.729	(0.352)	841458	50.0000	50
3	Vinyl Chloride	62	1.869	1.869	(0.381)	808673	50.0000	50
4	Bromomethane	94	2.159	2.159	(0.440)	442485	50.0000	50
5	Chloroethane	64	2.252	2.252	(0.459)	421838	50.0000	50
6	Trichlorofluoromethane	101	2.554	2.554	(0.520)	819338	50.0000	50
7	1,1-Dichloroethene	96	3.018	3.018	(0.615)	388735	50.0000	50
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.042	3.042	(0.619)	424770	50.0000	50
9	Acetone	43	3.053	3.053	(0.622)	431986	50.0000	50
10	Carbon Disulfide	76	3.239	3.239	(0.660)	1646893	50.0000	50
11	Methyl Acetate	43	3.367	3.367	(0.686)	743663	50.0000	50
12	Methylene Chloride	84	3.471	3.471	(0.707)	551328	50.0000	50
13	trans-1,2-Dichloroethene	96	3.738	3.738	(0.761)	690404	50.0000	50
14	Methyl tert-Butyl Ether	73	3.750	3.750	(0.764)	2592175	50.0000	50
15	1,1-Dichloroethane	63	4.122	4.122	(0.839)	1623049	50.0000	50
16	cis-1,2-Dichloroethene	96	4.691	4.691	(0.955)	696210	50.0000	50
17	2-Butanone	43	4.702	4.702	(0.957)	907622	50.0000	50
* 18	Bromochloromethane	128	4.911	4.911	(1.000)	414190	50.0000	
20	Chloroform	83	4.993	4.993	(1.017)	1401524	50.0000	50
21	1,1,1-Trichloroethane	97	5.178	5.178	(0.876)	1042599	50.0000	50
22	Cyclohexane	56	5.248	5.248	(0.888)	1306984	50.0000	50
23	Carbon Tetrachloride	117	5.353	5.353	(0.906)	871633	50.0000	50

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1281.D
Report Date: 10-Oct-2007 15:32

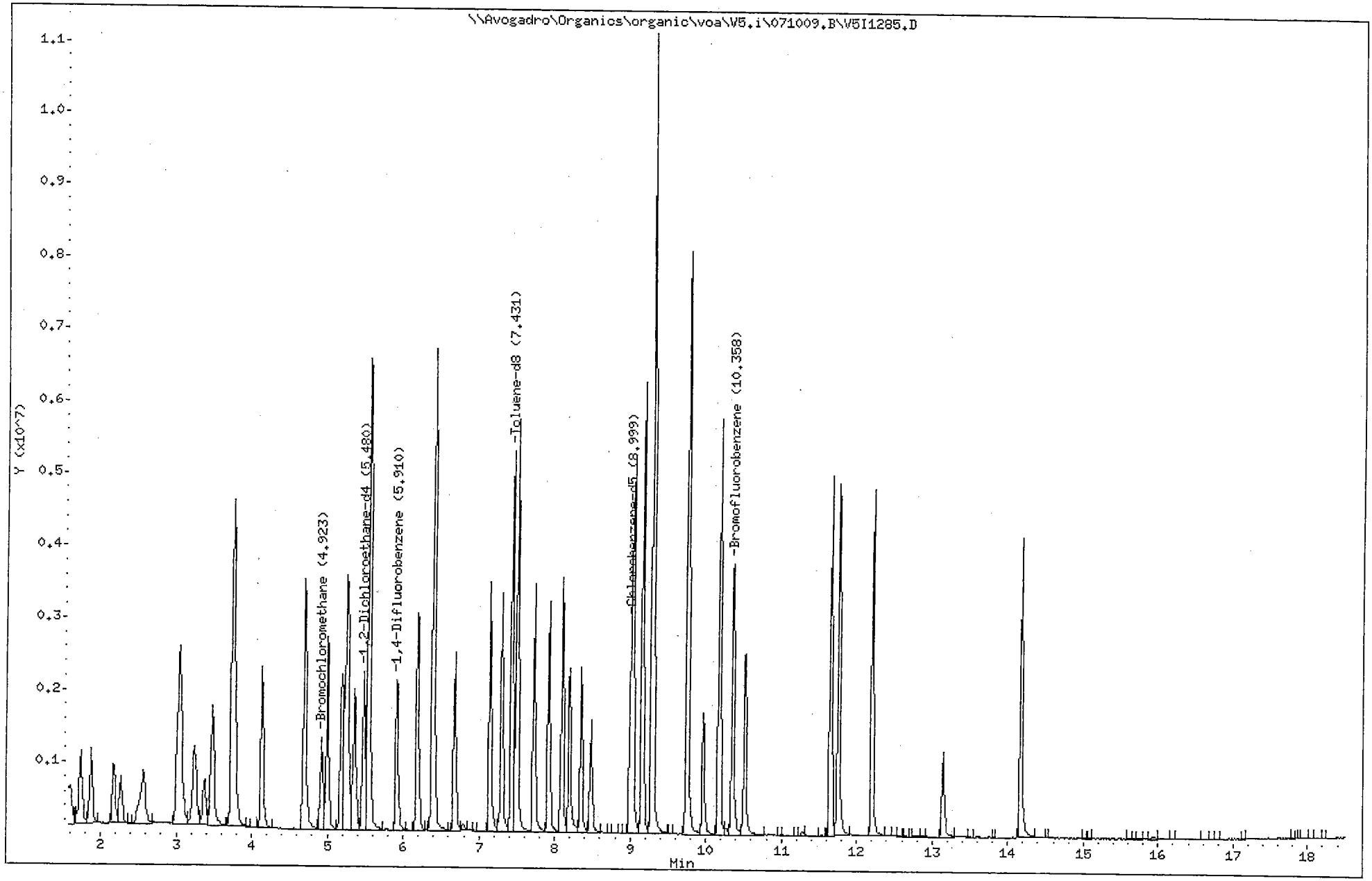
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.469	5.469	(1.113)	1091226	50.0000	50
	25 Benzene	78	5.538	5.538	(0.937)	2858029	50.0000	50
	26 1,2-Dichloroethane	62	5.550	5.550	(1.130)	1242032	50.0000	50
*	27 1,4-Difluorobenzene	114	5.910	5.910	(1.000)	2056086	50.0000	
	28 Trichloroethene	130	6.177	6.177	(1.045)	691880	50.0000	50
	29 Methylcyclohexane	83	6.386	6.386	(1.081)	1034478	50.0000	50
	30 1,2-Dichloropropane	63	6.398	6.398	(1.083)	847380	50.0000	50
	31 Bromodichloromethane	83	6.676	6.676	(1.130)	1016059	50.0000	50
	33 cis-1,3-Dichloropropene	75	7.141	7.141	(1.208)	1188198	50.0000	50
	34 4-Methyl-2-Pentanone	43	7.292	7.292	(0.810)	1849640	50.0000	50
$	35 Toluene-d8	98	7.431	7.431	(0.826)	2117498	50.0000	50
	36 Toluene	91	7.501	7.501	(0.834)	2489699	50.0000	50
	37 trans-1,3-Dichloropropene	75	7.722	7.722	(1.307)	1110228	50.0000	50
	38 1,1,2-Trichloroethane	97	7.919	7.919	(1.340)	598407	50.0000	50
	39 Tetrachloroethene	164	8.093	8.093	(0.899)	536095	50.0000	50
	40 2-Hexanone	43	8.198	8.198	(0.911)	1273610	50.0000	50
	41 Dibromochloromethane	129	8.349	8.349	(1.413)	760181	50.0000	50
	42 1,2-Dibromoethane	107	8.477	8.477	(0.942)	719094	50.0000	50
*	43 Chlorobenzene-d5	117	8.999	8.999	(1.000)	1642398	50.0000	
	44 Chlorobenzene	112	9.034	9.034	(1.004)	1590187	50.0000	50
	45 Ethylbenzene	106	9.162	9.162	(1.018)	815066	50.0000	50
	46 m,p-Xylene	106	9.289	9.289	(1.032)	1956269	100.000	100
	47 o-Xylene	106	9.742	9.742	(1.083)	996257	50.0000	50
	48 Styrene	104	9.766	9.766	(1.085)	1157245	50.0000	50
	49 Bromoform	173	9.963	9.963	(1.686)	535637	50.0000	50
	50 Isopropylbenzene	105	10.172	10.172	(1.130)	2553230	50.0000	50
$	51 Bromofluorobenzene	95	10.358	10.358	(1.151)	875585	50.0000	50
	52 1,1,2,2-Tetrachloroethane	83	10.509	10.509	(1.168)	990757	50.0000	50
M	53 Xylene (Total)	106				2952526	50.0000	150
	54 1,3-Dichlorobenzene	146	11.647	11.647	(1.294)	1324956	50.0000	50
	55 1,4-Dichlorobenzene	146	11.763	11.763	(1.307)	1416953	50.0000	50
	56 1,2-Dichlorobenzene	146	12.204	12.204	(1.356)	1280305	50.0000	50
	57 1,2-Dibromo-3-chloropropane	75	13.145	13.145	(1.461)	202682	50.0000	50
	58 1,2,4-Trichlorobenzene	180	14.179	14.179	(1.576)	909211	50.0000	50

SB 10/10/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1285.D
Date : 09-OCT-2007 13:36
Client ID: VSTD100E5
Sample Info: 5ML,VSTD100E5,VSTD100E5
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1285.D
Report Date: 10-Oct-2007 15:32

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1285.D
Lab Smp Id: VSTD100E5 Client Smp ID: VSTD100E5
Inj Date : 09-OCT-2007 13:36
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD100E5,VSTD100E5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071009.B\v5clp4.m
Meth Date : 10-Oct-2007 15:30 sbotvin Quant Type: ISTD
Cal Date : 09-OCT-2007 11:50 Cal File: V5I1281.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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	1.601	1.590	(0.325)	1019443	100.000	100
2	Chloromethane	50	1.740	1.729	(0.354)	1565606	100.000	96
3	Vinyl Chloride	62	1.880	1.869	(0.382)	1520914	100.000	96
4	Bromomethane	94	2.170	2.159	(0.441)	794734	100.000	93
5	Chloroethane	64	2.263	2.252	(0.460)	749104	100.000	91
6	Trichlorofluoromethane	101	2.565	2.554	(0.521)	1563206	100.000	98
7	1,1-Dichloroethene	96	3.029	3.018	(0.615)	727741	100.000	95
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.052	3.042	(0.620)	839844	100.000	98
9	Acetone	43	3.052	3.053	(0.620)	848701	100.000	94
10	Carbon Disulfide	76	3.238	3.239	(0.658)	3077373	100.000	97
11	Methyl Acetate	43	3.378	3.367	(0.686)	1358813	100.000	92
12	Methylene Chloride	84	3.482	3.471	(0.707)	992092	100.000	95
13	trans-1,2-Dichloroethene	96	3.738	3.738	(0.759)	1202214	100.000	95
14	Methyl tert-Butyl Ether	73	3.761	3.750	(0.764)	4619084	100.000	94
15	1,1-Dichloroethane	63	4.132	4.122	(0.840)	2937000	100.000	96
16	cis-1,2-Dichloroethene	96	4.690	4.691	(0.953)	1287594	100.000	96
17	2-Butanone	43	4.702	4.702	(0.955)	1661799	100.000	97
* 18	Bromochloromethane	128	4.922	4.911	(1.000)	394977	50.0000	
20	Chloroform	83	4.992	4.993	(1.014)	2559221	100.000	98
21	1,1,1-Trichloroethane	97	5.189	5.178	(0.876)	1958748	100.000	98
22	Cyclohexane	56	5.247	5.248	(0.886)	2443761	100.000	95
23	Carbon Tetrachloride	117	5.352	5.353	(0.904)	1629920	100.000	97

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1285.D
Report Date: 10-Oct-2007 15:32

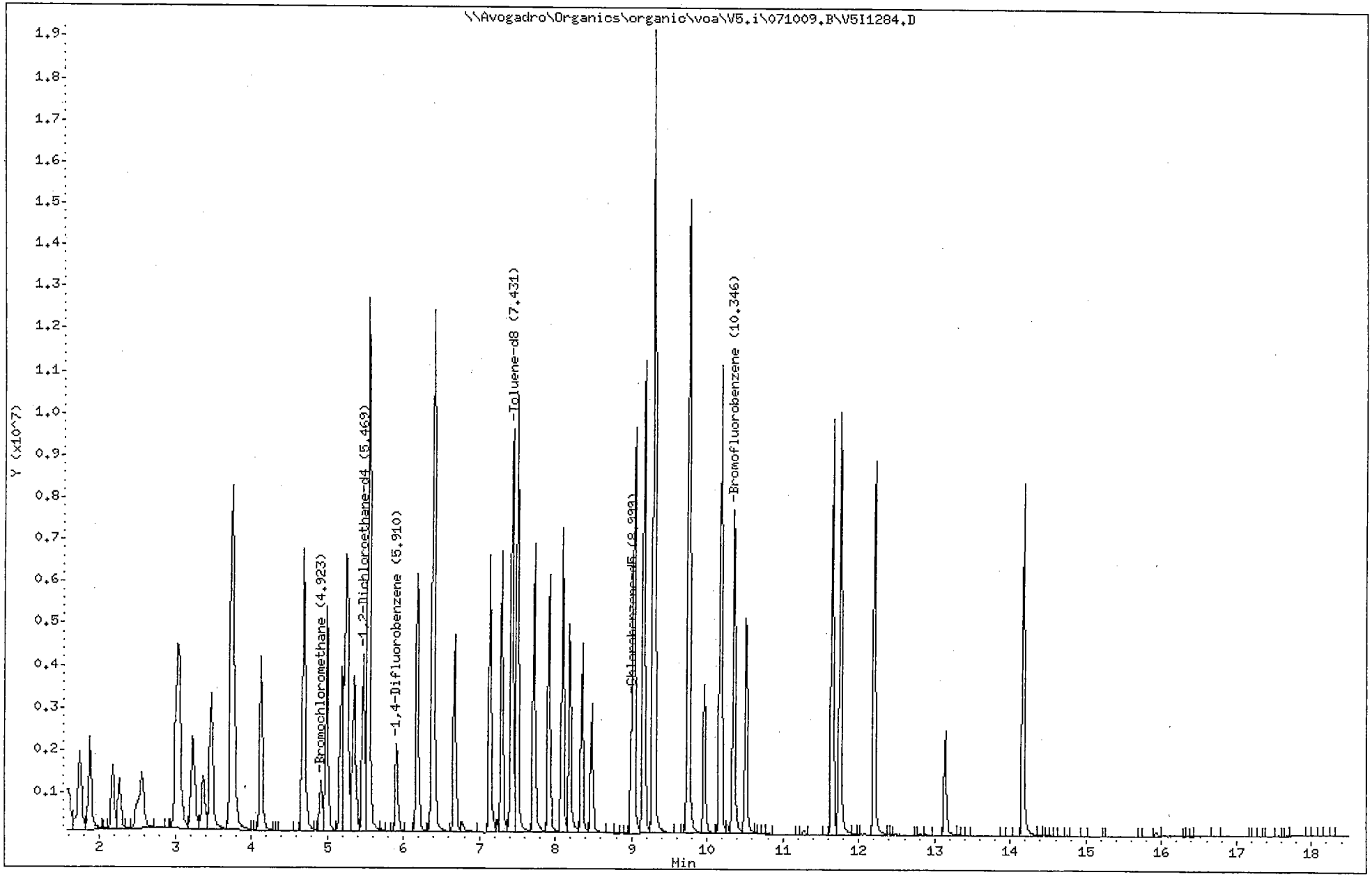
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.468	5.469	(1.111)	1934115	100.000	95
	25 Benzene	78	5.538	5.538	(0.935)	5051234	100.000	94
	26 1,2-Dichloroethane	62	5.549	5.550	(1.127)	2243306	100.000	95
*	27 1,4-Difluorobenzene	114	5.921	5.910	(1.000)	1957919	50.0000	
	28 Trichloroethene	130	6.188	6.177	(1.045)	1237185	100.000	97
	29 Methylcyclohexane	83	6.385	6.386	(1.078)	1890524	100.000	94
	30 1,2-Dichloropropane	63	6.397	6.398	(1.080)	1461445	100.000	91
	31 Bromodichloromethane	83	6.676	6.676	(1.127)	1855610	100.000	97
	33 cis-1,3-Dichloropropene	75	7.140	7.141	(1.206)	2129514	100.000	97
	34 4-Methyl-2-Pentanone	43	7.291	7.292	(0.810)	3377766	100.000	94
$	35 Toluene-d8	98	7.431	7.431	(0.826)	3817201	100.000	96
	36 Toluene	91	7.500	7.501	(0.834)	4528861	100.000	96
	37 trans-1,3-Dichloropropene	75	7.721	7.722	(1.304)	2015309	100.000	99
	38 1,1,2-Trichloroethane	97	7.918	7.919	(1.337)	1090866	100.000	97
	39 Tetrachloroethene	164	8.093	8.093	(0.899)	952397	100.000	96
	40 2-Hexanone	43	8.197	8.198	(0.911)	2378664	100.000	100
	41 Dibromochloromethane	129	8.348	8.349	(1.410)	1366705	100.000	97
	42 1,2-Dibromoethane	107	8.476	8.477	(0.942)	1311061	100.000	98
*	43 Chlorobenzene-d5	117	8.998	8.999	(1.000)	1569205	50.0000	
	44 Chlorobenzene	112	9.033	9.034	(1.004)	2830126	100.000	96
	45 Ethylbenzene	106	9.161	9.162	(1.018)	1471526	100.000	96
	46 m,p-Xylene	106	9.289	9.289	(1.032)	3483961	200.000	190
	47 o-Xylene	106	9.742	9.742	(1.083)	1739914	100.000	95
	48 Styrene	104	9.765	9.766	(1.085)	2067845	100.000	97
	49 Bromoform	173	9.962	9.963	(1.683)	970147	100.000	98
	50 Isopropylbenzene	105	10.183	10.172	(1.132)	4590751	100.000	95
$	51 Bromofluorobenzene	95	10.345	10.358	(1.150)	1626214	100.000	98
	52 1,1,2,2-Tetrachloroethane	83	10.508	10.509	(1.168)	1790991	100.000	98
M	53 Xylene (Total)	106				5223875	100.000	280
	54 1,3-Dichlorobenzene	146	11.646	11.647	(1.294)	2393981	100.000	98
	55 1,4-Dichlorobenzene	146	11.762	11.763	(1.307)	2514060	100.000	95
	56 1,2-Dichlorobenzene	146	12.204	12.204	(1.356)	2326335	100.000	97
	57 1,2-Dibromo-3-chloropropane	75	13.144	13.145	(1.461)	381239	100.000	98
	58 1,2,4-Trichlorobenzene	180	14.178	14.179	(1.576)	1638240	100.000	99

SB 10/10/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1284.D
Date : 09-OCT-2007 13:10
Client ID: VSTD200E5
Sample Info: 5ML,VSTD200E5,VSTD200E5
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1284.D
Report Date: 10-Oct-2007 15:32

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1284.D
Lab Smp Id: VSTD200E5 Client Smp ID: VSTD200E5
Inj Date : 09-OCT-2007 13:10
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD200E5,VSTD200E5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071009.B\v5clp4.m
Meth Date : 10-Oct-2007 15:30 sbotvin Quant Type: ISTD
Cal Date : 09-OCT-2007 11:50 Cal File: V5I1281.D
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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	1.601	1.590	(0.325)	1938135	200.000	200
2	Chloromethane	50	1.741	1.729	(0.354)	3322078	200.000	210(A)
3	Vinyl Chloride	62	1.880	1.869	(0.382)	3170980	200.000	200
4	Bromomethane	94	2.182	2.159	(0.443)	1489382	200.000	180
5	Chloroethane	64	2.263	2.252	(0.460)	1386752	200.000	170
6	Trichlorofluoromethane	101	2.565	2.554	(0.521)	2971077	200.000	190
7	1,1-Dichloroethene	96	3.018	3.018	(0.613)	1353991	200.000	180
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.041	3.042	(0.618)	1544833	200.000	180
9	Acetone	43	3.053	3.053	(0.620)	1607303	200.000	180
10	Carbon Disulfide	76	3.227	3.239	(0.656)	5921186	200.000	190
11	Methyl Acetate	43	3.366	3.367	(0.684)	2666873	200.000	180
12	Methylene Chloride	84	3.471	3.471	(0.705)	1948361	200.000	190
13	trans-1,2-Dichloroethene	96	3.738	3.738	(0.759)	2180521	200.000	170
14	Methyl tert-Butyl Ether	73	3.761	3.750	(0.764)	8644777	200.000	180
15	1,1-Dichloroethane	63	4.133	4.122	(0.840)	5606141	200.000	190
16	cis-1,2-Dichloroethene	96	4.690	4.691	(0.953)	2468347	200.000	190
17	2-Butanone	43	4.690	4.702	(0.953)	3264496	200.000	190
* 18	Bromochloromethane	128	4.923	4.911	(1.000)	385413	50.0000	
20	Chloroform	83	4.992	4.993	(1.014)	4862446	200.000	190
21	1,1,1-Trichloroethane	97	5.190	5.178	(0.878)	3783965	200.000	190
22	Cyclohexane	56	5.259	5.248	(0.890)	4596829	200.000	180
23	Carbon Tetrachloride	117	5.352	5.353	(0.906)	3151252	200.000	190

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1284.D
Report Date: 10-Oct-2007 15:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.468	5.469	(1.111)	3904718	200.000	190
	25 Benzene	78	5.538	5.538	(0.937)	9189408	200.000	180
	26 1,2-Dichloroethane	62	5.550	5.550	(1.127)	4332406	200.000	190
*	27 1,4-Difluorobenzene	114	5.910	5.910	(1.000)	1883143	50.0000	
	28 Trichloroethene	130	6.177	6.177	(1.045)	2377855	200.000	190
	29 Methylcyclohexane	83	6.386	6.386	(1.081)	3489792	200.000	180
	30 1,2-Dichloropropane	63	6.397	6.398	(1.083)	2790442	200.000	180
	31 Bromodichloromethane	83	6.676	6.676	(1.130)	3561965	200.000	190
	33 cis-1,3-Dichloropropene	75	7.141	7.141	(1.208)	4000353	200.000	190
	34 4-Methyl-2-Pentanone	43	7.292	7.292	(0.810)	6580490	200.000	190
$	35 Toluene-d8	98	7.431	7.431	(0.826)	7100263	200.000	190
	36 Toluene	91	7.501	7.501	(0.834)	8291056	200.000	180
	37 trans-1,3-Dichloropropene	75	7.721	7.722	(1.307)	3890137	200.000	200
	38 1,1,2-Trichloroethane	97	7.919	7.919	(1.340)	2057180	200.000	190
	39 Tetrachloroethene	164	8.093	8.093	(0.899)	1863596	200.000	190
	40 2-Hexanone	43	8.186	8.198	(0.910)	4737535	200.000	210(A)
	41 Dibromochloromethane	129	8.348	8.349	(1.413)	2635944	200.000	190
	42 1,2-Dibromoethane	107	8.476	8.477	(0.942)	2521537	200.000	200
*	43 Chlorobenzene-d5	117	8.999	8.999	(1.000)	1493540	50.0000	
	44 Chlorobenzene	112	9.034	9.034	(1.004)	5377382	200.000	190
	45 Ethylbenzene	106	9.161	9.162	(1.018)	2770540	200.000	190
	46 m,p-Xylene	106	9.289	9.289	(1.032)	5961363	400.000	340
	47 o-Xylene	106	9.742	9.742	(1.083)	3163652	200.000	180
	48 Styrene	104	9.765	9.766	(1.085)	3810914	200.000	190
	49 Bromoform	173	9.963	9.963	(1.686)	1964063	200.000	200
	50 Isopropylbenzene	105	10.172	10.172	(1.130)	8476898	200.000	180
$	51 Bromofluorobenzene	95	10.346	10.358	(1.150)	3070608	200.000	190
	52 1,1,2,2-Tetrachloroethane	83	10.508	10.509	(1.168)	3395718	200.000	190
M	53 Xylene (Total)	106				9125015	200.000	520
	54 1,3-Dichlorobenzene	146	11.647	11.647	(1.294)	4499047	200.000	190
	55 1,4-Dichlorobenzene	146	11.751	11.763	(1.306)	4735718	200.000	190
	56 1,2-Dichlorobenzene	146	12.204	12.204	(1.356)	4397479	200.000	190
	57 1,2-Dibromo-3-chloropropane	75	13.145	13.145	(1.461)	784395	200.000	210(A)
	58 1,2,4-Trichlorobenzene	180	14.167	14.179	(1.574)	3169378	200.000	200

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

SB 10/10/07

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: V5 Calibration Date: 11/03/2007 Time: 03:49

Lab File ID: V5I1981.D Init Calib. Date(s): 10/09/07 10/09/2007

EPA Sample No.(SSTD050##): VSTD0505B Init Calib. Time(s): 11:50 13:36

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.282	0.922		-28.1	
Chloromethane	2.062	1.824		-11.5	
Vinyl chloride	2.006	1.955	0.100	-2.5	25.0
Bromomethane	1.081	1.173	0.100	8.5	25.0
Chloroethane	1.040	1.097		5.5	
Trichlorofluoromethane	2.026	2.433		20.1	
1,1-Dichloroethene	0.967	1.069	0.100	10.5	25.0
1,1,2-Trichloro-1,2,2-trifluoroe	1.089	1.151		5.7	
Acetone	1.146	1.271		10.9	
Carbon disulfide	4.015	3.816		-5.0	
Methyl acetate	1.877	1.852		-1.3	
Methylene chloride	1.322	1.322		0.0	
trans-1,2-Dichloroethene	1.603	1.552		-3.2	
Methyl tert-butyl ether	6.190	5.401		-12.7	
1,1-Dichloroethane	3.854	3.410	0.200	-11.5	25.0
cis-1,2-Dichloroethene	1.695	1.579		-6.8	
2-Butanone	2.170	1.728		-20.4	
Chloroform	3.314	3.050	0.200	-8.0	25.0
1,1,1-Trichloroethane	0.512	0.540	0.100	5.5	25.0
Cyclohexane	0.660	0.538		-18.5	
Carbon tetrachloride	0.427	0.475	0.100	11.2	25.0
Benzene	1.365	1.163	0.500	-14.8	25.0
1,2-Dichloroethane	2.975	3.032	0.100	1.9	25.0
Trichloroethene	0.326	0.334	0.300	2.5	25.0
Methylcyclohexane	0.514	0.413		-19.6	
1,2-Dichloropropane	0.410	0.351		-14.4	
Bromodichloromethane	0.486	0.467	0.200	-3.9	25.0
cis-1,3-Dichloropropene	0.562	0.439	0.200	-21.9	25.0
4-Methyl-2-pentanone	1.148	0.914		-20.4	
Toluene	1.501	1.406	0.400	-6.3	25.0
trans-1,3-Dichloropropene	0.522	0.431	0.100	-17.4	25.0
1,1,2-Trichloroethane	0.289	0.284	0.100	-1.7	25.0
Tetrachloroethene	0.317	0.320	0.200	0.9	25.0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: V5 Calibration Date: 11/03/2007 Time: 03:49

Lab File ID: V5I1981.D Init Calib. Date(s): 10/09/07 10/09/2007

EPA Sample No.(SSTD050##): VSTD0505B Init Calib. Time(s): 11:50 13:36

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
2-Hexanone	0.747	0.625		-16.3	
Dibromochloromethane	0.358	0.355	0.100	-0.8	25.0
1,2-Dibromoethane	0.425	0.448		5.4	
Chlorobenzene	0.941	0.970	0.500	3.1	25.0
Ethylbenzene	0.489	0.478	0.100	-2.2	25.0
Xylene (Total)	0.584	0.564	0.300	-3.4	25.0
Styrene	0.680	0.649	0.300	-4.6	25.0
Bromoform	0.253	0.248	0.100	-2.0	25.0
Isopropylbenzene	1.536	1.516		-1.3	
1,1,2,2-Tetrachloroethane	0.582	0.524	0.300	-10.0	25.0
1,3-Dichlorobenzene	0.778	0.734	0.600	-5.7	25.0
1,4-Dichlorobenzene	0.845	0.827	0.500	-2.1	25.0
1,2-Dichlorobenzene	0.764	0.720	0.400	-5.8	25.0
1,2-Dibromo-3-chloropropane	0.124	0.114		-8.1	
1,2,4-Trichlorobenzene	0.529	0.516	0.200	-2.5	25.0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: V5 Calibration Date: 11/03/2007 Time: 03:49

Lab File ID: V5I1981.D Init Calib. Date(s): 10/09/07 10/09/2007

EPA Sample No.(SSTD050##): VSTD0505B Init Calib. Time(s): 11:50 13:36

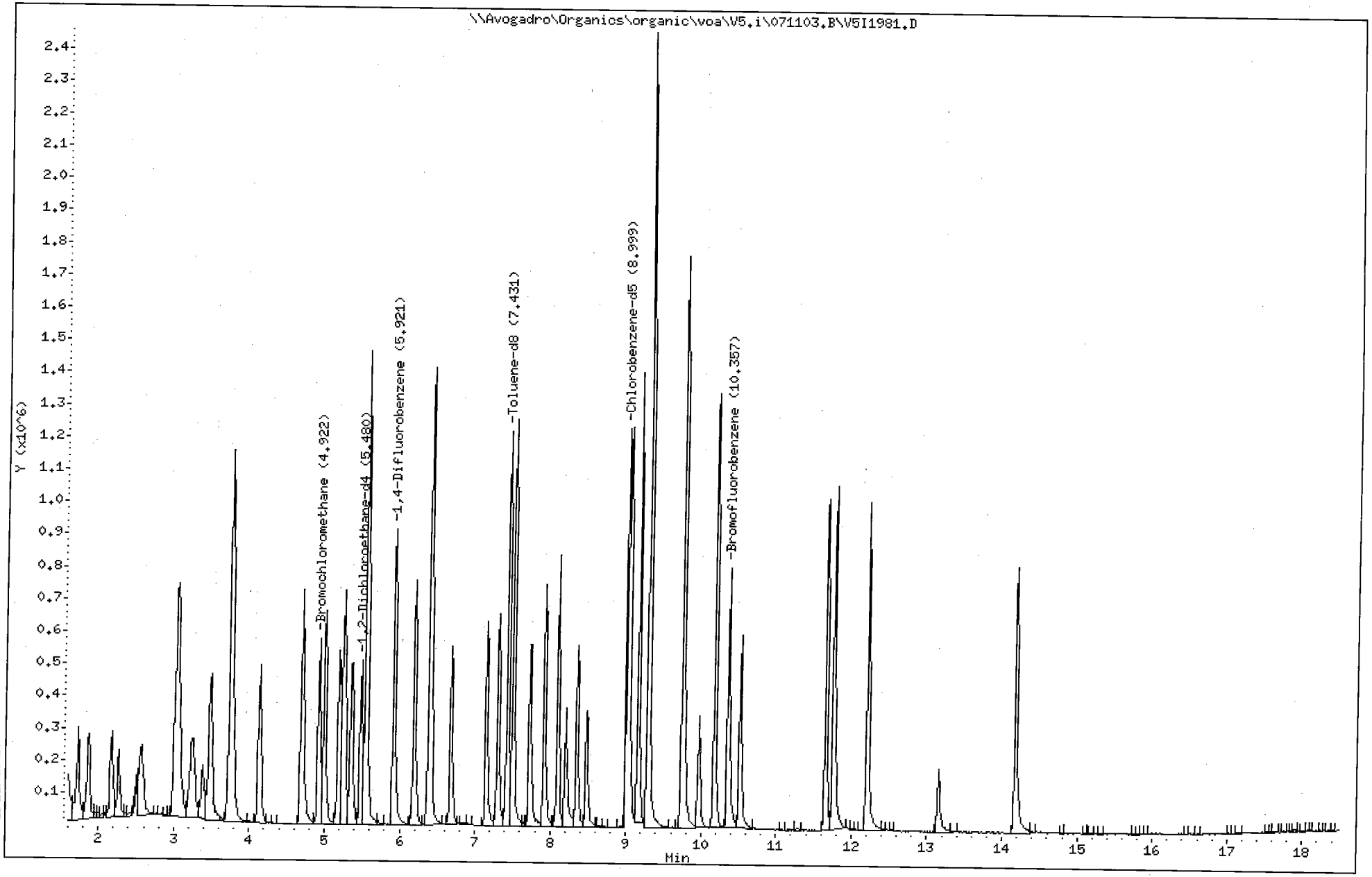
GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Toluene-d8	1.263	1.212		-4.0	
Bromofluorobenzene	0.530	0.494	0.200	-6.8	25.0
1,2-Dichloroethane-d4	2.591	2.605		0.5	

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1981.D
Date : 03-NOV-2007 03:49
Client ID: VSTD0505B
Sample Info: 5ML,VSTD0505B,VSTD0505B
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i
Operator: HZA
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1981.D
Report Date: 06-Nov-2007 10:31

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1981.D
Lab Smp Id: VSTD0505B Client Smp ID: VSTD0505B
Inj Date : 03-NOV-2007 03:49
Operator : HZA Inst ID: V5.i
Smp Info : 5ML,VSTD0505B,VSTD0505B
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET103

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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	1.601	1.601	(0.325)	182515	50.0000	36
2	Chloromethane	50	1.728	1.728	(0.351)	361322	50.0000	44
3	Vinyl Chloride	62	1.868	1.868	(0.380)	387117	50.0000	49
4	Bromomethane	94	2.170	2.170	(0.441)	232398	50.0000	54
5	Chloroethane	64	2.263	2.263	(0.460)	217186	50.0000	53
6	Trichlorofluoromethane	101	2.564	2.564	(0.521)	481780	50.0000	60
7	1,1-Dichloroethene	96	3.029	3.029	(0.615)	211789	50.0000	55
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.052	3.052	(0.620)	227912	50.0000	53
9	Acetone	43	3.052	3.052	(0.620)	251764	50.0000	55
10	Carbon Disulfide	76	3.250	3.250	(0.660)	755669	50.0000	48
11	Methyl Acetate	43	3.377	3.377	(0.686)	366794	50.0000	49
12	Methylene Chloride	84	3.482	3.482	(0.707)	261826	50.0000	50
13	trans-1,2-Dichloroethene	96	3.737	3.737	(0.759)	307366	50.0000	48
14	Methyl tert-Butyl Ether	73	3.761	3.761	(0.764)	1069696	50.0000	44
15	1,1-Dichloroethane	63	4.132	4.132	(0.840)	675360	50.0000	44
16	cis-1,2-Dichloroethene	96	4.701	4.701	(0.955)	312784	50.0000	47
17	2-Butanone	43	4.713	4.713	(0.958)	342196	50.0000	40
* 18	Bromochloromethane	128	4.922	4.922	(1.000)	198046	50.0000	
20	Chloroform	83	5.003	5.003	(1.017)	603968	50.0000	46
21	1,1,1-Trichloroethane	97	5.189	5.189	(0.876)	500049	50.0000	53
22	Cyclohexane	56	5.247	5.247	(0.886)	498177	50.0000	41

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1981.D
Report Date: 06-Nov-2007 10:31

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Carbon Tetrachloride	117	5.352	5.352	(0.904)	440066	50.0000	56
$	24 1,2-Dichloroethane-d4	65	5.479	5.479	(1.113)	515902	50.0000	50
	25 Benzene	78	5.537	5.537	(0.935)	1077238	50.0000	43
	26 1,2-Dichloroethane	62	5.549	5.549	(1.127)	600505	50.0000	51
*	27 1,4-Difluorobenzene	114	5.921	5.921	(1.000)	926085	50.0000	
	28 Trichloroethene	130	6.188	6.188	(1.045)	308954	50.0000	51
	29 Methylcyclohexane	83	6.385	6.385	(1.078)	382524	50.0000	40
	30 1,2-Dichloropropane	63	6.397	6.397	(1.080)	324921	50.0000	43
	31 Bromodichloromethane	83	6.675	6.675	(1.127)	432736	50.0000	48
	33 cis-1,3-Dichloropropene	75	7.140	7.140	(1.206)	406621	50.0000	39
	34 4-Methyl-2-Pentanone	43	7.303	7.303	(0.812)	665367	50.0000	40
$	35 Toluene-d8	98	7.430	7.430	(0.826)	882337	50.0000	48
	36 Toluene	91	7.500	7.500	(0.834)	1023950	50.0000	47
	37 trans-1,3-Dichloropropene	75	7.732	7.732	(1.306)	399533	50.0000	41
	38 1,1,2-Trichloroethane	97	7.918	7.918	(1.337)	263000	50.0000	49
	39 Tetrachloroethene	164	8.092	8.092	(0.899)	232949	50.0000	50
	40 2-Hexanone	43	8.197	8.197	(0.911)	455484	50.0000	42
	41 Dibromochloromethane	129	8.348	8.348	(1.410)	328486	50.0000	50
	42 1,2-Dibromoethane	107	8.475	8.475	(0.942)	326232	50.0000	53
*	43 Chlorobenzene-d5	117	8.998	8.998	(1.000)	728221	50.0000	
	44 Chlorobenzene	112	9.033	9.033	(1.004)	706236	50.0000	52
	45 Ethylbenzene	106	9.161	9.161	(1.018)	348384	50.0000	49
	46 m,p-Xylene	106	9.288	9.288	(1.032)	824440	100.000	97
	47 o-Xylene	106	9.741	9.741	(1.083)	410713	50.0000	49
	48 Styrene	104	9.765	9.765	(1.085)	472966	50.0000	48
	49 Bromoform	173	9.974	9.974	(1.684)	229528	50.0000	49
	50 Isopropylbenzene	105	10.183	10.183	(1.132)	1103822	50.0000	49
$	51 Bromofluorobenzene	95	10.357	10.357	(1.151)	359545	50.0000	47
	52 1,1,2,2-Tetrachloroethane	83	10.519	10.519	(1.169)	381654	50.0000	45
M	53 Xylene (Total)	106				1235153	50.0000	150
	54 1,3-Dichlorobenzene	146	11.657	11.657	(1.296)	534192	50.0000	47
	55 1,4-Dichlorobenzene	146	11.762	11.762	(1.307)	602058	50.0000	49
	56 1,2-Dichlorobenzene	146	12.203	12.203	(1.356)	524630	50.0000	47
	57 1,2-Dibromo-3-chloropropane	75	13.156	13.156	(1.462)	82891	50.0000	46
	58 1,2,4-Trichlorobenzene	180	14.178	14.178	(1.576)	375737	50.0000	49

HZA 11/06/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1280.D

Date : 09-OCT-2007 09:30

Client ID: BFBE5

Instrument: v5.i

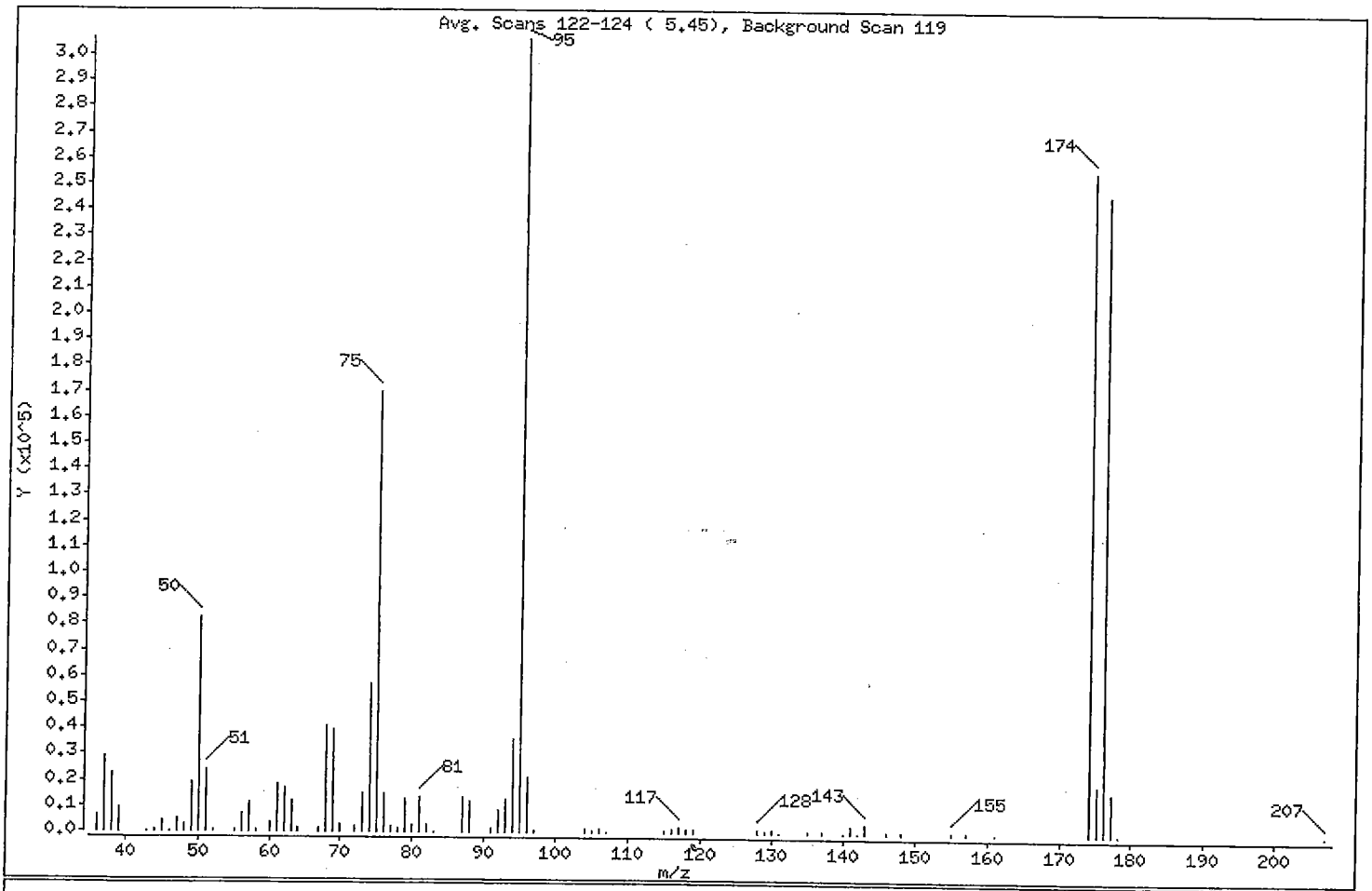
Sample Info: 2UL,BFBE5,BFBE5

Operator: HZA

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	26.99
75	30.00 - 66.00% of mass 95	55.48
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	83.43
175	4.00 - 9.00% of mass 174	6.19 (7.42)
176	93.00 - 101.00% of mass 174	80.38 (96.34)
177	5.00 - 9.00% of mass 176	5.21 (6.48)

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1280.D

Date : 09-OCT-2007 09:30

Client ID: BFBE5

Instrument: v5.i

Sample Info: 2UL,BFBE5,BFBE5

Operator: HZA

Column phase: DB-624

Column diameter: 0.25

Data File: V5I1280.D

Spectrum: Avg. Scans 122-124 (5.45), Background Scan 119

Location of Maximum: 95.00

Number of points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6091	62.00	16576	88.00	11647	131.00	248
37.00	29032	63.00	12267	91.00	1487	135.00	474
38.00	22560	64.00	1413	92.00	8506	137.00	442
39.00	8937	67.00	1285	93.00	12994	140.00	182
43.00	92	68.00	40552	94.00	35696	141.00	3094
44.00	850	69.00	39528	95.00	306368	142.00	182
45.00	3977	70.00	3123	96.00	20912	143.00	3411
46.00	170	72.00	2359	97.00	856	146.00	411
47.00	4976	73.00	15078	104.00	1339	148.00	776
48.00	3035	74.00	56840	105.00	397	155.00	743
49.00	19160	75.00	169984	106.00	1619	157.00	467
50.00	82688	76.00	14922	107.00	176	161.00	185
51.00	23880	77.00	2192	115.00	564	174.00	255616
52.00	1017	78.00	1631	116.00	1108	175.00	18960
55.00	965	79.00	12631	117.00	1893	176.00	246272
56.00	7070	80.00	3130	118.00	1167	177.00	15961
57.00	11045	81.00	13461	119.00	1473	178.00	177
58.00	436	82.00	2664	128.00	1281	207.00	165
60.00	3838	83.00	189	129.00	446		
61.00	18632	87.00	13418	130.00	1149		

Data File: \\Avogadro\Organics\organic\voa\V5.i\071009.B\V5I1280.D

Date : 09-OCT-2007 09:30

Client ID: BFBE5

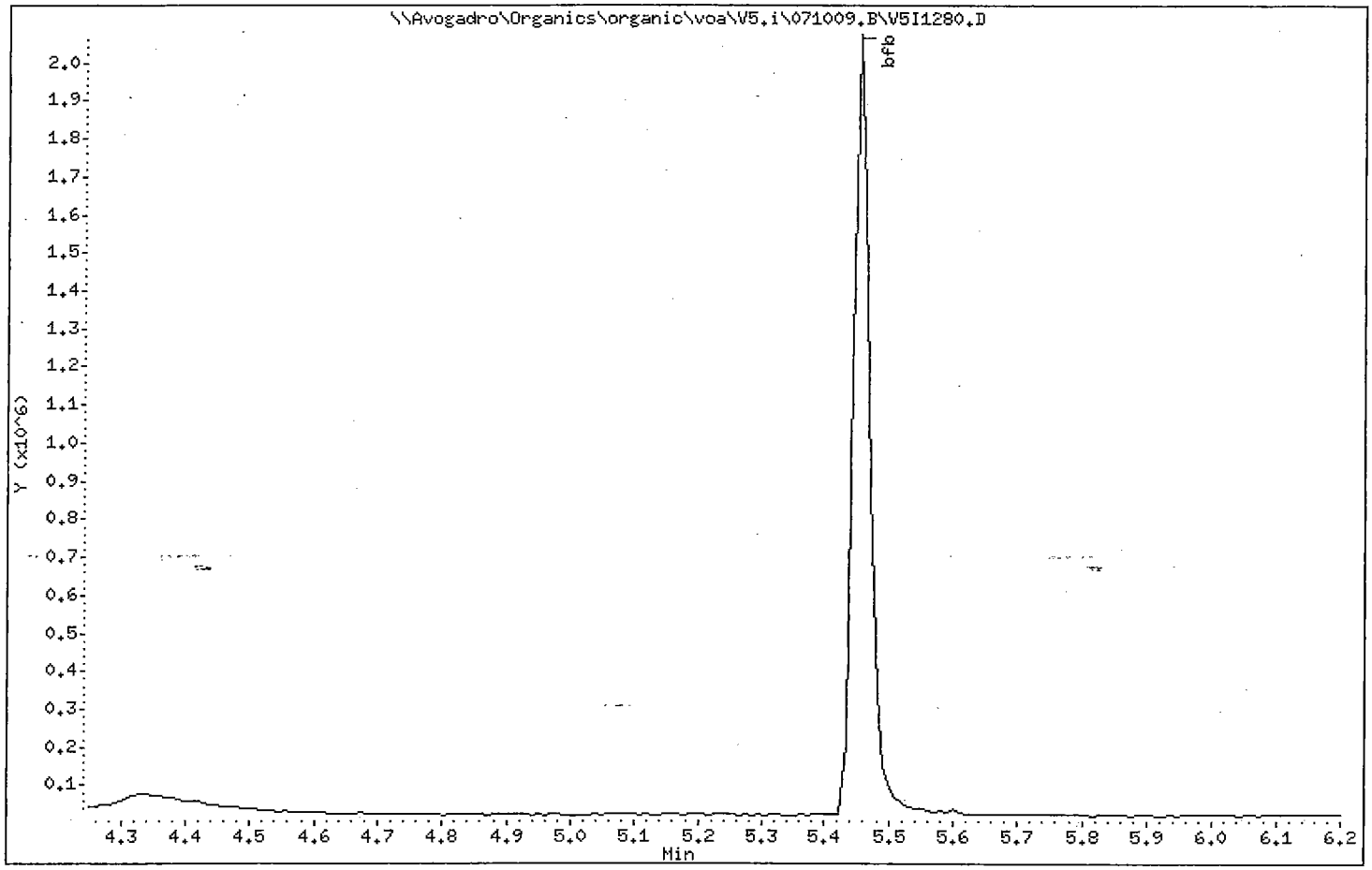
Instrument: v5.i

Sample Info: 2UL,BFBE5,BFBE5

Operator: HZA

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1980.D

Date : 03-NOV-2007 03:23

Client ID: BFB5B

Instrument: v5.i

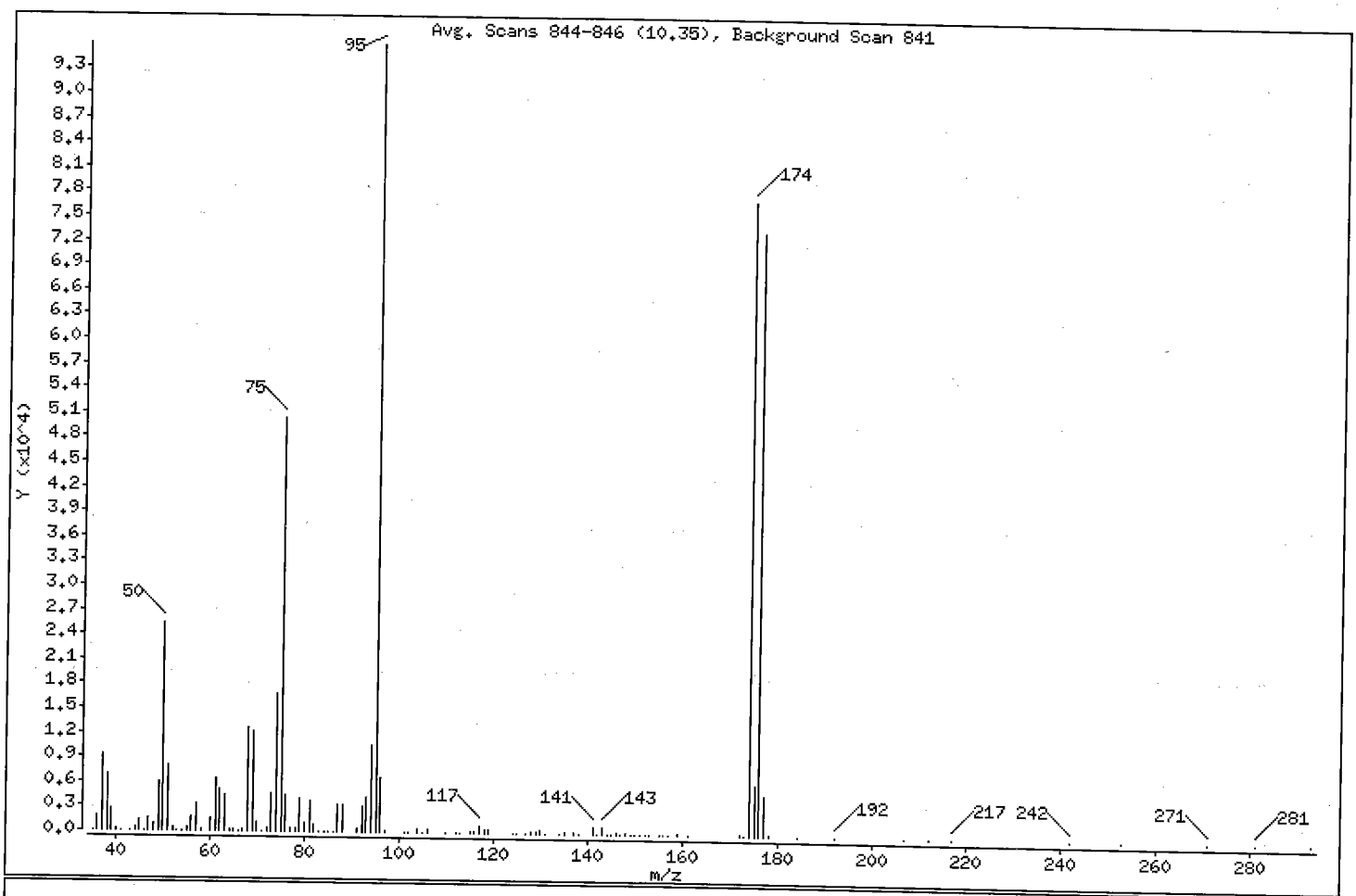
Sample Info: 2UL,BFB5B,BFB5B

Operator: HZA

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	26.44
75	30.00 - 66.00% of mass 95	52.43
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	0.08 (0.10)
174	50.00 - 120.00% of mass 95	80.52
175	4.00 - 9.00% of mass 174	6.42 (7.97)
176	93.00 - 101.00% of mass 174	76.51 (95.02)
177	5.00 - 9.00% of mass 176	5.08 (6.64)

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1980.D

Date : 03-NOV-2007 03:23

Client ID: BFB5B

Instrument: v5.i

Sample Info: 2UL,BFB5B,BFB5B

Operator: HZA

Column phase: DB-624

Column diameter: 0.25

Data File: V5I1980.D
Spectrum: Avg. Scans 844-846 (10.35), Background Scan 841
Location of Maximum: 95.00
Number of points: 118

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	33	67.00	235	102.00	50	148.00	201
36.00	1759	68.00	12579	104.00	432	149.00	42
37.00	9210	69.00	12231	105.00	68	150.00	82
38.00	6947	70.00	1119	106.00	408	151.00	37
39.00	2721	71.00	53	110.00	39	152.00	34
40.00	322	72.00	505	112.00	95	153.00	95
41.00	1	73.00	4635	113.00	65	155.00	92
43.00	110	74.00	16840	115.00	175	156.00	92
44.00	495	75.00	50296	116.00	328	157.00	46
45.00	1229	76.00	4472	117.00	782	159.00	111
46.00	21	77.00	488	118.00	361	161.00	104
47.00	1613	78.00	350	119.00	550	172.00	227
48.00	932	79.00	4071	124.00	36	173.00	76
49.00	5953	80.00	1027	125.00	39	174.00	77248
50.00	25368	81.00	3759	127.00	53	175.00	6157
51.00	7926	82.00	825	128.00	289	176.00	73400
52.00	450	83.00	73	129.00	130	177.00	4872
53.00	42	84.00	64	130.00	483	178.00	115
54.00	36	85.00	46	131.00	83	184.00	50
55.00	406	86.00	41	134.00	35	192.00	51
56.00	1691	87.00	3408	135.00	184	207.00	36
57.00	3281	88.00	3308	137.00	193	212.00	36
58.00	217	91.00	460	138.00	34	217.00	44
60.00	1452	92.00	3021	141.00	775	242.00	34
61.00	6423	93.00	4216	142.00	45	253.00	37
62.00	5093	94.00	10533	143.00	902	271.00	44
63.00	4429	95.00	95936	144.00	43	281.00	50
64.00	320	96.00	6682	145.00	38	293.00	38
65.00	276	97.00	177	146.00	150		
66.00	51	101.00	62	147.00	34		

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1980.D

Date : 03-NOV-2007 03:23

Client ID: BFB5B

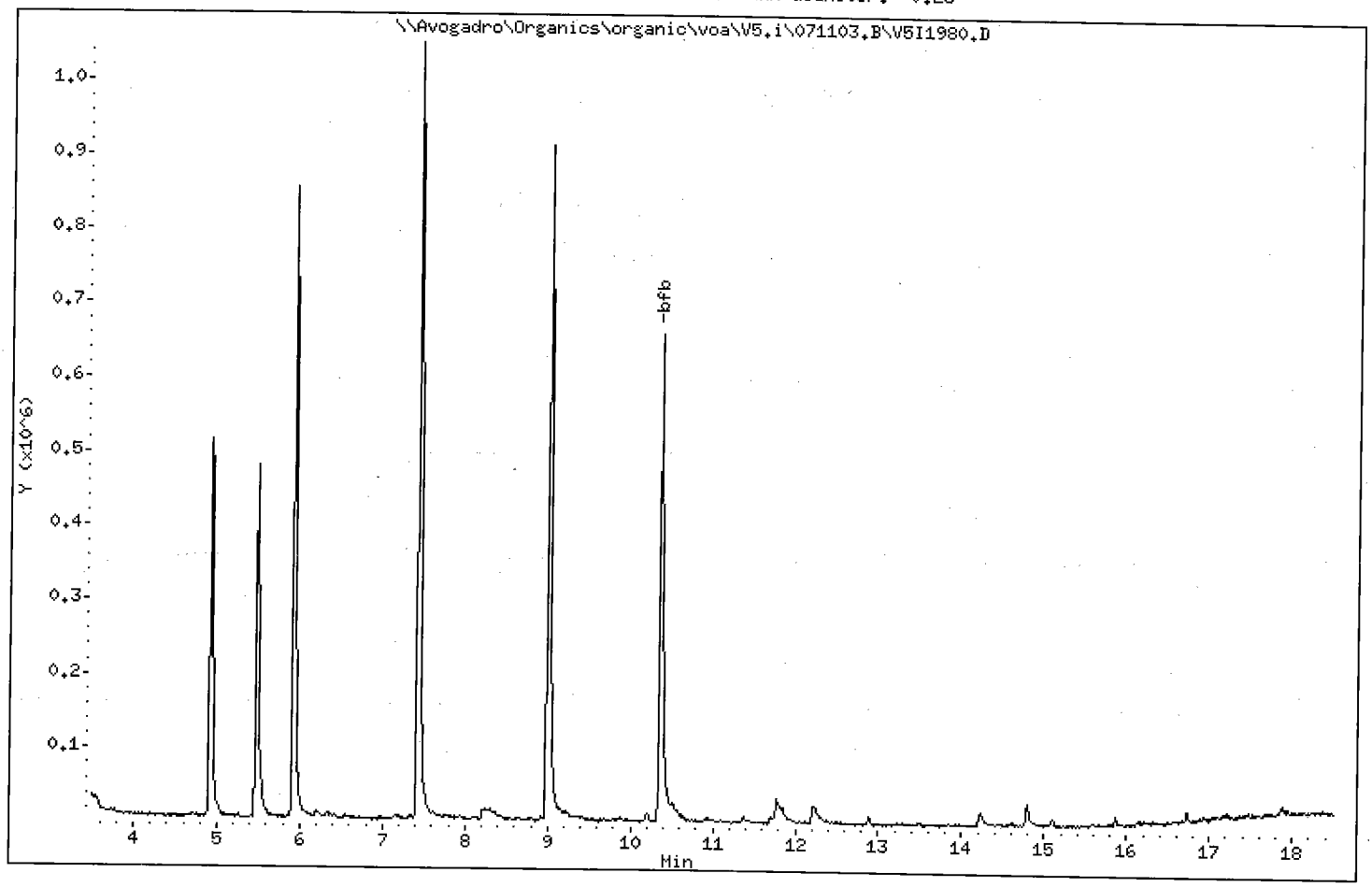
Instrument: v5.i

Sample Info: 2UL,BFB5B,BFB5B

Operator: HZA

Column phase: DB-624

Column diameter: 0.25



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5B

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33069

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1982.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I VOA-1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5B

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33069

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1982.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5B

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33069

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1982.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

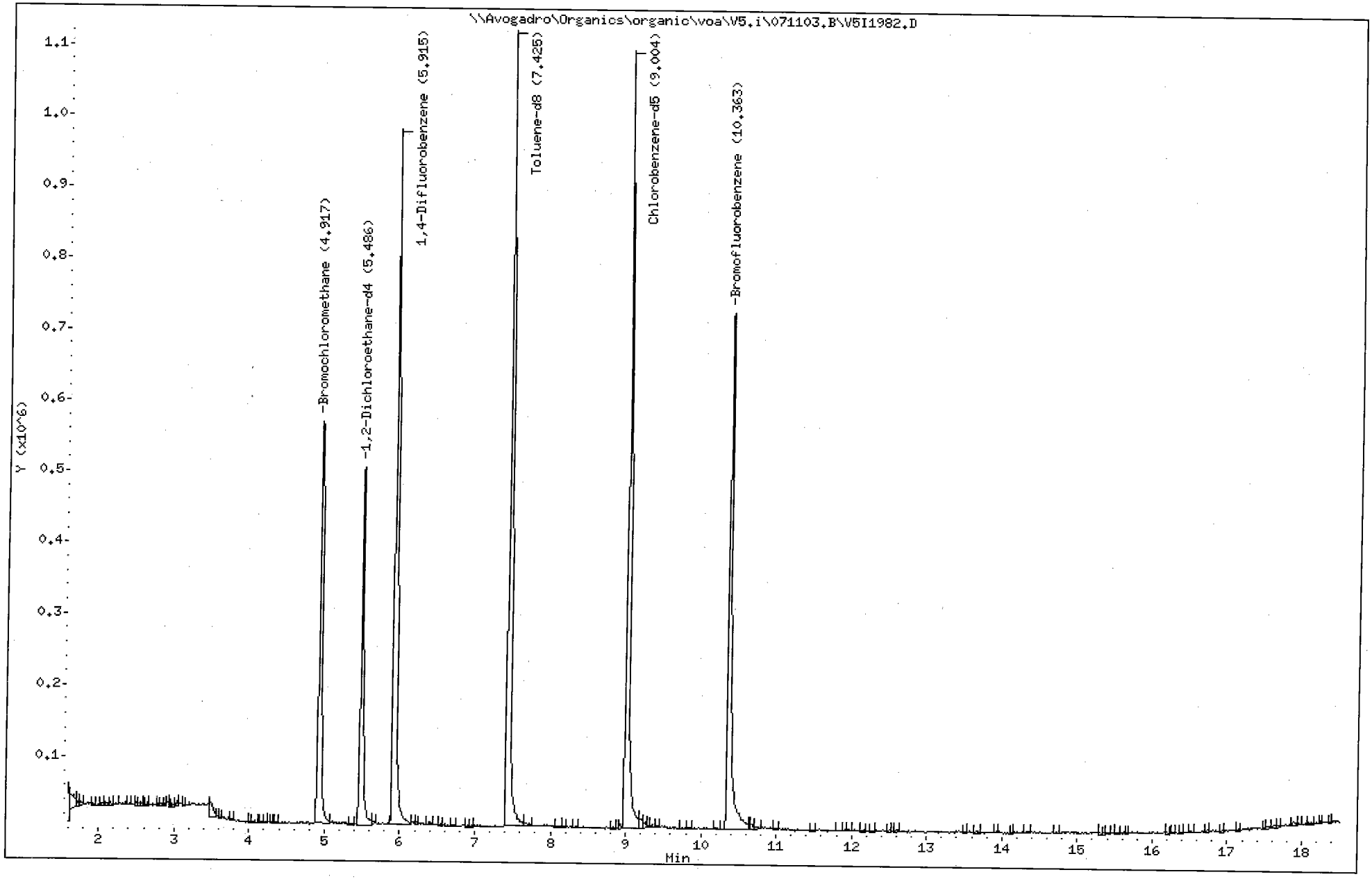
CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1982.D
Date : 03-NOV-2007 04:16
Client ID: VBLK5B
Sample Info: 5ML,MB-33069,VBLK5B,33069
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: LIMS
Column diameter: 0.25



2990

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1982.D
Report Date: 06-Nov-2007 10:31

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1982.D
Lab Smp Id: MB-33069 Client Smp ID: VBLK5B
Inj Date : 03-NOV-2007 04:16
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,MB-33069,VBLK5B,33069
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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)
*	18 Bromochloromethane	128	4.928	4.922	(1.000)	211990	50.0000	
$	24 1,2-Dichloroethane-d4	65	5.473	5.479	(1.111)	536085	48.5386	49
*	27 1,4-Difluorobenzene	114	5.915	5.921	(1.000)	1004785	50.0000	
$	35 Toluene-d8	98	7.424	7.430	(0.825)	927262	48.1854	48
*	43 Chlorobenzene-d5	117	9.004	8.998	(1.000)	794119	50.0000	
$	51 Bromofluorobenzene	95	10.363	10.357	(1.151)	379685	48.4192	48

HZA 11/06/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1982.D
Report Date: 06-Nov-2007 10:31

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1982.D
Lab Smp Id: MB-33069 Client Smp ID: VBLK5B
Inj Date : 03-NOV-2007 04:16
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,MB-33069,VBLK5B,33069
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5B

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: VHBLK5B

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1990.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5B

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: VHBLK5B

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1990.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5B

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: VHBLK5B

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1990.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

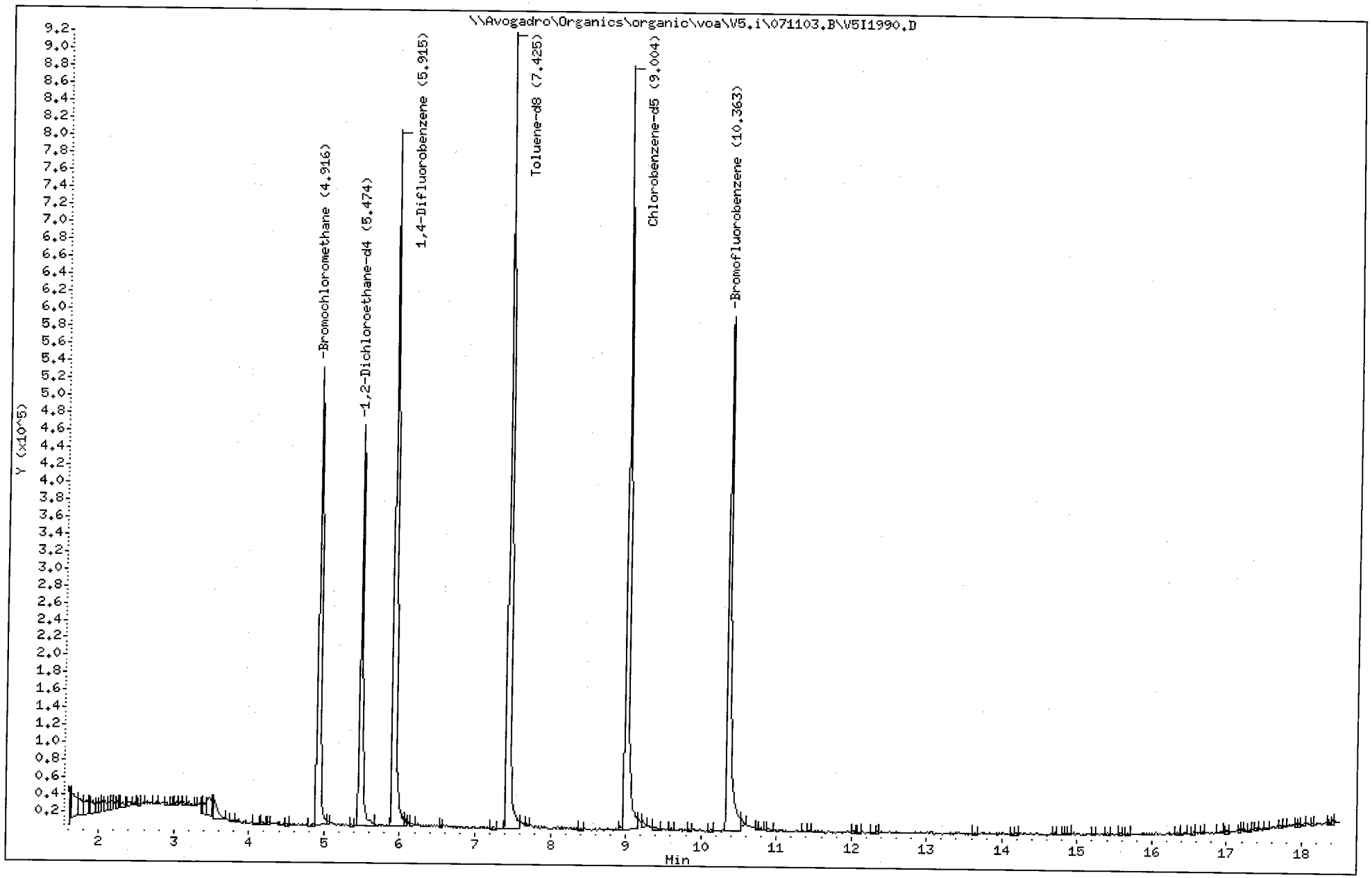
CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1990.D
Date : 03-NOV-2007 07:50
Client ID: VHBLK5B
Sample Info: 5ML,VHBLK5B,VHBLK5B,33069
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1990.D
Report Date: 06-Nov-2007 10:31

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1990.D
Lab Smp Id: VHBLK5B Client Smp ID: VHBLK5B
Inj Date : 03-NOV-2007 07:50
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VHBLK5B,VHBLK5B,33069
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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)
* 18 Bromochloromethane	128	4.916	4.922	(1.000)	182515	50.0000	
$ 24 1,2-Dichloroethane-d4	65	5.473	5.479	(1.113)	465706	48.9759	49
* 27 1,4-Difluorobenzene	114	5.915	5.921	(1.000)	813297	50.0000	
$ 35 Toluene-d8	98	7.424	7.430	(0.825)	753394	48.4007	48
* 43 Chlorobenzene-d5	117	9.004	8.998	(1.000)	642346	50.0000	
$ 51 Bromofluorobenzene	95	10.362	10.357	(1.151)	314117	49.5225	50

HZA 11/06/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1990.D
Report Date: 06-Nov-2007 10:31

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1990.D
Lab Smp Id: VHBLK5B Client Smp ID: VHBLK5B
Inj Date : 03-NOV-2007 07:50
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VHBLK5B,VHBLK5B,33069
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5BLCS

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: LCS-33069

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I1983.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Analyzed: 11/03/2007

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	50	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I VOA-1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5BLCS

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: LCS-33069

Sample wt/vol: 5 (G/ML) ML Lab File ID: V5I1983.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/03/2007

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

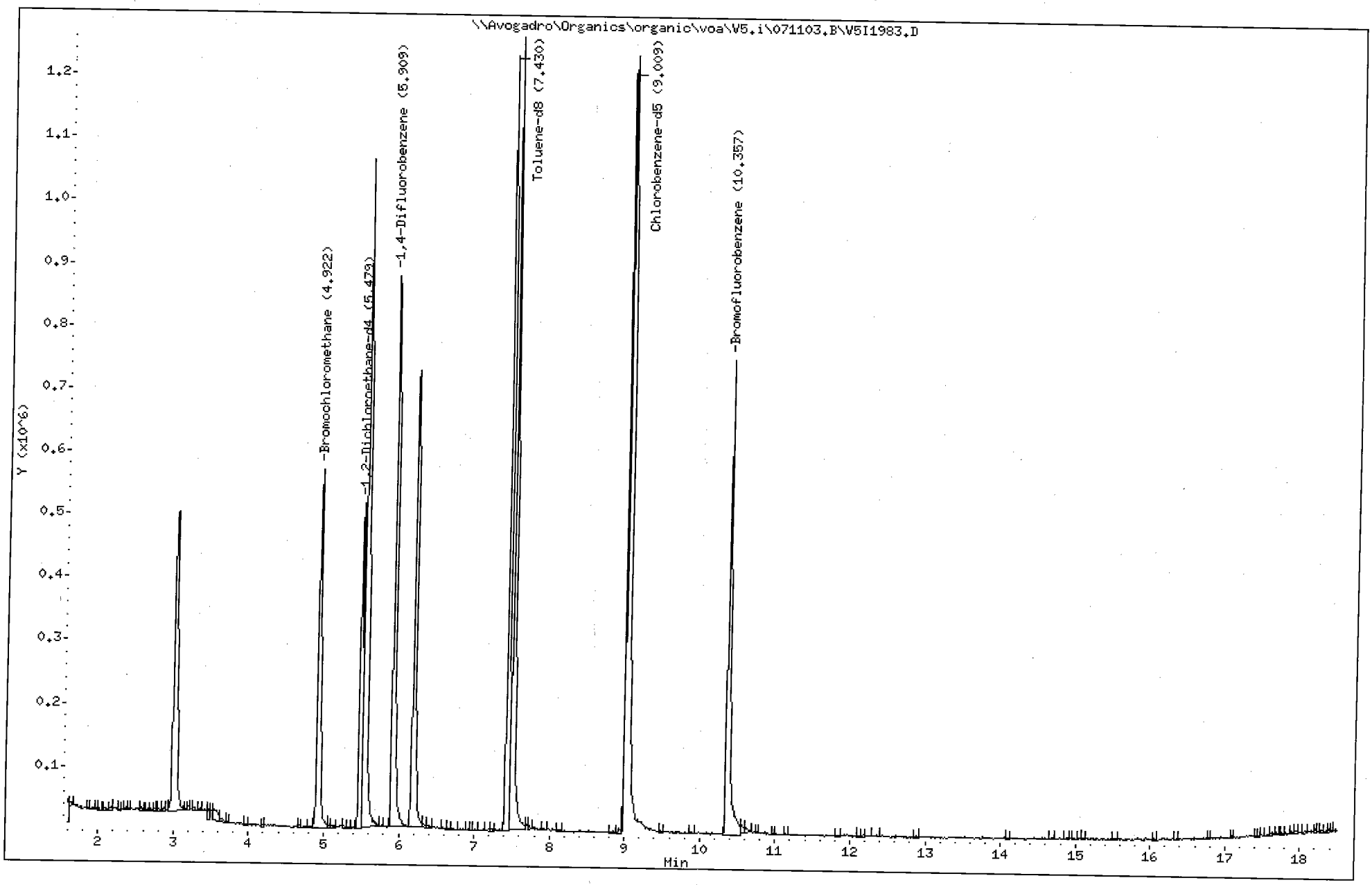
Soil Extract Volume: (µL) Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1983.D
Date : 03-NOV-2007 04:43
Client ID: V5BLCS
Sample Info: 5ML,LCS-33069,V5BLCS,33069
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: LIMS
Column diameter: 0.25



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Data File: \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1983.D
Report Date: 06-Nov-2007 10:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\071103.B\V5I1983.D
Lab Smp Id: LCS-33069 Client Smp ID: V5BLCS
Inj Date : 03-NOV-2007 04:43
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,LCS-33069,V5BLCS,33069
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\071103.B\v5clp4.m
Meth Date : 05-Nov-2007 09:42 wluo Quant Type: ISTD
Cal Date : 03-NOV-2007 03:49 Cal File: V5I1981.D
Als bottle: 100 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	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)
	7 1,1-Dichloroethene	96	3.017	3.029	(0.613)	245498	56.2702	56
*	18 Bromochloromethane	128	4.921	4.922	(1.000)	203987	50.0000	
$	24 1,2-Dichloroethane-d4	65	5.479	5.479	(1.113)	509845	47.9738	48
	25 Benzene	78	5.537	5.537	(0.935)	1172663	53.1458	53
*	27 1,4-Difluorobenzene	114	5.920	5.921	(1.000)	948447	50.0000	
	28 Trichloroethene	130	6.187	6.188	(1.045)	315561	49.8652	50
$	35 Toluene-d8	98	7.430	7.430	(0.826)	908098	50.4977	50
	36 Toluene	91	7.499	7.500	(0.834)	1068171	51.1842	51
*	43 Chlorobenzene-d5	117	8.997	8.998	(1.000)	742095	50.0000	
	44 Chlorobenzene	112	9.032	9.033	(1.004)	739959	51.4081	51
$	51 Bromofluorobenzene	95	10.356	10.357	(1.151)	359199	49.0180	49

HZA 11/06/07

RL

METHOD:
CAL ID:
ANALYST:
INITIAL CAL:
IS/SS ID:
ARCHIVE:
COMMENTS:
ICV ID:

Mitkem Corporation
Volatiles Laboratory

Instrument V5 Injection Log

METHOD: OLM-W
ICAL DATE: 10/09/07

ANALYST: WL
EMV:

BATCH: 071009.B

Start: 09-OCT-07 09:30
End: 09-OCT-07 13:36

Comments:

IS-VW071003A
IS-VW071003B
STD-VW-71003C

Reviewed By: SB 10/10/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS BCM	INTERNAL STDS DFB	INTERNAL STDS CBZ	SURROGATES DCE	SURROGATES TOL	SURROGATES BFB		DILN	FLG	COMMENTS	pH
V5I1280	09:30	BFBE5	BFBE5		AQ									1		ok	
V5I1281	11:50	VSTD050E5	VSTD050E5		AQ		100	100	100					1		ok	
V5I1282	12:16	VSTD020E5	VSTD020E5		AQ		98	95	98					1		ok	
V5I1283	12:43	VSTD010E5	VSTD010E5		AQ		94	95	96					1		ok	
V5I1284	13:10	VSTD200E5	VSTD200E5		AQ		93	92	91					1		ok	
V5I1285	13:36	VSTD100E5	VSTD100E5		AQ		95	95	96					1		ok	

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
* - Internal Standard or Surrogate outside of control limit
D - Surrogates are diluted

Logbook ID 90.0199-10/07

METHOD: CAL ID: ANALYST:

Mitkem Corporation
Volatiles Laboratory

Instrument V5 Injection Log

METHOD: OLM-AQ
ICAL DATE: 10/09/07
ANALYST: WL
EMV:

BATCH: 071103.B

Start: 03-NOV-07 03:23
End: 03-NOV-07 07:50

Comments:

VW071030C - IS
VW071030D - SS
VW071030E - STD
VW071101F - LCS

Reviewed By: ~~HZA~~ 11/06/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS BCM	DFB	CBZ	SURROGATES DCE	TOL	BFB	DILN	FLG	COMMENTS	pH
V5I1980	03:23	BFB5B	BFB5B		AQ								1		OK	
V5I1981	03:49	VSTD0505B	VSTD0505B		AQ		100	100	100				1		OK	
V5I1982	04:16	MB-33069	VBLK5B	33069	AQ		107	108	109	97	96	97	1		OK	
V5I1983	04:43	LCS-33069	V5BLCS	33069	AQ		103	102	102	96	101	98	1		OK	
V5I1984	05:09	F1593-01A	AS-1	33069	AQ		104	100	100	96	98	98	1		OK	
V5I1985	05:36	F1593-02A	EW-1	33069	AQ		97	98	100	100	99	97	1		OK	7
V5I1986	06:03	F1593-03A	EW-2	33069	AQ		94	95	99	103	98	99	1		OK	7
V5I1987	06:30	F1606-01A	030/MWDAY-03	33069	AQ		100	97	98	98	99	100	1		OK	7
V5I1988	06:57	F1606-02A	031/MWDAY-04	33069	AQ		99	99	100	100	100	99	1		OK	2
V5I1989	07:23	VHBLK5B	VHBLK5B	33069	AQ		93	85	82	99	98	96	1		OK F1593	2
V5I1990	07:50	VHBLK5B	VHBLK5B	33069	AQ		92	88	88	98	97	99	1		OK. F1606	

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
* - Internal Standard or Surrogate outside of control limit
D - Surrogates are diluted

HZA 11/06/07

SOP No. GC/MS

Logbook ID 90.0199-10/07

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
11/01/07	F1598	Labella	11-13	VEG		US	R10	
↓	F1599	ERE	07-02	↓		UA	R9	
↓	F1600	PhotoFab	03	↓		H	R10	
11/01/07	F1601	EPA	01-07	VEG		H	R10	
11/02/07	F1603	DVIRKA	01,02,05,09,07	VEG	IM	H	R10	
11/02/07	F1603	DVIRKA	03,04,06,08	VEG	IM	US	R10	
11/2/07	F1606	Day	01-02	VEG		H	R10	
↓	F1607	ORG	01	↓		A	R10	
↓	F1587	EPA	09-20	↓	JP	E	T9	
↓	F1609	EPA	01-20	↓	↓	E	T9	
↓	F1610	EPA	01	↓	↓	E	T9	
↓	F1618	EPA	02	↓	JP	UA	R9	
↓	F1611	RIRRL	01	↓		H	R9	
11/2/07	F1589	EPA	13-16	VEG		H	R9	

Logbook ID 90.0191-04/07

Reviewed By:

"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

MITKEM CORPORATION

* Semivolatile Organics *

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK3Z	94	89	108	94	91	98	94	88	0
02	S3ZLCS	90	86	100	90	85	97	89	84	0
03	030/MWDAY-03	85	81	87	84	81	98	84	77	0
04	031/MWDAY-04	87	83	54	83	82	100	84	80	0

			QC LIMITS	
S1	(NBZ)	= Nitrobenzene-d5	(35-114)	
S2	(FBP)	= 2-Fluorobiphenyl	(43-116)	
S3	(TPH)	= Terphenyl-d14	(33-141)	
S4	(PHL)	= Phenol-d5	(10-110)	
S5	(2FP)	= 2-Fluorophenol	(21-110)	
S6	(TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7	(2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8	(DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3C

WATER SEMIVOLATILE LABORATORY CONTROL SAMPLE/DUPLICATE RECOVERY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix Spike - EPA Sample No.: S3ZLCS

COMPOUND	SPIKE ADDED (µg/L)	BLANK CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC #	QC. LIMITS REC.
Phenol	75	0	64	85	12-110
2-Chlorophenol	75	0	66	88	27-123
N-Nitroso-di-n-propylamin	50	0	43	86	41-116
4-Chloro-3-methylphenol	75	0	66	88	23-97
Acenaphthene	50	0	41	82	46-118
4-Nitrophenol	75	0	75	100*	10-80
2,4-Dinitrotoluene	50	0	42	84	24-96
Pentachlorophenol	75	0	71	95	9-103
Pyrene	50	0	31	62	26-127

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

* Values outside of QC limits

COMMENTS:

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK3Z

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MF1606

Lab File ID: S3E7090.D Lab Sample ID: MB-33143

Instrument ID: S3 Date Extracted: 11/07/07

Matrix: (soil/water) WATER Date Analyzed: 11/12/07

Level: (low/med) LOW Time Analyzed: 02:36

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S3ZLCS	LCS-33143	S3E7091.D	11/12/2007
02	030/MWDAY-03	F1606-01B	S3E7092.D	11/12/2007
03	031/MWDAY-04	F1606-02B	S3E7093.D	11/12/2007

COMMENTS: _____

FORM IV SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.:_____ SDG No.: MF1606

Lab File ID: S3E7010.D DFTPP Injection Date: 11/09/07

Instrument ID: S3 DFTPP Injection Time: 09:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	73.1
70	Less than 2.0% of mass 69	0.5 (0.6)1
127	40.0 - 60.0% of mass 198	58.9
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	23.5
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than mass 443	13.5
442	40.0 - 99.9% of mass 198	101.8
443	17.0 - 23.0% of mass 442	20.0 (19.7)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0503P	SSTD0503P	S3E7011.D	11/09/07	10:15
02	SSTD0203P	SSTD0203P	S3E7012.D	11/09/07	11:03
03	SSTD1603P	SSTD1603P	S3E7013.D	11/09/07	11:33
04	SSTD0803P	SSTD0803P	S3E7014.D	11/09/07	12:04
05	SSTD1203P	SSTD1203P	S3E7015.D	11/09/07	12:34

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.:_____ SDG No.: MF1606

Lab File ID: S3E7080.D DFTPP Injection Date: 11/11/07

Instrument ID: S3 DFTPP Injection Time: 21:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	76.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	60.4
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	22.5
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than mass 443	12.8
442	40.0 - 99.9% of mass 198	93.0
443	17.0 - 23.0% of mass 442	18.0 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0503U	SSTD0503U	S3E7081.D	11/11/07	22:04
02	SBLK3Z	MB-33143	S3E7090.D	11/12/07	02:36
03	S3ZLCS	LCS-33143	S3E7091.D	11/12/07	03:07
04	030/MWDAY-03	F1606-01B	S3E7092.D	11/12/07	03:37
05	031/MWDAY-04	F1606-02B	S3E7093.D	11/12/07	04:07

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MF1606

EPA Sample No.(SSTD050##): SSTD0503U Date Analyzed: 11/11/07

Lab File ID (Standard): S3E7081.D Time Analyzed: 22:04

Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	265404	3.60	1093814	5.35	565772	8.86
	UPPER LIMIT	530808	4.10	2187628	5.85	1131544	9.36
	LOWER LIMIT	132702	3.10	546907	4.85	282886	8.36
	EPA SAMPLE NO.						
01	SBLK3Z	350384	3.59	1450662	5.34	727395	8.85
02	S3ZLCS	341034	3.60	1388808	5.34	693877	8.85
03	030/MWDAY-03	326626	3.59	1328135	5.34	675470	8.86
04	031/MWDAY-04	367386	3.59	1443075	5.35	744527	8.86

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

EPA Sample No.(SSTD050##): SSTD0503U Date Analyzed: 11/11/07

Lab File ID (Standard): S3E7081.D Time Analyzed: 22:04

Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	880365	11.43	745825	14.87	671145	16.49
	UPPER LIMIT	1760730	11.93	1491650	15.37	1342290	16.99
	LOWER LIMIT	440183	10.93	372913	14.37	335573	15.99
	EPA SAMPLE NO.						
01	SBLK3Z	1056980	11.43	894635	14.87	780938	16.49
02	S3ZLCS	1051856	11.43	899548	14.86	781376	16.48
03	030/MWDAY-03	989625	11.43	865841	14.87	752668	16.48
04	031/MWDAY-04	1168149	11.44	1059758	14.87	838959	16.49

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7092.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7092.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7092.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

030/MWDAY-03

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-01B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7092.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume: 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume: 2.0 (µL) | Dilution Factor: 1.00

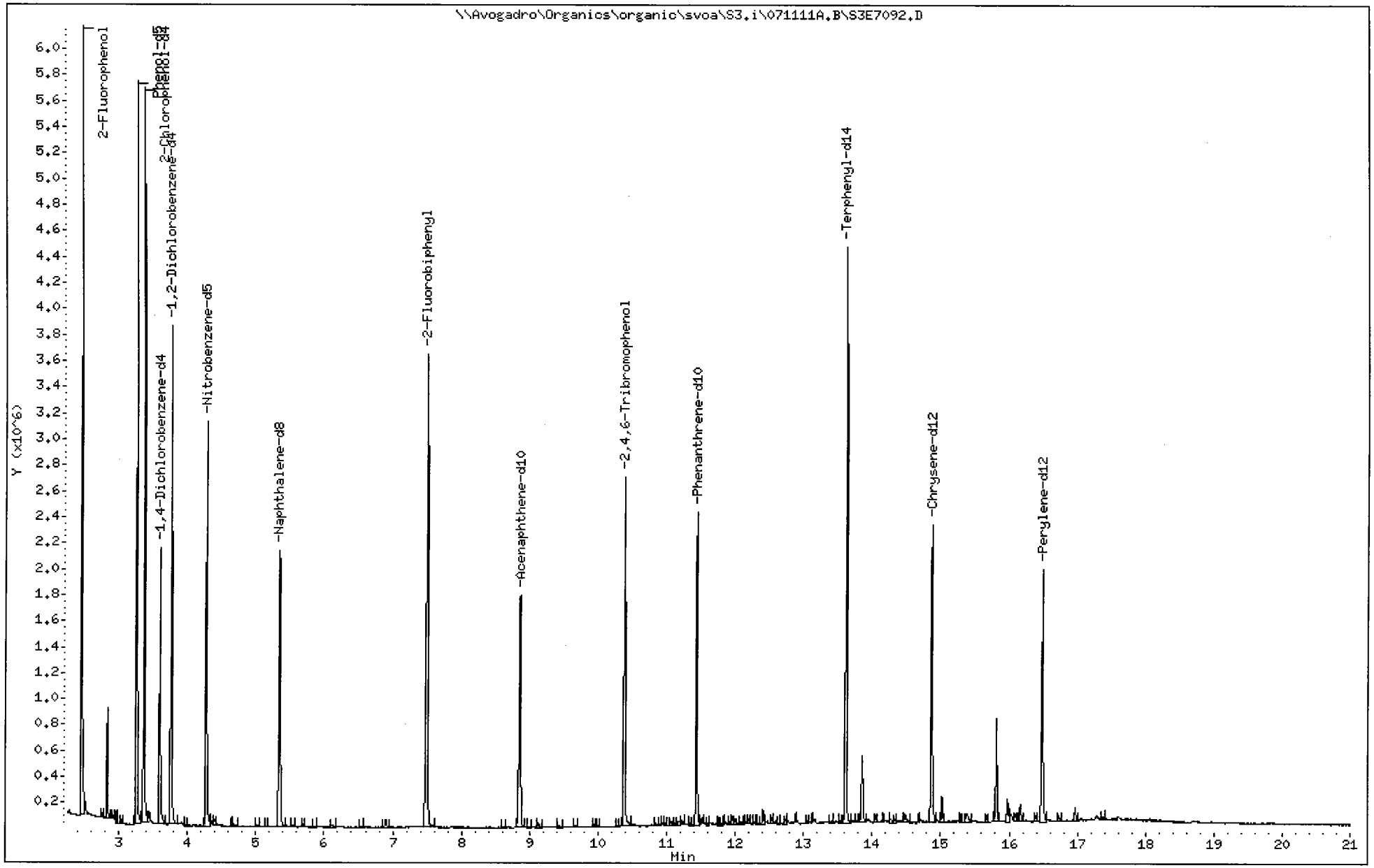
Number TICs found: 3

CONCENTRATION UNITS: UG/L

	CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q
01		Unknown (13.85665)	13.86	5.8	J
02	1599-67-3	1-Docosene	15.81	7.4	NJ
03		Unknown (15.97215)	15.97	2.3	J

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7092.D
Date : 12-NOV-2007 03:37
Client ID: 030/MWDAY-03
Sample Info: F1606-01B,,33143,,
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i
Operator: CLM SRC: LIMS
Column diameter: 0.25



5500

Data File: S3E7092.D
Report Date: 12-Nov-2007 12:33

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7092.D
Lab Smp Id: F1606-01B Client Smp ID: 030/MWDAY-03
Inj Date : 12-NOV-2007 03:37
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : F1606-01B,,33143,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\s3_olm4_2_S.m
Meth Date : 12-Nov-2007 12:32 S3.i Quant Type: ISTD
Cal Date : 11-NOV-2007 22:04 Cal File: S3E7081.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

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	2.000	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)
$	1 2-Fluorophenol	112	2.456	2.446	(0.683)	1579216	121.306	61
$	3 Phenol-d5	99	3.252	3.248	(0.905)	2227817	126.155	63
$	6 2-Chlorophenol-d4	132	3.364	3.360	(0.936)	1430658	125.438	63
*	8 1,4-Dichlorobenzene-d4	152	3.594	3.595	(1.000)	326626	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	3.760	3.761	(1.046)	581956	77.1304	39
$	16 Nitrobenzene-d5	82	4.272	4.273	(0.800)	1509607	85.2325	43
*	23 Naphthalene-d8	136	5.341	5.347	(1.000)	1328135	40.0000	
$	33 2-Fluorobiphenyl	172	7.488	7.489	(0.846)	1836647	80.6793	40
*	41 Acenaphthene-d10	164	8.856	8.857	(1.000)	675470	40.0000	
$	53 2,4,6-Tribromophenol	330	10.384	10.385	(0.908)	319480	147.524	74
*	58 Phenanthrene-d10	188	11.431	11.432	(1.000)	989625	40.0000	
$	65 Terphenyl-d14	244	13.621	13.617	(0.916)	1629157	87.0865	44
*	69 Chrysene-d12	240	14.866	14.872	(1.000)	865841	40.0000	
	71 bis(2-Ethylhexyl)phthalate	149	15.026	15.027	(1.011)	57336	2.65518	1(a)
*	76 Perylene-d12	264	16.485	16.486	(1.000)	752668	40.0000	

11/12/07 JS

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

KL

Data File: S3E7092.D
Report Date: 15-Nov-2007 11:00

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7092.D
Lab Smp Id: F1606-01B Client Smp ID: 030/MWDAY-03
Inj Date : 12-NOV-2007 03:37
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : F1606-01B,,33143,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\s3_olm4_2_S.m
Meth Date : 14-Nov-2007 14:23 S3.i Quant Type: ISTD
Cal Date : 11-NOV-2007 22:04 Cal File: S3E7081.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

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	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 69 Chrysene-d12	14.866	3011765	40.000
* 76 Perylene-d12	16.485	2716625	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
13.857	871982	11.5810057	6	0		0	69
1-Docosene				CAS #: 1599-67-3			
15.812	1000899	14.7373921	7	97	NIST2002.L	121980	76
Unknown				CAS #:			
15.972	312781	4.60543096	2	0		0	76

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7092.D

Date : 12-NOV-2007 03:37

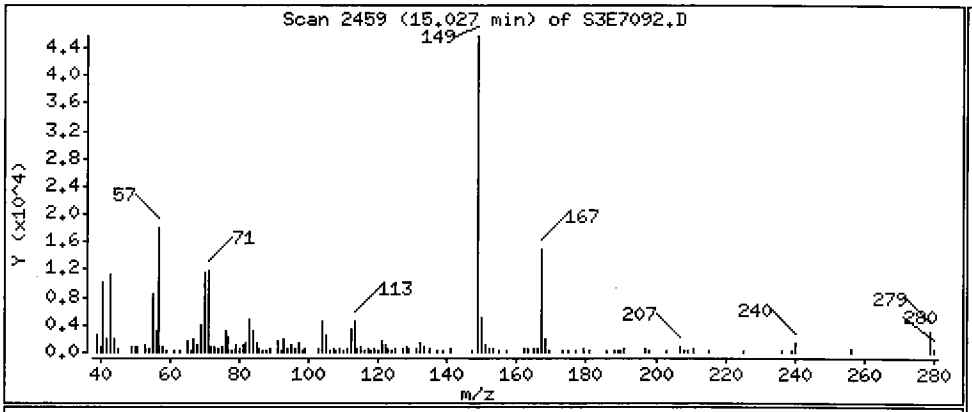
Client ID: 030/MWDAY-03 Instrument: S3.i

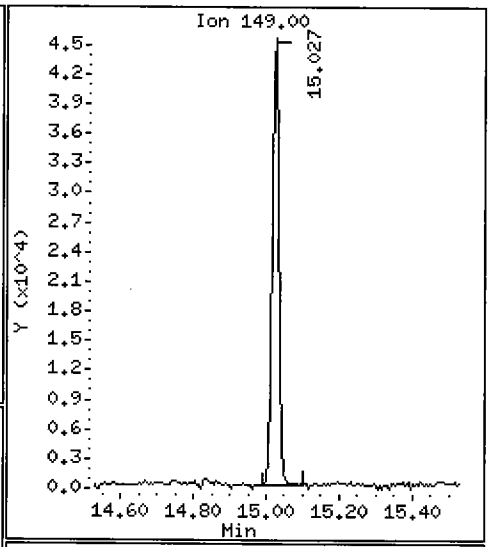
Sample Info: F1606-01B,,33143,,

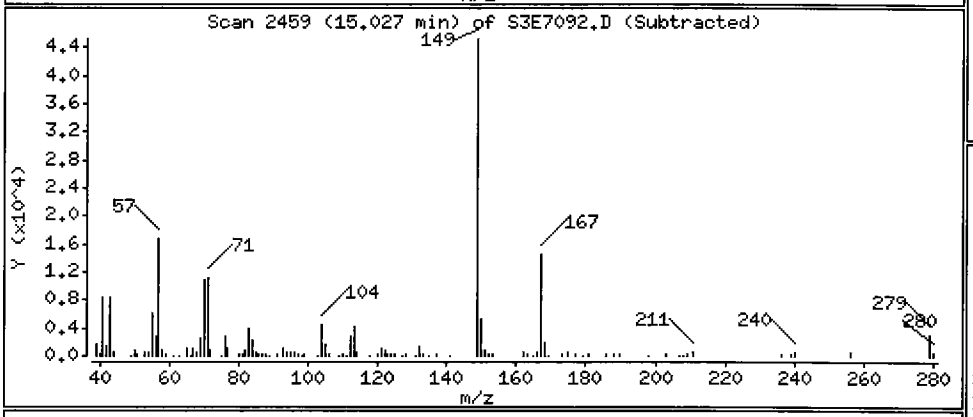
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

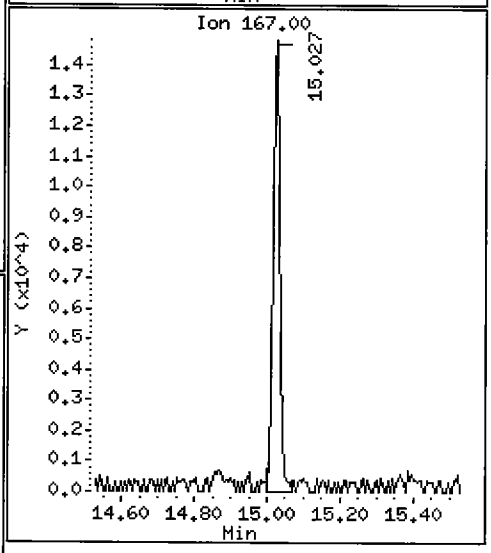
Column phase: DB-5MS Column diameter: 0.25

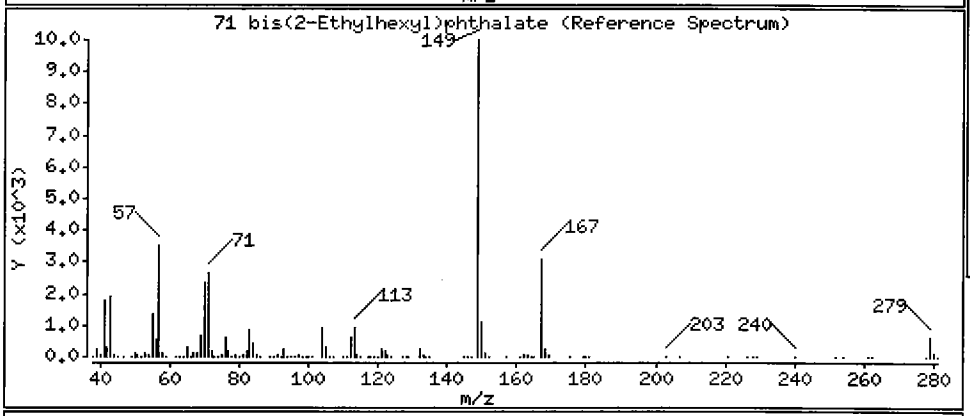
71 bis(2-Ethylhexyl)phthalate Concentration: 1 ug/L

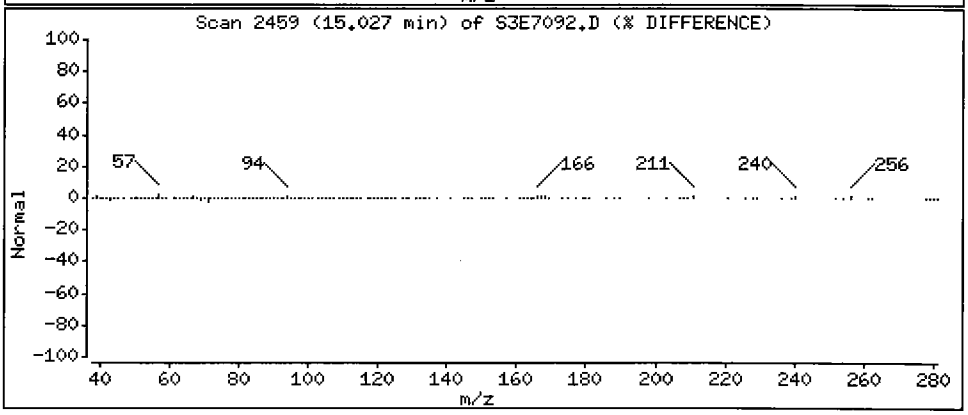












Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7092.D

Date : 12-NOV-2007 03:37

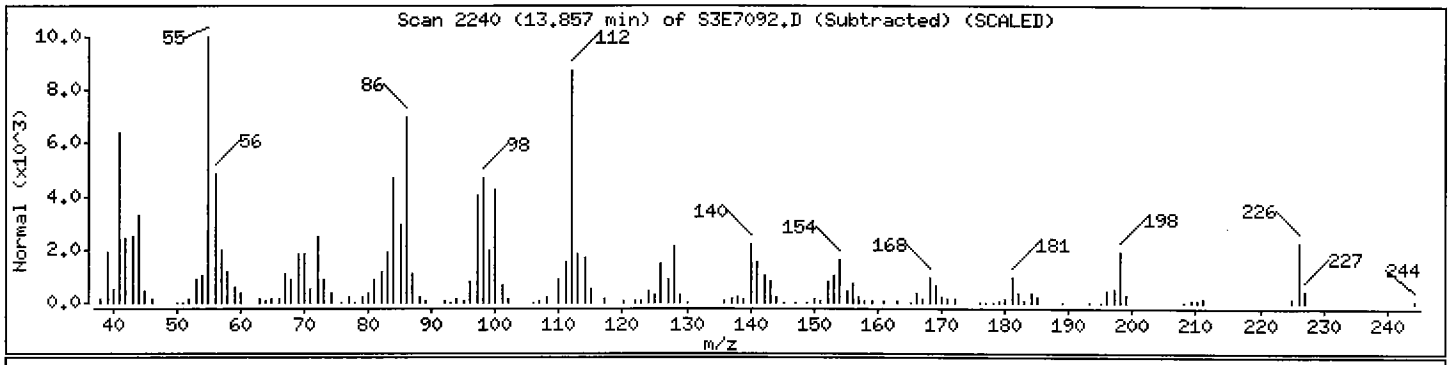
Client ID: 030/MWDAY-03 Instrument: S3.i

Sample Info: F1606-01B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM 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



Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7092.D

Date : 12-NOV-2007 03:37

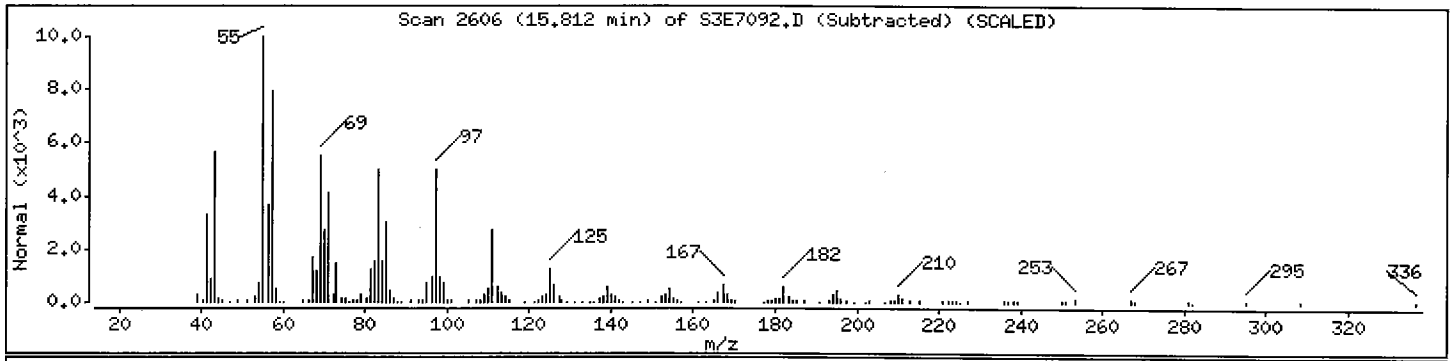
Client ID: 030/MWDAY-03 Instrument: S3.i

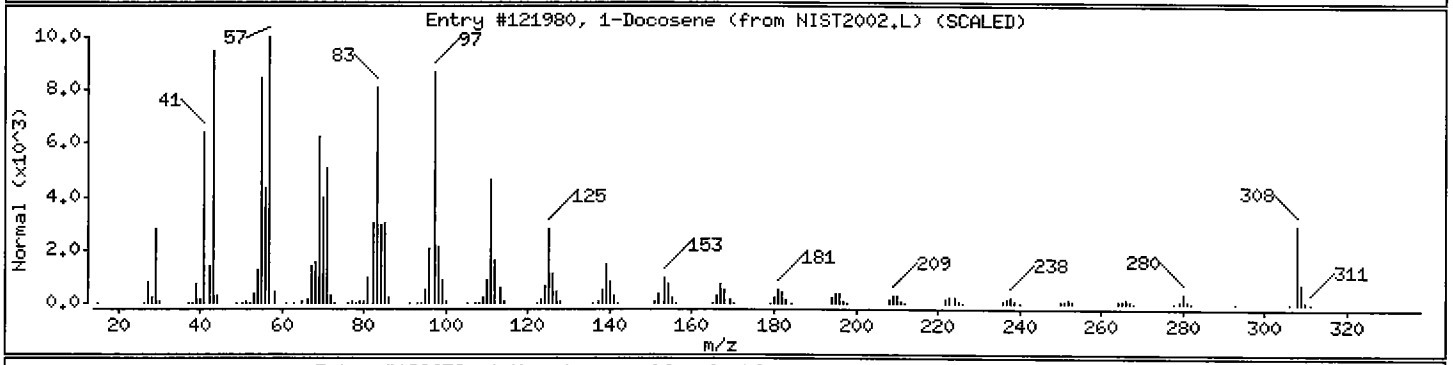
Sample Info: F1606-01B,,33143,,

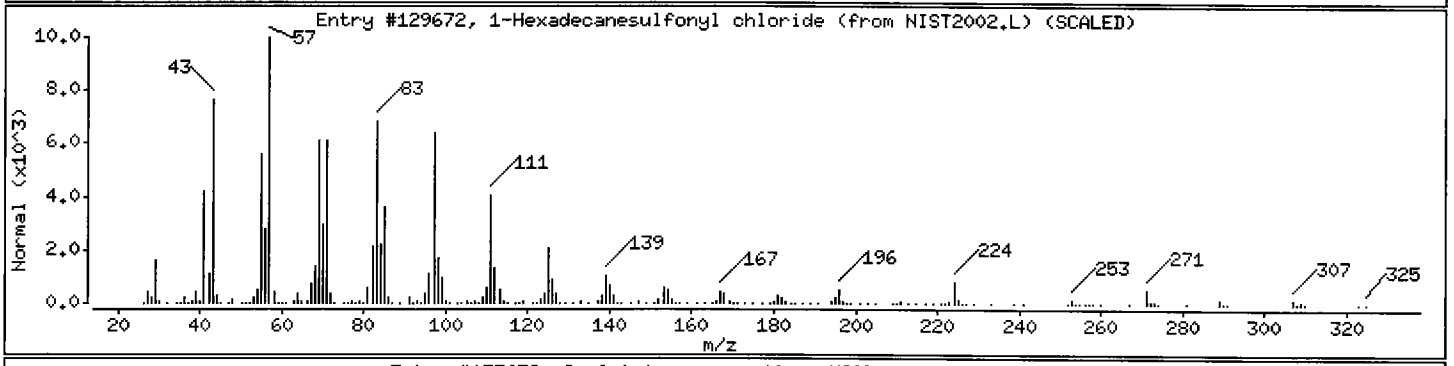
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

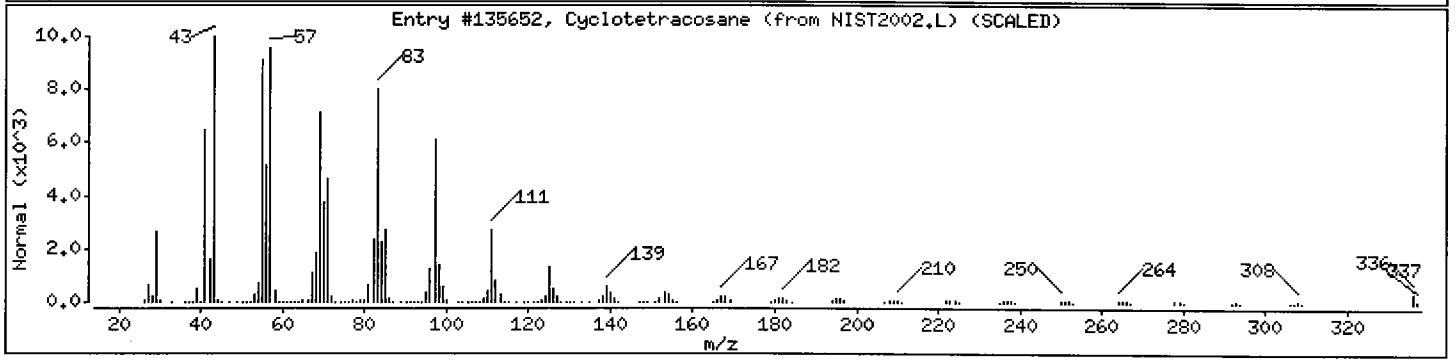
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Docosene	1599-67-3	NIST2002.L	121980	97	C22H44	308
1-Hexadecanesulfonyl chloride	38775-38-1	NIST2002.L	129672	91	C16H33ClO2S	324
Cyclotetracosane	297-03-0	NIST2002.L	135652	90	C24H48	336









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Date : 12-NOV-2007 03:37

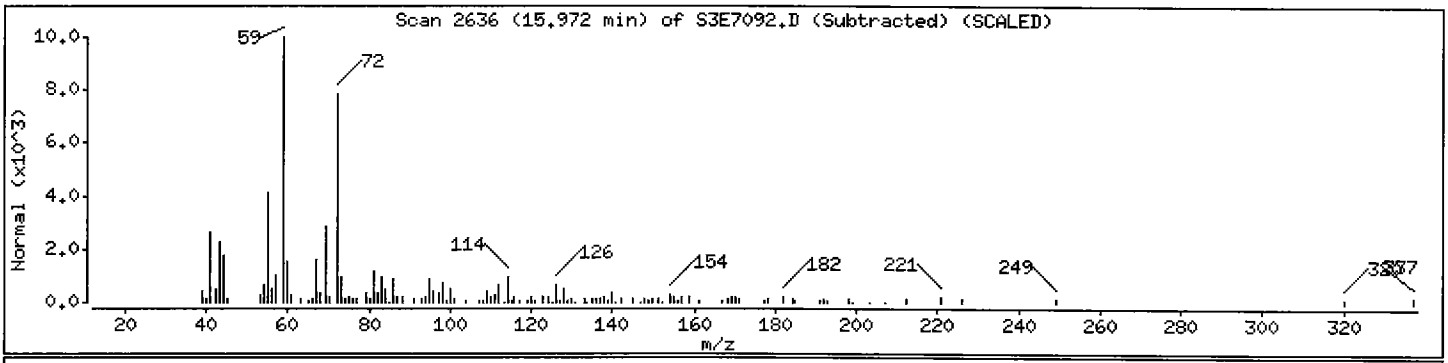
Client ID: 030/MWDAY-03 Instrument: S3.i

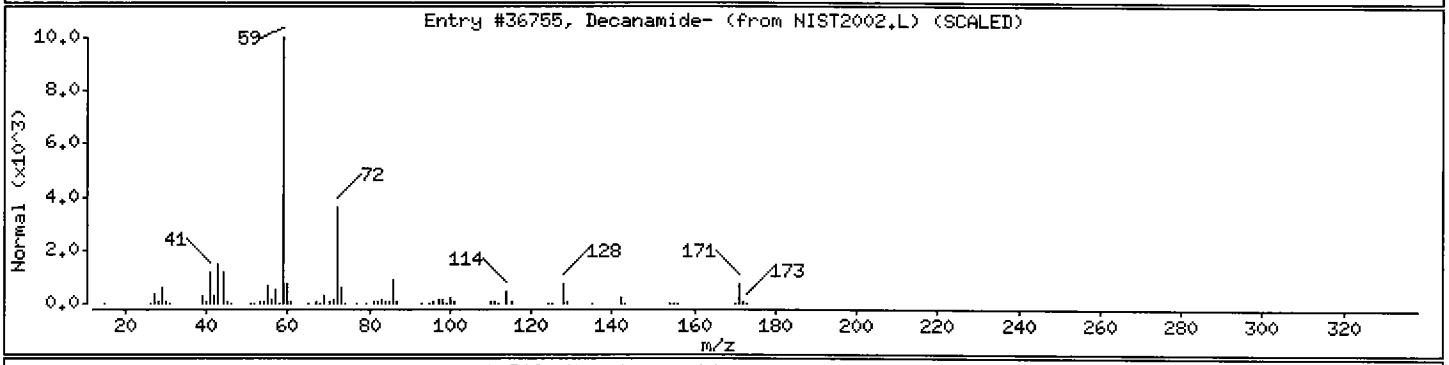
Sample Info: F1606-01B,,33143,,

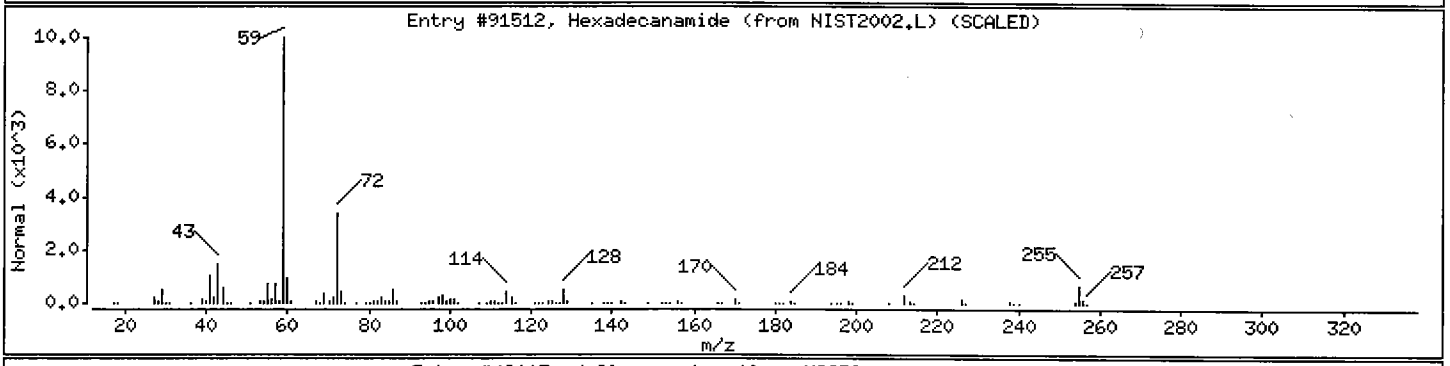
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

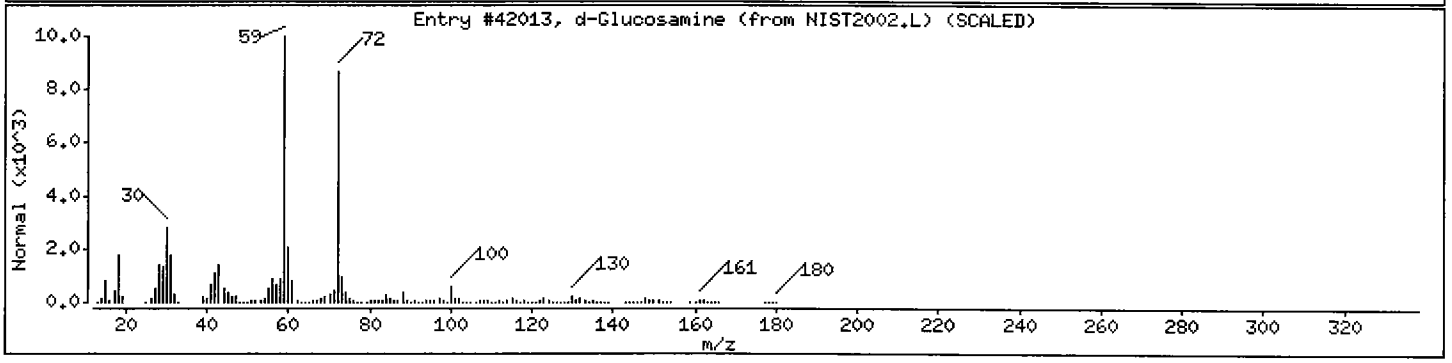
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decanamide-	2319-29-1	NIST2002.L	36755	78	C10H21NO	171
Hexadecanamide	629-54-9	NIST2002.L	91512	72	C16H33NO	255
d-Glucosamine	90-77-7	NIST2002.L	42013	72	C6H13NO5	179









1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: F1606-02B

Sample wt/vol: 1000 (G/ML) ML Lab File ID: S3E7093.D

Level: (low/med) LOW Date Received: 11/02/2007

% Moisture: not dec. Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-02B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7093.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-02B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7093.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

031/MWDAY-04

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: F1606-02B

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7093.D

Level: (low/med) LOW | Date Received: 11/02/2007

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume: 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume: 2.0 (µL) | Dilution Factor: 1.00

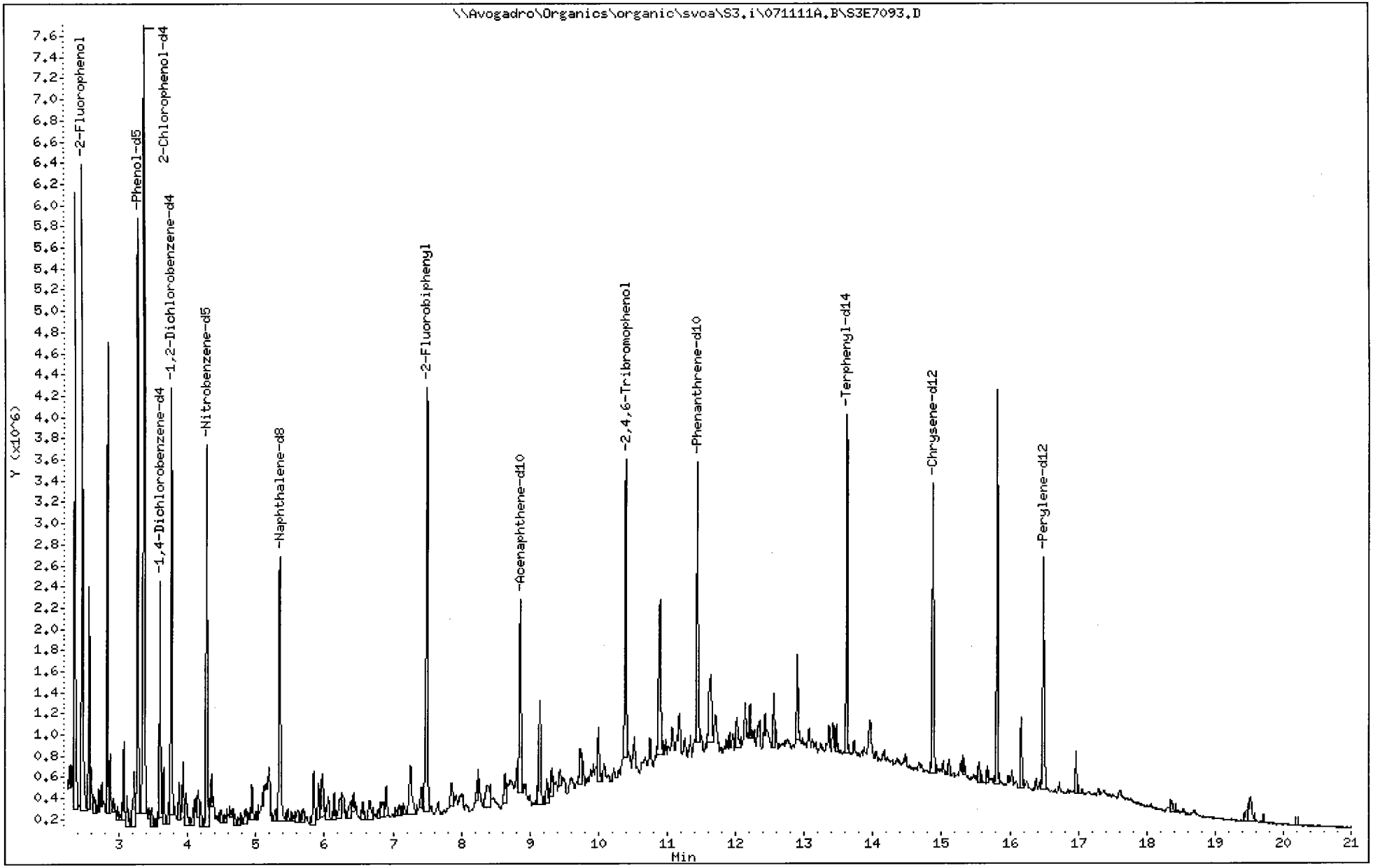
Number TICs found: 30

CONCENTRATION UNITS: UG/L

	CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q
01	110-13-4	2,5-Hexanedione	2.87	5.9	NJ
02		Unknown (3.07102)	3.07	8.1	J
03		Unknown (3.11377)	3.11	4.2	J
04		Unknown (3.22060)	3.22	8.4	J
05		Unknown (3.64797)	3.65	6.2	J
06		Unknown (3.73345)	3.73	3.6	J
07		Unknown (3.87233)	3.87	3.7	J
08		Unknown (3.93110)	3.93	6.3	J
09		Unknown (3.97385)	3.97	5.2	J
10	95-16-9	Benzothiazole	5.84	4.6	NJ
11		Unknown (5.96645)	5.97	3.7	J
12		Unknown (6.22288)	6.22	3.0	J
13	69-72-7	Salicylic Acid	6.66	2.5	NJ
14	87-41-2	1(3H)-Isobenzofuranone	7.25	7.7	NJ
15		Unknown (7.85757)	7.86	3.0	J
16		Unknown (8.38110)	8.38	4.7	J
17		Unknown (8.63753)	8.64	3.4	J
18	96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	9.15	11	NJ
19		Unknown (9.31598)	9.32	2.9	J
20		Unknown (9.73800)	9.74	4.7	J
21	4780-79-4	1-Naphthalenemethanol	10.00	5.8	NJ
22		Unknown (10.89190)	10.89	16	J
23		Unknown (11.62912)	11.63	9.8	J
24		Unknown (12.01910)	12.02	3.3	J
25		Unknown (12.55332)	12.55	3.9	J
26	81-84-5	1,8-Naphthalic anhydride	12.90	5.6	NJ
27	1599-67-3	1-Docosene (15.81202)	15.81	28	NJ
28	1599-67-3	1-Docosene (16.16458)	16.16	5.4	NJ
29		Unknown (16.96592)	16.97	3.5	J
30		Unknown (19.51945)	19.52	4.0	J

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7093.D
Date : 12-NOV-2007 04:07
Client ID: 031/MWDAY-04
Sample Info: F1606-02B,,33143,,
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i
Operator: CLM SRC: LIMS
Column diameter: 0.25



Data File: S3E7093.D
Report Date: 12-Nov-2007 12:33

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7093.D
Lab Smp Id: F1606-02B Client Smp ID: 031/MWDAY-04
Inj Date : 12-NOV-2007 04:07
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : F1606-02B,,33143,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\s3_olm4_2_S.m
Meth Date : 12-Nov-2007 12:32 S3.i Quant Type: ISTD
Cal Date : 11-NOV-2007 22:04 Cal File: S3E7081.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

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	2.000	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)
$	1 2-Fluorophenol	112	2.462	2.446	(0.685)	1792042	122.382	61
$	3 Phenol-d5	99	3.268	3.248	(0.909)	2460244	123.860	62
$	6 2-Chlorophenol-d4	132	3.370	3.360	(0.938)	1625065	126.675	63
*	8 1,4-Dichlorobenzene-d4	152	3.594	3.595	(1.000)	367386	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	3.765	3.761	(1.048)	678848	79.9901	40
$	16 Nitrobenzene-d5	82	4.278	4.273	(0.800)	1675705	87.0747	44
*	23 Naphthalene-d8	136	5.346	5.347	(1.000)	1443075	40.0000	
$	33 2-Fluorobiphenyl	172	7.494	7.489	(0.846)	2082475	82.9931	41
*	41 Acenaphthene-d10	164	8.861	8.857	(1.000)	744527	40.0000	
$	53 2,4,6-Tribromophenol	330	10.400	10.385	(0.909)	382927	149.798	75
*	58 Phenanthrene-d10	188	11.436	11.432	(1.000)	1168149	40.0000	
$	65 Terphenyl-d14	244	13.621	13.617	(0.916)	1230862	53.7562	27
*	69 Chrysene-d12	240	14.871	14.872	(1.000)	1059758	40.0000	
*	76 Perylene-d12	264	16.490	16.486	(1.000)	838959	40.0000	

11/12/07

0102

Data File: S3E7093.D
Report Date: 12-Nov-2007 12:33

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7093.D
Lab Smp Id: F1606-02B Client Smp ID: 031/MWDAY-04
Inj Date : 12-NOV-2007 04:07
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : F1606-02B,,33143,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\s3_olm4_2_S.m
Meth Date : 12-Nov-2007 12:32 S3.i Quant Type: ISTD
Cal Date : 11-NOV-2007 22:04 Cal File: S3E7081.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

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	2.000	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	3.595	2416915	40.000
* 23 Naphthalene-d8	5.347	4132989	40.000
* 41 Acenaphthene-d10	8.862	3470100	40.000
* 58 Phenanthrene-d10	11.437	3836803	40.000
* 76 Perylene-d12	16.490	3396169	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
2,5-Hexanedione				CAS #: 110-13-4			
2.868	709588	11.7436934	6	86	NIST2002.L	6988	8
Unknown				CAS #:			
3.071	983280	16.2732946	8	0		0	8

Data File: S3E7093.D
Report Date: 12-Nov-2007 12:33

RT	AREA	CONCENTRATIONS ON-COL(ng)	CONCENTRATIONS FINAL(ug/L)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	QUANT CPND #
Unknown				CAS #:			
3.114	502203	8.31146843	4	0		0	8
Unknown				CAS #:			
3.221	1010441	16.7228190	8	0		0	8
Unknown				CAS #:			
3.648	747039	12.3635087	6	0		0	8
Unknown				CAS #:			
3.733	437011	7.23253850	4	0		0	8
Unknown				CAS #:			
3.872	451885	7.47869824	4	0		0	8
Unknown				CAS #:			
3.931	760643	12.5886470	6	0		0	8
Unknown				CAS #:			
3.974	624489	10.3353008	5	0		0	8
Benzothiazole				CAS #: 95-16-9			
5.844	960116	9.29221842	5	94	NIST2002.L	14922	23
Unknown				CAS #:			
5.966	765861	7.41217328	4	0		0	23
Unknown				CAS #:			
6.223	613826	5.94074471	3	0		0	23
Salicylic Acid				CAS #: 69-72-7			
6.656	523012	5.06182875	3	93	NIST2002.L	16612	23
1(3H)-Isobenzofuranone				CAS #: 87-41-2			
7.254	1338435	15.4281976	8	94	NIST2002.L	14734	41
Unknown				CAS #:			
7.858	515182	5.93852840	3	0		0	41
Unknown				CAS #:			
8.381	815506	9.40036737	5	0		0	41
Unknown				CAS #:			
8.638	587923	6.77701013	3	0		0	41
Phenol, 2,4-bis(1,1-dimethylethyl)-				CAS #: 96-76-4			
9.145	1838328	21.1904894	11	96	NIST2002.L	60209	41
Unknown				CAS #:			
9.316	501684	5.78293168	3	0		0	41
Unknown				CAS #:			
9.738	818392	9.43363600	5	0		0	41

Data File: S3E7093.D
Report Date: 12-Nov-2007 12:33

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
1-Naphthalenemethanol				CAS #: 4780-79-4			
10.000	1001911	11.5490668	6	90	NIST2002.L	28290	41
Unknown				CAS #:			
10.892	2986209	31.1322606	16	0		0	58
Unknown				CAS #:			
11.629	1871362	19.5095997	10	0		0	58
Unknown				CAS #:			
12.019	640219	6.67450931	3	0		0	58
Unknown				CAS #:			
12.553	756641	7.88824584	4	0		0	58
1,8-Naphthalic anhydride				CAS #: 81-84-5			
12.901	1070933	11.1648442	6	98	NIST2002.L	54831	58
1-Docosene				CAS #: 1599-67-3			
15.812	4810409	56.6568739	28	96	NIST2002.L	121980	76
1-Docosene				CAS #: 1599-67-3			
16.165	921113	10.8488461	5	95	NIST2002.L	121981	76
Unknown				CAS #:			
16.966	591510	6.96678831	3	0		0	76
Unknown				CAS #:			
19.519	686798	8.08909445	4	0		0	76

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7093.D

Date : 12-NOV-2007 04:07

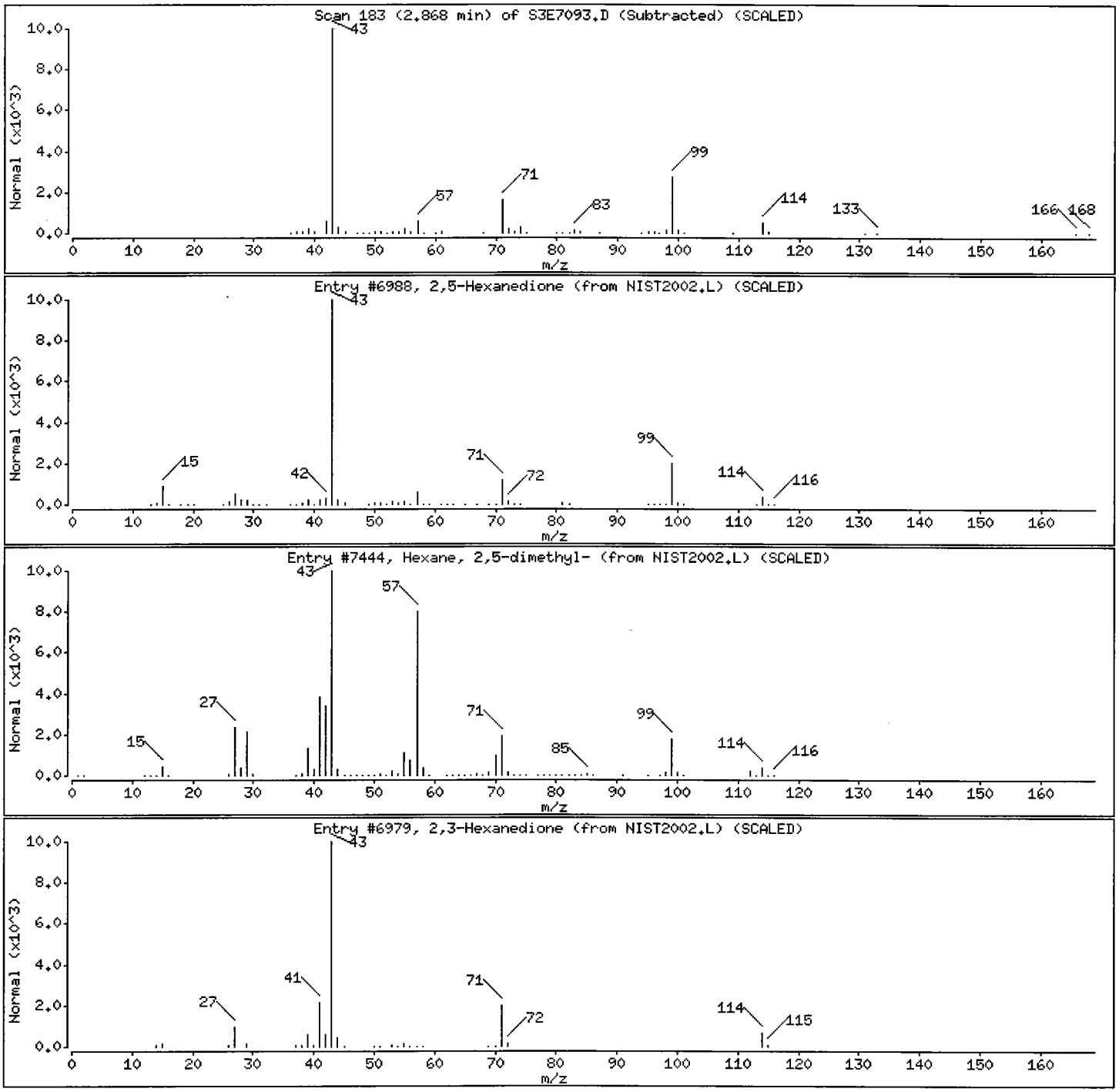
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2,5-Hexanedione	110-13-4	NIST2002.L	6988	86	C6H10O2	114
Hexane, 2,5-dimethyl-	592-13-2	NIST2002.L	7444	53	C8H18	114
2,3-Hexanedione	3848-24-6	NIST2002.L	6979	46	C6H10O2	114



Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7093.D

Date : 12-NOV-2007 04:07

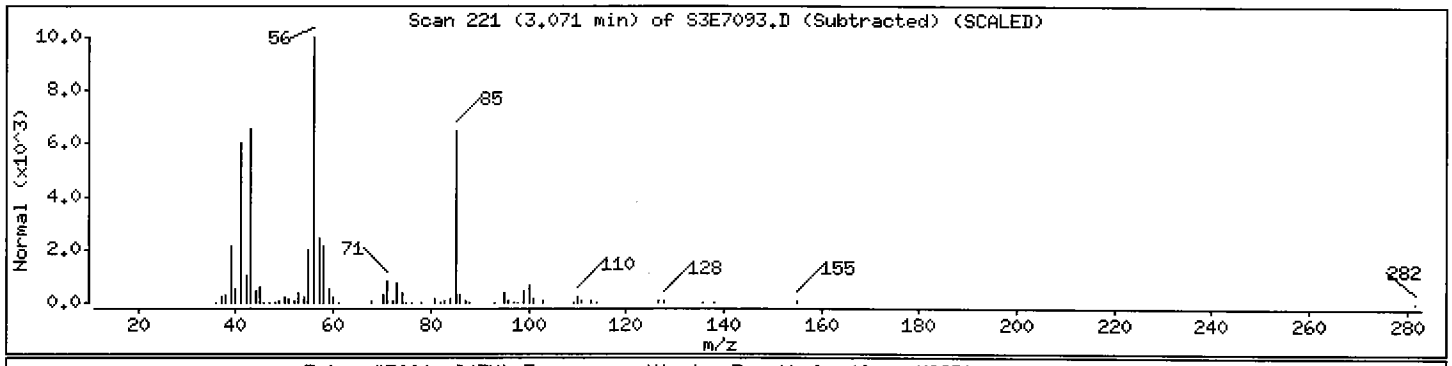
Client ID: 031/MWDAY-04 Instrument: S3.i

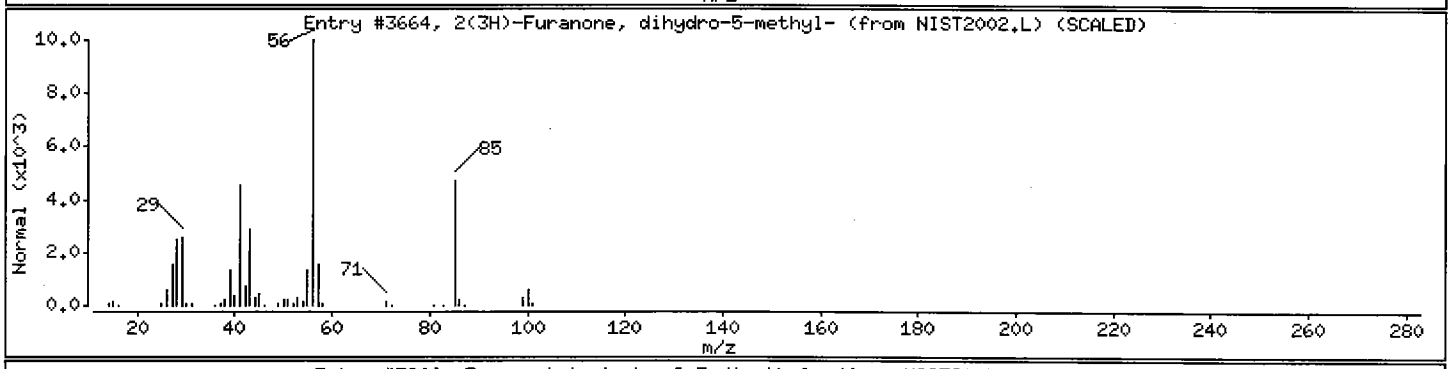
Sample Info: F1606-02B,,33143,,

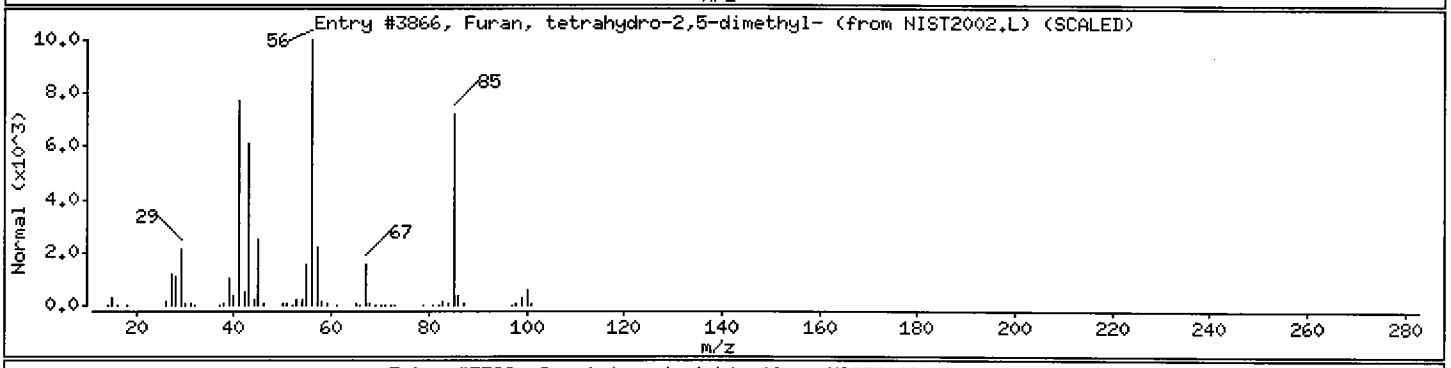
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

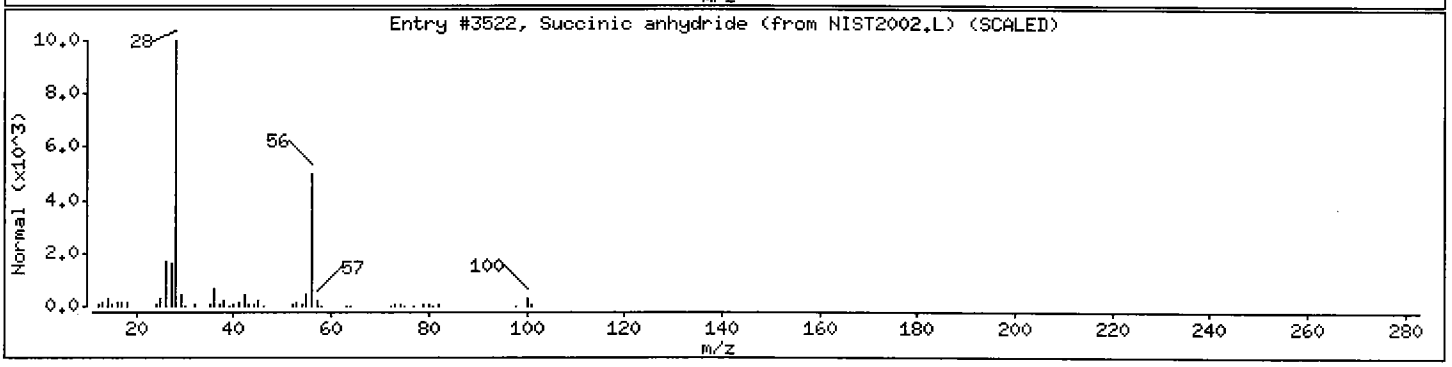
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2(3H)-Furanone, dihydro-5-methyl-	108-29-2	NIST2002.L	3664	81	C5H8O2	100
Furan, tetrahydro-2,5-dimethyl-	1003-38-9	NIST2002.L	3866	76	C6H12O	100
Succinic anhydride	108-30-5	NIST2002.L	3522	46	C4H4O3	100









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Date : 12-NOV-2007 04:07

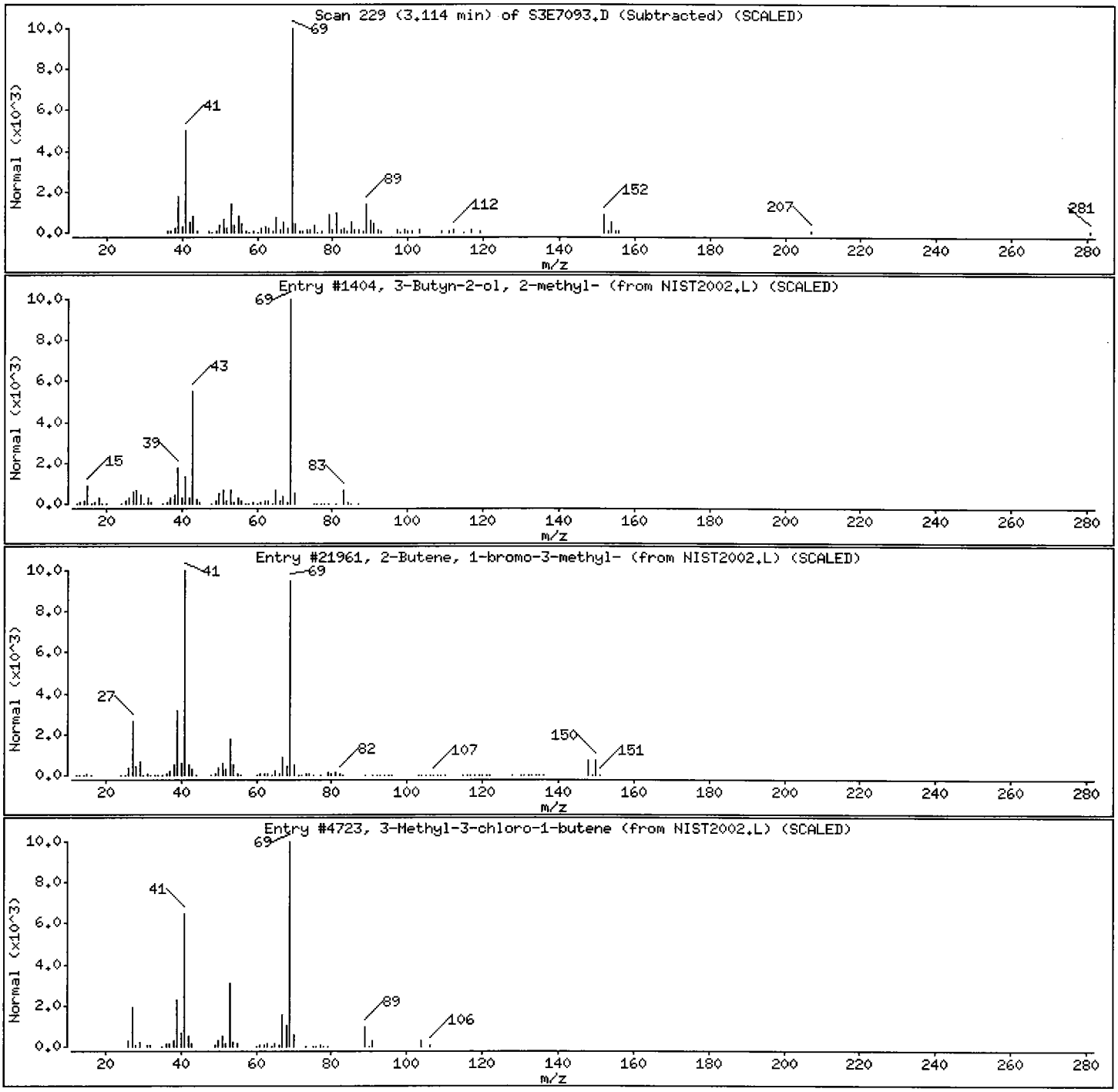
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Butyn-2-ol, 2-methyl-	115-19-5	NIST2002.L	1404	50	C5H8O	84
2-Butene, 1-bromo-3-methyl-	870-63-3	NIST2002.L	21961	50	C5H9Br	148
3-Methyl-3-chloro-1-butene	2190-48-9	NIST2002.L	4723	50	C5H9Cl	104



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Date : 12-NOV-2007 04:07

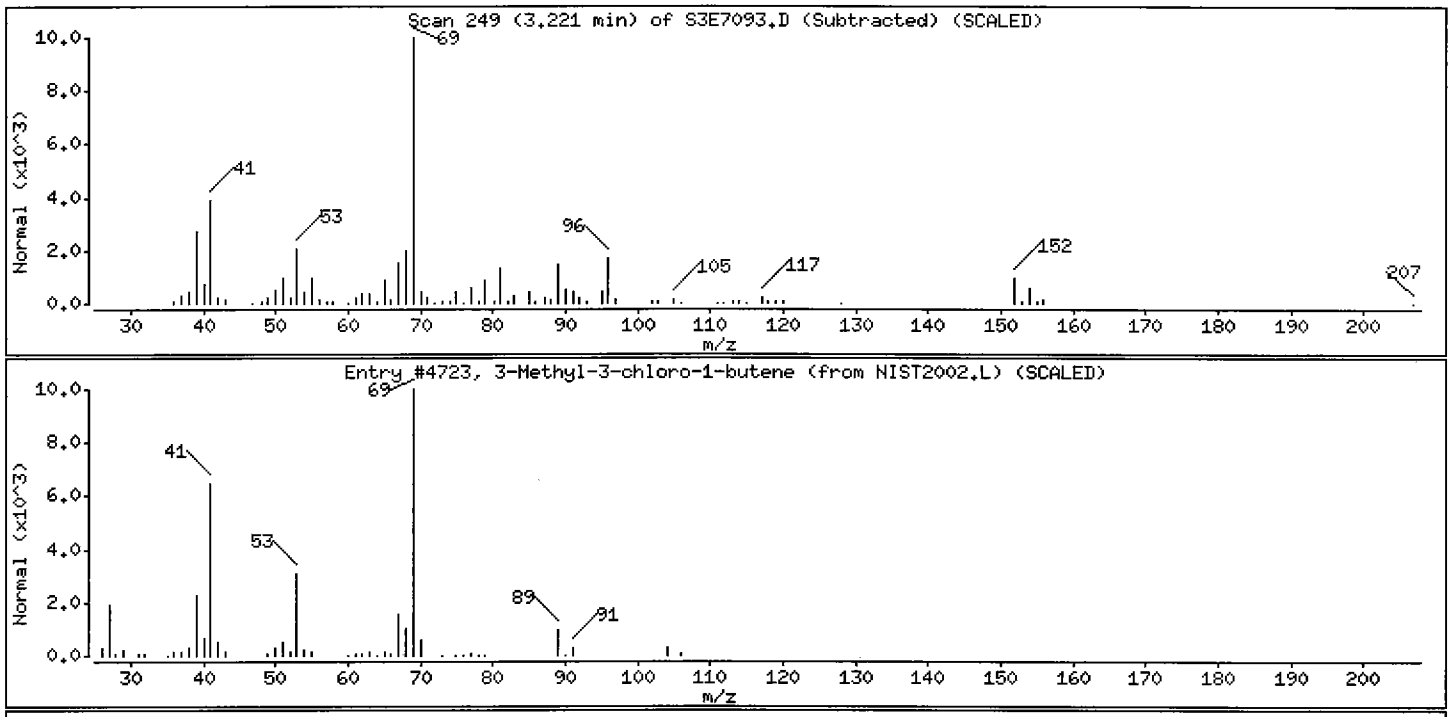
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Methyl-3-chloro-1-butene	2190-48-9	NIST2002.L	4723	53	C5H9Cl	104



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Date : 12-NOV-2007 04:07

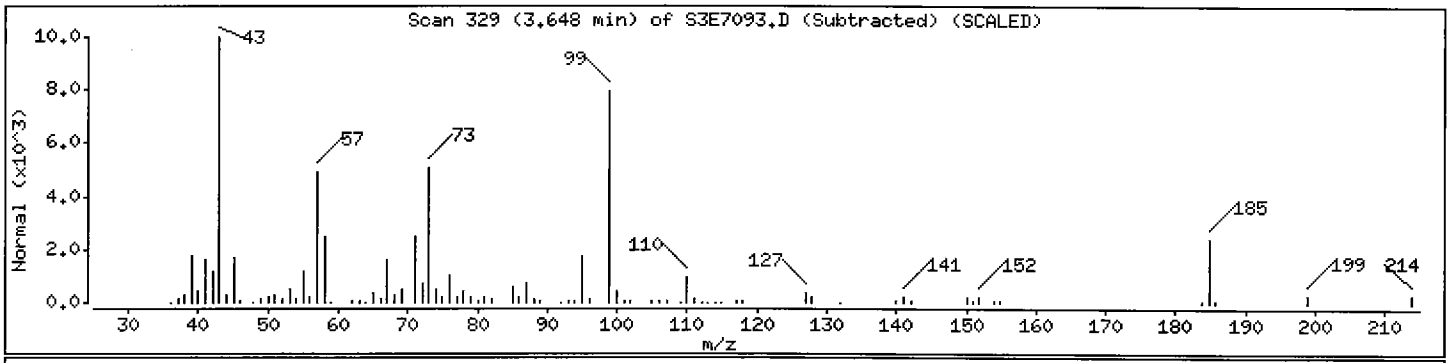
Client ID: 031/MWDAY-04 Instrument: S3.i

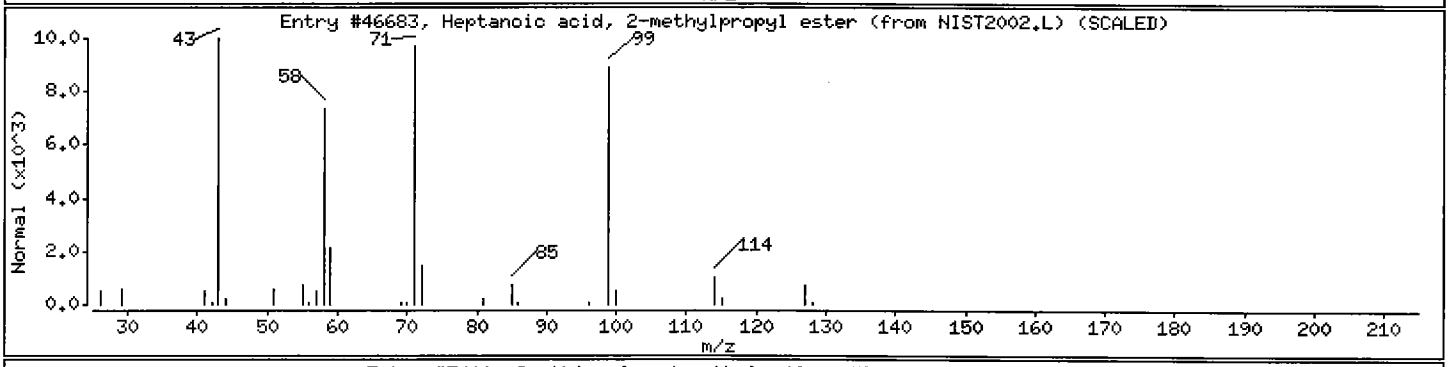
Sample Info: F1606-02B,,33143,,

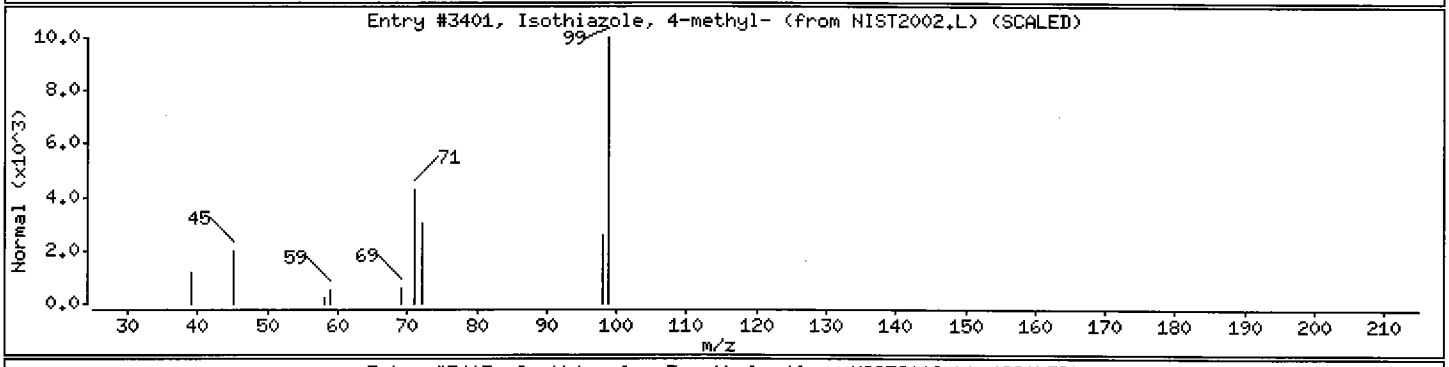
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

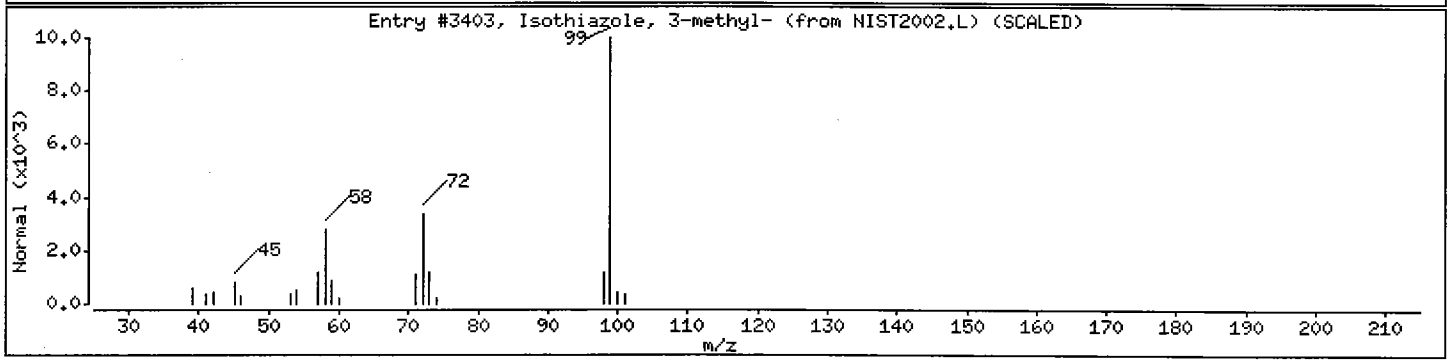
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptanoic acid, 2-methylpropyl ester	7779-80-8	NIST2002.L	46683	47	C11H22O2	186
Isothiazole, 4-methyl-	693-90-3	NIST2002.L	3401	43	C4H5NS	99
Isothiazole, 3-methyl-	693-92-5	NIST2002.L	3403	43	C4H5NS	99









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Date : 12-NOV-2007 04:07

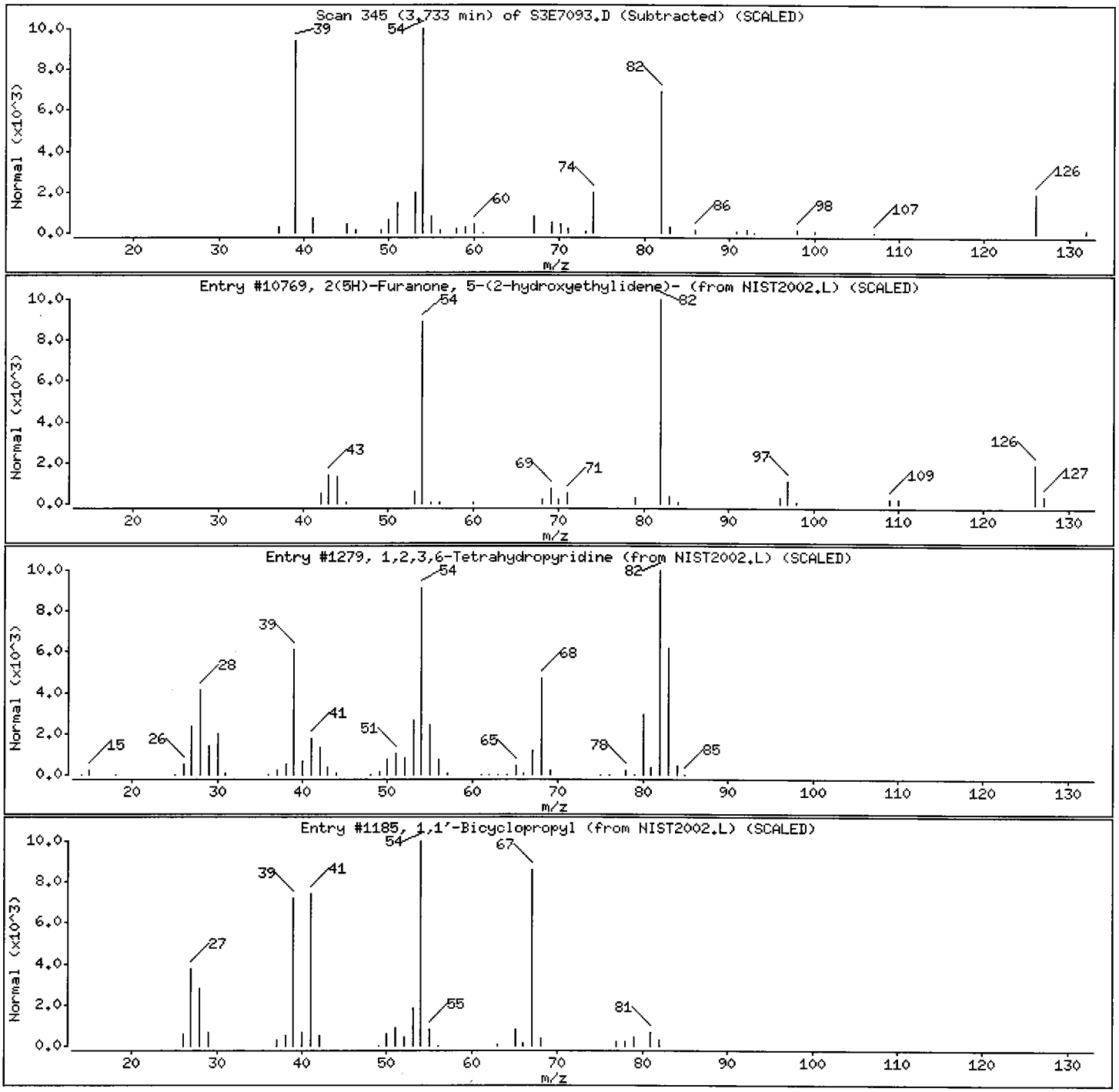
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2(5H)-Furanone, 5-(2-hydroxyethylidene)-	89291-42-9	NIST2002.L	10769	56	C6H6O3	126
1,2,3,6-Tetrahydropyridine	694-05-3	NIST2002.L	1279	43	C5H9N	83
1,1'-Bicyclopropyl	5685-46-1	NIST2002.L	1185	43	C6H10	82



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Date : 12-NOV-2007 04:07

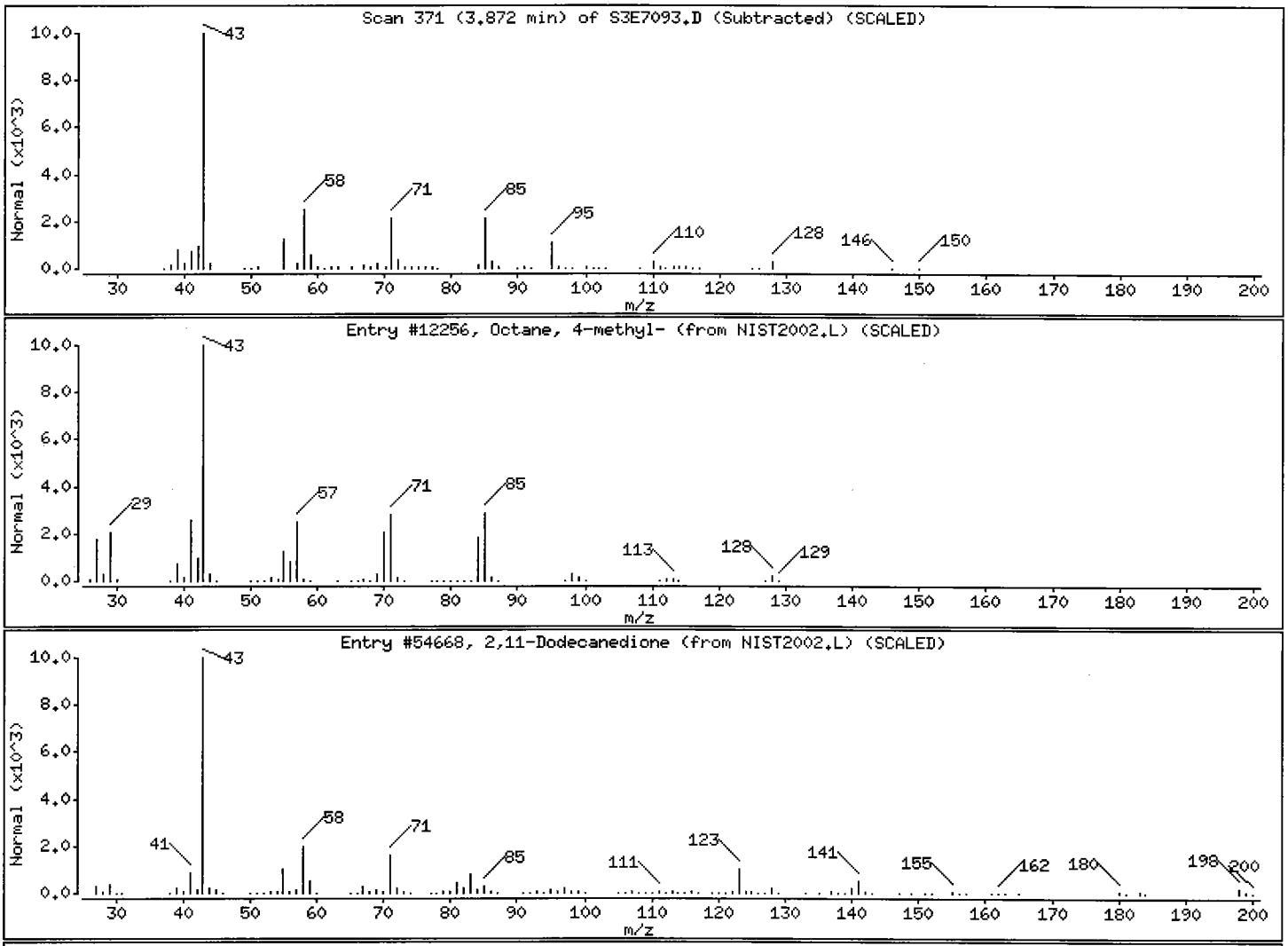
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octane, 4-methyl-	2216-34-4	NIST2002.L	12256	50	C9H20	128
2,11-Dodecanedione	7029-09-6	NIST2002.L	54668	40	C12H2202	198



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Date : 12-NOV-2007 04:07

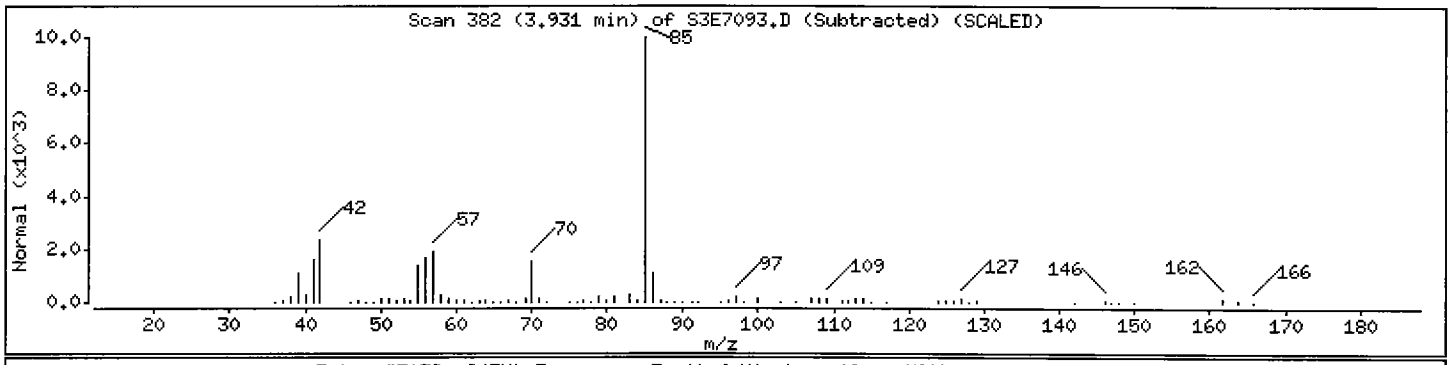
Client ID: 031/MWDAY-04 Instrument: S3.i

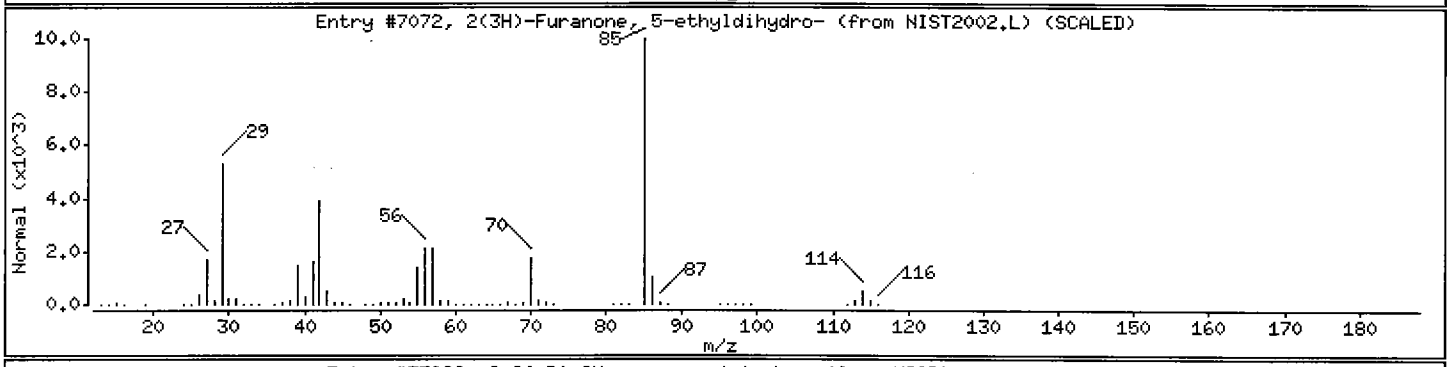
Sample Info: F1606-02B,,33143,,

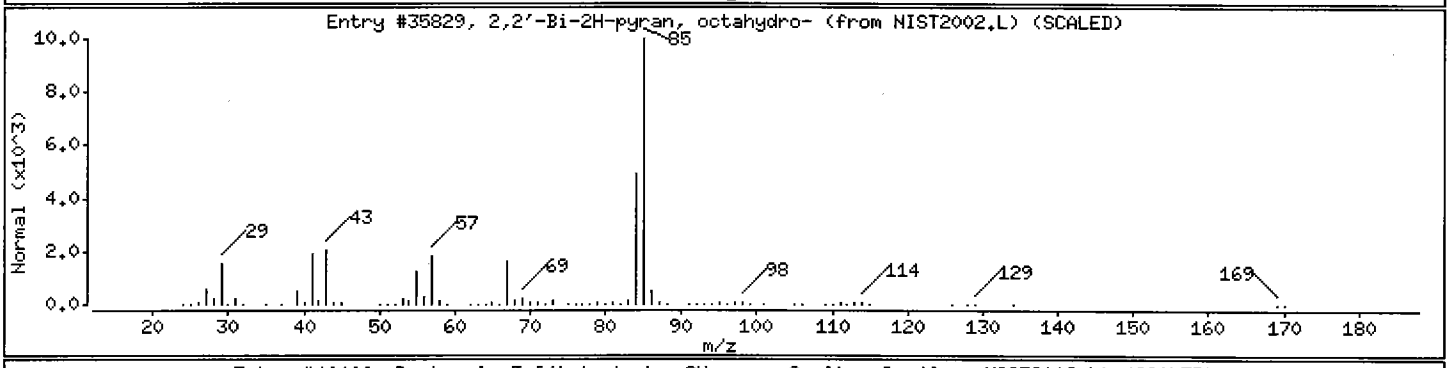
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

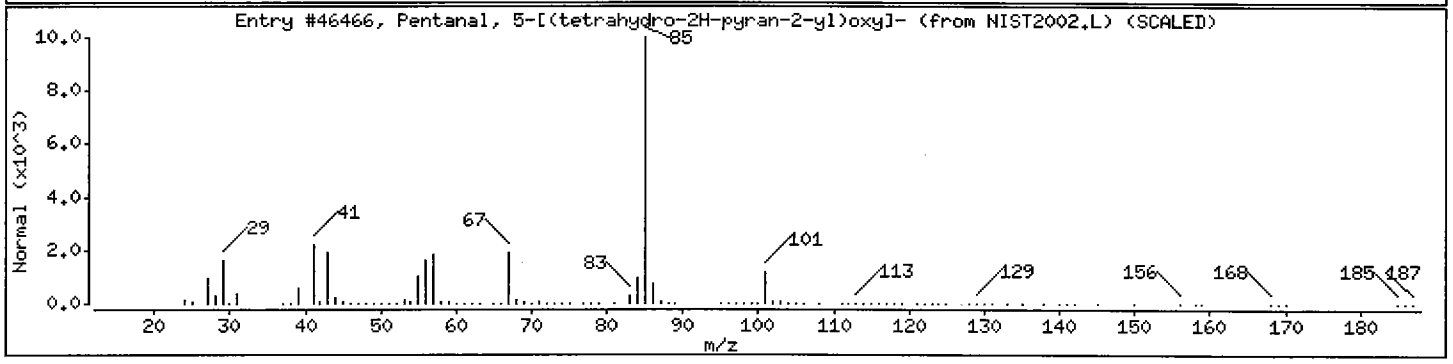
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2(3H)-Furanone, 5-ethyldihydro-	695-06-7	NIST2002.L	7072	83	C6H10O2	114
2,2'-Bi-2H-pyran, octahydro-	16282-29-4	NIST2002.L	35829	42	C10H18O2	170
Pentanal, 5-[(tetrahydro-2H-pyran-2-yl)o	14194-86-6	NIST2002.L	46466	42	C10H18O3	186









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Date : 12-NOV-2007 04:07

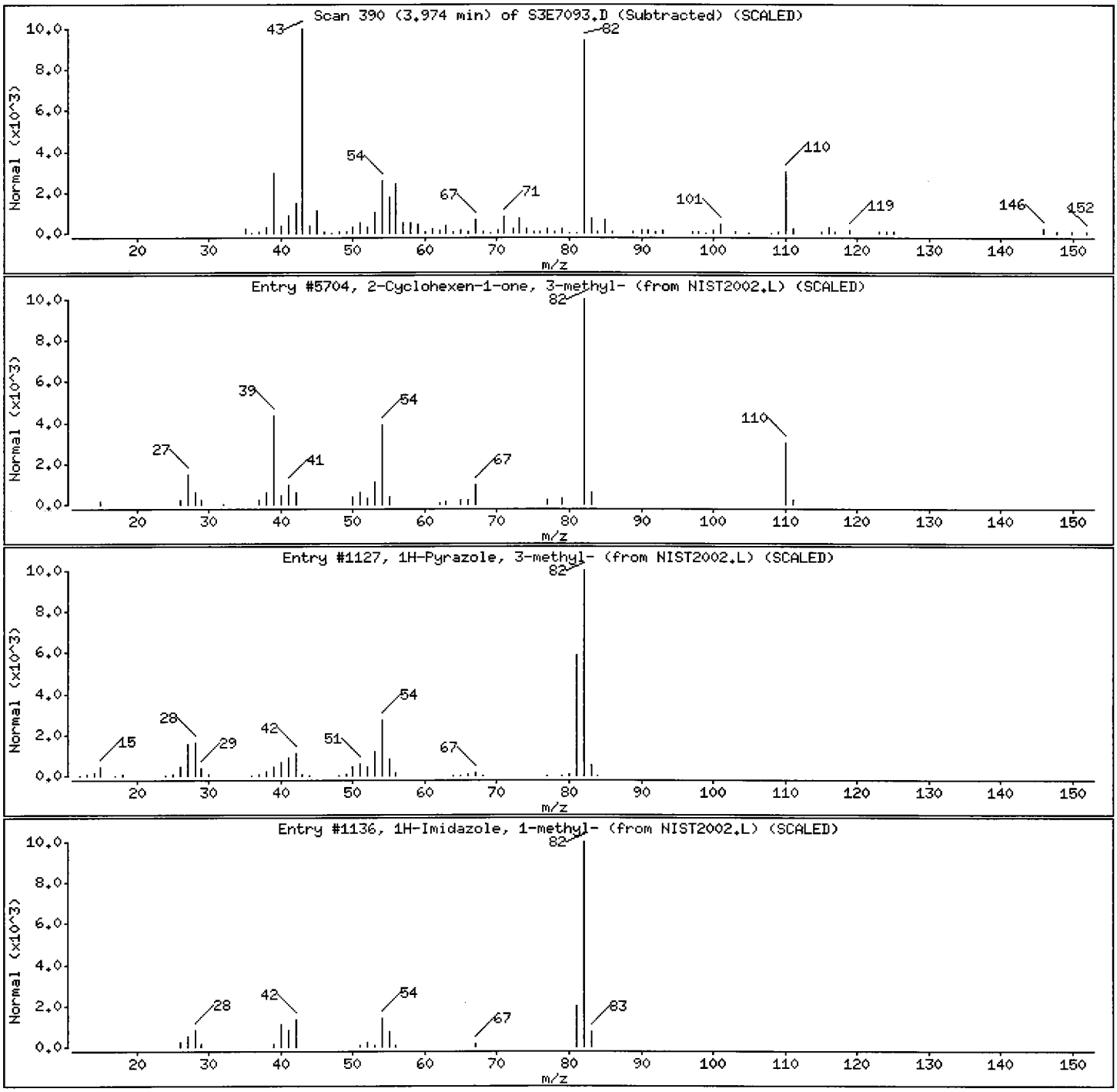
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Cyclohexen-1-one, 3-methyl-	1193-18-6	NIST2002.L	5704	76	C7H10O	110
1H-Pyrazole, 3-methyl-	1453-58-3	NIST2002.L	1127	49	C4H6N2	82
1H-Imidazole, 1-methyl-	616-47-7	NIST2002.L	1136	49	C4H6N2	82



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Date : 12-NOV-2007 04:07

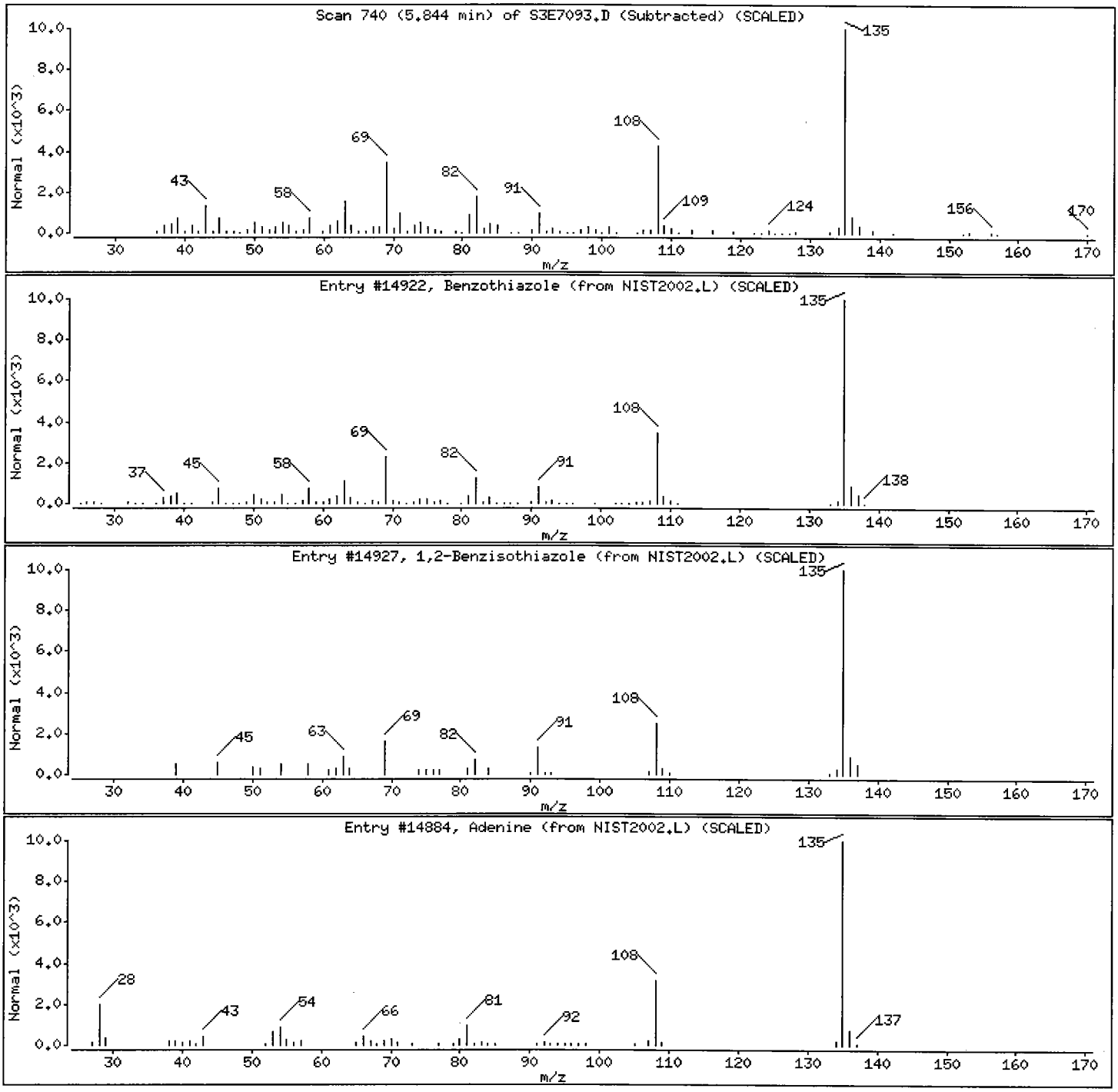
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzothiazole	95-16-9	NIST2002.L	14922	94	C7H5NS	135
1,2-Benzisothiazole	272-16-2	NIST2002.L	14927	68	C7H5NS	135
Adenine	73-24-5	NIST2002.L	14884	64	C5H5N5	135



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Date : 12-NOV-2007 04:07

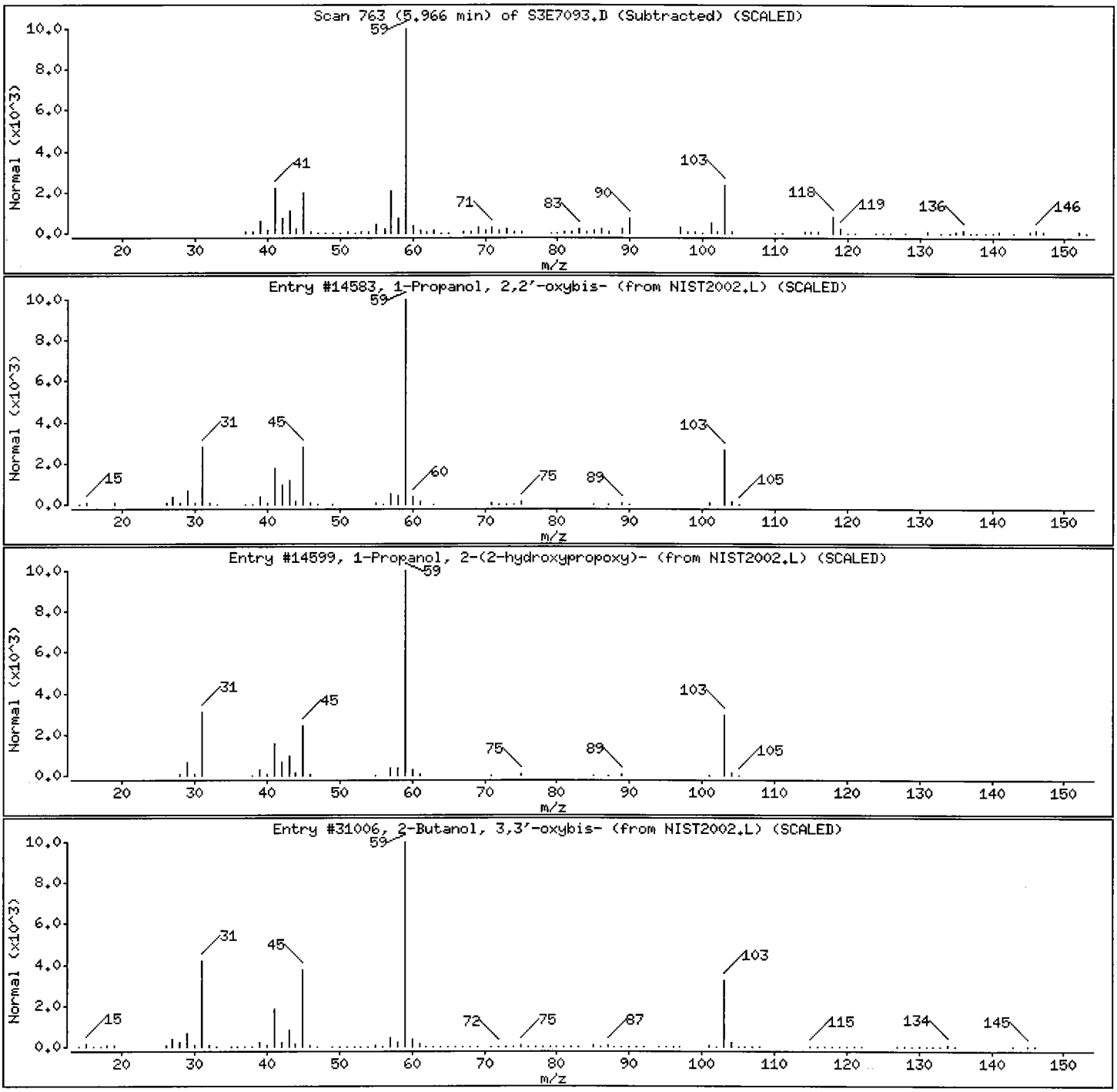
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Propanol, 2,2'-oxybis-	108-61-2	NIST2002.L	14583	72	C6H14O3	134
1-Propanol, 2-(2-hydroxypropoxy)-	106-62-7	NIST2002.L	14599	72	C6H14O3	134
2-Butanol, 3,3'-oxybis-	54305-61-2	NIST2002.L	31006	72	C8H18O3	162



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Date : 12-NOV-2007 04:07

Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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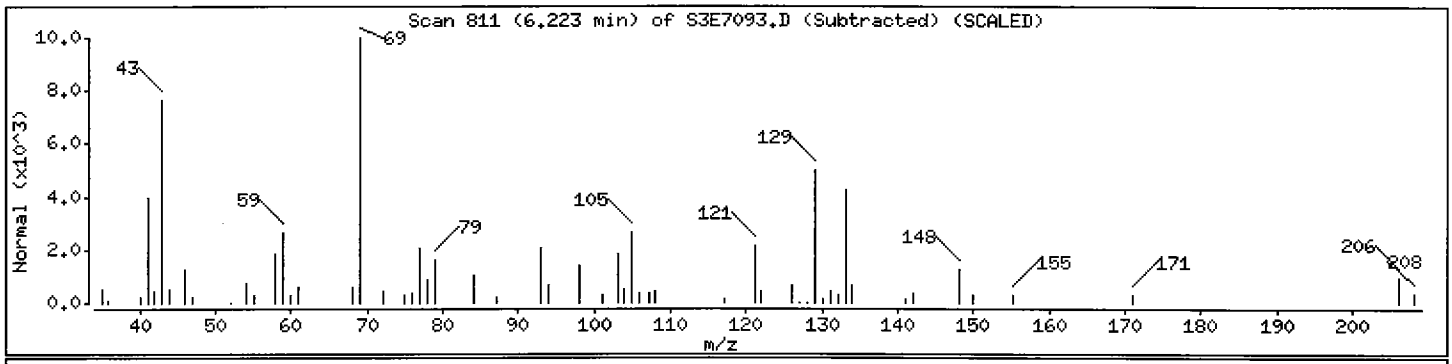

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Date : 12-NOV-2007 04:07

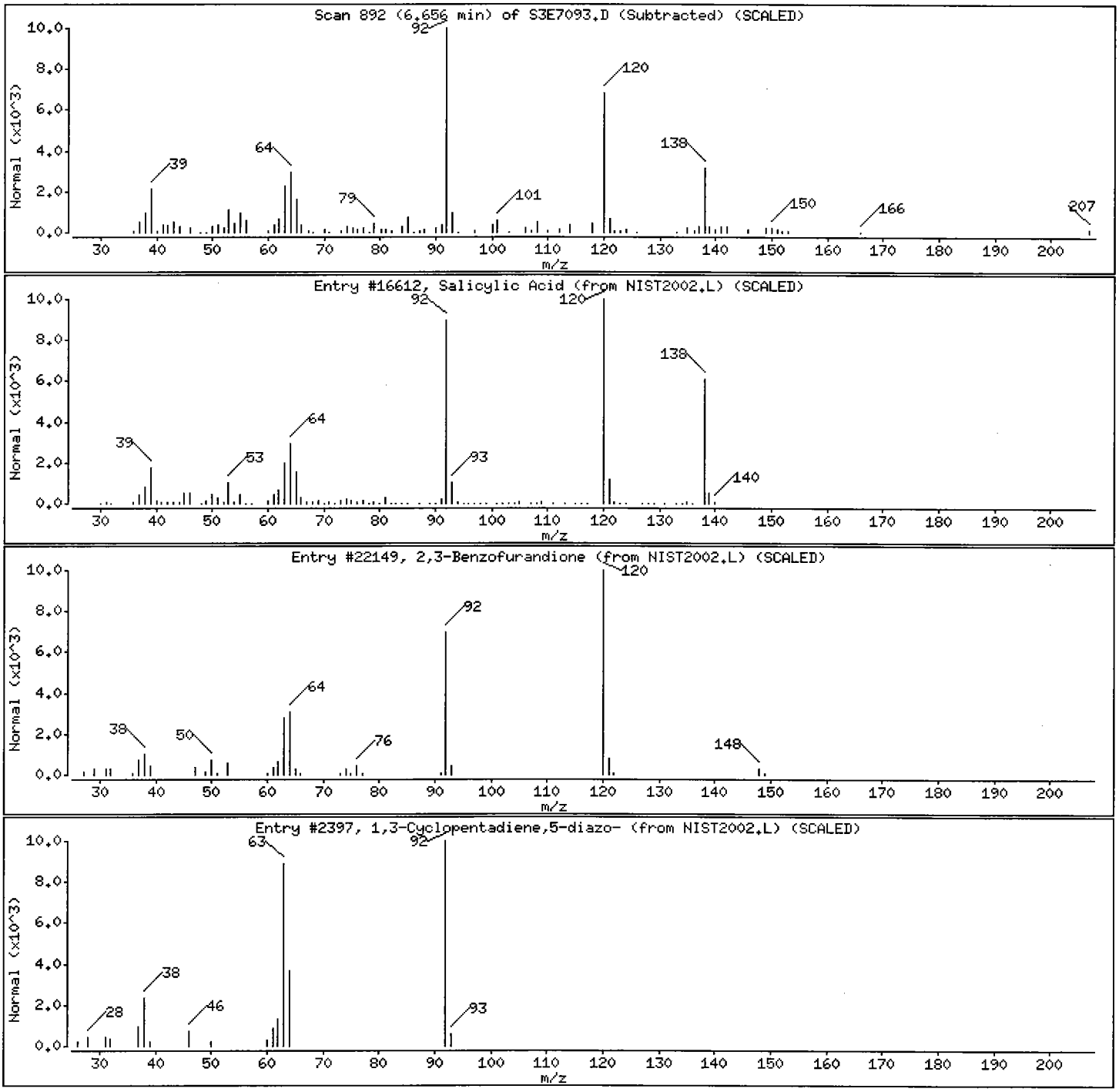
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Salicylic Acid	69-72-7	NIST2002.L	16612	93	C7H6O3	138
2,3-Benzofurandione	4732-72-3	NIST2002.L	22149	50	C8H4O3	148
1,3-Cyclopentadiene,5-diazo-	1192-27-4	NIST2002.L	2397	43	C5H4N2	92



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Date : 12-NOV-2007 04:07

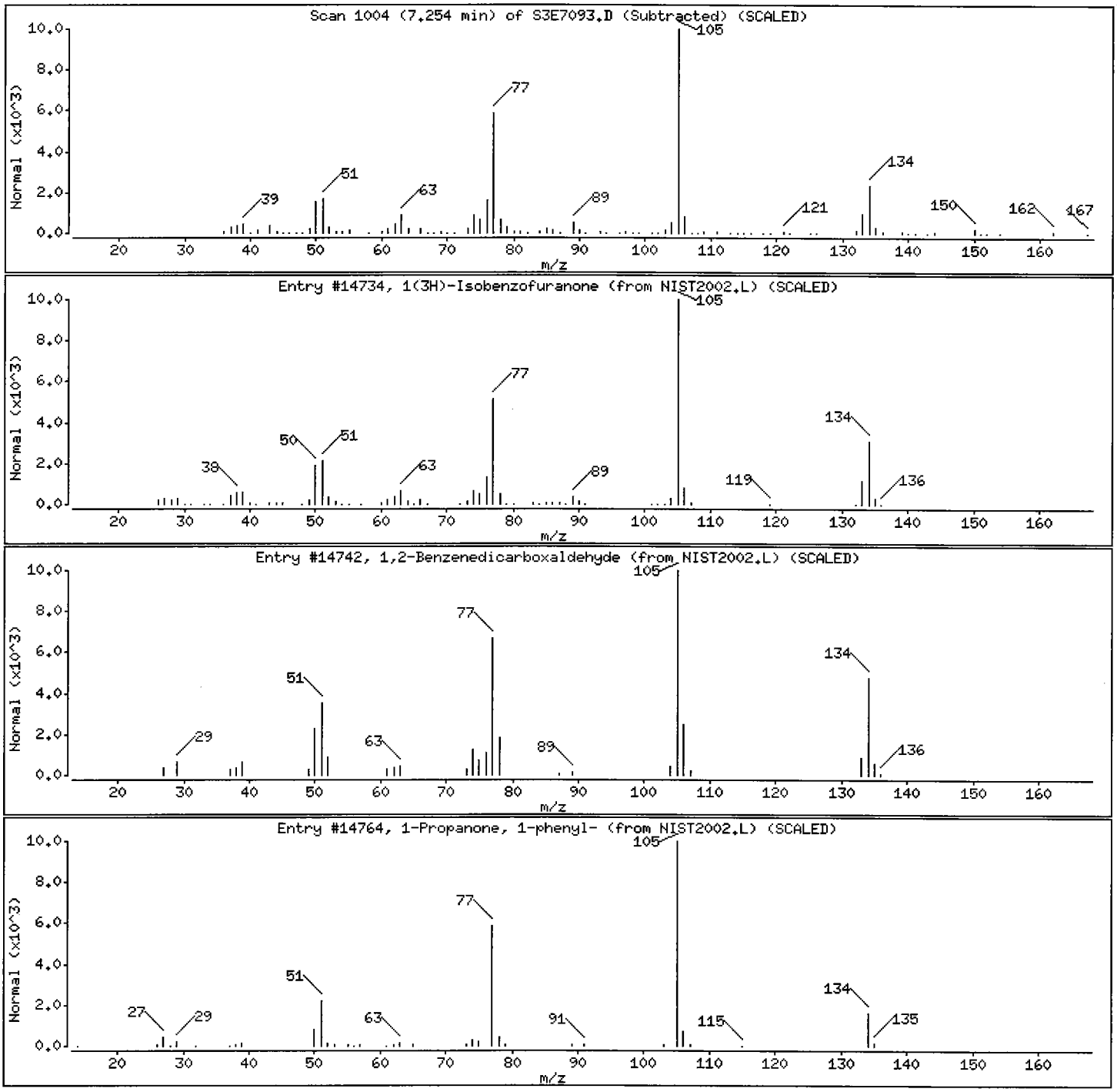
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1(3H)-Isobenzofuranone	87-41-2	NIST2002.L	14734	94	C8H6O2	134
1,2-Benzenedicarboxaldehyde	643-79-8	NIST2002.L	14742	80	C8H6O2	134
1-Propanone, 1-phenyl-	93-55-0	NIST2002.L	14764	52	C9H10O	134



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Date : 12-NOV-2007 04:07

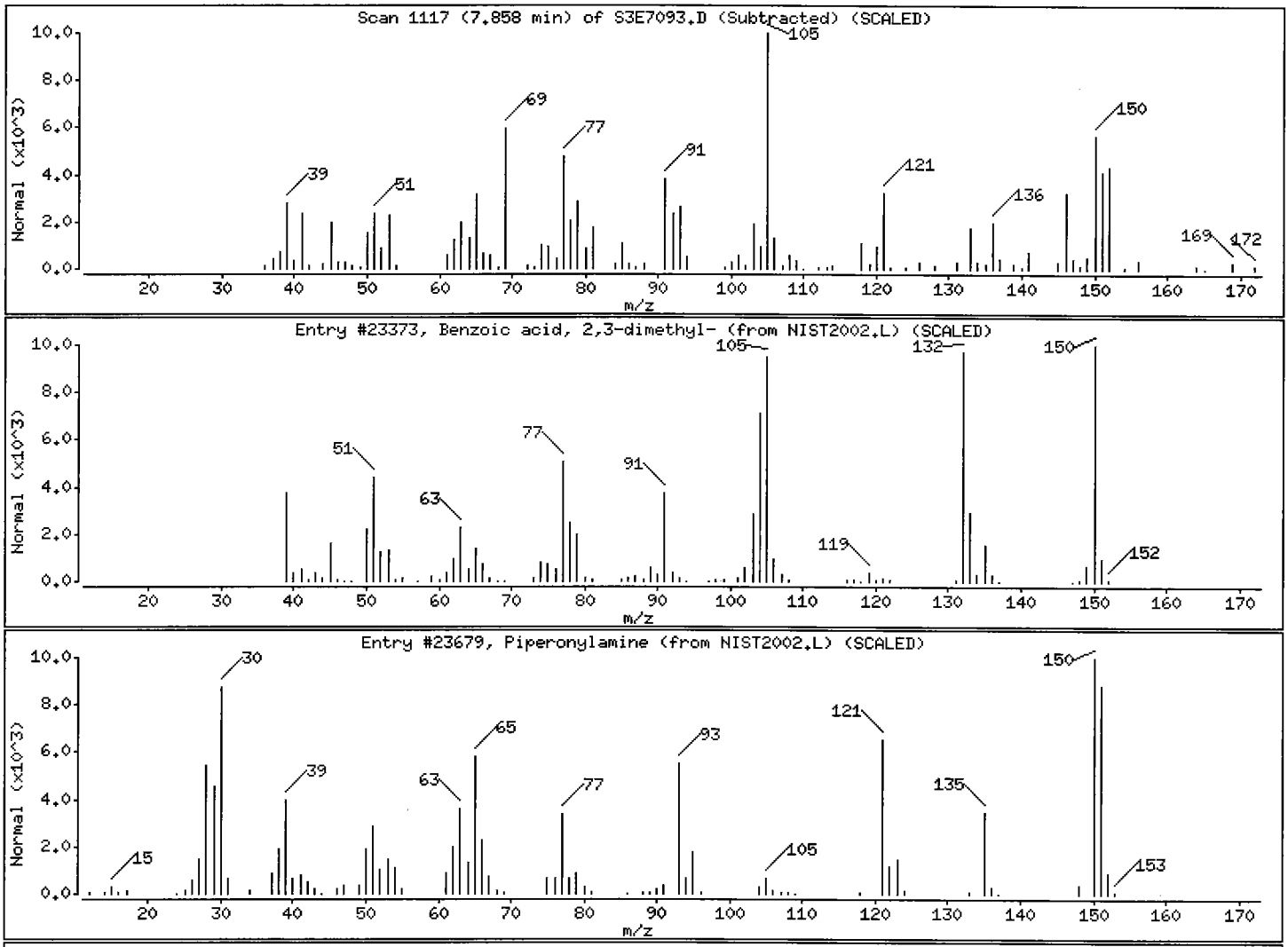
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzoic acid, 2,3-dimethyl-	603-79-2	NIST2002.L	23373	45	C9H10O2	150
Piperonylamine	2620-50-0	NIST2002.L	23679	41	C8H9NO2	151



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Date : 12-NOV-2007 04:07

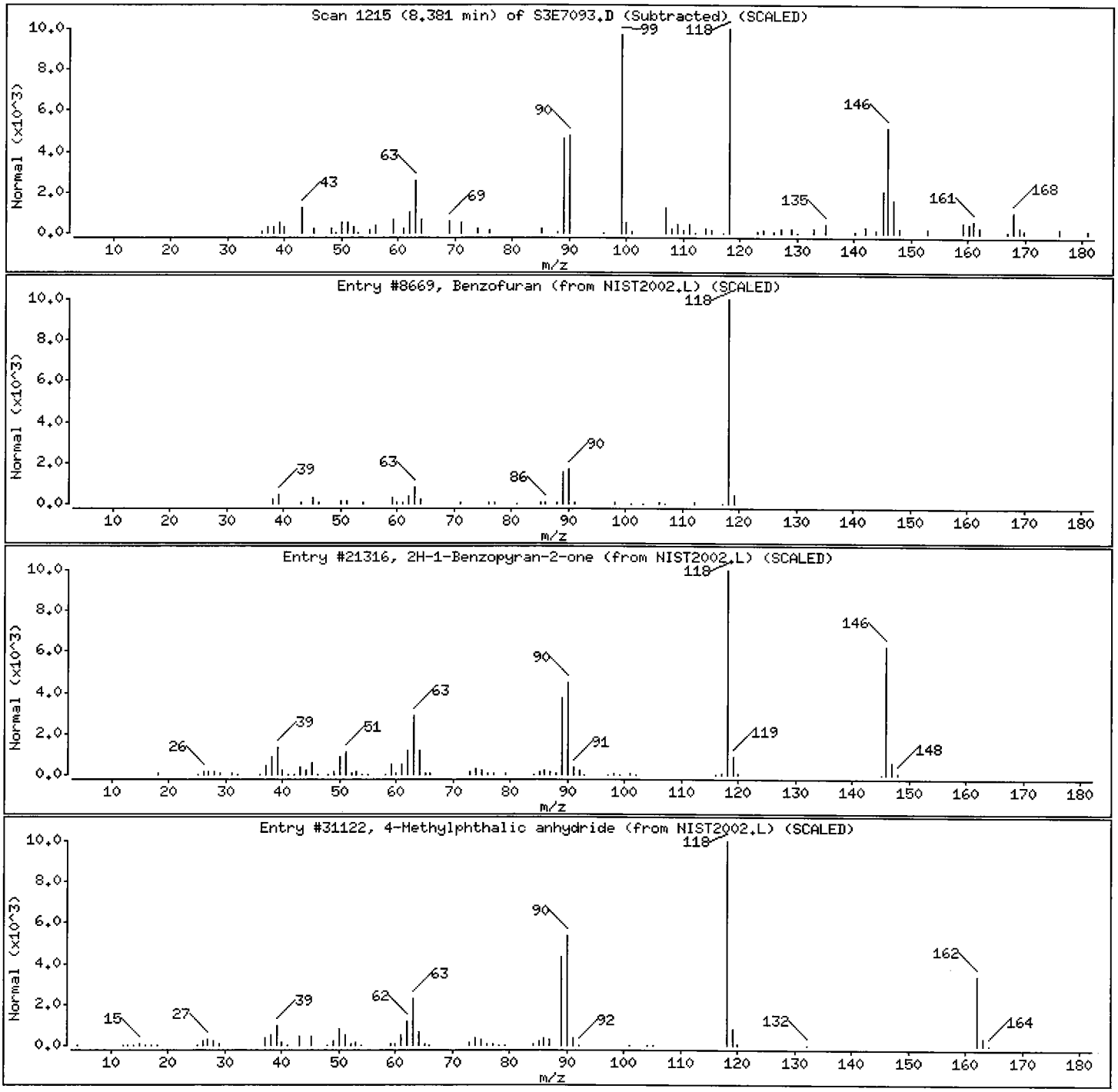
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzofuran	271-89-6	NIST2002.L	8669	55	C8H6O	118
2H-1-Benzopyran-2-one	91-64-5	NIST2002.L	21316	52	C9H6O2	146
4-Methylphthalic anhydride	1938-61-0	NIST2002.L	31122	43	C9H6O3	162



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Date : 12-NOV-2007 04:07

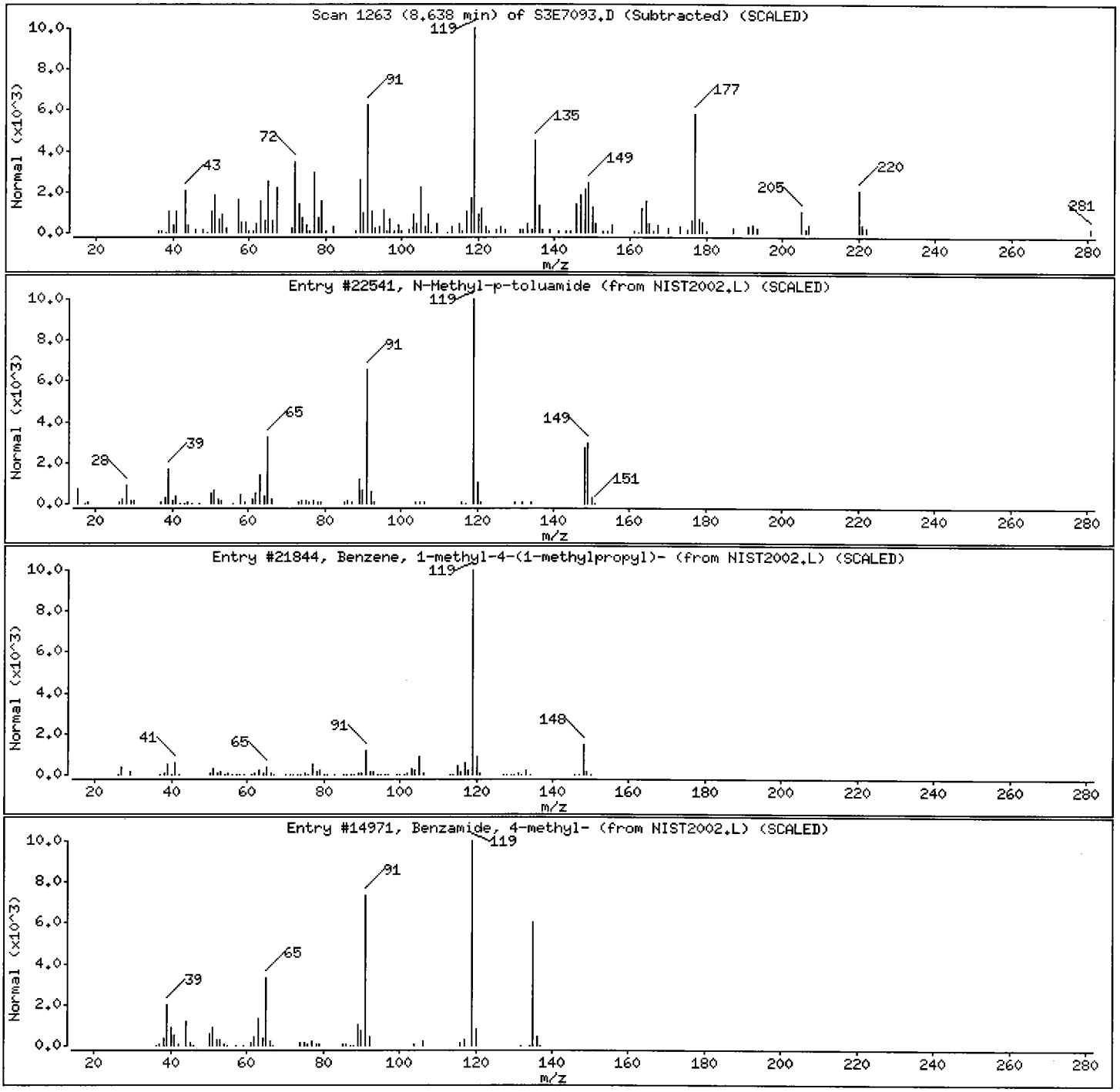
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
N-Methyl-p-toluamide	18370-11-1	NIST2002.L	22541	46	C9H11NO	149
Benzene, 1-methyl-4-(1-methylpropyl)-	1595-16-0	NIST2002.L	21844	42	C11H16	148
Benzamide, 4-methyl-	619-55-6	NIST2002.L	14971	41	C8H9NO	135



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Date : 12-NOV-2007 04:07

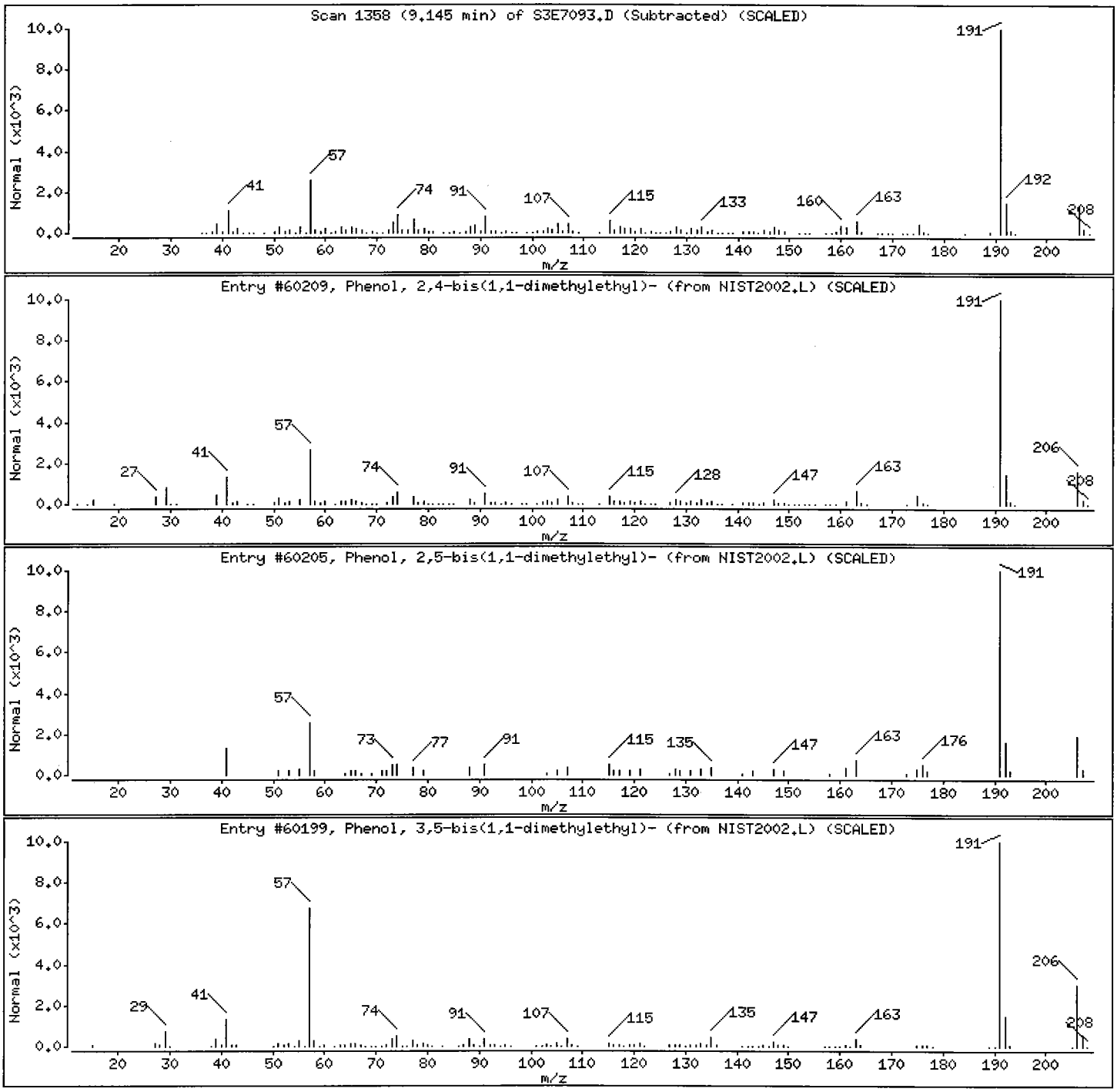
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Phenol, 2,4-bis(1,1-dimethylethyl)-	96-76-4	NIST2002.L	60209	96	C14H22O	206
Phenol, 2,5-bis(1,1-dimethylethyl)-	5875-45-6	NIST2002.L	60205	93	C14H22O	206
Phenol, 3,5-bis(1,1-dimethylethyl)-	1138-52-9	NIST2002.L	60199	83	C14H22O	206



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Date : 12-NOV-2007 04:07

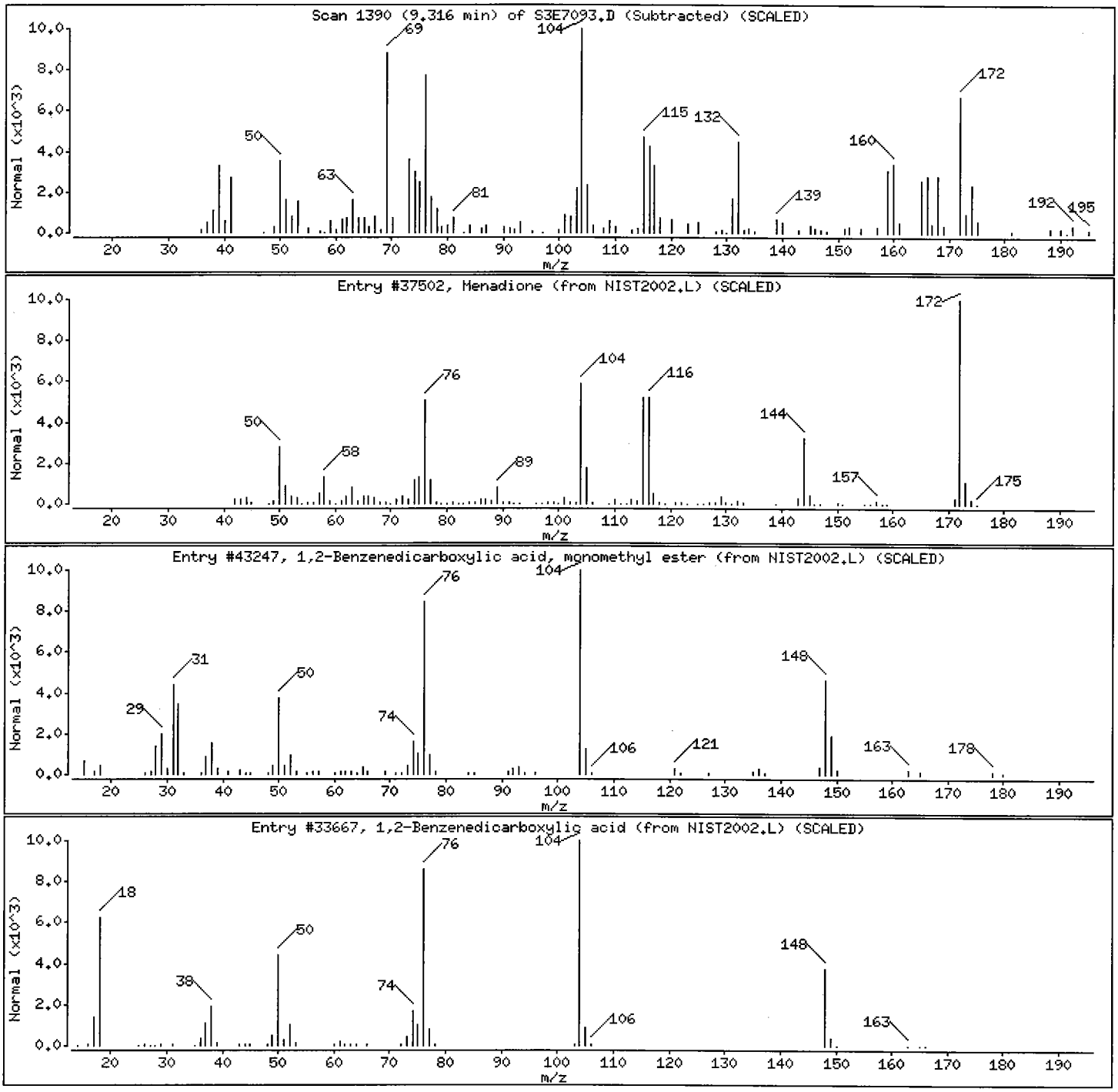
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Menadione	58-27-5	NIST2002.L	37502	64	C11H8O2	172
1,2-Benzenedicarboxylic acid, monomethyl	4376-18-5	NIST2002.L	43247	43	C9H8O4	180
1,2-Benzenedicarboxylic acid	88-99-3	NIST2002.L	33667	43	C8H6O4	166



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Date : 12-NOV-2007 04:07

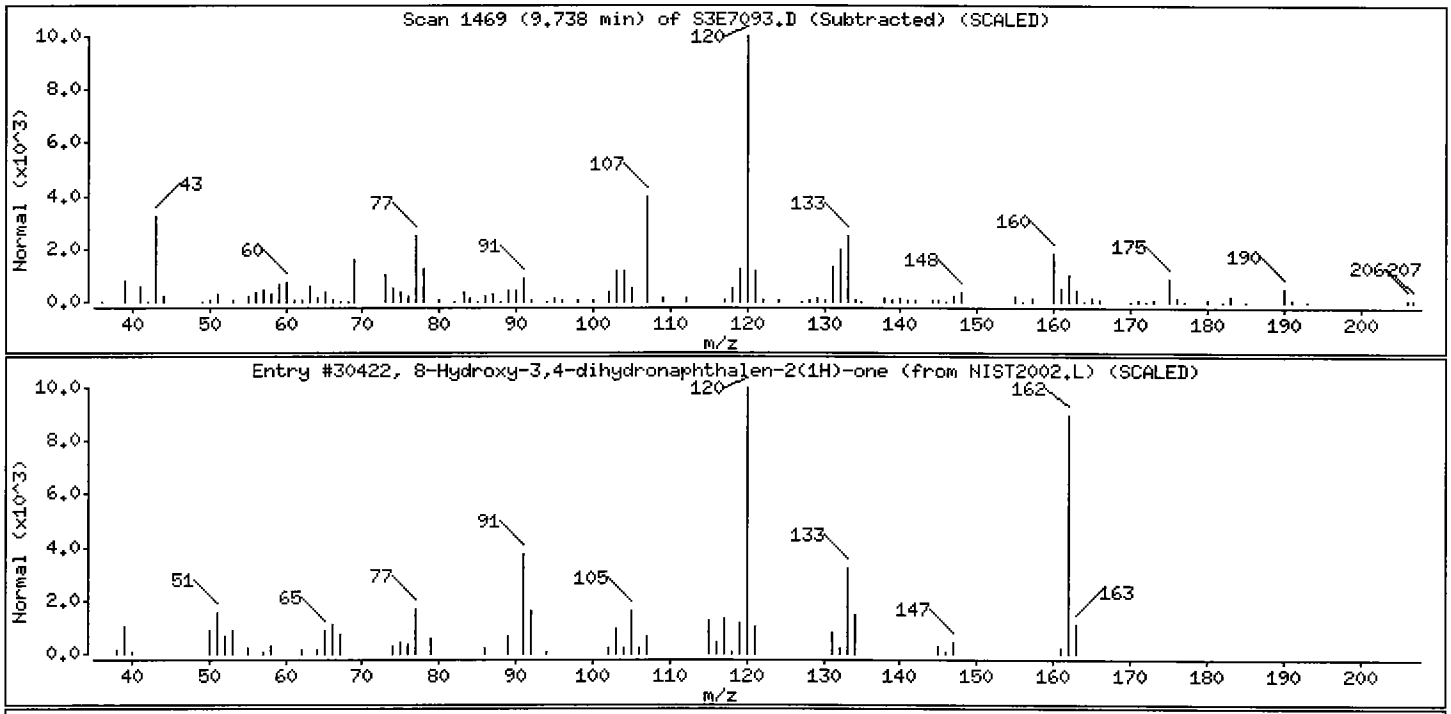
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
8-Hydroxy-3,4-dihydronaphthalen-2(1H)-on	53568-05-1	NIST2002.L	30422	47	C10H10O2	162



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Date : 12-NOV-2007 04:07

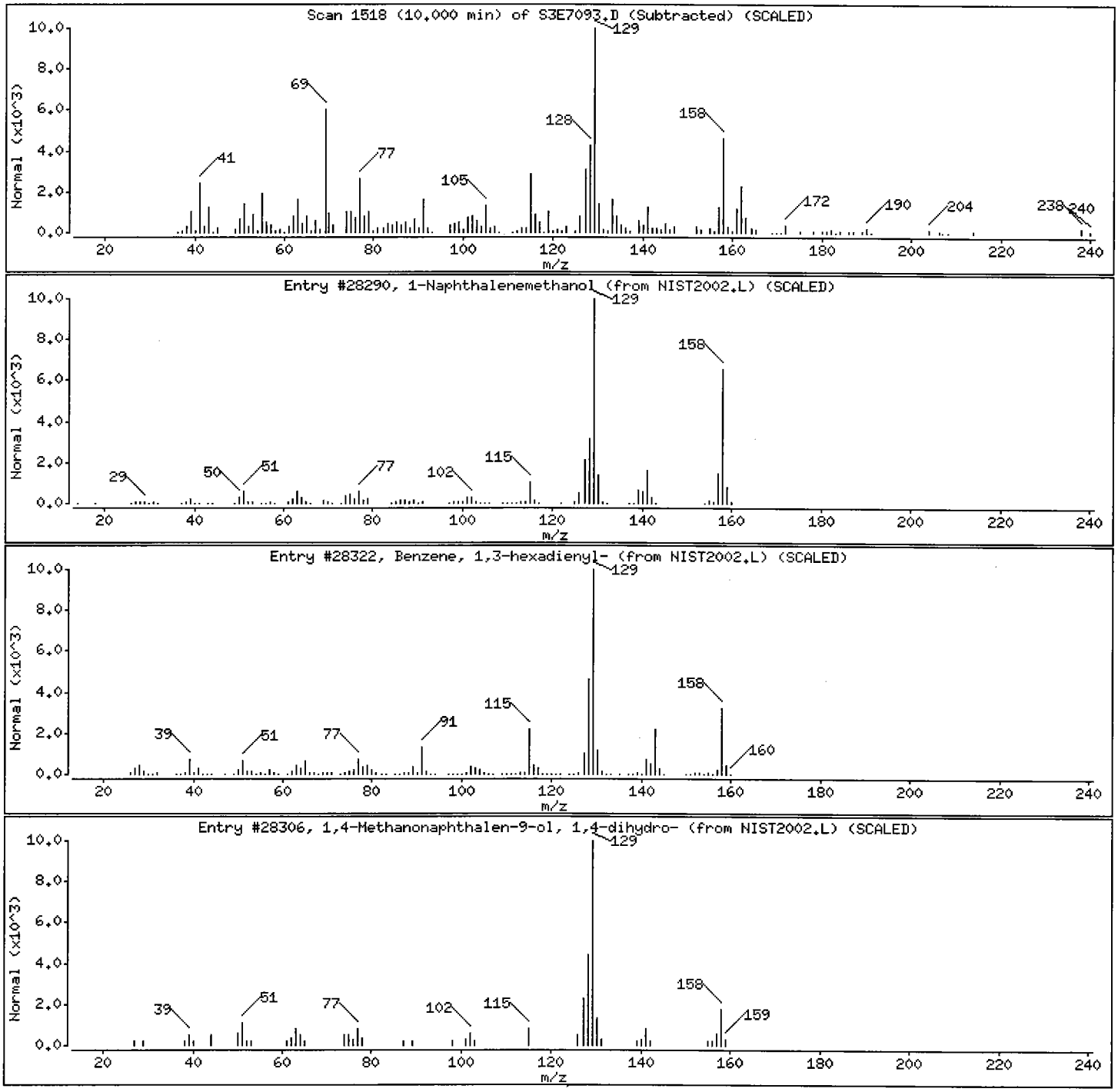
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Naphthalenemethanol	4780-79-4	NIST2002.L	28290	90	C11H10O	158
Benzene, 1,3-hexadienyl-	41635-77-2	NIST2002.L	28322	76	C12H14	158
1,4-Methanonaphthalen-9-ol, 1,4-dihydro-	4796-33-2	NIST2002.L	28306	74	C11H10O	158



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Date : 12-NOV-2007 04:07

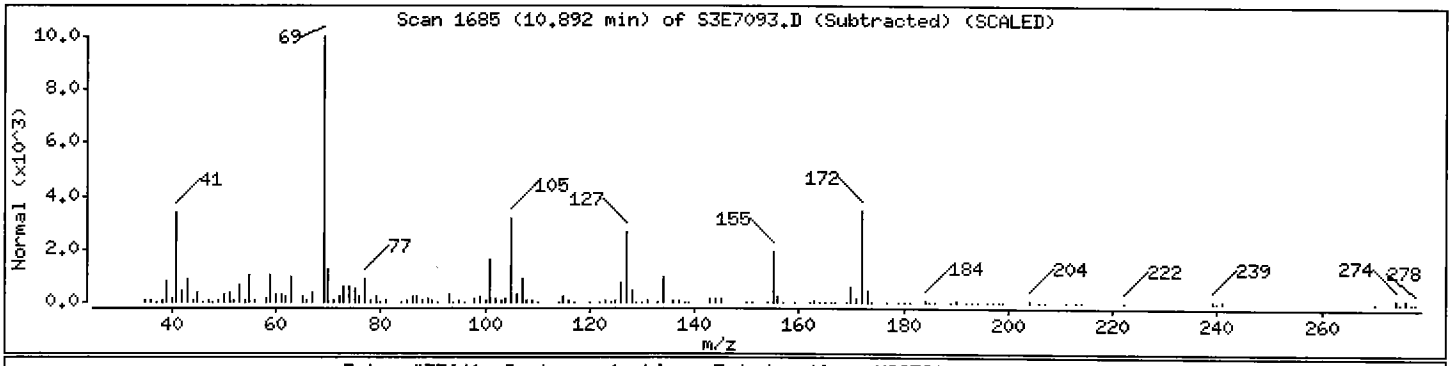
Client ID: 031/MWDAY-04 Instrument: S3.i

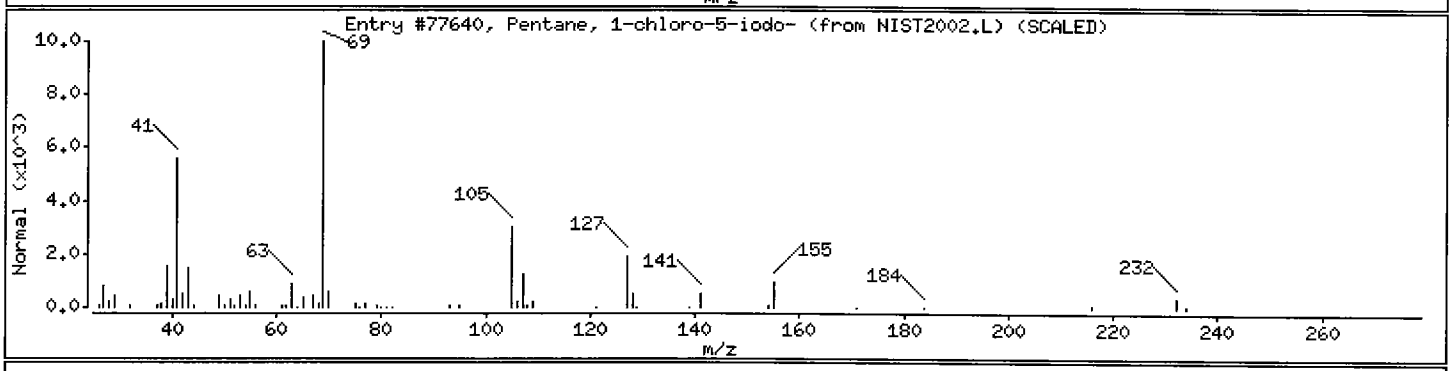
Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentane, 1-chloro-5-iodo-	60274-60-4	NIST2002.L	77640	42	C5H10ClI	232





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Date : 12-NOV-2007 04:07

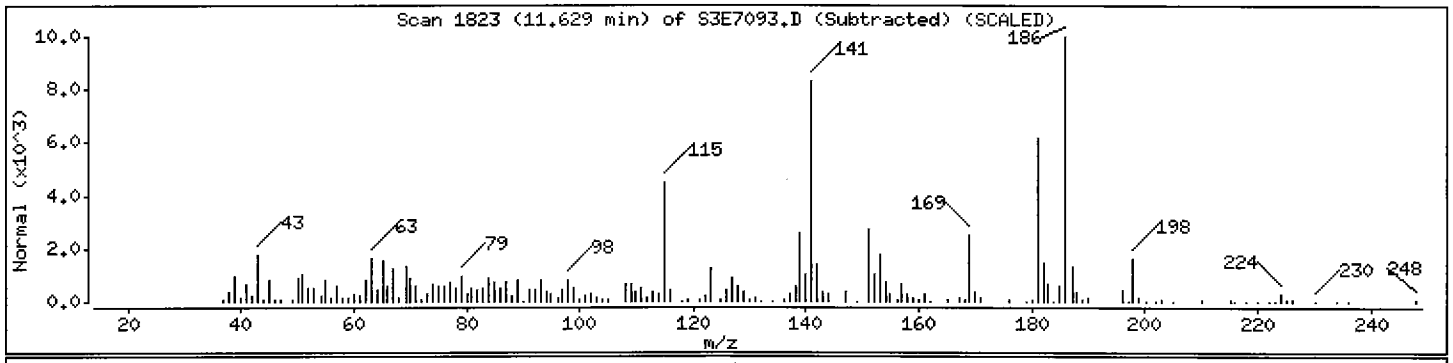
Client ID: 031/MWDAY-04 Instrument: S3.i

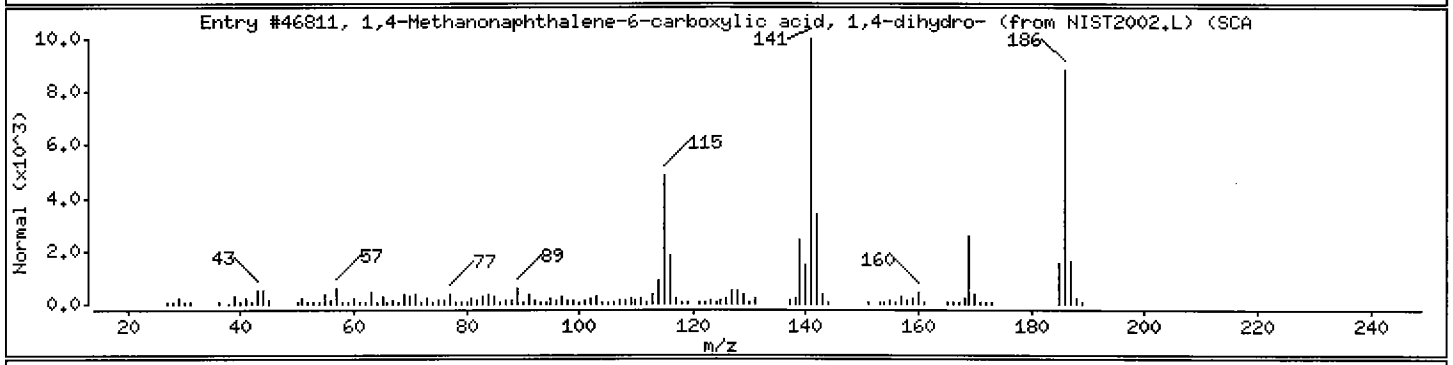
Sample Info: F1606-02B,,33143,,

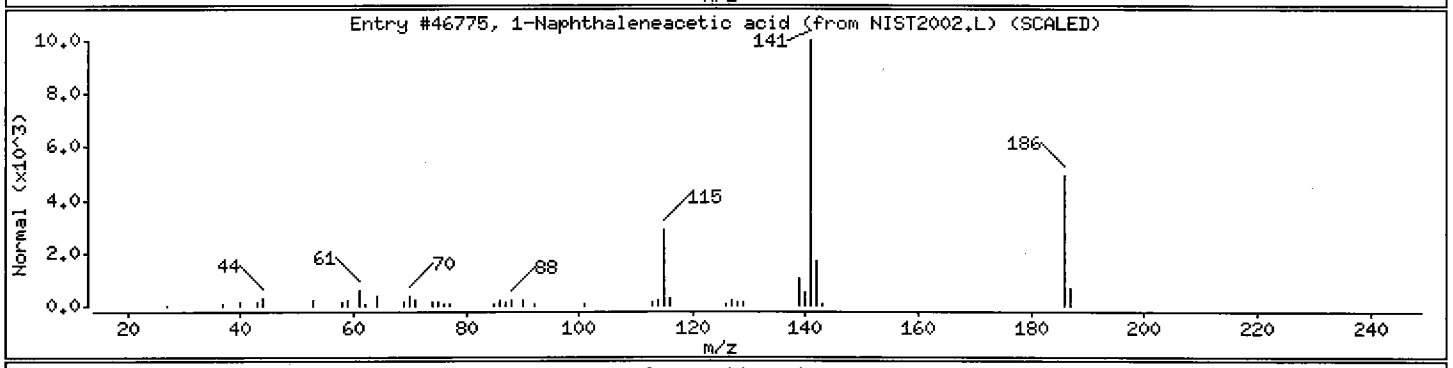
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

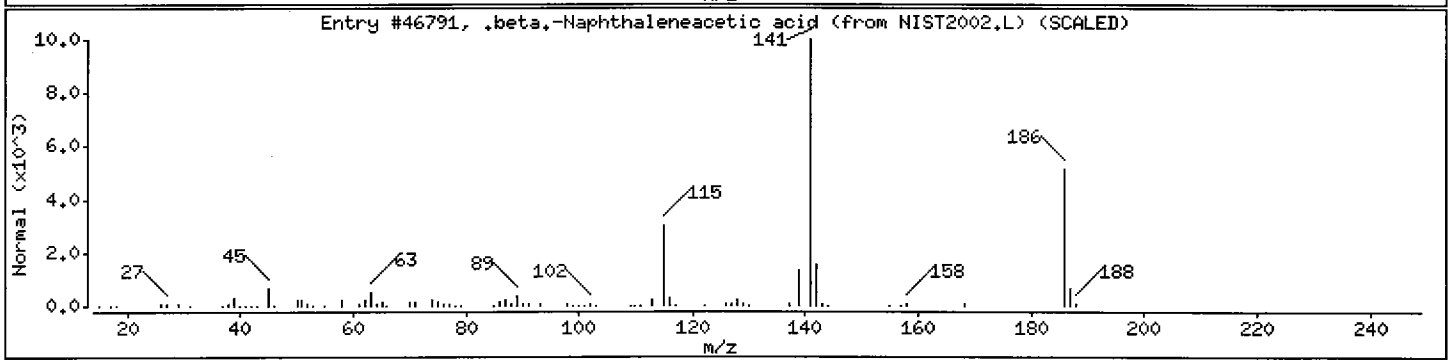
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,4-Methanonaphthalene-6-carboxylic acid	63509-76-2	NIST2002.L	46811	70	C12H10O2	186
1-Naphthaleneacetic acid	86-87-3	NIST2002.L	46775	47	C12H10O2	186
.beta.-Naphthaleneacetic acid	581-96-4	NIST2002.L	46791	41	C12H10O2	186









Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7093.D

Date : 12-NOV-2007 04:07

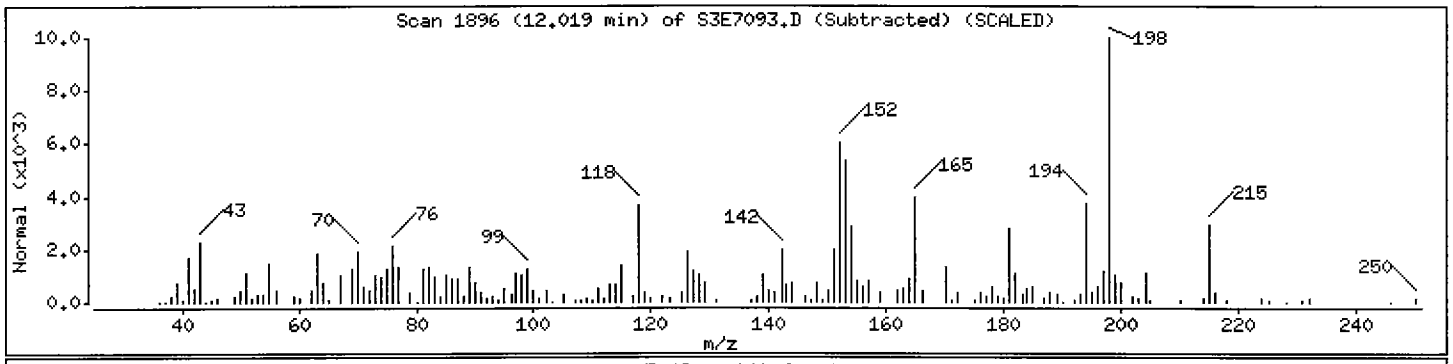
Client ID: 031/MWDAY-04 Instrument: S3.i

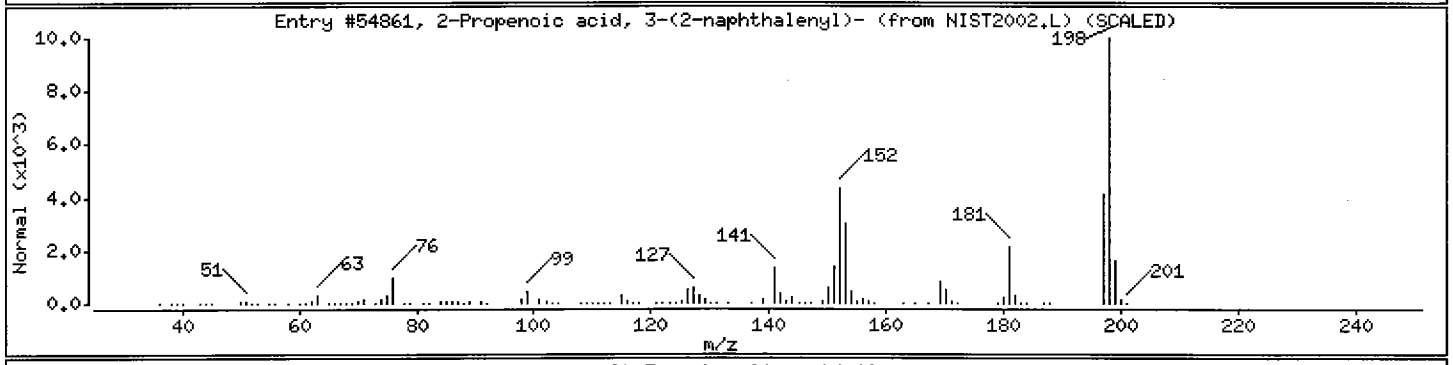
Sample Info: F1606-02B,,33143,,

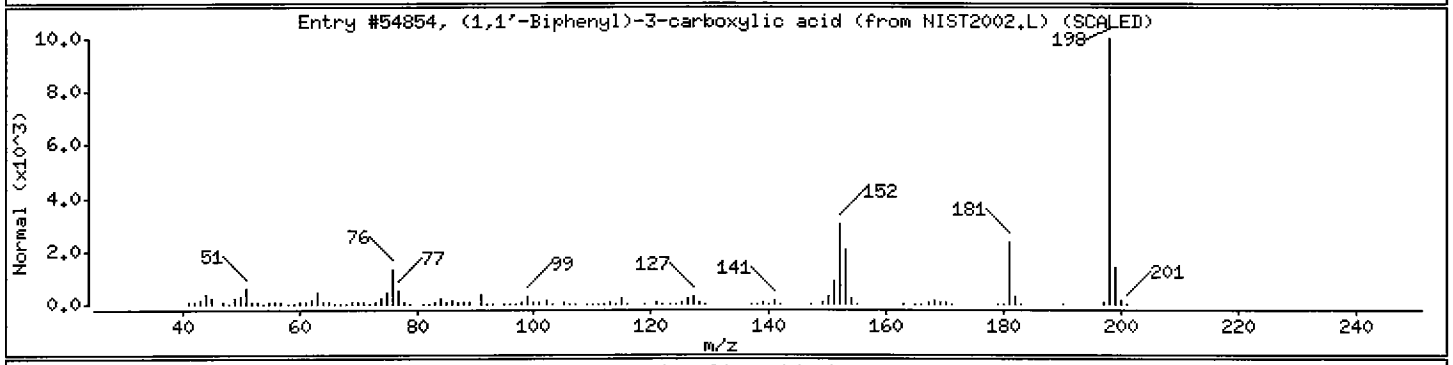
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

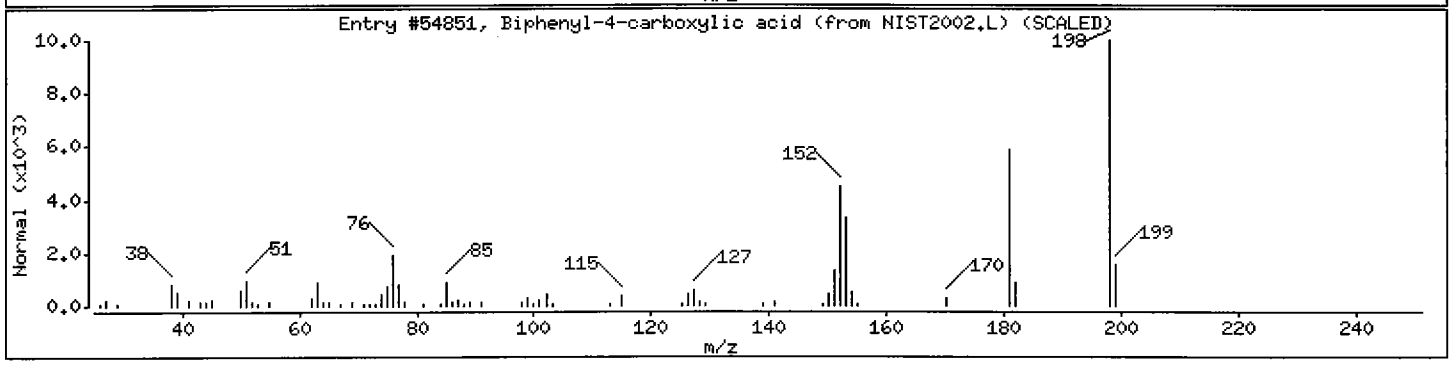
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propenoic acid, 3-(2-naphthalenyl)-	51557-26-7	NIST2002.L	54861	70	C13H10O2	198
(1,1'-Biphenyl)-3-carboxylic acid	716-76-7	NIST2002.L	54854	49	C13H10O2	198
Biphenyl-4-carboxylic acid	92-92-2	NIST2002.L	54851	45	C13H10O2	198









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Date : 12-NOV-2007 04:07

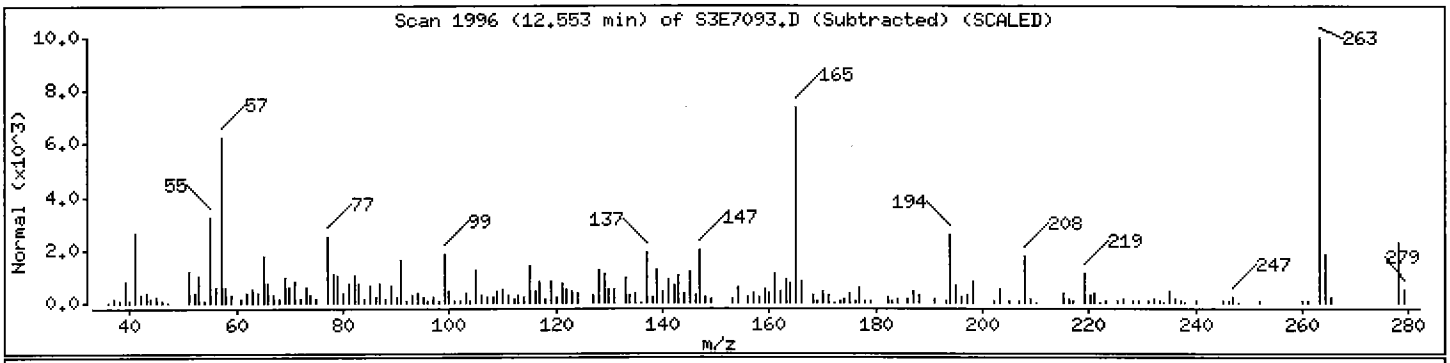
Client ID: 031/MWDAY-04 Instrument: S3.i

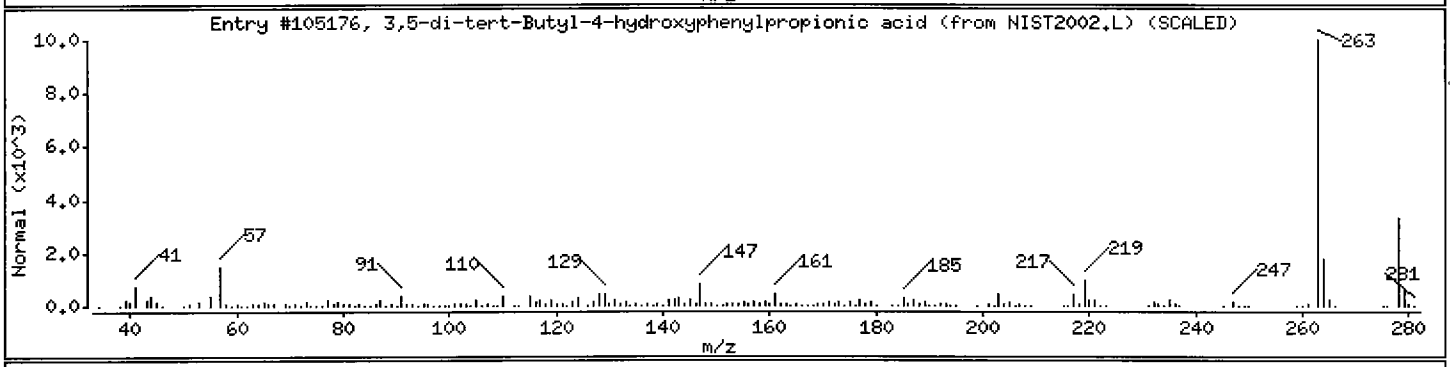
Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3,5-di-tert-Butyl-4-hydroxyphenylpropion	20170-32-5	NIST2002.L	105176	70	C17H26O3	278





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Date : 12-NOV-2007 04:07

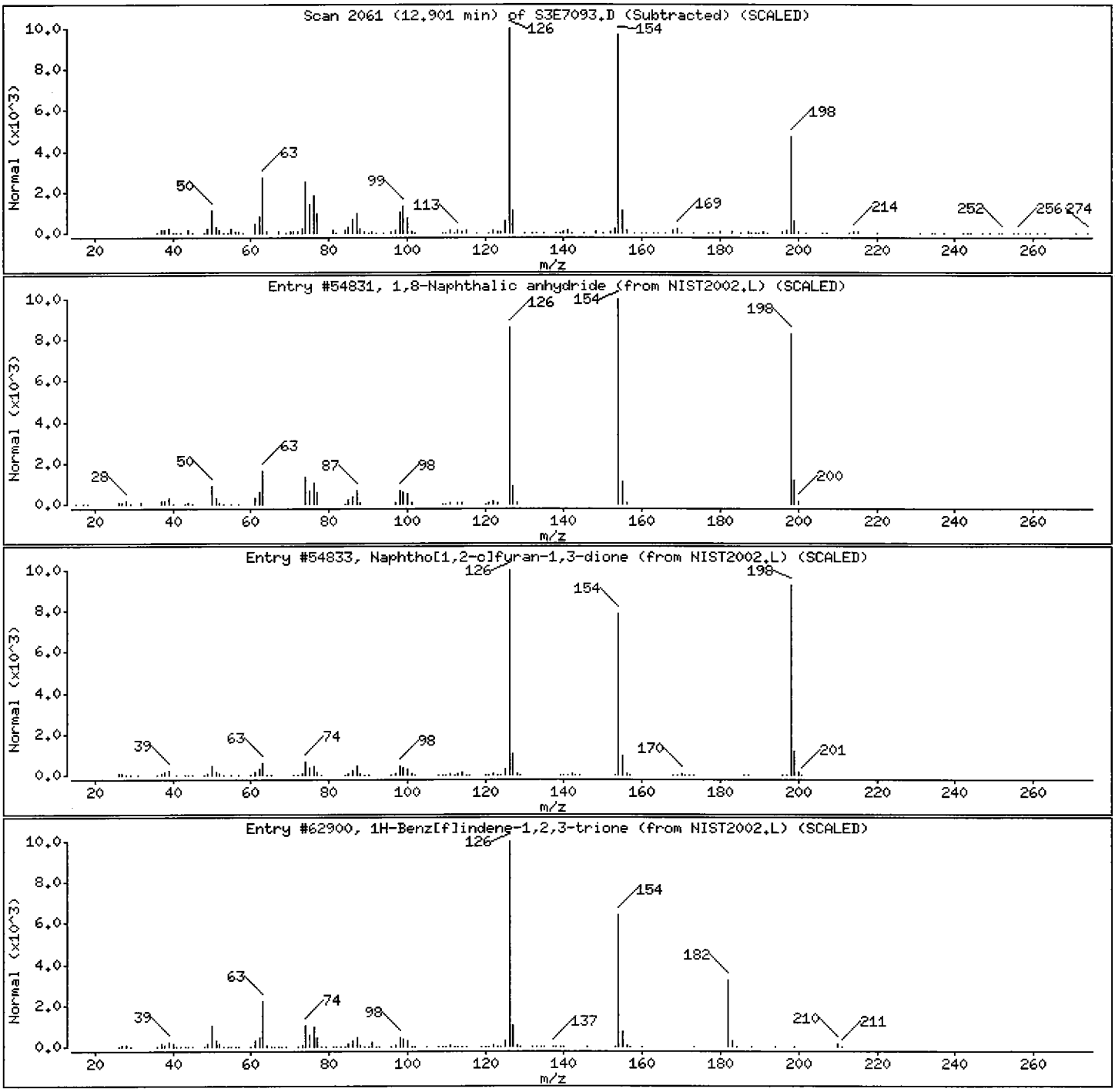
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,8-Naphthalic anhydride	81-84-5	NIST2002.L	54831	98	C12H6O3	198
Naphtho[1,2-c]furan-1,3-dione	5343-99-7	NIST2002.L	54833	83	C12H6O3	198
1H-Benz[f]indene-1,2,3-trione	20927-01-9	NIST2002.L	62900	50	C13H6O3	210



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Date : 12-NOV-2007 04:07

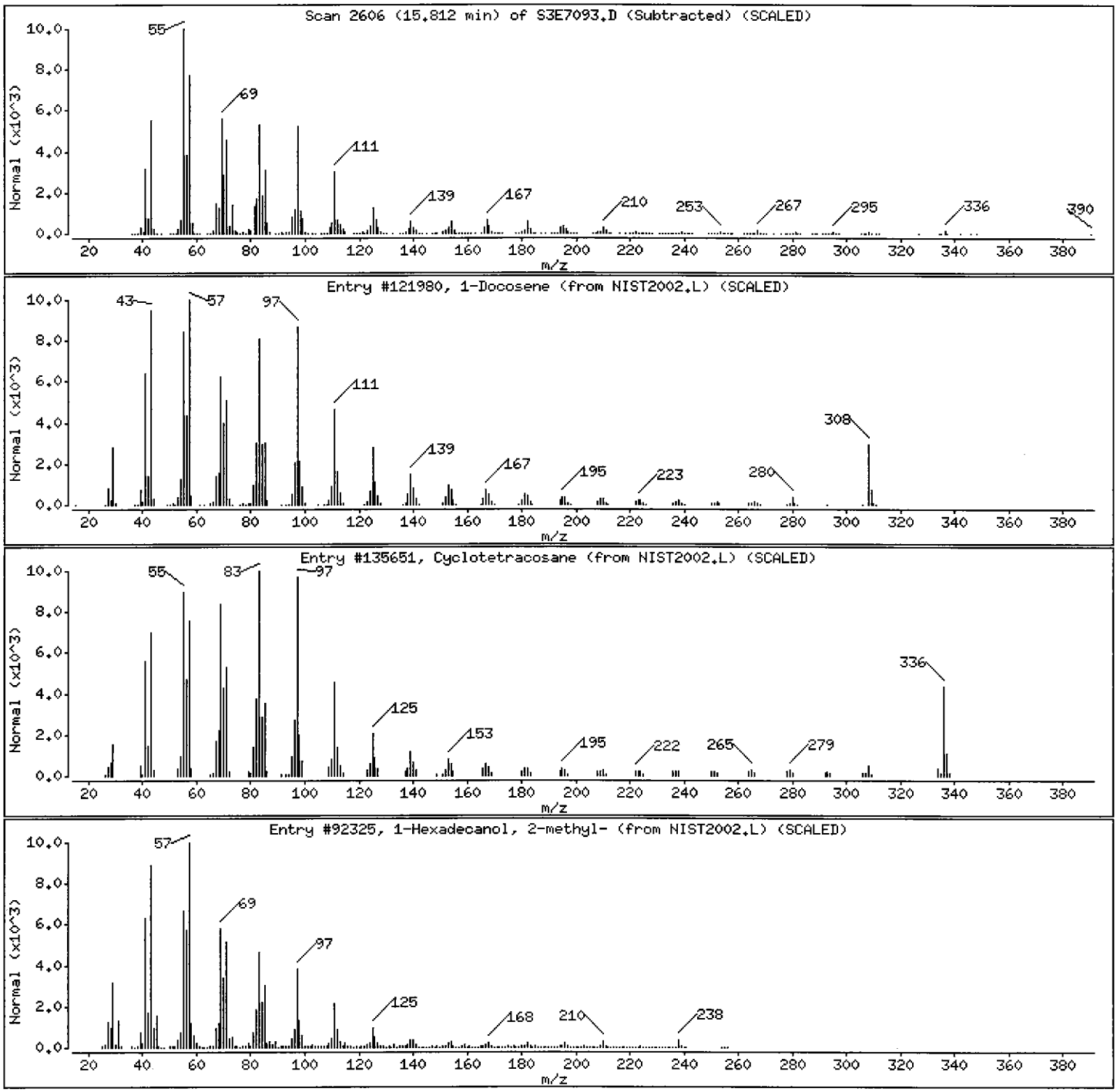
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Docosene	1599-67-3	NIST2002.L	121980	96	C22H44	308
Cyclotetracosane	297-03-0	NIST2002.L	135651	95	C24H48	336
1-Hexadecanol, 2-methyl-	2490-48-4	NIST2002.L	92325	92	C17H36O	256



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Date : 12-NOV-2007 04:07

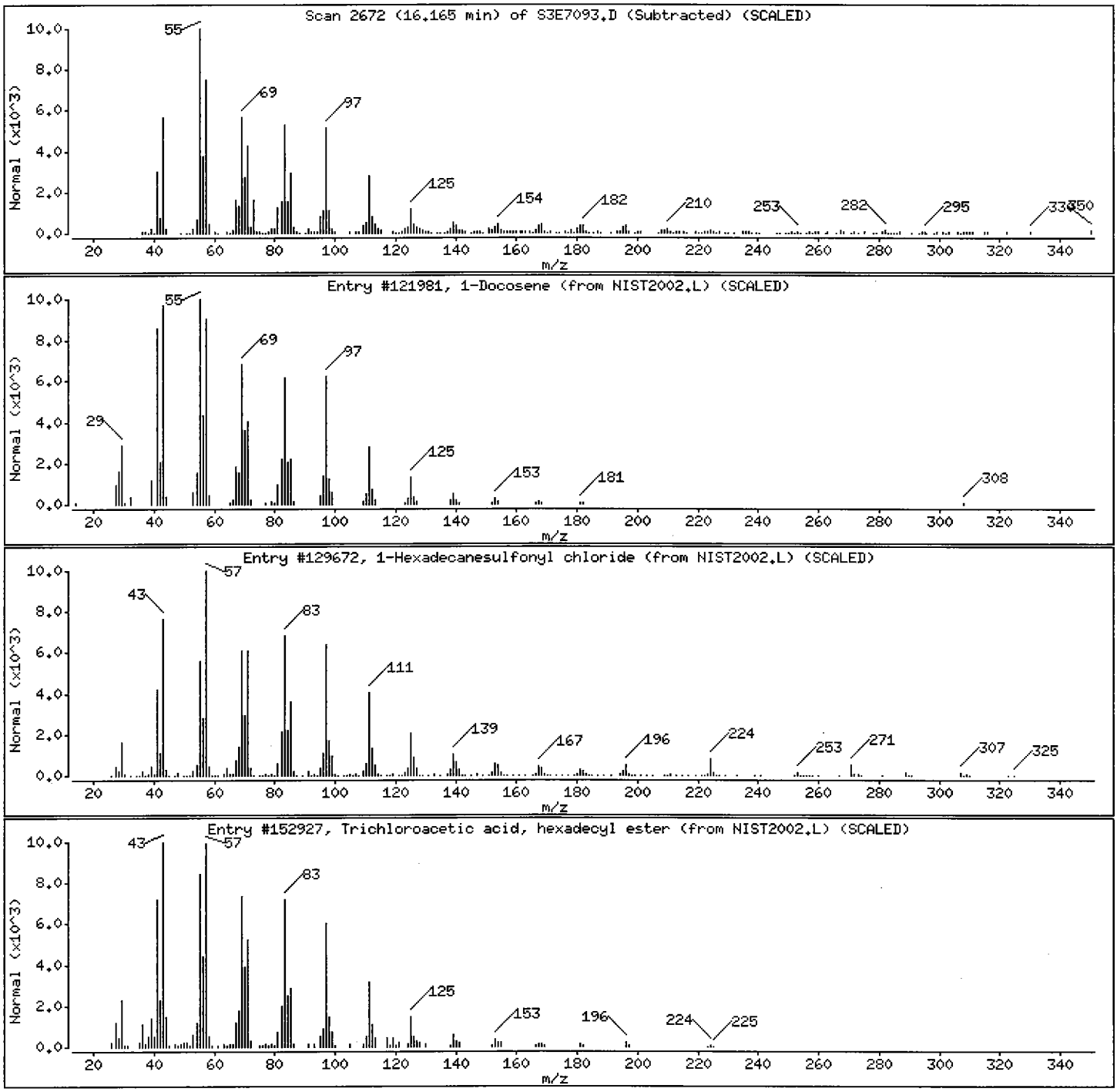
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Docosene	1599-67-3	NIST2002.L	121981	95	C22H44	308
1-Hexadecanesulfonyl chloride	38775-38-1	NIST2002.L	129672	91	C16H33Cl02S	324
Trichloroacetic acid, hexadecyl ester	74339-54-1	NIST2002.L	152927	87	C18H33Cl302	386



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Date : 12-NOV-2007 04:07

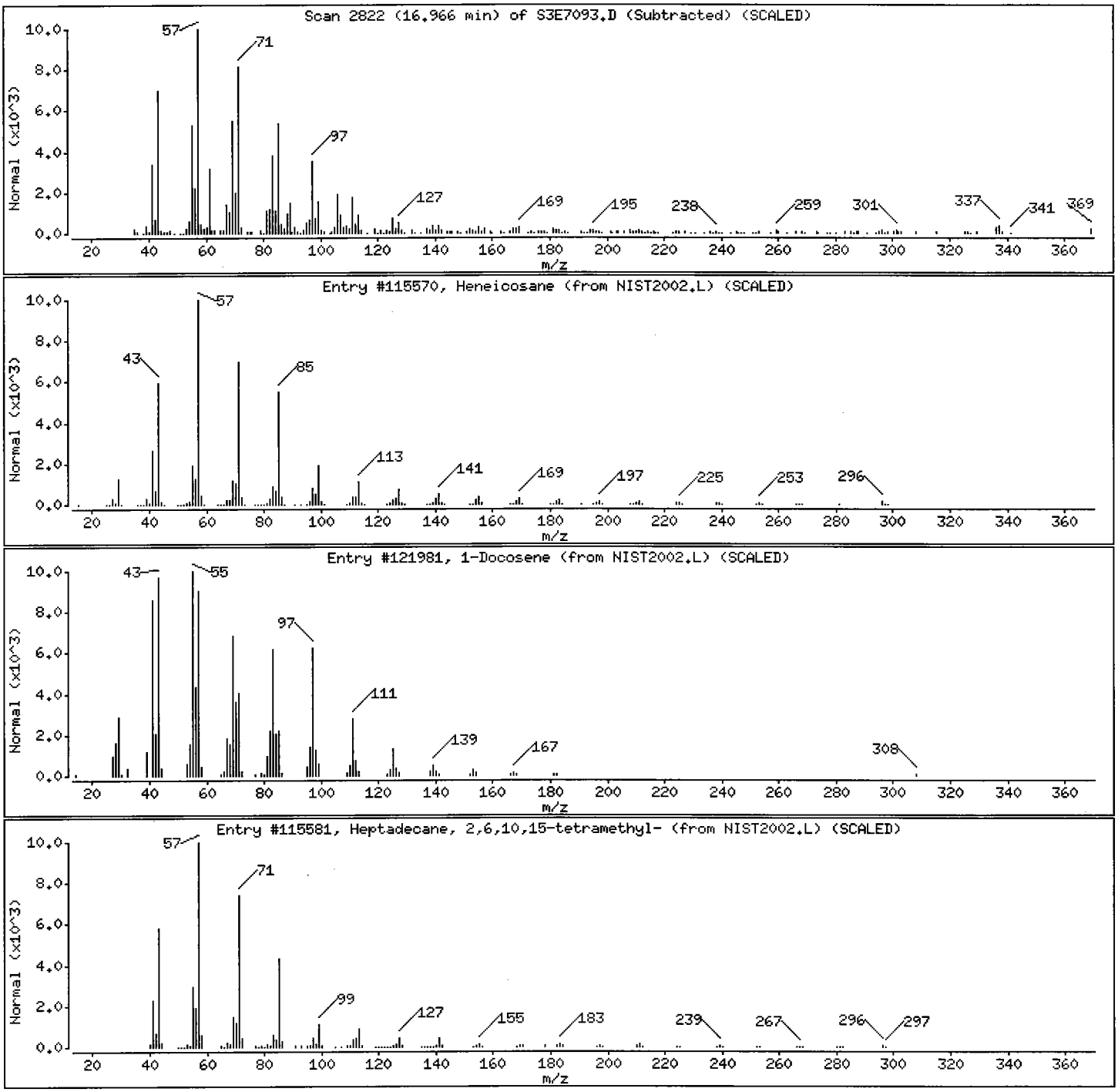
Client ID: 031/MWDAY-04 Instrument: S3.i

Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heneicosane	629-94-7	NIST2002.L	115570	80	C21H44	296
1-Docosene	1599-67-3	NIST2002.L	121981	80	C22H44	308
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST2002.L	115581	70	C21H44	296



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Date : 12-NOV-2007 04:07

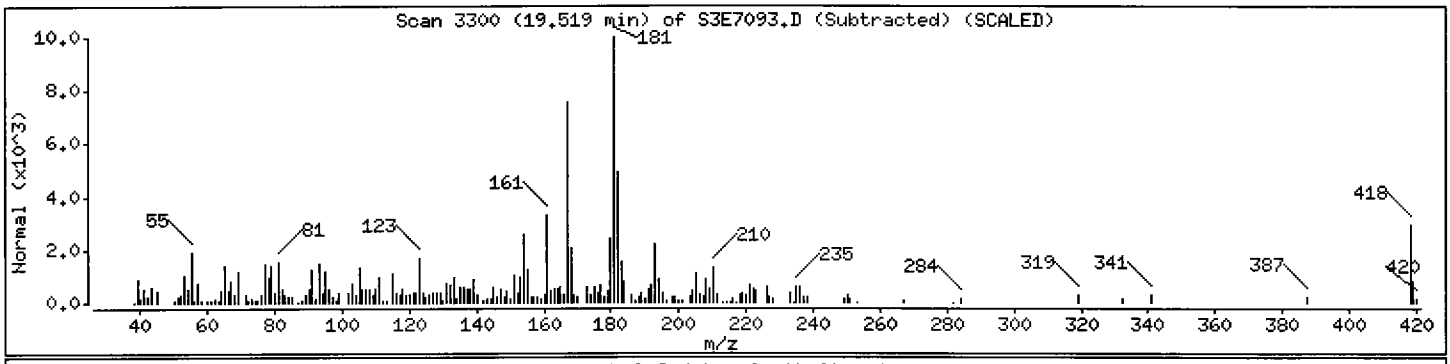
Client ID: 031/MWDAY-04 Instrument: S3.i

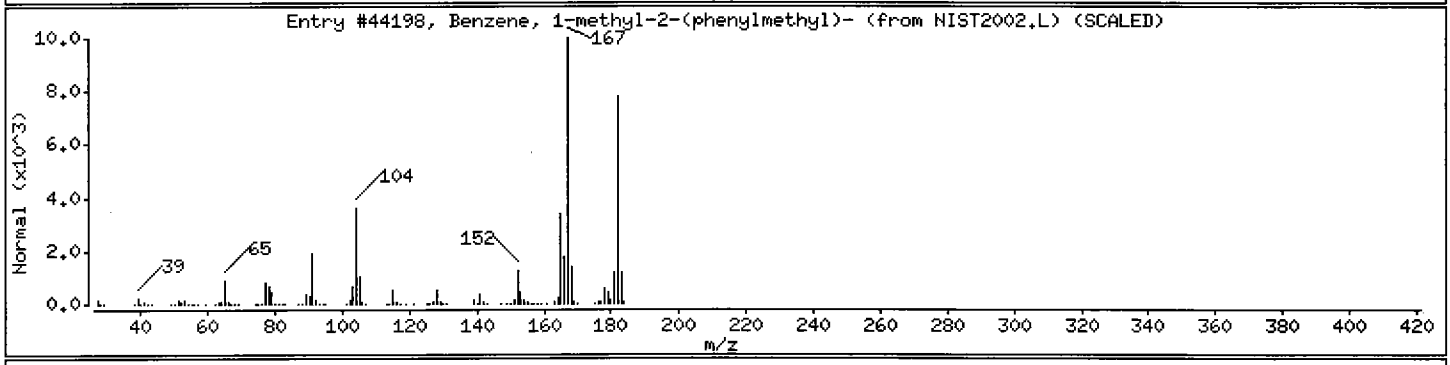
Sample Info: F1606-02B,,33143,,

Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-methyl-2-(phenylmethyl)-	713-36-0	NIST2002.L	44198	42	C14H14	182





6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: S3 Calibration Date(s): 11/09/07 11/09/2007

Calibration Time(s): 10:15 12:34

LAB FILE ID: RRF020 = S3E7012.D RRF050 = S3E7011.D

RRF080 = S3E7014.D RRF120 = S3E7015.D RRF160 = S3E7013.D

COMPOUND	RRF020	RRF050	RRF080	RRF120	RRF160	RRF	% RSD	MIN RRF	MAX % RSD		
Benzaldehyde	0.321	0.301	0.308	0.362	0.434	0.345	15.9		0.0		
Phenol	2.256	2.199	2.228	2.144	2.014	2.168	4.4	0.80	20.5		
Bis(2-chloroethyl)ether	1.811	1.768	1.795	1.754	1.673	1.760	3.0	0.70	20.5		
2-Chlorophenol	1.470	1.430	1.463	1.430	1.375	1.433	2.6	0.80	20.5		
2-Methylphenol	1.490	1.435	1.468	1.450	1.388	1.446	2.7	0.70	20.5		
2,2´-oxybis(1-Chloropropane)	2.032	1.970	1.965	1.910	1.822	1.940	4.1		0.0		
Acetophenone	2.354	2.268	2.310	2.271	2.176	2.276	2.9		0.0		
4-Methylphenol	1.554	1.509	1.544	1.532	1.467	1.521	2.3	0.60	20.5		
N-Nitroso-di-n-propylamine	1.372	1.318	1.332	1.116	1.001	1.228	13.1	0.50	20.5		
Hexachloroethane	0.715	0.689	0.707	0.699	0.677	0.697	2.1	0.30	20.5		
Nitrobenzene	0.585	0.568	0.565	0.547	0.523	0.558	4.3	0.20	20.5		
Isophorone	0.881	0.847	0.848	0.828	0.814	0.844	3.0	0.40	20.5		
2-Nitrophenol	0.193	0.191	0.192	0.193	0.191	0.192	0.6	0.10	20.5		
2,4-Dimethylphenol	0.420	0.399	0.392	0.381	0.371	0.393	4.8	0.20	20.5		
Bis(2-chloroethoxy)methane	0.540	0.528	0.526	0.523	0.508	0.525	2.2	0.30	20.5		
2,4-Dichlorophenol	0.282	0.272	0.271	0.269	0.260	0.271	2.9	0.20	20.5		
Naphthalene	1.121	1.053	1.047	0.990	0.932	1.029	6.9	0.70	20.5		
4-Chloroaniline	0.338	0.336	0.354	0.351	0.347	0.345	2.3		0.0		
Hexachlorobutadiene	0.157	0.151	0.151	0.150	0.146	0.151	2.5		0.0		
Caprolactam	0.118	0.117	0.133	0.148	0.143	0.132	10.5		0.0		
4-Chloro-3-methylphenol	0.358	0.352	0.366	0.365	0.347	0.358	2.3	0.20	20.5		
2-Methylnaphthalene	0.642	0.610	0.617	0.604	0.582	0.611	3.6	0.40	20.5		
Hexachlorocyclopentadiene	0.269	0.294	0.293	0.304	0.303	0.292	4.8		0.0		
2,4,6-Trichlorophenol	0.356	0.353	0.355	0.356	0.347	0.353	1.0	0.20	20.5		
2,4,5-Trichlorophenol	0.389	0.383	0.388	0.389	0.379	0.386	1.2	0.20	20.5		
1,1´-Biphenyl	1.595	1.519	1.483	1.421	1.327	1.469	6.9		0.0		
2-Chloronaphthalene	1.211	1.161	1.155	1.123	1.079	1.146	4.3	0.80	20.5		
2-Nitroaniline	0.541	0.549	0.554	0.543	0.538	0.545	1.2		0.0		
Dimethylphthalate	1.349	1.310	1.313	1.283	1.246	1.300	3.0		0.0		
2,6-Dinitrotoluene	0.304	0.314	0.323	0.321	0.315	0.315	2.3	0.20	20.5		
Acenaphthylene	1.880	1.818	1.819	1.745	1.676	1.788	4.4	0.90	20.5		
3-Nitroaniline	0.229	0.244	0.263	0.272	0.273	0.256	7.5		0.0		
Acenaphthene	1.232	1.173	1.166	1.126	1.092	1.158	4.5	0.90	20.5		
2,4-Dinitrophenol	0.037	0.120	0.155	0.179	0.186	0.135	44.9		0.0		

FORM VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: S3 Calibration Date(s): 11/09/07 11/09/2007

Calibration Time(s): 10:15 12:34

LAB FILE ID: RRF020 = S3E7012.D RRF050 = S3E7011.D

RRF080 = S3E7014.D RRF120 = S3E7015.D RRF160 = S3E7013.D

COMPOUND	RRF020	RRF050	RRF080	RRF120	RRF160	RRF	% RSD	MIN RRF	MAX % RSD		
4-Nitrophenol	0.150	0.187	0.196	0.186	0.192	0.182	10.0		0.0		
Dibenzofuran	1.689	1.647	1.632	1.573	1.499	1.608	4.6	0.80	20.5		
2,4-Dinitrotoluene	0.397	0.409	0.421	0.409	0.404	0.408	2.1	0.20	20.5		
Diethylphthalate	1.323	1.267	1.275	1.192	1.121	1.235	6.4		0.0		
Fluorene	1.377	1.297	1.298	1.222	1.155	1.270	6.7	0.90	20.5		
4-Chlorophenyl-phenylether	0.619	0.606	0.623	0.604	0.579	0.606	2.9	0.40	20.5		
4-Nitroaniline	0.184	0.203	0.202	0.212	0.231	0.206	8.2		0.0		
4,6-Dinitro-2-methylphenol	0.105	0.141	0.152	0.161	0.166	0.145	16.6		0.0		
N-Nitrosodiphenylamine	0.622	0.591	0.588	0.583	0.563	0.589	3.6		0.0		
4-Bromophenyl-phenylether	0.211	0.200	0.202	0.202	0.196	0.202	2.7	0.10	20.5		
Hexachlorobenzene	0.214	0.205	0.211	0.211	0.209	0.210	1.6	0.10	20.5		
Atrazine	0.240	0.230	0.232	0.226	0.218	0.229	3.4		0.0		
Pentachlorophenol	0.040	0.066	0.077	0.088	0.093	0.073	29.2	0.05	20.5		
Phenanthrene	1.291	1.184	1.159	1.090	1.032	1.151	8.6	0.70	20.5		
Anthracene	1.299	1.214	1.193	1.126	1.048	1.176	8.0	0.70	20.5		
Carbazole	1.073	0.976	0.946	0.912	0.887	0.959	7.5		0.0		
Di-n-butylphthalate	1.440	1.343	1.323	1.204	1.112	1.284	10.0		0.0		
Fluoranthene	1.154	1.075	1.088	1.010	0.957	1.057	7.2	0.60	20.5		
Pyrene	1.592	1.473	1.395	1.356	1.270	1.417	8.6	0.60	20.5		
Butylbenzylphthalate	0.773	0.741	0.712	0.689	0.658	0.715	6.2		0.0		
3,3´-Dichlorobenzidine	0.225	0.190	0.191	0.189	0.184	0.196	8.5		0.0		
Benzo(a)anthracene	1.247	1.218	1.162	1.140	1.128	1.179	4.4	0.80	20.5		
Chrysene	1.244	1.186	1.194	1.164	1.104	1.179	4.3	0.70	20.5		
Bis(2-ethylhexyl)phthalate	1.026	1.008	0.978	0.946	0.898	0.971	5.2		0.0		
Di-n-octylphthalate	1.952	1.798	1.696	1.508	1.347	1.660	14.3		0.0		
Benzo(b)fluoranthene	1.265	1.221	1.332	1.269	1.226	1.263	3.5	0.70	20.5		
Benzo(k)fluoranthene	1.472	1.407	1.308	1.216	1.144	1.309	10.2	0.70	20.5		
Benzo(a)pyrene	1.199	1.174	1.178	1.123	1.083	1.151	4.1	0.70	20.5		
Indeno(1,2,3-cd)pyrene	1.374	1.342	1.356	1.299	1.273	1.329	3.2	0.50	20.5		
Dibenzo(a,h)anthracene	1.170	1.149	1.159	1.123	1.076	1.136	3.3	0.40	20.5		
Benzo(g,h,i)perylene	1.199	1.177	1.203	1.181	1.158	1.184	1.5	0.50	20.5		

6D

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: S3 Calibration Date(s): 11/09/07 11/09/2007

Calibration Time(s): 10:15 12:34

LAB FILE ID: RRF020 = S3E7012.D RRF050 = S3E7011.D

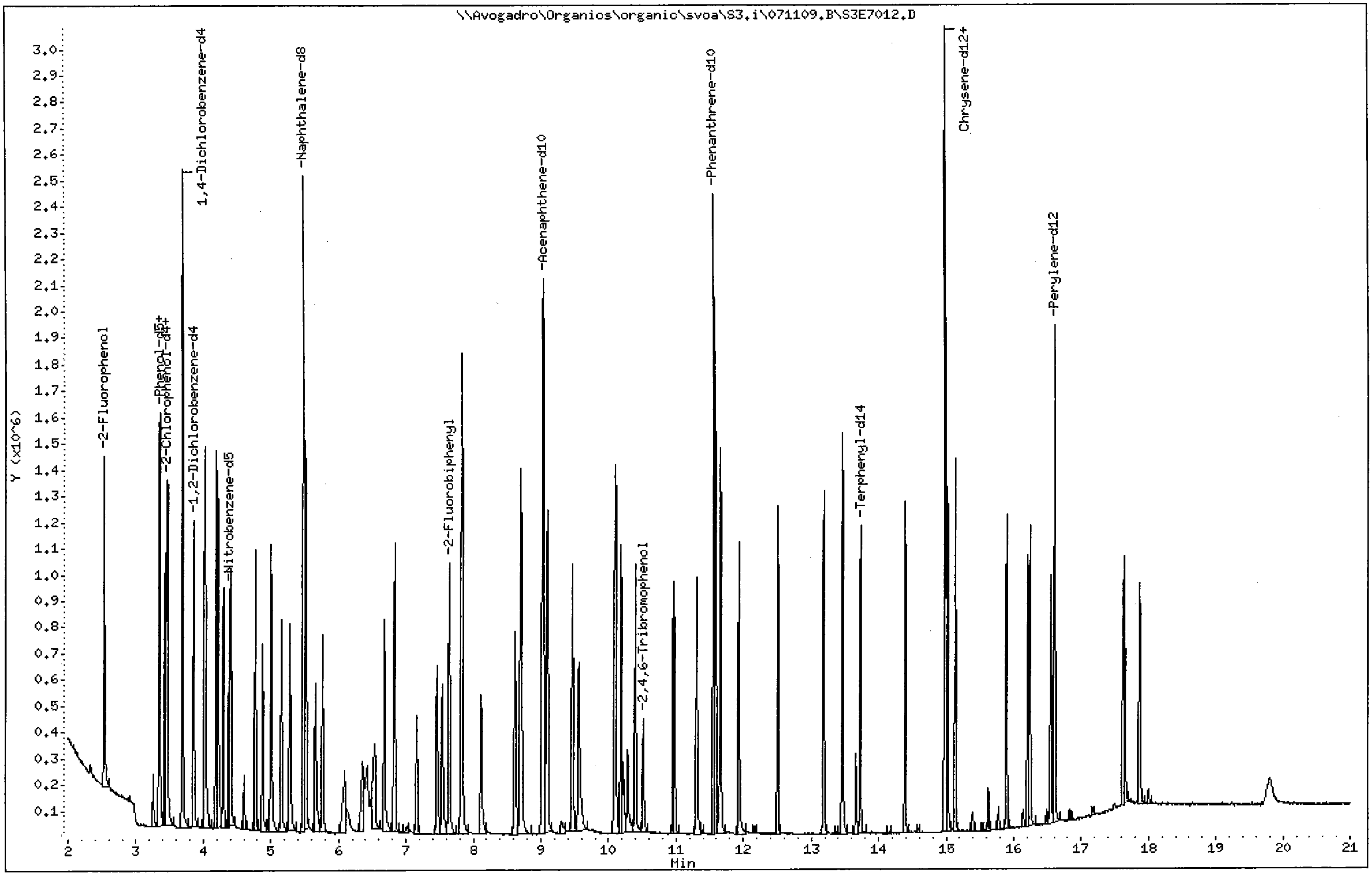
RRF080 = S3E7014.D RRF120 = S3E7015.D RRF160 = S3E7013.D

COMPOUND	RRF020	RRF050	RRF080	RRF120	RRF160	RRF	% RSD	MIN RRF	MAX % RSD		
Nitrobenzene-d5	0.548	0.532	0.532	0.528	0.521	0.532	1.8	0.20	20.5		
2-Fluorobiphenyl	1.445	1.381	1.365	1.336	1.279	1.361	4.5	0.70	20.5		
Terphenyl-d14	0.946	0.896	0.881	0.878	0.837	0.887	4.4	0.50	20.5		
Phenol-d5	2.180	2.116	2.135	2.114	2.032	2.115	2.5	0.80	20.5		
2-Fluorophenol	1.662	1.601	1.601	1.602	1.498	1.593	3.7	0.60	20.5		
2,4,6-Tribromophenol	0.090	0.089	0.091	0.093	0.093	0.091	2.0		0.0		
2-Chlorophenol-d4	1.436	1.390	1.414	1.378	1.327	1.389	3.0	0.80	20.5		
1,2-Dichlorobenzene-d4	0.954	0.921	0.936	0.914	0.872	0.919	3.3	0.40	20.5		

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7012.D
Date : 09-NOV-2007 11:03
Client ID: SSTD0203P
Sample Info: SSTD0203P,SSTD0203P
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S3E7012.D
Report Date: 09-Nov-2007 13:36

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7012.D
Lab Smp Id: SSTD0203P Client Smp ID: SSTD0203P
Inj Date : 09-NOV-2007 11:03
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD0203P,SSTD0203P
Misc Info : 1,1
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\s3_olm4_2_S.m
Meth Date : 09-Nov-2007 13:36 beata Quant Type: ISTD
Cal Date : 09-NOV-2007 10:15 Cal File: S3E7011.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET101

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	2.000	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	2-Fluorophenol	112	2.530	2.535	(0.686)	337138	20.0000	21
2	Benzaldehyde	77	3.251	3.251	(0.881)	65170	20.0000	19
$ 3	Phenol-d5	99	3.337	3.342	(0.904)	442070	20.0000	21
4	Phenol	94	3.347	3.358	(0.907)	457483	20.0000	21
5	bis(2-Chloroethyl)Ether	93	3.427	3.433	(0.929)	367225	20.0000	21
$ 6	2-Chlorophenol-d4	132	3.454	3.454	(0.936)	291290	20.0000	21
7	2-Chlorophenol	128	3.470	3.475	(0.941)	298114	20.0000	21
* 8	1,4-Dichlorobenzene-d4	152	3.689	3.689	(1.000)	405656	40.0000	
$ 9	1,2-Dichlorobenzene-d4	152	3.860	3.860	(1.046)	193455	20.0000	21
10	2-Methylphenol	108	4.015	4.020	(1.088)	302178	20.0000	21
11	2,2'-oxybis(1-Chloropropane)	45	4.031	4.036	(1.093)	412138	20.0000	21
12	Acetophenone	105	4.186	4.196	(1.135)	477461	20.0000	21
14	N-Nitroso-di-n-propylamine	70	4.202	4.212	(1.139)	278293	20.0000	22
13	4-Methylphenol	108	4.223	4.229	(1.145)	315225	20.0000	20
15	Hexachloroethane	117	4.298	4.298	(1.165)	145014	20.0000	21
$ 16	Nitrobenzene-d5	82	4.384	4.389	(0.799)	425595	20.0000	21
17	Nitrobenzene	77	4.410	4.416	(0.804)	454690	20.0000	21
18	Isophorone	82	4.768	4.779	(0.869)	684792	20.0000	21
19	2-Nitrophenol	139	4.881	4.880	(0.890)	149825	20.0000	20
20	2,4-Dimethylphenol	107	5.003	5.008	(0.912)	326384	20.0000	21

Data File: S3E7012.D
Report Date: 09-Nov-2007 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	5.158	5.163	(0.941)	419618	20.0000	21
	22 2,4-Dichlorophenol	162	5.281	5.286	(0.963)	218949	20.0000	21
*	23 Naphthalene-d8	136	5.484	5.484	(1.000)	1554336	40.0000	
	24 Naphthalene	128	5.516	5.521	(1.006)	871155	20.0000	22
	25 4-Chloroaniline	127	5.660	5.666	(1.032)	262308	20.0000	20
	26 Hexachlorobutadiene	225	5.767	5.767	(1.052)	121629	20.0000	21
	100 m-Toluic Acid	91	6.093	6.168	(1.111)	168853	20.0000	19
	27 Caprolactam	113	6.350	6.413	(1.158)	91955	20.0000	18(Q)
	101 o-Toluic Acid	91	6.430	6.563	(1.172)	269387	20.0000	16(H)
	102 p-Toluic Acid	91	6.537	6.670	(1.192)	264161	20.0000	21(H)
	28 4-Chloro-3-Methylphenol	107	6.681	6.697	(1.218)	278452	20.0000	20
	29 2-Methylnaphthalene	142	6.830	6.835	(1.245)	499286	20.0000	21
	30 Hexachlorocyclopentadiene	237	7.162	7.161	(0.793)	103145	20.0000	18
	31 2,4,6-Trichlorophenol	196	7.461	7.466	(0.826)	136603	20.0000	20
	32 2,4,5-Trichlorophenol	196	7.536	7.546	(0.834)	149295	20.0000	20(a)
$	33 2-Fluorobiphenyl	172	7.642	7.653	(0.846)	554984	20.0000	21
	35 2-Chloronaphthalene	162	7.824	7.829	(0.866)	465019	20.0000	21
	34 1,1'-Biphenyl	154	7.835	7.840	(0.868)	612434	20.0000	22
	36 2-Nitroaniline	65	8.118	8.128	(0.899)	207754	20.0000	20(a)
	37 Dimethylphthalate	163	8.620	8.630	(0.954)	517956	20.0000	21
	39 Acenaphthylene	152	8.700	8.705	(0.963)	721985	20.0000	21
	38 2,6-Dinitrotoluene	165	8.711	8.721	(0.965)	116837	20.0000	19
*	41 Acenaphthene-d10	164	9.031	9.031	(1.000)	768009	40.0000	
	40 3-Nitroaniline	138	9.047	9.058	(1.002)	87817	20.0000	17(a)
	42 Acenaphthene	153	9.095	9.101	(1.007)	473047	20.0000	21
	43 2,4-Dinitrophenol	184	9.304	9.304	(1.030)	14165	20.0000	5(a)
	45 Dibenzofuran	168	9.469	9.474	(1.049)	648631	20.0000	21
	46 2,4-Dinitrotoluene	165	9.560	9.565	(1.059)	152434	20.0000	19
	44 4-Nitrophenol	109	9.571	9.576	(1.060)	57708	20.0000	16(aQ)
	47 Diethylphthalate	149	10.084	10.094	(1.117)	507875	20.0000	21
	48 Fluorene	166	10.105	10.105	(1.119)	528947	20.0000	22
	49 4-Chlorophenyl-phenylether	204	10.180	10.185	(1.127)	237781	20.0000	20
	50 4-Nitroaniline	138	10.217	10.228	(1.131)	70673	20.0000	17(a)
	51 4,6-Dinitro-2-methylphenol	198	10.281	10.292	(0.890)	57755	20.0000	14(a)
	52 N-Nitrosodiphenylamine	169	10.394	10.399	(0.899)	341366	20.0000	21
$	53 2,4,6-Tribromophenol	330	10.516	10.522	(0.910)	49468	20.0000	20
	54 4-Bromophenyl-phenylether	248	10.960	10.960	(0.948)	115592	20.0000	21
	55 Hexachlorobenzene	284	10.981	10.986	(0.950)	117293	20.0000	20
	56 Atrazine	200	11.307	11.318	(0.978)	131472	20.0000	21
	57 Pentachlorophenol	266	11.318	11.318	(0.979)	21824	20.0000	10(a)
*	58 Phenanthrene-d10	188	11.558	11.558	(1.000)	1097186	40.0000	
	59 Phenanthrene	178	11.585	11.590	(1.002)	708429	20.0000	22
	60 Anthracene	178	11.660	11.665	(1.009)	712420	20.0000	22
	61 Carbazole	167	11.932	11.932	(1.032)	588748	20.0000	22
	62 Di-n-butylphthalate	149	12.509	12.509	(1.082)	790163	20.0000	22
	63 Fluoranthene	202	13.182	13.187	(1.141)	633343	20.0000	22
	64 Pyrene	202	13.460	13.465	(0.898)	673079	20.0000	22
$	65 Terphenyl-d14	244	13.727	13.727	(0.916)	399941	20.0000	21
	66 Butylbenzylphthalate	149	14.390	14.389	(0.960)	326960	20.0000	22
	68 Benzo(a)anthracene	228	14.977	14.977	(0.999)	527379	20.0000	21
	67 3,3'-Dichlorobenzidine	252	14.988	14.988	(1.000)	95256	20.0000	23
*	69 Chrysene-d12	240	14.988	14.993	(1.000)	845687	40.0000	
	70 Chrysene	228	15.015	15.025	(1.002)	526131	20.0000	21
	71 bis(2-Ethylhexyl)phthalate	149	15.132	15.132	(1.010)	433649	20.0000	21

Data File: S3E7012.D
Report Date: 09-Nov-2007 13:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
72 Di-n-octylphthalate	149	15.896	15.896	(0.957)	721716	20.0000	24
73 Benzo(b)fluoranthene	252	16.206	16.216	(0.976)	467932	20.0000	20
74 Benzo(k)fluoranthene	252	16.238	16.248	(0.978)	544224	20.0000	22
75 Benzo(a)pyrene	252	16.548	16.553	(0.996)	443286	20.0000	21
* 76 Perylene-d12	264	16.607	16.612	(1.000)	739575	40.0000	
77 Indeno(1,2,3-cd)pyrene	276	17.622	17.627	(1.061)	508141	20.0000	21
78 Dibenzo(a,h)anthracene	278	17.643	17.653	(1.062)	432680	20.0000	21
79 Benzo(g,h,i)perylene	276	17.867	17.878	(1.076)	443400	20.0000	20

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

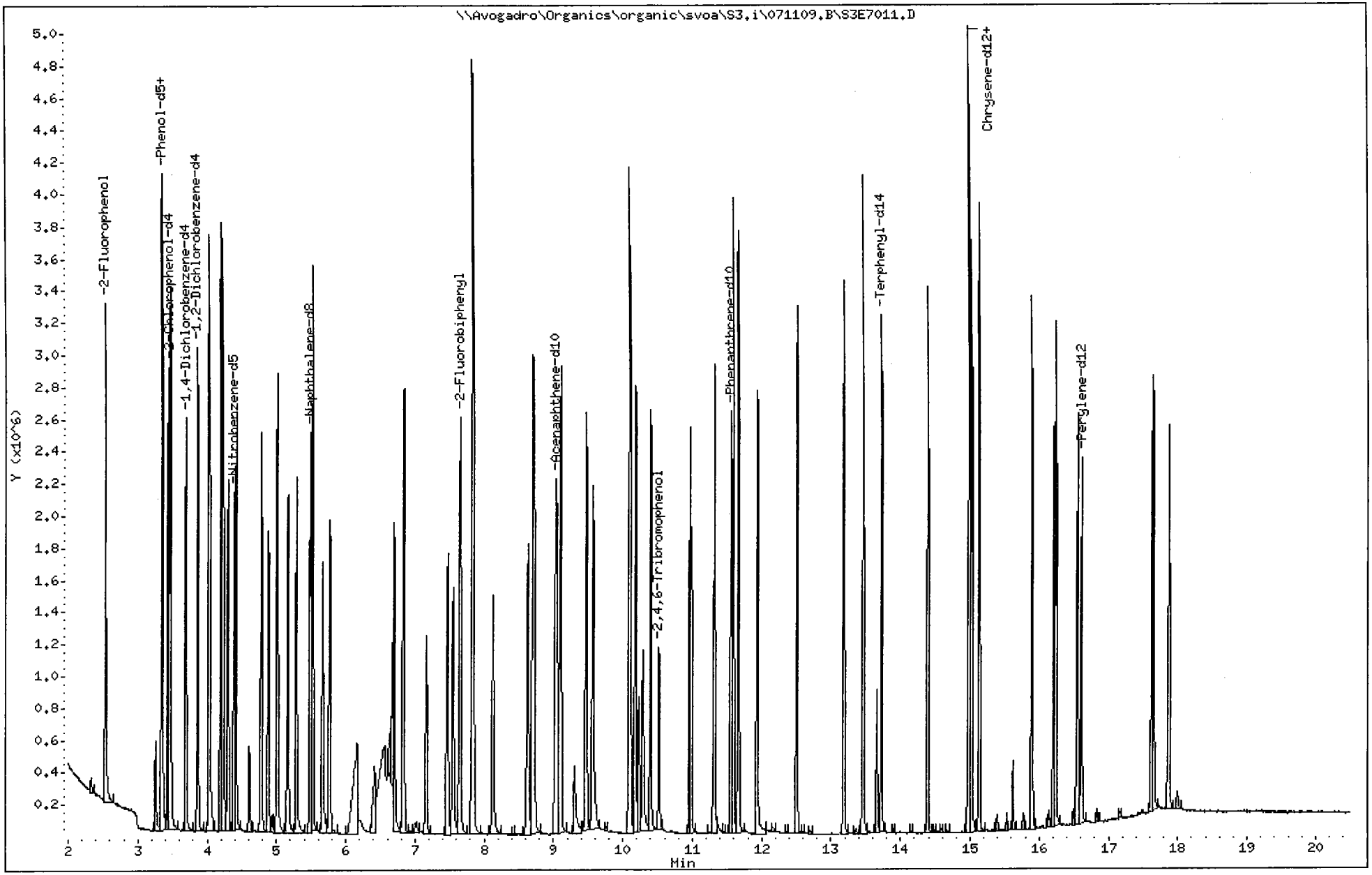
11/09/07 BM

11/9/07

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7011.D
Date : 09-NOV-2007 10:15
Client ID: SSTD0503P
Sample Info: SSTD0503P,SSTD0503P
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S3E7011.D
Report Date: 09-Nov-2007 13:36

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7011.D
Lab Smp Id: SSTD0503P Client Smp ID: SSTD0503P
Inj Date : 09-NOV-2007 10:15
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD0503P,SSTD0503P
Misc Info : 2,2
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\s3_olm4_2_S.m
Meth Date : 09-Nov-2007 13:36 beata Quant Type: ISTD
Cal Date : 09-NOV-2007 10:15 Cal File: S3E7011.D
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET101

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	2.000	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	2-Fluorophenol	112	2.535	2.535	(0.687)	871886	50.0000	50
2	Benzaldehyde	77	3.251	3.251	(0.881)	164011	50.0000	44
$ 3	Phenol-d5	99	3.342	3.342	(0.906)	1152323	50.0000	50
4	Phenol	94	3.358	3.358	(0.910)	1197654	50.0000	51
5	bis(2-Chloroethyl)Ether	93	3.433	3.433	(0.930)	962880	50.0000	50
$ 6	2-Chlorophenol-d4	132	3.454	3.454	(0.936)	757088	50.0000	50
7	2-Chlorophenol	128	3.475	3.475	(0.942)	778549	50.0000	50
* 8	1,4-Dichlorobenzene-d4	152	3.689	3.689	(1.000)	435661	40.0000	
$ 9	1,2-Dichlorobenzene-d4	152	3.860	3.860	(1.046)	501797	50.0000	50
10	2-Methylphenol	108	4.020	4.020	(1.090)	781337	50.0000	50
11	2,2'-oxybis(1-Chloropropane)	45	4.036	4.036	(1.094)	1072999	50.0000	51
12	Acetophenone	105	4.196	4.196	(1.138)	1234979	50.0000	50
14	N-Nitroso-di-n-propylamine	70	4.212	4.212	(1.142)	717788	50.0000	54
13	4-Methylphenol	108	4.229	4.229	(1.146)	821925	50.0000	50
15	Hexachloroethane	117	4.298	4.298	(1.165)	375297	50.0000	49
$ 16	Nitrobenzene-d5	82	4.389	4.389	(0.800)	1112378	50.0000	50
17	Nitrobenzene	77	4.416	4.416	(0.805)	1188452	50.0000	51
18	Isophorone	82	4.779	4.779	(0.871)	1771901	50.0000	50
19	2-Nitrophenol	139	4.880	4.880	(0.890)	400415	50.0000	50
20	2,4-Dimethylphenol	107	5.008	5.008	(0.913)	835620	50.0000	51

Data File: S3E7011.D
Report Date: 09-Nov-2007 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	5.163	5.163	(0.942)	1105374	50.0000	50
	22 2,4-Dichlorophenol	162	5.286	5.286	(0.964)	569209	50.0000	50
*	23 Naphthalene-d8	136	5.484	5.484	(1.000)	1673527	40.0000	
	24 Naphthalene	128	5.521	5.521	(1.007)	2202732	50.0000	51
	25 4-Chloroaniline	127	5.666	5.666	(1.033)	703030	50.0000	49
	26 Hexachlorobutadiene	225	5.767	5.767	(1.052)	315873	50.0000	50
	100 m-Toluic Acid	91	6.168	6.168	(1.125)	462490	50.0000	49
	27 Caprolactam	113	6.413	6.413	(1.169)	245727	50.0000	45(Q)
	101 o-Toluic Acid	91	6.563	6.563	(1.197)	863616	50.0000	47
	102 p-Toluic Acid	91	6.670	6.670	(1.216)	635391	50.0000	48
	28 4-Chloro-3-Methylphenol	107	6.697	6.697	(1.221)	736362	50.0000	49
	29 2-Methylnaphthalene	142	6.835	6.835	(1.246)	1275116	50.0000	50
	30 Hexachlorocyclopentadiene	237	7.161	7.161	(0.793)	302584	50.0000	50
	31 2,4,6-Trichlorophenol	196	7.466	7.466	(0.827)	364090	50.0000	50
	32 2,4,5-Trichlorophenol	196	7.546	7.546	(0.836)	395023	50.0000	50
$	33 2-Fluorobiphenyl	172	7.653	7.653	(0.847)	1423510	50.0000	51
	35 2-Chloronaphthalene	162	7.829	7.829	(0.867)	1196156	50.0000	51
	34 1,1'-Biphenyl	154	7.840	7.840	(0.868)	1565403	50.0000	52
	36 2-Nitroaniline	65	8.128	8.128	(0.900)	565548	50.0000	50
	37 Dimethylphthalate	163	8.630	8.630	(0.956)	1349893	50.0000	50
	39 Acenaphthylene	152	8.705	8.705	(0.964)	1874281	50.0000	51
	38 2,6-Dinitrotoluene	165	8.721	8.721	(0.966)	323844	50.0000	50
*	41 Acenaphthene-d10	164	9.031	9.031	(1.000)	824573	40.0000	
	40 3-Nitroaniline	138	9.058	9.058	(1.003)	251818	50.0000	46
	42 Acenaphthene	153	9.101	9.101	(1.008)	1209327	50.0000	51
	43 2,4-Dinitrophenol	184	9.304	9.304	(1.030)	123750	50.0000	37
	45 Dibenzofuran	168	9.474	9.474	(1.049)	1698022	50.0000	51
	46 2,4-Dinitrotoluene	165	9.565	9.565	(1.059)	421107	50.0000	50
	44 4-Nitrophenol	109	9.576	9.576	(1.060)	192792	50.0000	49
	47 Diethylphthalate	149	10.094	10.094	(1.118)	1305962	50.0000	51
	48 Fluorene	166	10.105	10.105	(1.119)	1337020	50.0000	51
	49 4-Chlorophenyl-phenylether	204	10.185	10.185	(1.128)	624814	50.0000	50
	50 4-Nitroaniline	138	10.228	10.228	(1.132)	209535	50.0000	48
	51 4,6-Dinitro-2-methylphenol	198	10.292	10.292	(0.890)	217115	50.0000	46
	52 N-Nitrosodiphenylamine	169	10.399	10.399	(0.900)	906902	50.0000	50
$	53 2,4,6-Tribromophenol	330	10.522	10.522	(0.910)	136792	50.0000	49
	54 4-Bromophenyl-phenylether	248	10.960	10.960	(0.948)	307603	50.0000	50
	55 Hexachlorobenzene	284	10.986	10.986	(0.951)	314448	50.0000	49
	56 Atrazine	200	11.318	11.318	(0.979)	353690	50.0000	50
	57 Pentachlorophenol	266	11.318	11.318	(0.979)	101014	50.0000	41
*	58 Phenanthrene-d10	188	11.558	11.558	(1.000)	1228051	40.0000	
	59 Phenanthrene	178	11.590	11.590	(1.003)	1817095	50.0000	51
	60 Anthracene	178	11.665	11.665	(1.009)	1863863	50.0000	52
	61 Carbazole	167	11.932	11.932	(1.032)	1498074	50.0000	51
	62 Di-n-butylphthalate	149	12.509	12.509	(1.082)	2061623	50.0000	52
	63 Fluoranthene	202	13.187	13.187	(1.141)	1650498	50.0000	51
	64 Pyrene	202	13.465	13.465	(0.898)	1762054	50.0000	52
$	65 Terphenyl-d14	244	13.727	13.727	(0.916)	1071732	50.0000	50
	66 Butylbenzylphthalate	149	14.389	14.389	(0.960)	886803	50.0000	52
	68 Benzo(a)anthracene	228	14.977	14.977	(0.999)	1458080	50.0000	52
	67 3,3'-Dichlorobenzidine	252	14.988	14.988	(1.000)	227197	50.0000	48
*	69 Chrysene-d12	240	14.993	14.993	(1.000)	957309	40.0000	
	70 Chrysene	228	15.025	15.025	(1.002)	1419167	50.0000	50
	71 bis(2-Ethylhexyl)phthalate	149	15.132	15.132	(1.009)	1205673	50.0000	52

Data File: S3E7011.D
Report Date: 09-Nov-2007 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
72	Di-n-octylphthalate	149	15.896	15.896	(0.957)	1978309	50.0000	54
73	Benzo(b)fluoranthene	252	16.216	16.216	(0.976)	1344257	50.0000	48
74	Benzo(k)fluoranthene	252	16.248	16.248	(0.978)	1547947	50.0000	54
75	Benzo(a)pyrene	252	16.553	16.553	(0.996)	1291967	50.0000	51
* 76	Perylene-d12	264	16.612	16.612	(1.000)	880444	40.0000	
77	Indeno(1,2,3-cd)pyrene	276	17.627	17.627	(1.061)	1477324	50.0000	51
78	Dibenzo(a,h)anthracene	278	17.653	17.653	(1.063)	1264676	50.0000	51
79	Benzo(g,h,i)perylene	276	17.878	17.878	(1.076)	1295622	50.0000	50

QC Flag Legend

Q - Qualifier signal failed the ratio test.

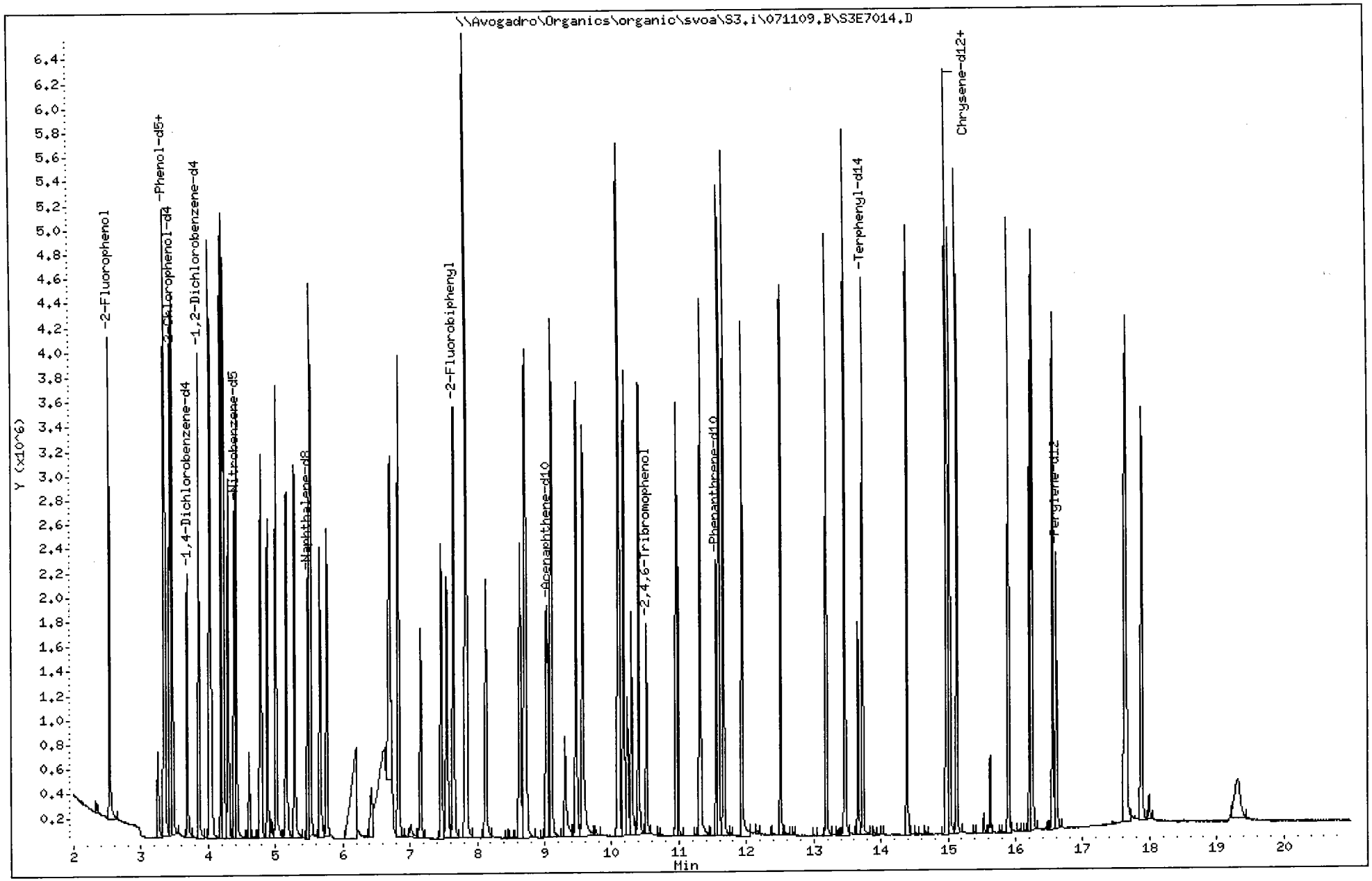
11/09/07
3M

11/9/07

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7014.D
Date : 09-NOV-2007 12:04
Client ID: SSTD0803P
Sample Info: SSTD0803P,SSTD0803P
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S3E7014.D
Report Date: 09-Nov-2007 13:36

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7014.D
Lab Smp Id: SSTD0803P Client Smp ID: SSTD0803P
Inj Date : 09-NOV-2007 12:04
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD0803P,SSTD0803P
Misc Info : 1,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\s3_olm4_2_S.m
Meth Date : 09-Nov-2007 13:36 beata Quant Type: ISTD
Cal Date : 09-NOV-2007 10:15 Cal File: S3E7011.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET101

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	2.000	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 2-Fluorophenol	112	2.528	2.535	(0.685)	1162772	80.0000	80
	2 Benzaldehyde	77	3.254	3.251	(0.881)	223504	80.0000	71
$	3 Phenol-d5	99	3.345	3.342	(0.906)	1550804	80.0000	81
	4 Phenol	94	3.356	3.358	(0.909)	1618792	80.0000	82
	5 bis(2-Chloroethyl)Ether	93	3.436	3.433	(0.931)	1303997	80.0000	82
$	6 2-Chlorophenol-d4	132	3.457	3.454	(0.936)	1027053	80.0000	81
	7 2-Chlorophenol	128	3.473	3.475	(0.941)	1062961	80.0000	82
*	8 1,4-Dichlorobenzene-d4	152	3.692	3.689	(1.000)	363239	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	3.863	3.860	(1.046)	680050	80.0000	81
	10 2-Methylphenol	108	4.023	4.020	(1.090)	1066718	80.0000	81
	11 2,2'-oxybis(1-Chloropropane)	45	4.040	4.036	(1.094)	1427377	80.0000	81
	12 Acetophenone	105	4.200	4.196	(1.137)	1678069	80.0000	81
	14 N-Nitroso-di-n-propylamine	70	4.216	4.212	(1.142)	967924	80.0000	87
	13 4-Methylphenol	108	4.232	4.229	(1.146)	1121347	80.0000	81
	15 Hexachloroethane	117	4.301	4.298	(1.165)	513277	80.0000	81
$	16 Nitrobenzene-d5	82	4.392	4.389	(0.800)	1526035	80.0000	80
	17 Nitrobenzene	77	4.424	4.416	(0.806)	1622385	80.0000	81
	18 Isophorone	82	4.787	4.779	(0.872)	2434307	80.0000	80
	19 2-Nitrophenol	139	4.884	4.880	(0.890)	550289	80.0000	80
	20 2,4-Dimethylphenol	107	5.012	5.008	(0.913)	1125567	80.0000	80

Data File: S3E7014.D
Report Date: 09-Nov-2007 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	5.167	5.163	(0.942)	1507759	80.0000	80
	22 2,4-Dichlorophenol	162	5.284	5.286	(0.963)	777987	80.0000	80
*	23 Naphthalene-d8	136	5.487	5.484	(1.000)	1434538	40.0000	
	24 Naphthalene	128	5.525	5.521	(1.007)	3004815	80.0000	81
	25 4-Chloroaniline	127	5.664	5.666	(1.032)	1014835	80.0000	82
	26 Hexachlorobutadiene	225	5.770	5.767	(1.052)	434223	80.0000	80
	100 m-Toluic Acid	91	6.198	6.168	(1.129)	640150	80.0000	80
	27 Caprolactam	113	6.427	6.413	(1.171)	380598	80.0000	80(Q)
	101 o-Toluic Acid	91	6.630	6.563	(1.208)	1317342	80.0000	84
	102 p-Toluic Acid	91	6.737	6.670	(1.228)	923517	80.0000	81(H)
	28 4-Chloro-3-Methylphenol	107	6.705	6.697	(1.222)	1051477	80.0000	82
	29 2-Methylnaphthalene	142	6.833	6.835	(1.245)	1770244	80.0000	81
	30 Hexachlorocyclopentadiene	237	7.165	7.161	(0.794)	428988	80.0000	80
	31 2,4,6-Trichlorophenol	196	7.469	7.466	(0.827)	519717	80.0000	80
	32 2,4,5-Trichlorophenol	196	7.549	7.546	(0.836)	569012	80.0000	81
$	33 2-Fluorobiphenyl	172	7.656	7.653	(0.848)	2000075	80.0000	80
	35 2-Chloronaphthalene	162	7.832	7.829	(0.867)	1692350	80.0000	81
	34 1,1'-Biphenyl	154	7.843	7.840	(0.869)	2173460	80.0000	81
	36 2-Nitroaniline	65	8.132	8.128	(0.901)	811457	80.0000	81
	37 Dimethylphthalate	163	8.639	8.630	(0.957)	1924804	80.0000	81
	39 Acenaphthylene	152	8.703	8.705	(0.964)	2666213	80.0000	81
	38 2,6-Dinitrotoluene	165	8.730	8.721	(0.967)	473416	80.0000	82
*	41 Acenaphthene-d10	164	9.029	9.031	(1.000)	732800	40.0000	
	40 3-Nitroaniline	138	9.066	9.058	(1.004)	385754	80.0000	80
	42 Acenaphthene	153	9.109	9.101	(1.009)	1709545	80.0000	81
	43 2,4-Dinitrophenol	184	9.307	9.304	(1.031)	227895	80.0000	78
	45 Dibenzofuran	168	9.478	9.474	(1.050)	2391678	80.0000	81
	46 2,4-Dinitrotoluene	165	9.574	9.565	(1.060)	616530	80.0000	83
	44 4-Nitrophenol	109	9.579	9.576	(1.061)	287043	80.0000	82
	47 Diethylphthalate	149	10.097	10.094	(1.118)	1867952	80.0000	83
	48 Fluorene	166	10.114	10.105	(1.120)	1902623	80.0000	82
	49 4-Chlorophenyl-phenylether	204	10.188	10.185	(1.128)	913576	80.0000	82
	50 4-Nitroaniline	138	10.236	10.228	(1.134)	296727	80.0000	76
	51 4,6-Dinitro-2-methylphenol	198	10.295	10.292	(0.891)	342478	80.0000	79
	52 N-Nitrosodiphenylamine	169	10.407	10.399	(0.901)	1324753	80.0000	80
$	53 2,4,6-Tribromophenol	330	10.525	10.522	(0.911)	204552	80.0000	80
	54 4-Bromophenyl-phenylether	248	10.963	10.960	(0.949)	454692	80.0000	80
	55 Hexachlorobenzene	284	10.990	10.986	(0.951)	474556	80.0000	80
	56 Atrazine	200	11.321	11.318	(0.980)	523638	80.0000	81
	57 Pentachlorophenol	266	11.321	11.318	(0.980)	174390	80.0000	76
*	58 Phenanthrene-d10	188	11.556	11.558	(1.000)	1126193	40.0000	
	59 Phenanthrene	178	11.593	11.590	(1.003)	2610943	80.0000	81
	60 Anthracene	178	11.668	11.665	(1.010)	2686526	80.0000	81
	61 Carbazole	167	11.935	11.932	(1.033)	2129873	80.0000	79
	62 Di-n-butylphthalate	149	12.512	12.509	(1.083)	2979311	80.0000	82
	63 Fluoranthene	202	13.191	13.187	(1.141)	2450886	80.0000	82
	64 Pyrene	202	13.468	13.465	(0.898)	2598808	80.0000	79
$	65 Terphenyl-d14	244	13.730	13.727	(0.916)	1641430	80.0000	79
	66 Butylbenzylphthalate	149	14.393	14.389	(0.960)	1327293	80.0000	80
	68 Benzo(a)anthracene	228	14.980	14.977	(0.999)	2164631	80.0000	79
	67 3,3'-Dichlorobenzidine	252	14.991	14.988	(1.000)	356514	80.0000	78
*	69 Chrysene-d12	240	14.996	14.993	(1.000)	931610	40.0000	
	70 Chrysene	228	15.028	15.025	(1.002)	2225340	80.0000	81
	71 bis(2-Ethylhexyl)phthalate	149	15.135	15.132	(1.009)	1822173	80.0000	81

Data File: S3E7014.D
Report Date: 09-Nov-2007 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
72	Di-n-octylphthalate	149	15.899	15.896	(0.957)	2935093	80.0000	82
73	Benzo(b)fluoranthene	252	16.220	16.216	(0.977)	2305569	80.0000	84
74	Benzo(k)fluoranthene	252	16.252	16.248	(0.978)	2264180	80.0000	80
75	Benzo(a)pyrene	252	16.556	16.553	(0.997)	2039477	80.0000	82
* 76	Perylene-d12	264	16.610	16.612	(1.000)	865308	40.0000	
77	Indeno(1,2,3-cd)pyrene	276	17.635	17.627	(1.062)	2346474	80.0000	82
78	Dibenzo(a,h)anthracene	278	17.657	17.653	(1.063)	2006516	80.0000	82
79	Benzo(g,h,i)perylene	276	17.886	17.878	(1.077)	2081158	80.0000	81

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

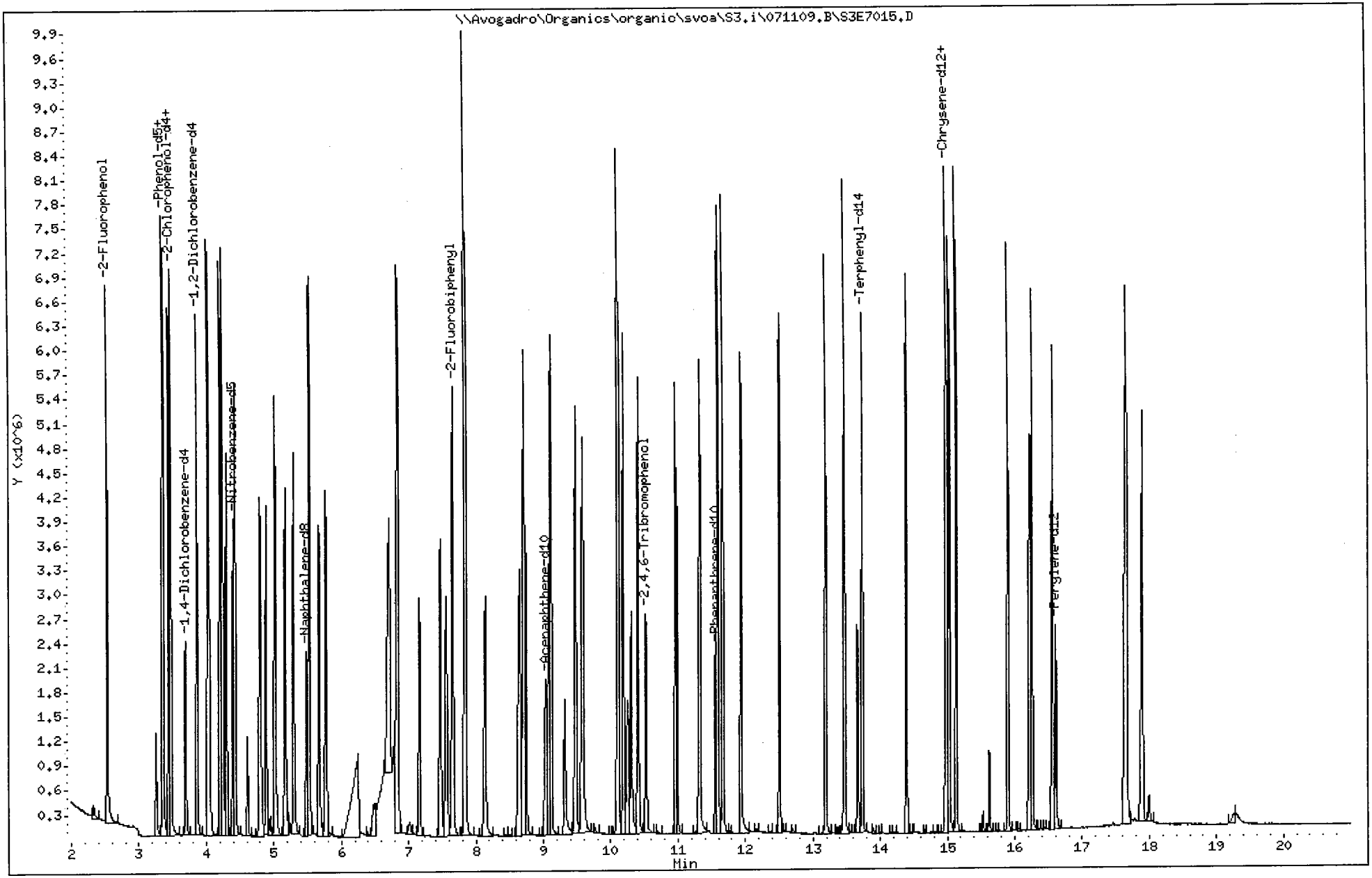
11/09/07 BM

BM 11/9/07

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7015.D
Date : 09-NOV-2007 12:34
Client ID: SSTD1203P
Sample Info: SSTD1203P,SSTD1203P
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: CLM
Column diameter: 0.25



TST9

Data File: S3E7015.D
Report Date: 09-Nov-2007 13:36

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7015.D
Lab Smp Id: SSTD1203P Client Smp ID: SSTD1203P
Inj Date : 09-NOV-2007 12:34
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD1203P,SSTD1203P
Misc Info : 1,4
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\s3_olm4_2_S.m
Meth Date : 09-Nov-2007 13:36 beata Quant Type: ISTD
Cal Date : 09-NOV-2007 10:15 Cal File: S3E7011.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET101

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	2.000	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 2-Fluorophenol	112	2.529	2.535	(0.685)	1910011	120.000	120
	2 Benzaldehyde	77	3.256	3.251	(0.881)	431587	120.000	130
$	3 Phenol-d5	99	3.352	3.342	(0.907)	2520437	120.000	120
	4 Phenol	94	3.368	3.358	(0.912)	2556196	120.000	120
	5 bis(2-Chloroethyl)Ether	93	3.443	3.433	(0.932)	2091093	120.000	120
$	6 2-Chlorophenol-d4	132	3.464	3.454	(0.938)	1643274	120.000	120
	7 2-Chlorophenol	128	3.480	3.475	(0.942)	1704238	120.000	120
*	8 1,4-Dichlorobenzene-d4	152	3.694	3.689	(1.000)	397366	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	3.865	3.860	(1.046)	1089410	120.000	120
	10 2-Methylphenol	108	4.030	4.020	(1.091)	1728143	120.000	120
	11 2,2'-oxybis(1-Chloropropane)	45	4.046	4.036	(1.095)	2277233	120.000	120
	12 Acetophenone	105	4.207	4.196	(1.139)	2707413	120.000	120
	14 N-Nitroso-di-n-propylamine	70	4.228	4.212	(1.145)	1330448	120.000	110
	13 4-Methylphenol	108	4.244	4.229	(1.149)	1825917	120.000	120
	15 Hexachloroethane	117	4.303	4.298	(1.165)	833011	120.000	120
$	16 Nitrobenzene-d5	82	4.404	4.389	(0.802)	2489688	120.000	120
	17 Nitrobenzene	77	4.431	4.416	(0.807)	2581227	120.000	120
	18 Isophorone	82	4.800	4.779	(0.874)	3905406	120.000	120
	19 2-Nitrophenol	139	4.890	4.880	(0.891)	911646	120.000	120
	20 2,4-Dimethylphenol	107	5.024	5.008	(0.915)	1796556	120.000	120

Data File: S3E7015.D
Report Date: 09-Nov-2007 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	5.173	5.163	(0.943)	2468095	120.000	120
	22 2,4-Dichlorophenol	162	5.296	5.286	(0.965)	1267333	120.000	120
*	23 Naphthalene-d8	136	5.489	5.484	(1.000)	1571772	40.0000	
	24 Naphthalene	128	5.531	5.521	(1.008)	4669998	120.000	120
	25 4-Chloroaniline	127	5.670	5.666	(1.033)	1654796	120.000	120
	26 Hexachlorobutadiene	225	5.772	5.767	(1.052)	708263	120.000	120
	100 m-Toluic Acid	91	6.253	6.168	(1.139)	1084942	120.000	120
	27 Caprolactam	113	6.846	6.413	(1.247)	697016	120.000	130(T)
	101 o-Toluic Acid	91	6.691	6.563	(1.219)	2295079	120.000	130
	102 p-Toluic Acid	91	6.840	6.670	(1.246)	1596155	120.000	130(H)
	28 4-Chloro-3-Methylphenol	107	6.717	6.697	(1.224)	1720219	120.000	120
	29 2-Methylnaphthalene	142	6.840	6.835	(1.246)	2847669	120.000	120
	30 Hexachlorocyclopentadiene	237	7.166	7.161	(0.793)	726587	120.000	120
	31 2,4,6-Trichlorophenol	196	7.476	7.466	(0.827)	852001	120.000	120
	32 2,4,5-Trichlorophenol	196	7.561	7.546	(0.837)	931070	120.000	120
$	33 2-Fluorobiphenyl	172	7.663	7.653	(0.848)	3196951	120.000	120
	35 2-Chloronaphthalene	162	7.839	7.829	(0.868)	2687426	120.000	120
	34 1,1'-Biphenyl	154	7.855	7.840	(0.869)	3399413	120.000	120
	36 2-Nitroaniline	65	8.144	8.128	(0.901)	1298209	120.000	120
	37 Dimethylphthalate	163	8.651	8.630	(0.957)	3070370	120.000	120
	39 Acenaphthylene	152	8.715	8.705	(0.965)	4175623	120.000	120
	38 2,6-Dinitrotoluene	165	8.747	8.721	(0.968)	768004	120.000	120
*	41 Acenaphthene-d10	164	9.036	9.031	(1.000)	797584	40.0000	
	40 3-Nitroaniline	138	9.084	9.058	(1.005)	650766	120.000	120
	42 Acenaphthene	153	9.116	9.101	(1.009)	2694666	120.000	120
	43 2,4-Dinitrophenol	184	9.319	9.304	(1.031)	428446	120.000	130
	45 Dibenzofuran	168	9.485	9.474	(1.050)	3763199	120.000	120
	46 2,4-Dinitrotoluene	165	9.586	9.565	(1.061)	979034	120.000	120
	44 4-Nitrophenol	109	9.597	9.576	(1.062)	445462	120.000	120
	47 Diethylphthalate	149	10.110	10.094	(1.119)	2851474	120.000	120
	48 Fluorene	166	10.120	10.105	(1.120)	2922956	120.000	120
	49 4-Chlorophenyl-phenylether	204	10.190	10.185	(1.128)	1445755	120.000	120
	50 4-Nitroaniline	138	10.259	10.228	(1.135)	506646	120.000	120
	51 4,6-Dinitro-2-methylphenol	198	10.313	10.292	(0.892)	579236	120.000	120
	52 N-Nitrosodiphenylamine	169	10.414	10.399	(0.901)	2101683	120.000	120
$	53 2,4,6-Tribromophenol	330	10.532	10.522	(0.911)	336087	120.000	120
	54 4-Bromophenyl-phenylether	248	10.970	10.960	(0.949)	730157	120.000	120
	55 Hexachlorobenzene	284	10.996	10.986	(0.951)	760977	120.000	120
	56 Atrazine	200	11.333	11.318	(0.980)	816425	120.000	120
	57 Pentachlorophenol	266	11.328	11.318	(0.980)	319157	120.000	130
*	58 Phenanthrene-d10	188	11.563	11.558	(1.000)	1202469	40.0000	
	59 Phenanthrene	178	11.600	11.590	(1.003)	3931606	120.000	110
	60 Anthracene	178	11.675	11.665	(1.010)	4061744	120.000	110
	61 Carbazole	167	11.942	11.932	(1.033)	3291021	120.000	110
	62 Di-n-butylphthalate	149	12.514	12.509	(1.082)	4343586	120.000	110
	63 Fluoranthene	202	13.192	13.187	(1.141)	3643228	120.000	110
	64 Pyrene	202	13.475	13.465	(0.898)	3887051	120.000	110
$	65 Terphenyl-d14	244	13.737	13.727	(0.916)	2515588	120.000	120
	66 Butylbenzylphthalate	149	14.399	14.389	(0.960)	1976292	120.000	120
	68 Benzo(a)anthracene	228	14.987	14.977	(0.999)	3268686	120.000	120
	67 3,3'-Dichlorobenzidine	252	14.992	14.988	(1.000)	540410	120.000	120
*	69 Chrysene-d12	240	14.998	14.993	(1.000)	955446	40.0000	
	70 Chrysene	228	15.035	15.025	(1.002)	3336691	120.000	120
	71 bis(2-Ethylhexyl)phthalate	149	15.137	15.132	(1.009)	2712239	120.000	120

Data File: S3E7015.D
Report Date: 09-Nov-2007 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	72 Di-n-octylphthalate	149	15.900	15.896	(0.957)	4294597	120.000	110
	73 Benzo(b)fluoranthene	252	16.226	16.216	(0.977)	3613218	120.000	120
	74 Benzo(k)fluoranthene	252	16.264	16.248	(0.979)	3462582	120.000	110
	75 Benzo(a)pyrene	252	16.568	16.553	(0.997)	3197904	120.000	120
*	76 Perylene-d12	264	16.616	16.612	(1.000)	949246	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	17.642	17.627	(1.062)	3698937	120.000	120
	78 Dibenzo(a,h)anthracene	278	17.669	17.653	(1.063)	3197720	120.000	120
	79 Benzo(g,h,i)perylene	276	17.898	17.878	(1.077)	3363131	120.000	120

QC Flag Legend

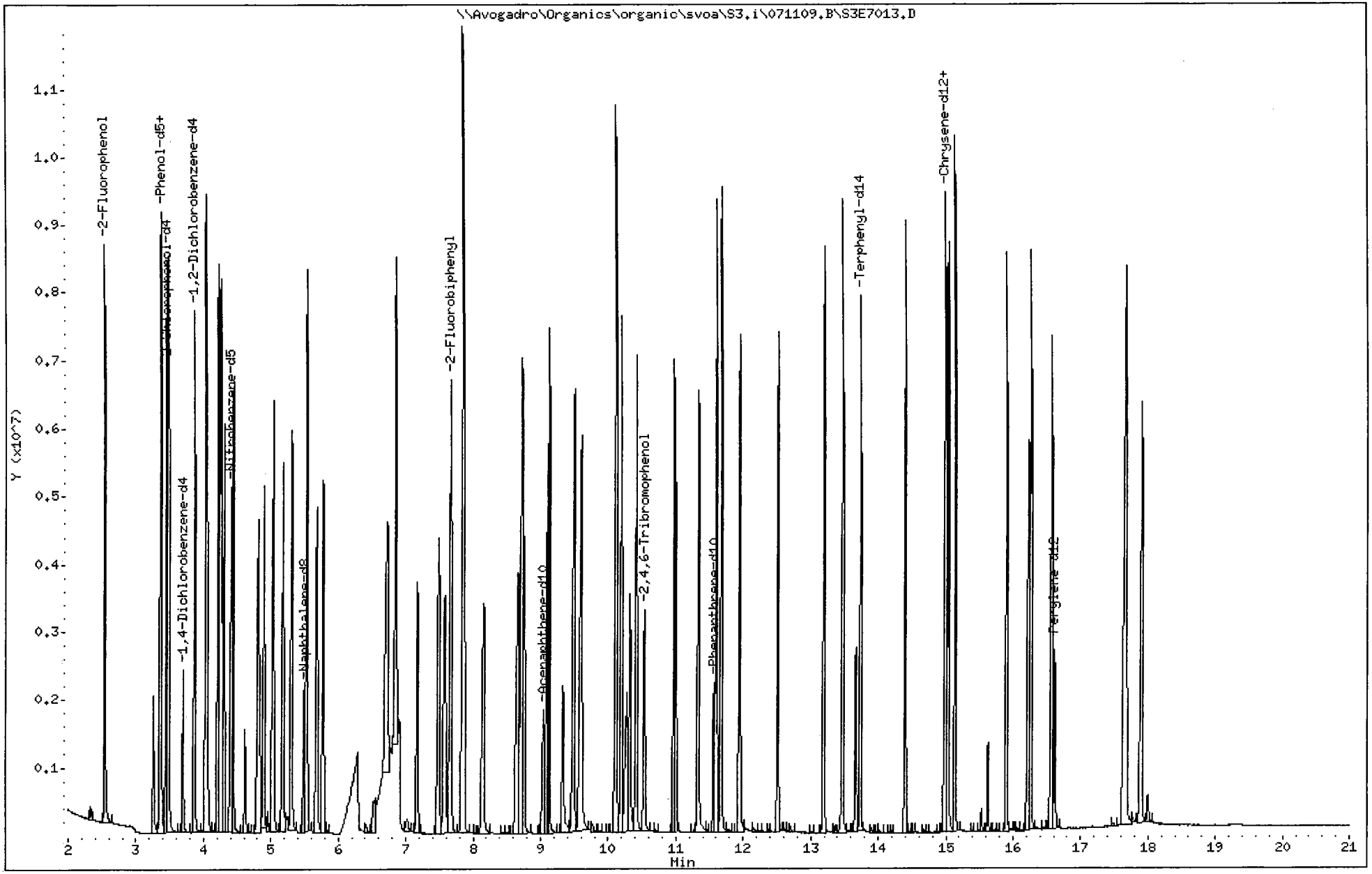
T - Target compound detected outside RT window.
H - Operator selected an alternate compound hit.

11/09/07 BM

11/9/07

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7013.D
Date : 09-NOV-2007 11:33
Client ID: SSTD1603P
Sample Info: SSTD1603P,SSTD1603P
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i
Operator: CLM SRC: CLM
Column diameter: 0.25



S3E7013

Data File: S3E7013.D
Report Date: 09-Nov-2007 13:36

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7013.D
Lab Smp Id: SSTD1603P Client Smp ID: SSTD1603P
Inj Date : 09-NOV-2007 11:33
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD1603P,SSTD1603P
Misc Info : 1,5
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071109.B\s3_olm4_2_S.m
Meth Date : 09-Nov-2007 13:36 beata Quant Type: ISTD
Cal Date : 09-NOV-2007 10:15 Cal File: S3E7011.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET101

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	2.000	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	2-Fluorophenol	112	2.535	2.535	(0.686)	2398937	160.000	150
2	Benzaldehyde	77	3.257	3.251	(0.881)	694660	160.000	200(A)
$ 3	Phenol-d5	99	3.363	3.342	(0.910)	3254030	160.000	150
4	Phenol	94	3.374	3.358	(0.913)	3225415	160.000	150
5	bis(2-Chloroethyl)Ether	93	3.449	3.433	(0.933)	2679213	160.000	150
$ 6	2-Chlorophenol-d4	132	3.465	3.454	(0.938)	2125136	160.000	150
7	2-Chlorophenol	128	3.486	3.475	(0.944)	2201587	160.000	150
* 8	1,4-Dichlorobenzene-d4	152	3.695	3.689	(1.000)	400415	40.0000	
$ 9	1,2-Dichlorobenzene-d4	152	3.871	3.860	(1.048)	1397070	160.000	150
10	2-Methylphenol	108	4.036	4.020	(1.093)	2223598	160.000	150
11	2,2'-oxybis(1-Chloropropane)	45	4.047	4.036	(1.095)	2918816	160.000	150
12	Acetophenone	105	4.218	4.196	(1.142)	3485705	160.000	150
14	N-Nitroso-di-n-propylamine	70	4.239	4.212	(1.147)	1603020	160.000	130
13	4-Methylphenol	108	4.256	4.229	(1.152)	2348849	160.000	150
15	Hexachloroethane	117	4.304	4.298	(1.165)	1084179	160.000	160
$ 16	Nitrobenzene-d5	82	4.410	4.389	(0.803)	3269931	160.000	160
17	Nitrobenzene	77	4.442	4.416	(0.808)	3281056	160.000	150
18	Isophorone	82	4.811	4.779	(0.876)	5106435	160.000	150
19	2-Nitrophenol	139	4.897	4.880	(0.891)	1195952	160.000	160
20	2,4-Dimethylphenol	107	5.030	5.008	(0.915)	2326036	160.000	150

Data File: S3E7013.D
Report Date: 09-Nov-2007 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	5.180	5.163	(0.943)	3188862	160.000	150
	22 2,4-Dichlorophenol	162	5.303	5.286	(0.965)	1629224	160.000	150
*	23 Naphthalene-d8	136	5.495	5.484	(1.000)	1569257	40.0000	
	24 Naphthalene	128	5.538	5.521	(1.008)	5852904	160.000	150
	25 4-Chloroaniline	127	5.682	5.666	(1.034)	2178687	160.000	160(A)
	26 Hexachlorobutadiene	225	5.778	5.767	(1.052)	914681	160.000	150
	100 m-Toluic Acid	91	6.286	6.168	(1.144)	1442374	160.000	160(A)
	27 Caprolactam	113	6.846	6.413	(1.246)	896982	160.000	170(TAQ)
	101 o-Toluic Acid	91	6.772	6.563	(1.232)	3069115	160.000	180(AH)
	102 p-Toluic Acid	91	6.905	6.670	(1.257)	1838213	160.000	150(H)
	28 4-Chloro-3-Methylphenol	107	6.724	6.697	(1.224)	2179492	160.000	160
	29 2-Methylnaphthalene	142	6.846	6.835	(1.246)	3652329	160.000	150
	30 Hexachlorocyclopentadiene	237	7.167	7.161	(0.793)	968449	160.000	170(A)
	31 2,4,6-Trichlorophenol	196	7.487	7.466	(0.829)	1111133	160.000	160
	32 2,4,5-Trichlorophenol	196	7.578	7.546	(0.839)	1211688	160.000	160
$	33 2-Fluorobiphenyl	172	7.669	7.653	(0.849)	4091029	160.000	150
	35 2-Chloronaphthalene	162	7.845	7.829	(0.868)	3452190	160.000	150
	34 1,1'-Biphenyl	154	7.861	7.840	(0.870)	4246211	160.000	140
	36 2-Nitroaniline	65	8.155	8.128	(0.902)	1720230	160.000	160
	37 Dimethylphthalate	163	8.663	8.630	(0.959)	3985416	160.000	150
	39 Acenaphthylene	152	8.722	8.705	(0.965)	5362460	160.000	150
	38 2,6-Dinitrotoluene	165	8.759	8.721	(0.969)	1006510	160.000	160
*	41 Acenaphthene-d10	164	9.037	9.031	(1.000)	799848	40.0000	
	40 3-Nitroaniline	138	9.101	9.058	(1.007)	875024	160.000	170(A)
	42 Acenaphthene	153	9.128	9.101	(1.010)	3494633	160.000	150
	43 2,4-Dinitrophenol	184	9.331	9.304	(1.033)	594558	160.000	190(A)
	45 Dibenzofuran	168	9.496	9.474	(1.051)	4796980	160.000	150
	46 2,4-Dinitrotoluene	165	9.598	9.565	(1.062)	1292267	160.000	160
	44 4-Nitrophenol	109	9.608	9.576	(1.063)	613772	160.000	160(A)
	47 Diethylphthalate	149	10.116	10.094	(1.119)	3585860	160.000	150
	48 Fluorene	166	10.127	10.105	(1.121)	3694161	160.000	150
	49 4-Chlorophenyl-phenylether	204	10.196	10.185	(1.128)	1851295	160.000	150
	50 4-Nitroaniline	138	10.276	10.228	(1.137)	738398	160.000	170(AH)
	51 4,6-Dinitro-2-methylphenol	198	10.324	10.292	(0.893)	802100	160.000	170(A)
	52 N-Nitrosodiphenylamine	169	10.420	10.399	(0.901)	2727216	160.000	150
$	53 2,4,6-Tribromophenol	330	10.538	10.522	(0.911)	450166	160.000	160(A)
	54 4-Bromophenyl-phenylether	248	10.971	10.960	(0.949)	946864	160.000	150
	55 Hexachlorobenzene	284	11.003	10.986	(0.951)	1009721	160.000	160
	56 Atrazine	200	11.345	11.318	(0.981)	1056722	160.000	150
	57 Pentachlorophenol	266	11.328	11.318	(0.980)	449474	160.000	180(A)
*	58 Phenanthrene-d10	188	11.564	11.558	(1.000)	1210010	40.0000	
	59 Phenanthrene	178	11.606	11.590	(1.004)	4992971	160.000	140
	60 Anthracene	178	11.681	11.665	(1.010)	5073461	160.000	140
	61 Carbazole	167	11.948	11.932	(1.033)	4292039	160.000	150
	62 Di-n-butylphthalate	149	12.520	12.509	(1.083)	5380343	160.000	140
	63 Fluoranthene	202	13.198	13.187	(1.141)	4629558	160.000	140
	64 Pyrene	202	13.481	13.465	(0.899)	4939987	160.000	140
$	65 Terphenyl-d14	244	13.738	13.727	(0.916)	3255036	160.000	150
	66 Butylbenzylphthalate	149	14.400	14.389	(0.960)	2558705	160.000	150
	68 Benzo(a)anthracene	228	14.988	14.977	(0.999)	4385496	160.000	150
	67 3,3'-Dichlorobenzidine	252	14.999	14.988	(1.000)	715427	160.000	150
*	69 Chrysene-d12	240	15.004	14.993	(1.000)	972131	40.0000	
	70 Chrysene	228	15.041	15.025	(1.002)	4293939	160.000	150
	71 bis(2-Ethylhexyl)phthalate	149	15.137	15.132	(1.009)	3491904	160.000	150

Data File: S3E7013.D
Report Date: 09-Nov-2007 13:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
72 Di-n-octylphthalate	149	15.907	15.896	(0.957)	5329235	160.000	130
73 Benzo(b)fluoranthene	252	16.238	16.216	(0.977)	4850874	160.000	160
74 Benzo(k)fluoranthene	252	16.270	16.248	(0.979)	4526182	160.000	140(H)
75 Benzo(a)pyrene	252	16.574	16.553	(0.997)	4285690	160.000	150
* 76 Perylene-d12	264	16.617	16.612	(1.000)	989349	40.0000	
77 Indeno(1,2,3-cd)pyrene	276	17.648	17.627	(1.062)	5036152	160.000	150
78 Dibenzo(a,h)anthracene	278	17.680	17.653	(1.064)	4258919	160.000	150
79 Benzo(g,h,i)perylene	276	17.910	17.878	(1.078)	4582099	160.000	160

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

11/09/07
BM

11/9/07

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: S3 Calibration Date: 11/11/2007 Time: 22:04

Lab File ID: S3E7081.D Init Calib. Date(s): 11/09/07 11/09/2007

EPA Sample No.(SSTD050##): SSTD0503U Init Calib. Time(s): 10:15 12:34

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.345	0.727		110.6	
Phenol	2.168	2.227	0.800	2.7	25.0
Bis(2-chloroethyl)ether	1.760	1.894	0.700	7.6	25.0
2-Chlorophenol	1.433	1.467	0.800	2.3	25.0
2-Methylphenol	1.446	1.481	0.700	2.4	25.0
2,2´-oxybis(1-Chloropropane)	1.940	2.064		6.4	
Acetophenone	2.276	2.410		5.9	
4-Methylphenol	1.521	1.574	0.600	3.5	25.0
N-Nitroso-di-n-propylamine	1.228	1.441	0.500	17.4	25.0
Hexachloroethane	0.697	0.715	0.300	2.5	25.0
Nitrobenzene	0.558	0.560	0.200	0.4	25.0
Isophorone	0.844	0.878	0.400	4.1	25.0
2-Nitrophenol	0.192	0.187	0.100	-2.6	25.0
2,4-Dimethylphenol	0.393	0.376	0.200	-4.2	25.0
Bis(2-chloroethoxy)methane	0.525	0.532	0.300	1.3	25.0
2,4-Dichlorophenol	0.271	0.264	0.200	-2.5	25.0
Naphthalene	1.029	1.055	0.700	2.5	25.0
4-Chloroaniline	0.345	0.357		3.5	
Hexachlorobutadiene	0.151	0.146		-3.3	
Caprolactam	0.132	0.124		-5.9	
4-Chloro-3-methylphenol	0.358	0.357	0.200	-0.2	25.0
2-Methylnaphthalene	0.611	0.620	0.400	1.5	25.0
Hexachlorocyclopentadiene	0.292	0.255		-12.7	
2,4,6-Trichlorophenol	0.353	0.337	0.200	-4.6	25.0
2,4,5-Trichlorophenol	0.386	0.373	0.200	-3.3	25.0
1,1´-Biphenyl	1.469	1.512		2.9	
2-Chloronaphthalene	1.146	1.159	0.800	1.2	25.0
2-Nitroaniline	0.545	0.561		3.0	
Dimethylphthalate	1.300	1.329		2.2	
2,6-Dinitrotoluene	0.315	0.316	0.200	0.2	25.0
Acenaphthylene	1.788	1.801	0.900	0.7	25.0
3-Nitroaniline	0.256	0.247		-3.6	
Acenaphthene	1.158	1.178	0.900	1.7	25.0
2,4-Dinitrophenol	0.135	0.143		5.6	
4-Nitrophenol	0.182	0.196		7.6	

FORM VII SV-1

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: S3 Calibration Date: 11/11/2007 Time: 22:04

Lab File ID: S3E7081.D Init Calib. Date(s): 11/09/07 11/09/2007

EPA Sample No.(SSTD050##): SSTD0503U Init Calib. Time(s): 10:15 12:34

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dibenzofuran	1.608	1.660	0.800	3.2	25.0
2,4-Dinitrotoluene	0.408	0.419	0.200	2.7	25.0
Diethylphthalate	1.235	1.339		8.4	
Fluorene	1.270	1.325	0.900	4.3	25.0
4-Chlorophenyl-phenylether	0.606	0.605	0.400	-0.2	25.0
4-Nitroaniline	0.206	0.204		-1.2	
4,6-Dinitro-2-methylphenol	0.145	0.145		0.0	
N-Nitrosodiphenylamine	0.589	0.594		0.8	
4-Bromophenyl-phenylether	0.202	0.196	0.100	-3.1	25.0
Hexachlorobenzene	0.210	0.203	0.100	-3.2	25.0
Atrazine	0.229	0.238		3.7	
Pentachlorophenol	0.073	0.093	0.050	27.6	25.0
Phenanthrene	1.151	1.191	0.700	3.5	25.0
Anthracene	1.176	1.205	0.700	2.5	25.0
Carbazole	0.959	1.005		4.8	
Di-n-butylphthalate	1.284	1.392		8.4	
Fluoranthene	1.057	1.131	0.600	7.0	25.0
Pyrene	1.417	1.426	0.600	0.6	25.0
Butylbenzylphthalate	0.715	0.732		2.4	
3,3´-Dichlorobenzidine	0.196	0.228		16.4	
Benzo(a)anthracene	1.179	1.207	0.800	2.4	25.0
Chrysene	1.179	1.182	0.700	0.3	25.0
Bis(2-ethylhexyl)phthalate	0.971	0.998		2.8	
Di-n-octylphthalate	1.660	1.851		11.5	
Benzo(b)fluoranthene	1.263	1.311	0.700	3.8	25.0
Benzo(k)fluoranthene	1.309	1.365	0.700	4.3	25.0
Benzo(a)pyrene	1.151	1.194	0.700	3.7	25.0
Indeno(1,2,3-cd)pyrene	1.329	1.350	0.500	1.6	25.0
Dibenzo(a,h)anthracene	1.136	1.154	0.400	1.6	25.0
Benzo(g,h,i)perylene	1.184	1.175	0.500	-0.7	25.0

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Instrument ID: S3 Calibration Date: 11/11/2007 Time: 22:04

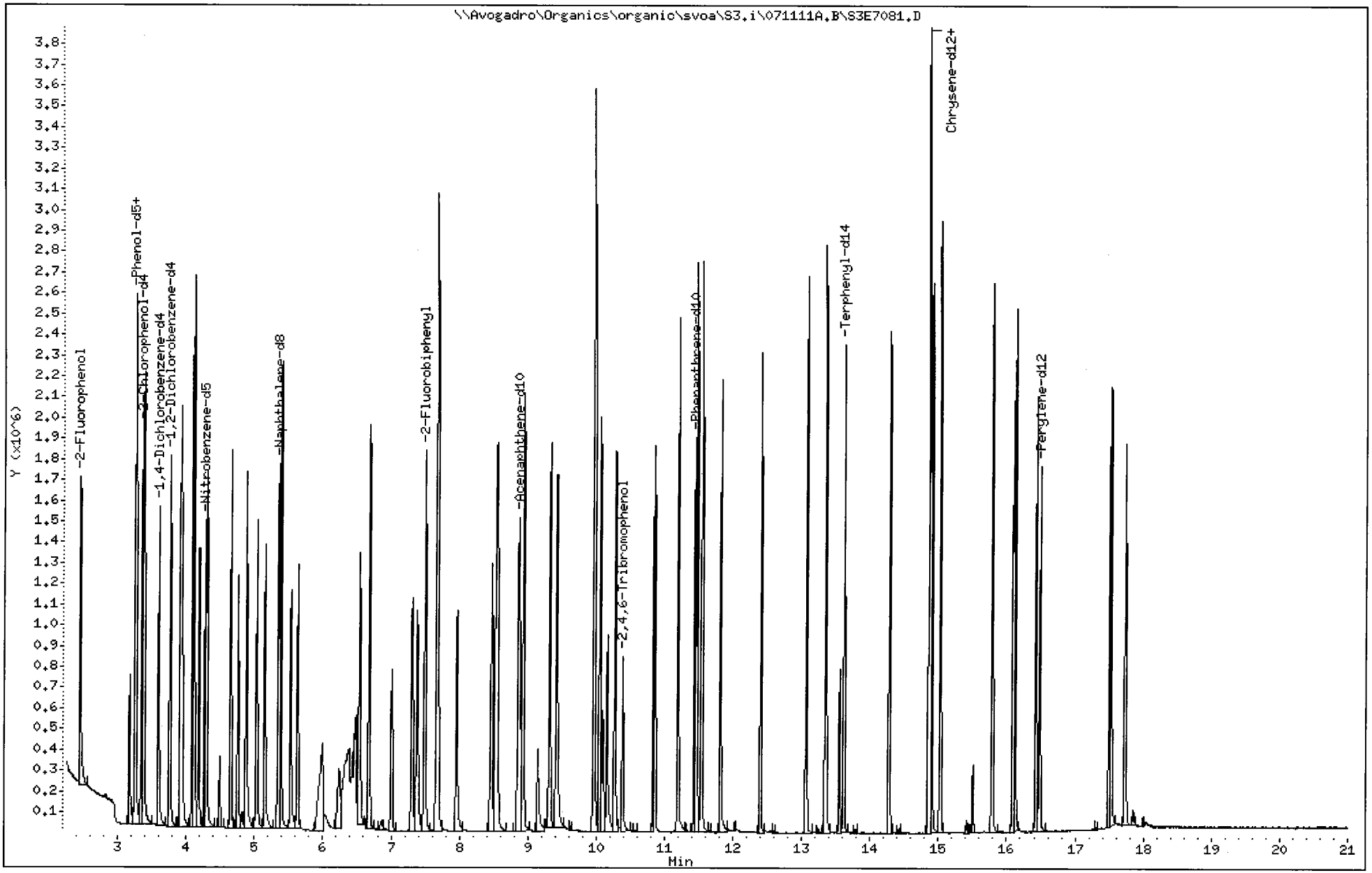
Lab File ID: S3E7081.D Init Calib. Date(s): 11/09/07 11/09/2007

EPA Sample No.(SSTD050##): SSTD0503U Init Calib. Time(s): 10:15 12:34

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Nitrobenzene-d5	0.532	0.533	0.200	0.2	25.0
2-Fluorobiphenyl	1.361	1.348	0.700	-1.0	25.0
Terphenyl-d14	0.887	0.864	0.500	-2.6	25.0
Phenol-d5	2.115	2.163	0.800	2.3	25.0
2-Fluorophenol	1.593	1.594	0.600	0.1	25.0
2,4,6-Tribromophenol	0.091	0.088		-3.6	
2-Chlorophenol-d4	1.389	1.397	0.800	0.6	25.0
1,2-Dichlorobenzene-d4	0.919	0.924	0.400	0.5	25.0

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7081.D
Date : 11-NOV-2007 22:04
Client ID: SSTD0503U
Instrument: S3.i
Sample Info: SSTD0503U,SSTD0503U
Volume Injected (uL): 2.0
Operator: CLM SRC: CLM
Column phase: DB-5MS
Column diameter: 0.25



Data File: S3E7081.D
Report Date: 12-Nov-2007 12:31

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7081.D
Lab Smp Id: SSTD0503U Client Smp ID: SSTD0503U
Inj Date : 11-NOV-2007 22:04
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD0503U,SSTD0503U
Misc Info : 2,2
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\s3_olm4_2_S.m
Meth Date : 12-Nov-2007 12:31 S3.i Quant Type: ISTD
Cal Date : 11-NOV-2007 22:04 Cal File: S3E7081.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.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	2.000	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	2-Fluorophenol	112	2.446	2.446	(0.681)	528916	50.0000	50
2	Benzaldehyde	77	3.168	3.168	(0.881)	241174	50.0000	110
$ 3	Phenol-d5	99	3.248	3.248	(0.903)	717469	50.0000	51
4	Phenol	94	3.264	3.264	(0.908)	738981	50.0000	51
5	bis(2-Chloroethyl)Ether	93	3.344	3.344	(0.930)	628187	50.0000	54
$ 6	2-Chlorophenol-d4	132	3.360	3.360	(0.935)	463377	50.0000	50
7	2-Chlorophenol	128	3.376	3.376	(0.939)	486616	50.0000	51
* 8	1,4-Dichlorobenzene-d4	152	3.595	3.595	(1.000)	265404	40.0000	
$ 9	1,2-Dichlorobenzene-d4	152	3.761	3.761	(1.046)	306543	50.0000	50
10	2-Methylphenol	108	3.910	3.910	(1.088)	491398	50.0000	51
11	2,2'-oxybis(1-Chloropropane)	45	3.937	3.937	(1.095)	684850	50.0000	53
12	Acetophenone	105	4.081	4.081	(1.135)	799601	50.0000	53
13	4-Methylphenol	108	4.113	4.113	(1.144)	522157	50.0000	52
14	N-Nitroso-di-n-propylamine	70	4.103	4.103	(1.141)	477972	50.0000	59
15	Hexachloroethane	117	4.183	4.183	(1.163)	237057	50.0000	51
$ 16	Nitrobenzene-d5	82	4.273	4.273	(0.799)	729340	50.0000	50
17	Nitrobenzene	77	4.300	4.300	(0.804)	766268	50.0000	50
18	Isophorone	82	4.653	4.653	(0.870)	1200635	50.0000	52
19	2-Nitrophenol	139	4.754	4.754	(0.889)	255459	50.0000	49
20	2,4-Dimethylphenol	107	4.877	4.877	(0.912)	513497	50.0000	48

Data File: S3E7081.D
Report Date: 12-Nov-2007 12:31

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	5.032	5.032	(0.941)	727229	50.0000	51
	22 2,4-Dichlorophenol	162	5.150	5.150	(0.963)	361334	50.0000	49
*	23 Naphthalene-d8	136	5.347	5.347	(1.000)	1093814	40.0000	
	24 Naphthalene	128	5.385	5.385	(1.007)	1442083	50.0000	51
	25 4-Chloroaniline	127	5.524	5.524	(1.033)	487462	50.0000	52
	26 Hexachlorobutadiene	225	5.630	5.630	(1.053)	199690	50.0000	48
	27 Caprolactam	113	6.239	6.239	(1.167)	169823	50.0000	47
	28 4-Chloro-3-Methylphenol	107	6.539	6.539	(1.223)	488438	50.0000	50
	29 2-Methylnaphthalene	142	6.677	6.677	(1.249)	847506	50.0000	51
	30 Hexachlorocyclopentadiene	237	7.009	7.009	(0.791)	180073	50.0000	44
	31 2,4,6-Trichlorophenol	196	7.302	7.302	(0.824)	238673	50.0000	48
	32 2,4,5-Trichlorophenol	196	7.377	7.377	(0.833)	263606	50.0000	48
$	33 2-Fluorobiphenyl	172	7.489	7.489	(0.846)	953386	50.0000	50
	34 1,1'-Biphenyl	154	7.676	7.676	(0.867)	1069560	50.0000	51
	35 2-Chloronaphthalene	162	7.660	7.660	(0.865)	819345	50.0000	51
	36 2-Nitroaniline	65	7.960	7.960	(0.899)	396841	50.0000	51
	37 Dimethylphthalate	163	8.467	8.467	(0.956)	939964	50.0000	51
	38 2,6-Dinitrotoluene	165	8.558	8.558	(0.966)	223792	50.0000	50
	39 Acenaphthylene	152	8.531	8.531	(0.963)	1273660	50.0000	50
	40 3-Nitroaniline	138	8.884	8.884	(1.003)	175027	50.0000	47
*	41 Acenaphthene-d10	164	8.857	8.857	(1.000)	565772	40.0000	
	42 Acenaphthene	153	8.932	8.932	(1.008)	833452	50.0000	51
	43 2,4-Dinitrophenol	184	9.145	9.145	(1.033)	100801	50.0000	45
	44 4-Nitrophenol	109	9.413	9.413	(1.063)	138496	50.0000	51
	45 Dibenzofuran	168	9.316	9.316	(1.052)	1173856	50.0000	52
	46 2,4-Dinitrotoluene	165	9.418	9.418	(1.063)	296596	50.0000	51
	47 Diethylphthalate	149	9.963	9.963	(1.125)	946985	50.0000	54
	48 Fluorene	166	9.968	9.968	(1.125)	936729	50.0000	52
	49 4-Chlorophenyl-phenylether	204	10.048	10.048	(1.134)	427561	50.0000	50
	50 4-Nitroaniline	138	10.091	10.091	(1.139)	144303	50.0000	48
	51 4,6-Dinitro-2-methylphenol	198	10.155	10.155	(0.888)	159423	50.0000	47
	52 N-Nitrosodiphenylamine	169	10.273	10.273	(0.899)	653451	50.0000	50
$	53 2,4,6-Tribromophenol	330	10.385	10.385	(0.908)	96326	50.0000	48
	54 4-Bromophenyl-phenylether	248	10.839	10.839	(0.948)	215932	50.0000	49
	55 Hexachlorobenzene	284	10.855	10.855	(0.950)	223028	50.0000	48
	56 Atrazine	200	11.197	11.197	(0.979)	261886	50.0000	52
	57 Pentachlorophenol	266	11.197	11.197	(0.979)	102452	50.0000	57
*	58 Phenanthrene-d10	188	11.432	11.432	(1.000)	880365	40.0000	
	59 Phenanthrene	178	11.469	11.469	(1.003)	1310747	50.0000	52
	60 Anthracene	178	11.539	11.539	(1.009)	1325972	50.0000	51
	61 Carbazole	167	11.817	11.817	(1.034)	1105843	50.0000	52
	62 Di-n-butylphthalate	149	12.399	12.399	(1.085)	1532225	50.0000	54
	63 Fluoranthene	202	13.067	13.067	(1.143)	1244785	50.0000	54
	64 Pyrene	202	13.344	13.344	(0.897)	1329143	50.0000	50
$	65 Terphenyl-d14	244	13.617	13.617	(0.916)	805714	50.0000	49
	66 Butylbenzylphthalate	149	14.279	14.279	(0.960)	682086	50.0000	51
	67 3,3'-Dichlorobenzidine	252	14.872	14.872	(1.000)	212247	50.0000	58
	68 Benzo(a)anthracene	228	14.856	14.856	(0.999)	1125285	50.0000	51
*	69 Chrysene-d12	240	14.872	14.872	(1.000)	745825	40.0000	
	70 Chrysene	228	14.904	14.904	(1.002)	1102155	50.0000	50
	71 bis(2-Ethylhexyl)phthalate	149	15.027	15.027	(1.010)	930040	50.0000	51
	72 Di-n-octylphthalate	149	15.786	15.786	(0.958)	1552928	50.0000	56
	73 Benzo(b)fluoranthene	252	16.090	16.090	(0.976)	1100099	50.0000	52
	74 Benzo(k)fluoranthene	252	16.122	16.122	(0.978)	1144986	50.0000	52

Data File: S3E7081.D
Report Date: 12-Nov-2007 12:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
75 Benzo(a)pyrene	252	16.427	16.427	(0.996)	1001732	50.0000	52
* 76 Perylene-d12	264	16.486	16.486	(1.000)	671145	40.0000	
77 Indeno(1,2,3-cd)pyrene	276	17.501	17.501	(1.062)	1132718	50.0000	51
78 Dibenzo(a,h)anthracene	278	17.522	17.522	(1.063)	968085	50.0000	51
79 Benzo(g,h,i)perylene	276	17.730	17.730	(1.076)	985937	50.0000	50

11/12/07
JS

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7010.D

Date : 09-NOV-2007 09:56

Client ID: DFTPP3P

Instrument: S3.i

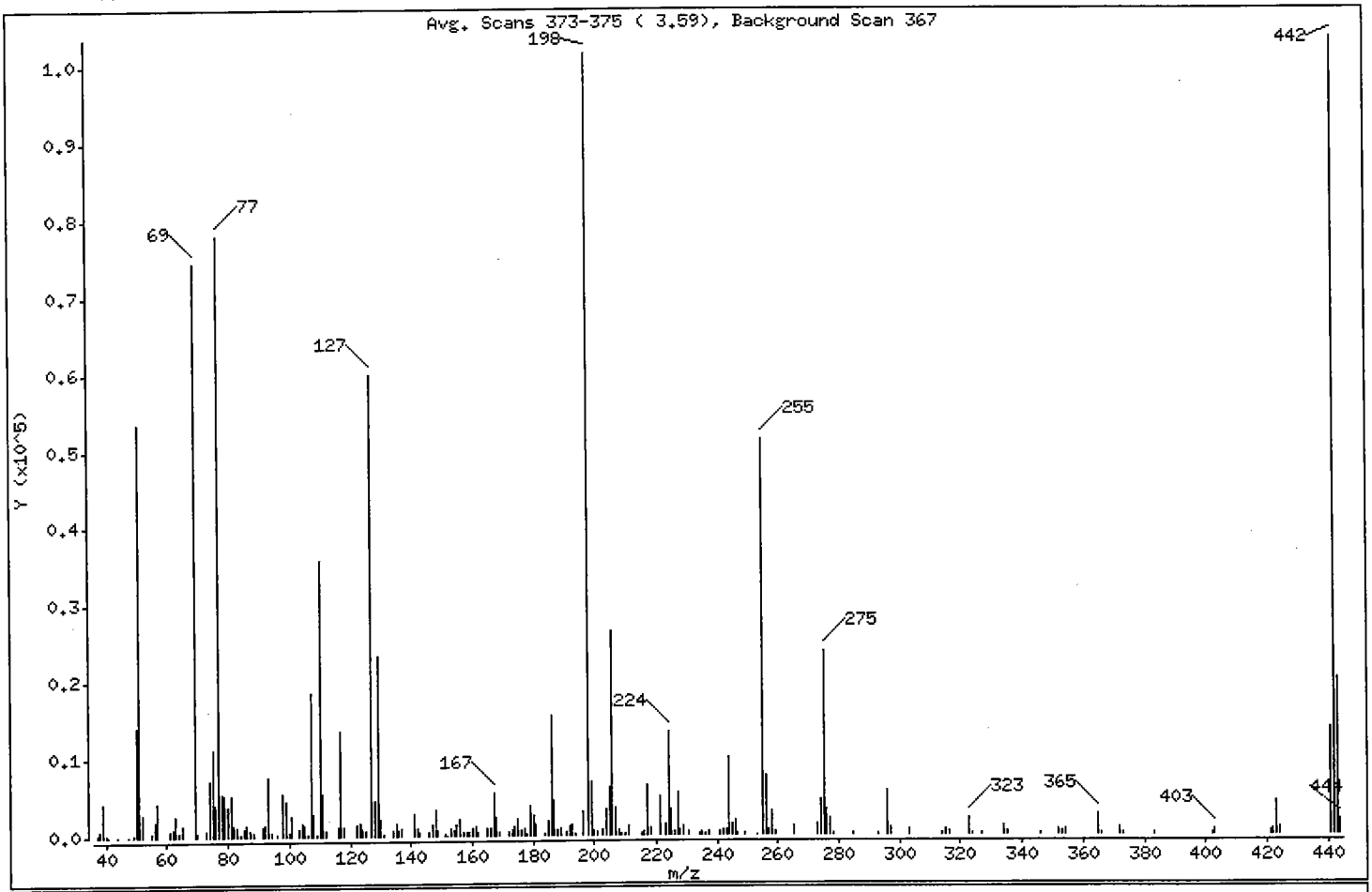
Sample Info: DFTPP3P,DFTPP3P

Operator: CLM SRC: CLM

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	52.54
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	73.13
70	Less than 2.00% of mass 69	0.45 (0.62)
127	25.00 - 75.00% of mass 198	58.86
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.92
275	10.00 - 30.00% of mass 198	23.53
365	Greater than 0.75% of mass 198	2.62
441	Present, but less than mass 443	13.54
442	40.00 - 110.00% of mass 198	101.78
443	15.00 - 24.00% of mass 442	20.03 (19.68)

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7010.D

Date : 09-NOV-2007 09:56

Client ID: DFTPP3P

Instrument: S3.i

Sample Info: DFTPP3P,DFTPP3P

Operator: CLM SRC: CLM

Column phase: DB-5MS

Column diameter: 0.25

Data File: S3E7010.D
Spectrum: Avg. Scans 373-375 (3.59), Background Scan 367
Location of Maximum: 442.00
Number of points: 200

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	352	108.00	2865	178.00	278	247.00	343
38.00	811	109.00	226	179.00	3780	249.00	262
39.00	4388	110.00	35840	180.00	2659	253.00	110
40.00	328	111.00	5431	181.00	1318	255.00	51344
41.00	90	112.00	706	184.00	357	256.00	7672
44.00	80	116.00	1102	185.00	1973	257.00	650
47.00	38	117.00	13639	186.00	15506	258.00	3050
49.00	344	118.00	1156	187.00	4429	259.00	454
50.00	14135	122.00	1340	188.00	733	265.00	1100
51.00	53488	123.00	1768	189.00	967	273.00	1508
52.00	2777	124.00	842	191.00	433	274.00	4655
55.00	496	125.00	745	192.00	1170	275.00	23952
56.00	1818	127.00	59920	193.00	1389	276.00	3237
57.00	4228	128.00	4526	194.00	209	277.00	2149
61.00	818	129.00	23304	196.00	3145	278.00	358
62.00	873	130.00	2037	198.00	101808	285.00	332
63.00	2549	131.00	273	199.00	7042	293.00	344
64.00	401	134.00	613	200.00	615	296.00	5707
65.00	1369	135.00	1764	201.00	530	297.00	846
69.00	74456	136.00	707	203.00	760	303.00	720
70.00	461	137.00	943	204.00	3277	314.00	239
73.00	716	141.00	2769	205.00	6150	315.00	673
74.00	7062	142.00	1012	206.00	26584	316.00	411
75.00	11230	143.00	585	207.00	3547	323.00	2091
76.00	4069	146.00	534	208.00	828	324.00	309
77.00	78176	147.00	1427	209.00	243	327.00	278
78.00	5487	148.00	3310	210.00	299	334.00	1309
79.00	5210	149.00	675	211.00	1088	335.00	385
80.00	3922	151.00	233	215.00	213	346.00	322
81.00	5265	152.00	106	216.00	549	352.00	608
82.00	1334	153.00	855	217.00	6477	353.00	429
83.00	1308	154.00	746	218.00	844	354.00	688
84.00	218	155.00	1531	221.00	5100	365.00	2670
85.00	1043	156.00	2251	223.00	1406	366.00	306
86.00	1439	157.00	447	224.00	13256	372.00	958

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7010.D

Date : 09-NOV-2007 09:56

Client ID: DFTPP3P

Instrument: S3.i

Sample Info: DFTPP3P,DFTPP3P

Operator: CLM SRC: CLM

Column phase: DB-5MS

Column diameter: 0.25

Data File: S3E7010.D
Spectrum: Avg. Scans 373-375 (3.59), Background Scan 367
Location of Maximum: 442.00
Number of points: 200

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	759	158.00	532	225.00	3375	373.00	131
88.00	423	159.00	378	226.00	374	383.00	228
91.00	1278	160.00	881	227.00	5531	402.00	335
92.00	1374	161.00	1295	228.00	813	403.00	608
93.00	7674	162.00	402	229.00	1094	421.00	536
94.00	596	165.00	1048	231.00	457	422.00	645
96.00	273	166.00	930	234.00	261	423.00	4347
98.00	5558	167.00	5395	235.00	399	424.00	924
99.00	4611	168.00	2472	236.00	243	441.00	13784
100.00	443	169.00	476	237.00	398	442.00	103616
101.00	2651	172.00	472	241.00	371	443.00	20392
103.00	975	173.00	631	242.00	751	444.00	1890
104.00	1670	174.00	1109	243.00	664		
105.00	1462	175.00	2154	244.00	10143		
106.00	189	176.00	666	245.00	1498		
107.00	18552	177.00	1023	246.00	2001		

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071109.B\S3E7010.D

Date : 09-NOV-2007 09:56

Client ID: DFTPP3P

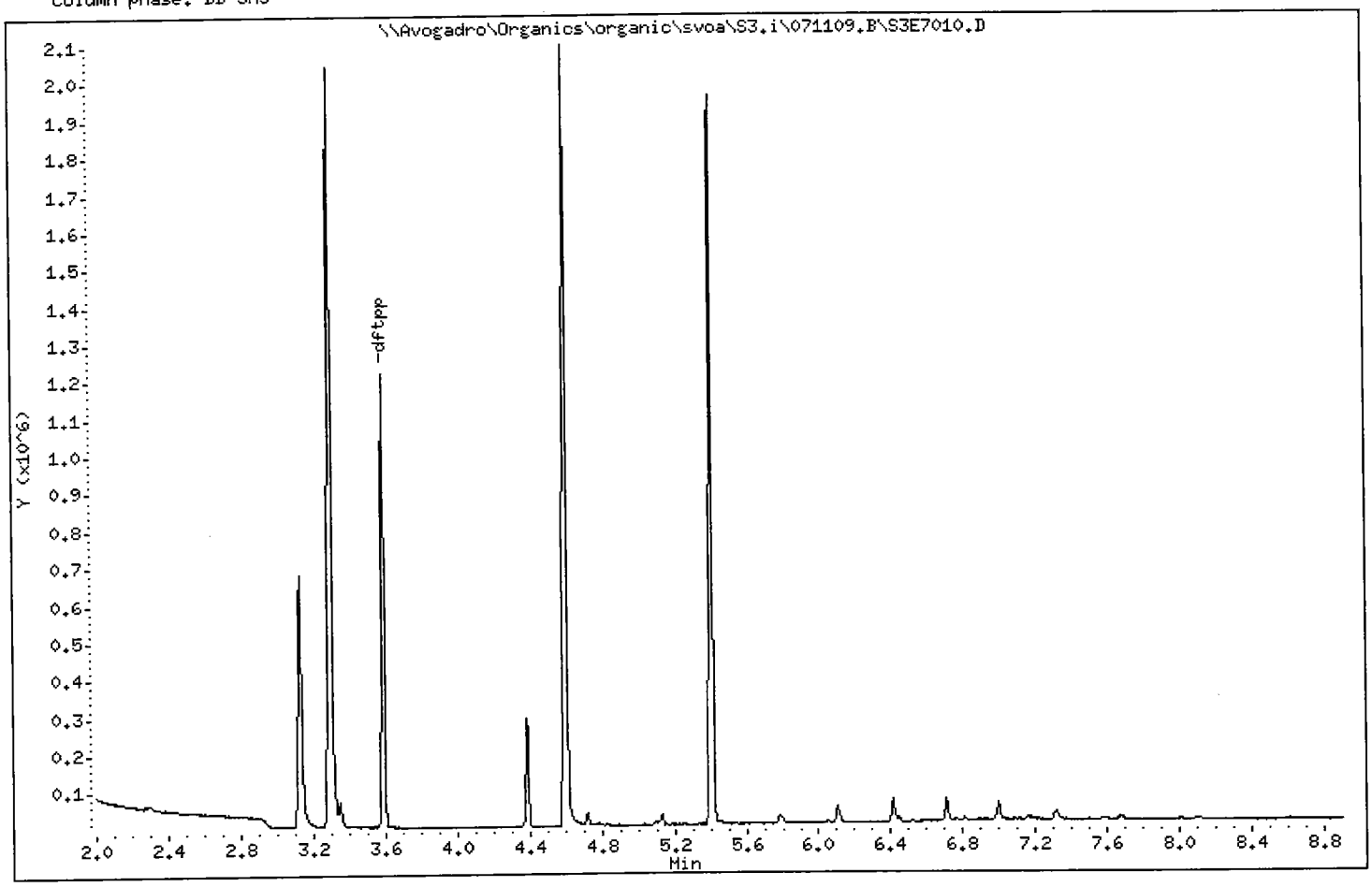
Instrument: S3.i

Sample Info: DFTPP3P,DFTPP3P

Operator: CLH SRC: CLH

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7080.D

Date : 11-NOV-2007 21:45

Client ID: DFTPP3U

Instrument: S3.i

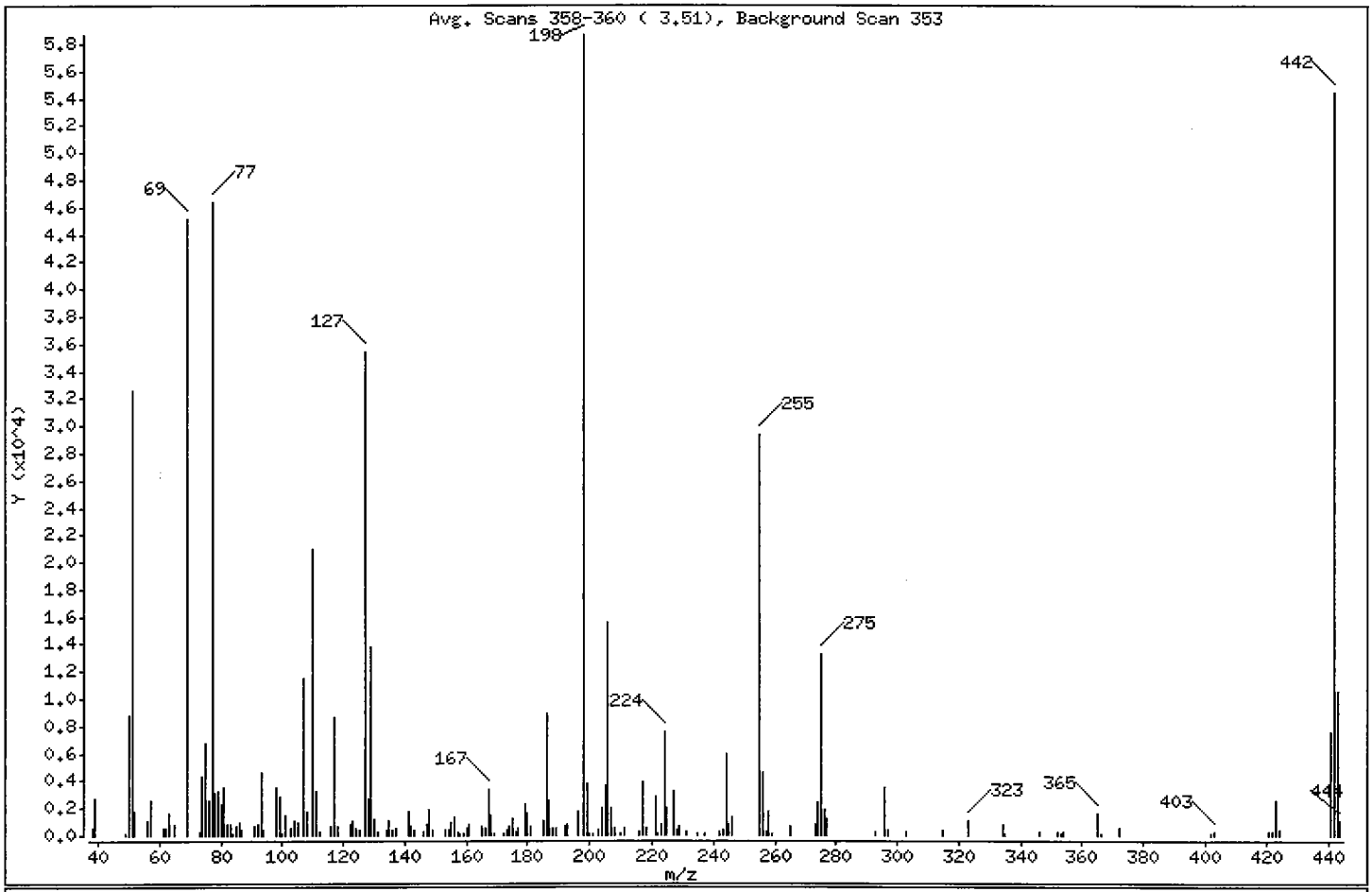
Sample Info: DFTPP3U,DFTPP3U

Operator: CLM SRC: CLM

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	55.47
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	76.92
70	Less than 2.00% of mass 69	0.00 (0.00)
127	25.00 - 75.00% of mass 198	60.41
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.52
275	10.00 - 30.00% of mass 198	22.49
365	Greater than 0.75% of mass 198	2.73
441	Present, but less than mass 443	12.80
442	40.00 - 110.00% of mass 198	92.95
443	15.00 - 24.00% of mass 442	18.04 (19.41)

Date : 11-NOV-2007 21:45

Client ID: DFTPP3U Instrument: S3.i

Sample Info: DFTPP3U,DFTPP3U

Operator: CLM SRC: CLM

Column phase: DB-5MS Column diameter: 0.25

Data File: S3E7080.D
Spectrum: Avg. Scans 358-360 (3.51), Background Scan 353
Location of Maximum: 198.00
Number of points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	547	111.00	3216	175.00	1204	244.00	5913
39.00	2676	112.00	283	176.00	262	245.00	777
49.00	124	116.00	670	177.00	569	246.00	1315
50.00	8746	117.00	8702	179.00	2246	255.00	29336
51.00	32552	118.00	722	180.00	1580	256.00	4562
52.00	1755	122.00	768	181.00	741	257.00	290
56.00	1117	123.00	1088	185.00	1121	258.00	1825
57.00	2634	124.00	484	186.00	8925	259.00	106
61.00	474	125.00	448	187.00	2626	265.00	641
62.00	558	127.00	35456	188.00	476	273.00	843
63.00	1571	128.00	2656	189.00	595	274.00	2463
65.00	871	129.00	13804	192.00	718	275.00	13197
69.00	45144	130.00	1174	193.00	843	276.00	1837
73.00	262	131.00	213	196.00	1814	277.00	1191
74.00	4273	134.00	366	198.00	58688	293.00	221
75.00	6814	135.00	1081	199.00	3829	296.00	3483
76.00	2516	136.00	387	200.00	126	297.00	369
77.00	46432	137.00	532	201.00	122	303.00	324
78.00	3124	141.00	1729	203.00	436	315.00	412
79.00	3205	142.00	614	204.00	2020	323.00	1079
80.00	2342	143.00	371	205.00	3650	334.00	786
81.00	3550	146.00	216	206.00	15512	335.00	105
82.00	761	147.00	790	207.00	2092	346.00	242
83.00	816	148.00	1880	208.00	544	352.00	267
84.00	168	149.00	395	210.00	103	353.00	118
85.00	626	153.00	401	211.00	587	354.00	285
86.00	1003	154.00	398	216.00	280	365.00	1601
87.00	435	155.00	893	217.00	3978	366.00	104
91.00	669	156.00	1332	218.00	502	372.00	596
92.00	764	157.00	228	221.00	2861	402.00	109
93.00	4568	158.00	125	222.00	118	403.00	271
94.00	352	159.00	102	223.00	816	421.00	268
98.00	3490	160.00	531	224.00	7594	422.00	257
99.00	2870	161.00	769	225.00	2044	423.00	2505
100.00	105	165.00	639	227.00	3312	424.00	463

Date : 11-NOV-2007 21:45

Client ID: DFTPP3U Instrument: S3.i

Sample Info: DFTPP3U,DFTPP3U

Operator: CLM SRC: CLM

Column phase: DB-5MS Column diameter: 0.25

Data File: S3E7080.D
Spectrum: Avg. Scans 358-360 (3.51), Background Scan 353
Location of Maximum: 198.00
Number of points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
101.00	1552	166.00	477	228.00	436	441.00	7511
103.00	523	167.00	3402	229.00	641	442.00	54552
104.00	1048	168.00	1463	231.00	212	443.00	10588
105.00	923	169.00	115	235.00	102	444.00	1016
107.00	11476	172.00	126	237.00	101		
108.00	1777	173.00	394	242.00	330		
110.00	21024	174.00	646	243.00	371		

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7080.D

Date : 11-NOV-2007 21:45

Client ID: DFTPP3U

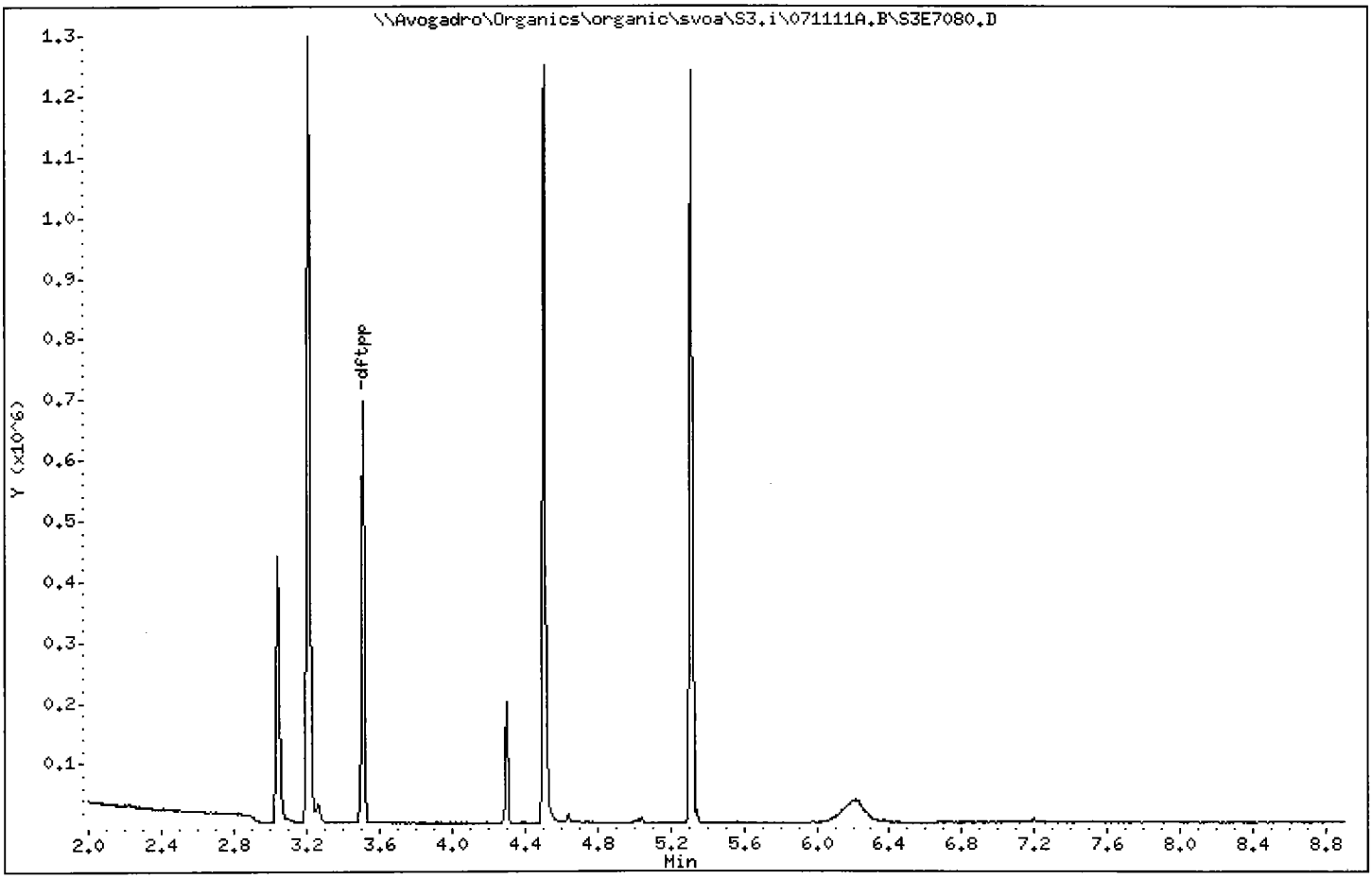
Instrument: S3.i

Sample Info: DFTPP3U,DFTPP3U

Operator: CLM SRC: CLM

Column phase: DB-5MS

Column diameter: 0.25



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3Z

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7090.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume: 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume: 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3Z

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7090.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3Z

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7090.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

EPA SAMPLE NO.

SBLK3Z

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: MB-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7090.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

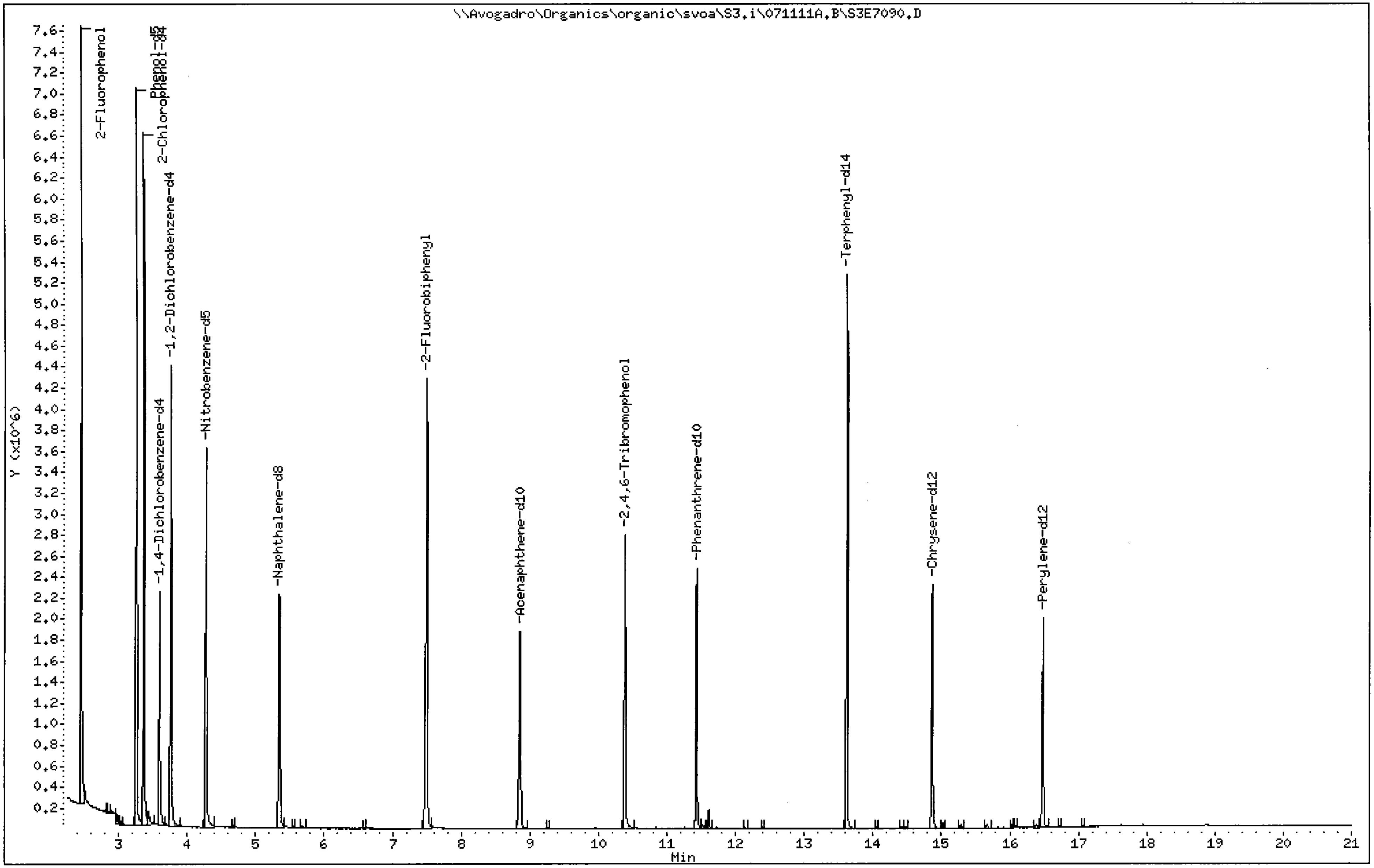
Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7090.D
Date : 12-NOV-2007 02:36
Client ID: SBLK3Z
Sample Info: MB-33143,SBLK3Z,33143
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i
Operator: CLM SRC: LIMS
Column diameter: 0.25



Data File: S3E7090.D
Report Date: 12-Nov-2007 12:32

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7090.D
Lab Smp Id: MB-33143 Client Smp ID: SBLK3Z
Inj Date : 12-NOV-2007 02:36
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : MB-33143,SBLK3Z,33143
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\s3_olm4_2_S.m
Meth Date : 12-Nov-2007 12:32 S3.i Quant Type: ISTD
Cal Date : 11-NOV-2007 22:04 Cal File: S3E7081.D
Als bottle: 17 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

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	2.000	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)
$ 1 2-Fluorophenol	112	2.456	2.446	(0.683)	1904672	136.385	68
$ 3 Phenol-d5	99	3.257	3.248	(0.906)	2676631	141.292	71
$ 6 2-Chlorophenol-d4	132	3.364	3.360	(0.936)	1721236	140.682	70
* 8 1,4-Dichlorobenzene-d4	152	3.594	3.595	(1.000)	350384	40.0000	
$ 9 1,2-Dichlorobenzene-d4	152	3.760	3.761	(1.046)	708381	87.5203	44
$ 16 Nitrobenzene-d5	82	4.278	4.273	(0.801)	1822170	94.1903	47
* 23 Naphthalene-d8	136	5.341	5.347	(1.000)	1450662	40.0000	
$ 33 2-Fluorobiphenyl	172	7.494	7.489	(0.847)	2184801	89.1219	45
* 41 Acenaphthene-d10	164	8.851	8.857	(1.000)	727395	40.0000	
$ 53 2,4,6-Tribromophenol	330	10.389	10.385	(0.909)	340470	147.198	74
* 58 Phenanthrene-d10	188	11.431	11.432	(1.000)	1056980	40.0000	
$ 65 Terphenyl-d14	244	13.621	13.617	(0.916)	2078157	107.512	54
* 69 Chrysene-d12	240	14.866	14.872	(1.000)	894635	40.0000	
* 76 Perylene-d12	264	16.485	16.486	(1.000)	780938	40.0000	

11/12/07
JS

KL

Data File: S3E7090.D
Report Date: 12-Nov-2007 12:32

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7090.D
Lab Smp Id: MB-33143 Client Smp ID: SBLK3Z
Inj Date : 12-NOV-2007 02:36
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : MB-33143,SBLK3Z,33143
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\s3_olm4_2_S.m
Meth Date : 12-Nov-2007 12:32 S3.i Quant Type: ISTD
Cal Date : 11-NOV-2007 22:04 Cal File: S3E7081.D
Als bottle: 17 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3ZLCS

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1606

Matrix: (soil/water) WATER Lab Sample ID: LCS-33143

Sample wt/vol: 1000 (G/ML) ML Lab File ID: S3E7091.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	64	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	66	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	43	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	66	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3ZLCS

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: LCS-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7091.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	41	
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	75	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	42	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	71	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	31	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3ZLCS

Lab Name: Mitkem Corporation | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MF1606

Matrix: (soil/water) WATER | Lab Sample ID: LCS-33143

Sample wt/vol: 1000 (G/ML) ML | Lab File ID: S3E7091.D

Level: (low/med) LOW | Date Received:

% Moisture: not dec. | Date Extracted: 11/07/2007

Concentrated Extract Volume 1000 (µL) | Date Analyzed: 11/12/2007

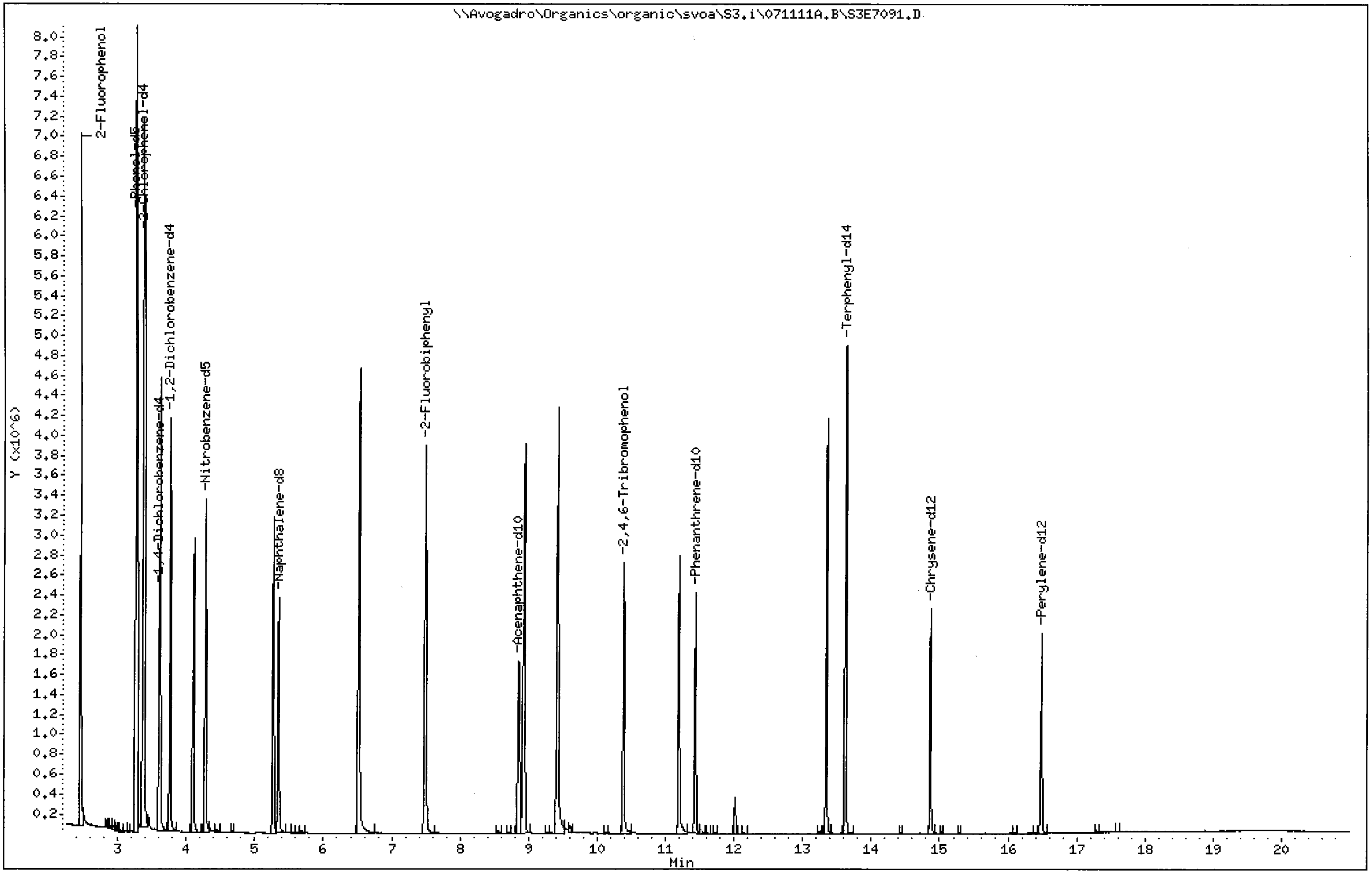
Injection Volume 2.0 (µL) | Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Data File: \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7091.D
Date : 12-NOV-2007 03:07
Client ID: S3ZLCS
Sample Info: LCS-33143,S3ZLCS,33143
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: LIMS
Column diameter: 0.25



Data File: S3E7091.D
Report Date: 12-Nov-2007 11:55

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\S3E7091.D
Lab Smp Id: LCS-33143 Client Smp ID: S3ZLCS
Inj Date : 12-NOV-2007 03:07
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : LCS-33143,S3ZLCS,33143
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\071111A.B\s3_olm4_2_S.m
Meth Date : 12-Nov-2007 11:53 S3.i Quant Type: ISTD
Cal Date : 11-NOV-2007 22:04 Cal File: S3E7081.D
Als bottle: 18 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14
Processing Host: TARGET101

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	2.000	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)
$	1 2-Fluorophenol	112	2.454	2.446	(0.682)	1739695	127.987	64
$	3 Phenol-d5	99	3.260	3.248	(0.906)	2498371	135.498	68
	4 Phenol	94	3.276	3.264	(0.911)	2436250	128.283	64
$	6 2-Chlorophenol-d4	132	3.367	3.360	(0.936)	1588251	133.372	67
	7 2-Chlorophenol	128	3.383	3.376	(0.941)	1662482	132.938	66
*	8 1,4-Dichlorobenzene-d4	152	3.597	3.595	(1.000)	341034	40.0000	(Q)
$	9 1,2-Dichlorobenzene-d4	152	3.763	3.761	(1.046)	659352	83.6962	42
	14 N-Nitroso-di-n-propylamine	70	4.104	4.103	(1.141)	1060491	86.3345	43(Q)
$	16 Nitrobenzene-d5	82	4.275	4.273	(0.800)	1661705	89.7212	45
*	23 Naphthalene-d8	136	5.344	5.347	(1.000)	1388808	40.0000	
	28 4-Chloro-3-Methylphenol	107	6.519	6.539	(1.220)	1642742	132.444	66
$	33 2-Fluorobiphenyl	172	7.491	7.489	(0.846)	2002179	85.6176	43
*	41 Acenaphthene-d10	164	8.854	8.857	(1.000)	693877	40.0000	
	42 Acenaphthene	153	8.934	8.932	(1.009)	1670015	81.6900	41
	44 4-Nitrophenol	109	9.425	9.413	(1.065)	509825	150.077	75(QR)
	46 2,4-Dinitrotoluene	165	9.425	9.418	(1.065)	607432	83.4952	42
$	53 2,4,6-Tribromophenol	330	10.387	10.385	(0.908)	336059	145.999	73
	57 Pentachlorophenol	266	11.193	11.197	(0.979)	347580	141.975	71
*	58 Phenanthrene-d10	188	11.434	11.432	(1.000)	1051856	40.0000	
	64 Pyrene	202	13.346	13.344	(0.898)	1997414	62.2987	31

Data File: S3E7091.D
Report Date: 12-Nov-2007 11:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 65 Terphenyl-d14	244	13.624	13.617	(0.917)	1940672	99.8513	50
* 69 Chrysene-d12	240	14.863	14.872	(1.000)	899548	40.0000	
* 76 Perylene-d12	264	16.482	16.486	(1.000)	781376	40.0000	

QC Flag Legend

11/12/07
JS

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

KC

MITKEM CORPORATION: ORGANIC ...

Date: 11-7-07 | Analysis: OLM SVOA | Method: AQ: 3510C(SepF) 3520C(Liq/Liq) (circled) Other:______ Soil: 3540C(Soxhlet) 3550B(Sonic) | Sample Matrix: Aqueous (circled) Soil Other: | Date/Time Started: 11-7-07 15:00

Blank ID: MB 33143 | LCS ID: 33143 | Analyst: Roy | Spiked by: PK | Witness: Roy | Solvent: CH_2Cl_2 Lot # E37E94 | Acid Lot # OPW071016B | GPC # | Date/Time Ended: 11-8-07 09:00

Lab ID	Bottle #	Wt(g) Vol(mL) Extracted	Surrogate Added(uL)	Matrix Spike Added(uL)	Initial pH	RV/KD prior to GPC Date/Analyst	Vol. pre GPC	GPC Date/Analyst	RV/KD after GPC Date/Analyst		Final Extract Vol.(mL)	Date Ext. Trans.
MB33143	—	1000	OSW070911A 1ML	—	7.0				11/10/07	MW	1	11/10/07
LCS33143	—	↓	↓	OSW070912A 1ML	7.0	NA 11/10/07 MW			↓	↓	↓	↓
F1606-01B	1	↓	↓	—	7.9				11/10/07	MW	1	11/10/07
F1606-02B	1	1000	OSW070911A 1ML	—	7.4							

11-7-07 Roy

Comments

Sodium Sulfate Lot #:

L/L Drip Rate: NA

Soxhlet Cycle/Hour NA

Sonicator Tuned: Yes / No

Reviewed By: KD 11/13/07

Logbook ID: 50.0173-07/07

0187

Mitkem Corporation
Semivolatiles Laboratory

Instrument S3 Injection Log

METHOD: OLM+TA
ICAL DATE: 11/09/07

ANALYST: BM
EMV: 1635

BATCH: 071109.B

Start: 09-NOV-07 09:56
End: 09-NOV-07 12:34

Comments: IS - SI071025A

Tune - SW070919A
L1 - SW071109A
L2 - SW071109B
L3 - SW071109C
L4 - SW071109D
L5 - SW071109E

GOLD SEAL - CLEAN
LINER - CLEAN
CLIPPED COLUMN - YES

Reviewed By: BM 11/9/07

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
S3E7010	09:56	DFTPP3P	DFTPP3P																	1		OK
S3E7011	10:15	SSTD0503P	SSTD0503P		AQ	100	100	100	100	100	100									1		OK
S3E7012	11:03	SSTD0203P	SSTD0203P		AQ	93	93	93	89	88	84									1		OK
S3E7013	11:33	SSTD1603P	SSTD1603P		AQ	92	94	97	99	102	112									1		OK
S3E7014	12:04	SSTD0803P	SSTD0803P		AQ	83	86	89	92	97	98									1		OK
S3E7015	12:34	SSTD1203P	SSTD1203P		AQ	91	94	97	98	100	108									1		OK

10AC

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

11/09/07 BM

Mitkem Corporation
Semivolatiles Laboratory

Instrument S3 Injection Log

METHOD: OLM
ICAL DATE: 11/09/07

ANALYST: BM
EMV: 1635

BATCH: 071111A.B

Start: 11-NOV-07 21:45
End: 12-NOV-07 04:07

Comments: IS - SI0711025A

Tune - SW070919A
L2 - SW071109B

GOLD SEAL - CLEAN
LINER - CLEAN
CLIPPED COLUMN - YES

Reviewed By: 11/11/07

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
S3E7080	21:45	DFTPP3U	DFTPP3U																	1		OK
S3E7081	22:04	SSTD0503U	SSTD0503U		AQ	100	100	100	100	100	100									1		OK
S3E7082	22:34	MB-33167	SBLK3X	33167	SL	127	123	122	116	111	103	78	77	93	79	74	65	75	75	1		OK
S3E7083	23:04	LCS-33167	S3XLCS	33167	SL	126	125	121	115	110	103	77	77	95	78	75	79	75	77	1		OK
S3E7084	23:35	MB-33166	SBLK3Y	33166	SL	148	147	143	133	129	121	78	76	92	78	76	66	75	77	1		OK
S3E7085	00:05	LCS-33166	S3YLCS	33166	SL	127	127	123	115	111	103	78	77	94	79	75	80	76	77	1		OK
S3E7086	00:35	F1634-13A	LG1SW13	33167	SL	127	126	121	114	108	101	67	66	82	67	64	52	64	65	1		OK
S3E7087	01:06	F1634-05A	LG1SW5	33166	SL	175	174	170	154	151	140	52	50	60	51	48	31	50	49	1		OK
S3E7088	01:36	F1634-06A	LG1SW6	33166	SL	173	169	163	150	143	134	52	52	62	52	50	39	51	51	1		OK
S3E7089	02:06	F1634-08A	LG1SW8	33166	SL	171	169	164	149	143	135	53	52	63	52	50	38	51	50	1		OK
S3E7090	02:36	MB-33143	SBLK3Z	33143	AQ	132	133	129	120	120	116	94	89	108	94	91	98	88	94	1		OK
S3E7091	03:07	LCS-33143	S3ZLCS	33143	AQ	128	127	123	119	121	116	90	86	100	90	85	97	84	89	1	R	OK
S3E7092	03:37	F1606-01B	030/MWDAY-03	33143	AQ	123	121	119	112	116	112	85	81	87	84	81	98	77	84	1		OK
S3E7093	04:07	F1606-02B	031/MWDAY-04	33143	AQ	138	132	132	133	142	125	87	83	54	82	82	100	80	84	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 limits
D - Surrogates are diluted

11/12/07 BM

S3E7S

MITKEM CORPORATION

Sample Receiving Logbook

Workorder No. F1606

Client Name: Day

Date Recv'd 11/02/07 **Sample #s** 01-02 **Storage Locations:** VOA N2 VEG

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: 11-7-07	Init: KP	Date: 11-7-07	Init: ROY	Date: 11-7-07	Init: ROY	Date: 11-7-07	Init: KP
Samp. #s 01B, 02B				EMPTY			
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							
Date:	Init:	Date: 11/12/07	Init: PS	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: PS 11/12/07

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
11/09/07	F1572	13A	DK	BM	R7-92	
	F1572	14A				
	F1598	11A				
	F1598	12A				
11/09/07	F1598	13A	DK			
11/10/07	MB 33158	-	MW			
↓	LCS 33158	-				
11/10/07	LCSD 33158	-	↓			
	MB 33143	-	MW	BM	SLP-R7-61	
	LCS 33143	-				
	F1606 -	01B				
	F1606 -	02B			R7-92	
	MB 33142	-				
	LCS 33142	-				
	LCSD 33142	-				
	F1611 -	01B				
	MB 33201	-		SW	SLP-R7-61	
	F1646 -	02A				
	F1650 -	01A				
	MB 33196	-				
	F1648 -	01B				
	↓	04A				
	F1648 -	05B				
↓	MB 33195	-	↓	↓	↓	
11/10/07	F1646 -	01A	MW	—	—	
11/12/07	F1586 -	01A				
↓	↓	02A				
		03A				
		04A				
		05A				
		06A				
		07A				
↓	↓	08A	↓			
11/12/07	F1586 -	10A	MW			

11/12/07 PS

11/12/07 PS

Logbook ID 70.0141-09/07

Reviewed By: YD 11/13/07

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