Roy F. Weston, Inc.
Suite 500
750 East Bunker Court
Vernon Hills, IL 60061-1450
847-918-4000 • Fax 847-918-4055
www.rfweston.com

11 January 2002

Mr. James Innes
Michigan Department of Environmental Quality
Shiawassee District Headquarters
10650 Bennett Drive
Morrice, MI 48857-9792

Work Order No.: 01138.079.003

Re: Second Annual Groundwater Sampling and Methane Monitoring
Linden Road Landfill Site
Flint Township, Michigan

Dear Mr. Innes:

Roy F. Weston, Inc. (WESTON®), on behalf of General Motors Corporation (GM), has completed the second annual groundwater sampling and methane monitoring activities at the Linden Road Landfill site located in Flint Township, Michigan. The groundwater sampling was performed to evaluate the groundwater quality after the placement of the soil cover system in Parcel # 1, as required by the Operation and Maintenance (O&M) Plan for the Linden Road Landfill site dated April 1999. The baseline groundwater sampling and the initial methane monitoring activities were completed in October 1999 and the findings were documented in a report dated 20 December 1999 submitted to the Michigan Department of Environmental Quality (MDEQ). The results of the first annual groundwater sampling even were documented in a letter report to MDEQ dated 9 January 2001.

The following letter report presents the results of the second annual groundwater sampling and methane monitoring activities.

Groundwater Sampling

WESTON personnel conducted groundwater sampling on 11 October 2001. The groundwater samples were collected from each of the nine (MW-1S, MW-3S, MW-5S, MW-6S, MW-7S, MW-10S, MW-11S, MW-12S, and MW-13S) shallow groundwater-monitoring wells on site. A groundwater sample was not collected from Piezometer PZ-01, as it did not contain sufficient water for sampling.

The attached Figure 1 shows the locations of all the groundwater-monitoring wells. A single groundwater sample was collected from each of the nine shallow groundwater-monitoring wells. A Field Duplicate sample was also collected from Monitoring Well MW-5S for quality assurance/quality control (QA/QC) purposes. All sampling and shipping procedures were consistent with those established in the sampling plan for the site. Temperature, conductivity,

and pH measurements were recorded during sampling. A minimum of three times the volumes of water present in each well were purged prior to sampling.

Merit Laboratories of East Lansing, Michigan (formerly Fire & Environmental Consulting Laboratories, Inc. [FECL]) analyzed the samples for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), "Michigan Ten Metals," and polychlorinated biphenyls (PCBs). A WESTON chemist, in accordance with applicable United States Environmental Protection Agency (U.S. EPA) procedures, validated the analytical data.

The attached Table 1 presents a summary of all the detected constituents and their respective concentrations for each sample. A copy of the complete laboratory report, including Laboratory QA/QC data and the chain-of-custody documentation, is presented as Attachment A. Table 1 also compares the concentrations of the detected constituents in the groundwater samples to the MDEQ Generic Drinking Water Criteria for residential and industrial/commercial categories.

Among the VOCs detected, the concentrations of trichloroethene, and cis-1, 2-dichloroethene in wells MW-1S and MW-5S (including the duplicate sample MW-5S Dup) exceeded the MDEQ Generic Drinking Water Criteria for Residential and Industrial/Commercial properties. It should be noted that both the monitoring wells MW-1S and MW-5S are located along the western property boundary and in the upgradient direction. Presence of VOCs in these wells has been documented in past sampling events and is believed to be migrating from the adjacent property to the west. In addition, concentrations of vinyl chloride exceeding the criteria for both residential and industrial/commercial properties were present in the samples from wells MW-1S, MW-3S, MW-5S, and the duplicate sample, MW-5S Dup.

SVOCs were not detected in any of the samples.

As shown in Table 1, trace concentrations of barium, zinc, and arsenic were detected in several samples. None of the detected metal concentrations exceeded MDEQ Generic Drinking Water Criteria.

PCBs were not detected in any of the samples.

Methane Monitoring

During this sampling event, WESTON also screened the methane monitoring wells (M-1, M-2, M-3, M-4) shown in Figure 1 for methane gas. Methane screening was conducted using a combustible gas indicator (CGI), which measures the concentration of potential explosive gases based on the percentage of lower explosive limit (LEL). Screening results indicated that well M-1 registered an LEL reading of 10 % CGI. The LEL for all the remaining wells were zero percent.

Recommendations

In order to address the apparent low level exceedance of vinyl chloride in Monitoring Well MW-3S and the location of well MW-3S, WESTON, on behalf of GM proposes the following course of action. WESTON will collect and analyze additional samples from Well 3S to monitor the presence and concentration of vinyl chloride in this well. The samples will be analyzed for VOCs. This additional sampling will be conducted for three consecutive quarters beginning in late January 2001. All sampling, sample handling, and laboratory methods will be consistent with those previously performed. The analytical results for each quarterly sampling event will be forwarded to the MDEQ as soon as they are available.

Based on the results of the additional sampling, WESTON/GM will propose a subsequent course of action as appropriate. A notice of Migration of Contamination (Form EQP4482) will be submitted to MDEQ if the findings of the sampling proposed herein necessitate such action.

If you have any questions or require additional information, please call me at (847) 918-4018.

Very truly yours,

ROY F. WESTON, INC.

S. Babusukumar, P.G.
Project Manager

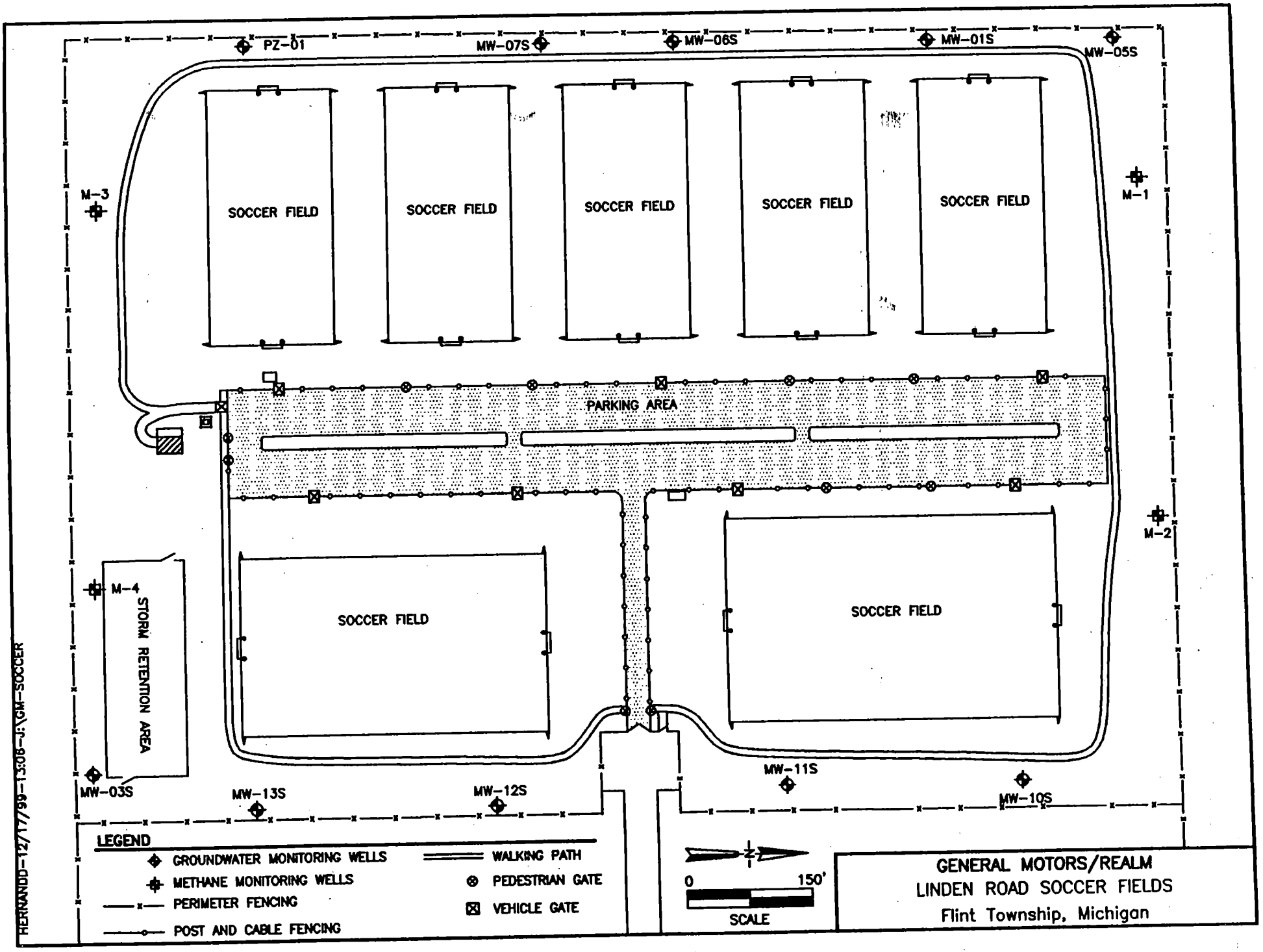
cc: R. Metcalf, GM

Table 1

Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria
Groundwater Sampling Analytical Results
Linden Road Site
October 2001
(All Concentrations in mg/L)

Compound	MW-1S	MW-3S	MW-5S	MW-5S-Dup	MW-6S	MW-7S	MW-10S	MW-11S	MW-12S	MW-13S	MDEQ Generic Drinking Water Criteria	
VOCs											Residential	Industrial/ Commercial
Trichloroethene	0.08	ND	0.36	0.38	ND	ND	0.002	ND	ND	ND	0.005	0.005
1,1-Dichloroethane	ND	0.021	ND	ND	ND	ND	0.007	ND	ND	ND	0.88	2.5
cis-1,2-Dichloroethene	0.17	0.035	0.09	0.09	ND	ND	0.004	ND	ND	ND	0.07	0.07
1,2-Dichloropropane	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	0.005	0.005
Trans-1,2-Dichloroethene	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	0.100	0.100
Toulene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.790	0.790
Vinyl Chloride	0.02	0.023	0.02	0.03	ND	ND	ND	ND	ND	ND	0.002	0.002
Total Metals												
Barium	0.08	0.14	0.16	0.16	0.03	0.02	0.03	0.34	0.13	0.10	2.0	2.0
Zinc	ND	0.01	ND	ND	0.02	0.01	0.01	0.01	0.02	0.09	2.4	5.0
Arsenic	0.001	0.006	ND	ND	0.002	0.004	0.022	0.019	0.007	0.001	0.05	0.05
Cadmium	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	0.005	0.005

ND = Compound not detected above the laboratory method detection limit.
-- = No criteria available.
* = Duplicate of MW-1S.
Note: = Samples were also analyzed for PCBs, but were not detected.
= Shaded areas indicate that concentrations exceed MDEQ Generic Drinking Water Criteria.


PZ-01
MW-07S
MW-06S
MW-01S
MW-05S
M-3
M-1
M-2
M-4
SOCCER FIELD
SOCCER FIELD
SOCCER FIELD
SOCCER FIELD
SOCCER FIELD
PARKING AREA
SOCCER FIELD
SOCCER FIELD
STORM RETENTION AREA
MW-03S
MW-13S
MW-12S
MW-11S
MW-10S
LEGEND
GROUNDWATER MONITORING WELLS
METHANE MONITORING WELLS
PERIMETER FENCING
POST AND CABLE FENCING
WALKING PATH
PEDESTRIAN GATE
VEHICLE GATE
0
150'
SCALE
GENERAL MOTORS/REALM
LINDEN ROAD SOCCER FIELDS
Flint Township, Michigan
HERNANDD-12/17/99-13:08-J:\GM-SOCCER

ATTACHMENT A

LABORATORY ANALYTICAL RESULTS

Merit Laboratories, Inc.

Quality Control Cover Page

Report ID: S07266.01(01)
Report Date: 10/24/2001
Project: GM Linden Rd. Site
Lab Sample ID(s): S07266.01-S07266.11

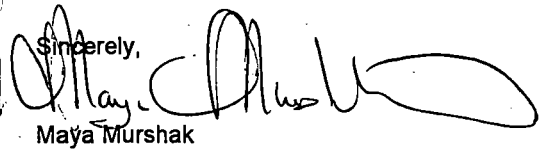
Report to:

Attention: Mr. Babusukumar
Roy F. Weston, Inc.
3 Hawthorne Parkway Ste 400
Vernon Hills, IL 60061

Sample ID	Sample Tag	Collected	Matrix	Analysis Departments
S07266.01	MW-12S	10/11/2001 13:10	Groundwater	Extraction / Prep., Metals, Organics
S07266.02	MW-13S	10/11/2001 13:52	Groundwater	Extraction / Prep., Metals, Organics
S07266.03	MW-3S	10/11/2001 14:23	Groundwater	Extraction / Prep., Metals, Organics
S07266.04	MW-7S	10/11/2001 14:53	Groundwater	Extraction / Prep., Metals, Organics
S07266.05	MW-6S	10/11/2001 15:28	Groundwater	Extraction / Prep., Metals, Organics
S07266.06	MW-5S	10/11/2001 16:00	Groundwater	Extraction / Prep., Metals, Organics
S07266.07	MW-5D	10/11/2001 16:15	Groundwater	Extraction / Prep., Metals, Organics
S07266.08	MW-1S	10/11/2001 16:37	Groundwater	Extraction / Prep., Metals, Organics
S07266.09	MW-10S	10/11/2001 17:16	Groundwater	Extraction / Prep., Metals, Organics
S07266.10	MW-11S	10/11/2001 18:06	Groundwater	Extraction / Prep., Metals, Organics
S07266.11	Trip Blank	10/10/2001 :	Liquid	Organics

This QC package, to the best of my knowledge, is in compliance with all technical and administrative requirements.
If you have any questions, please do not hesitate to contact me at 517-332-0167 (ext. 14) or email me at mmurshak@fec-labs.com.

Sincerely,



Maya Murshak
Chemical Engineer / QA Officer

GM
Project 01130-079-003
Lab Set 7266

All samples were analyzed for volatile organics, semivolatile organics, PCBs, and metals. (Sample 11 was a trip blank that was analyzed for volatile analysis only).

FEC Lab No.	Sample Name	Date Collected
7266.01	MW-12S	10/11/01
7266.02	MW-13S	10/11/01
7266.03	MW-3S	10/11/01
7266.04	MW-7S	10/11/01
7266.05	MW-6S	10/11/01
7266.06	MW-5S	10/11/01
7266.07	MW-5D	10/11/01
7266.08	MW-1S	10/11/01
7266.09	MW-10S	10/11/01
7266.10	MW-11S	10/11/01
7266.11	Trip Blank	10/11/01

General Comment:
All samples were extracted/digested and analyzed within the required holding times.

Volatile Organics:
1. Method Blank:
Acetone was detected in the blank at 2.07. Corresponding sample results less than 20.7 ug/L are flagged as nondetect. All other results were acceptable.

2. Surrogate Recovery
All surrogate recoveries associated with this sample set were within required limits.

3. Matrix Spike/Matrix Spike Duplicate
Batch QC was used for the matrix spike and the duplicate/matrix spike duplicate summary. None of the samples were associated with this sample set. No qualifications are required.

4. Instrument Performance Check
All instrument performance check results are acceptable.

5. Internal Standards
All internal standard recoveries were within the control limits (50 to 200).

6. Calibration Check Compounds
The calibration check compounds indicated acceptable results.

GM
Project 01130-079-003
Lab Set 7266
Cont.

Semivolatiles:

1. Method Blank
The method blank compound was free of contamination.

2. Surrogate Recovery
The following samples had two or more surrogates low outside control limits: 7266-05, 7266-06, 7266-08, and 7266-09. Samples results in these corresponding samples are flagged J for positive results and UJ for nondetects. All other surrogate recoveries were within required control limits.

3. Matrix Spike
All MS (LCS) recoveries were within required control limits.

4. Instrument Performance Check
All performance check results are acceptable. The performance compound check was acceptable.

5. Internal Standards
All internal standard recoveries were within the control limits (50 to 200).

6. Calibration Check Compounds
The calibration check compounds indicated acceptable results.

PCBs

1. Method Blank
The method blanks are free of contamination.

2. Surrogate Recovery
All surrogate recoveries were acceptable.

3. Matrix Spike/Matrix Spike Duplicate
The MS/MSD was batch QC and was not associated with samples from this sample set. All MS/MSD recoveries were acceptable.

4. Initial Calibration
Calibration and verification data is acceptable.

GM
Project 01130-079-003
Lab Set 7266
Cont.

Metals

1. Matrix Spike/Matrix Spike Duplicate
All MS/MSD recoveries were within the required control limits.

2. Relative Percent Difference
All %RPDs were acceptable.

3. Calibration
Initial calibration verification and blanks showed acceptable responses. The continuing calibration verifications and blanks indicated acceptable responses.

4. Laboratory Control Sample
All laboratory control sample results were within required ranges.

Lead

1. Matrix Spike/Matrix Spike Duplicate
All recoveries were acceptable.

2. Laboratory Control Sample
All laboratory control sample results were within control limits.

3. Initial and continuing calibration
The ICV and CCV recoveries were within the required control limits.

Data Reviewed by: T. Balla Date: 11/28/01

Merit Laboratories, Inc.
formerly FEC Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333

C.O.C. PAGE # 1 OF 1

007619

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Babusukumar
COMPANY: Roy F. Weston, Inc.
ADDRESS: 3 Hawthorn Parkway, Suite 400
CITY: Vernon Hills STATE: IL ZIP CODE: 60061
PHONE NO.: 847-918-4000 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY: same
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM - Linden Rd Site
SAMPLER(S) - PLEASE PRINT NAME: Michelle Wersabad / Kirk Lapham

PRESERVATIVE CODE: E B A A
REFRIGERATE (Y/N): Y Y Y Y
BOTTLE TYPE: 2-40ml VOA; 1 plastic metals; 1 amber SVOCs; 1 amber PCB

SAMPLE TYPE: GW ☒ WW ☐ OIL ☐ SOIL ☐ PRODUCT ☐ SLUDGE ☐ OTHER _____

A = NONE
B = HNO_3
C = H_2SO_4
D = NaOH
E = HCL
F = _____

RUSH ANALYSES ☐ DUE DATE _____
RUSH PICK-UP ☐ APPROVED BY: _____

MERIT LAB NO.	SAMPLE COLLECTION YEAR: DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	# OF BOTTLES	ANALYSES
7266.01	10.11.01	1310	MW-12S	5	VOCs, SVOCs, PCBs, "MI metals"
02	10.11.01	1352	MW-13S	5	
03	10.11.01	1423	MW-3S	5	
04	10.11.01	1453	MW-7S	5	
05	10.11.01	1528	MW-6S	5	
06	10.11.01	1600	MW-5S	5	
07	10.11.01	1615	MW-5D	5	
08	10.11.01	1637	~~MW10S~~ MW-1S	5	
09	10.11.01	1716	MW10S	5	
10	10.11.01	1806	MW-11S	3	Only one amber + one voa filled - well went dry
11			Trip Blank	2	VOCs

RELINQUISHED BY: SIGNATURE ☐ SAMPLER	DATE	TIME	RELINQUISHED BY: SIGNATURE	DATE 10/12/01	TIME 9:45 am
RECEIVED BY: SIGNATURE	DATE	TIME	RECEIVED AT MERIT BY: SIGNATURE	DATE 10.17.01	TIME 9:40 AM
RELINQUISHED BY: SIGNATURE	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY: SIGNATURE	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4°C on ice

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Balla, Tonya

From: Maya Murshak [mmurshak@fec-labs.com]
Sent: Tuesday, November 27, 2001 11:23 AM
To: Balla, Tonya
Subject: Re: Report S07266

7266.PDF

Dear Tanya,

For our reporting limits, I've attached the analytical report in .pdf format.

The detection limit is given in the analytical report for each parameter (PCB or otherwise). For PCBs, the RDL is 0.0001 mg/L. The units for the PCB blank data you refer to are mg/L (extract) or, equivalently, ug/L (water), since 1000 ml of water is used for the blanks. the hits listed on the PCB blank page are all more than 4 times less then the RDL. Also, please note that the "hits" listed for PCBs represent the integration of one of the five characteristic peaks used for quantitation. Therefore, in the absence of 5 repeatable results for a single aroclors, the likelihood of the peak identifications representing PCBs is minimal.

On a related note, the units for the volatile blank detection's are ug/L. The units for the semi volatile organics blank detection are mg/L (extract) or ug/L (water). The units for the metals parameters are listed on the forms.

If you have any other questions, please do not hesitate to contact me.

Sincerely,
Maya

"Balla, Tonya" wrote:

> Maya,
>
> I am reviewing the GM Linden Rd data (7266) for Babu. In looking at the
> method blanks, I am unable to tell what your detection limit or reporting
> limit is so I can determine if there was blank contamination. For example,
> the PCB method blank (analytical batch b011017.1) page 6 of 8 gives the
> concentration of the method blank target compounds. However, I don't have
> enough information to determine the detection or reporting limit. This
> seems to be consistent for all of the parameters. Please let me know how to
> proceed as quickly as possible.
>
> Thanks
> Tonya Balla
> 847 918 4094
> 847 918 4055 fax

Analytical Laboratory Report

Report ID: S07266.01(01)
Generated on 10/24/2001

Report to

Attention: Mr. Babusukumar
Roy F. Weston, Inc.
3 Hawthorne Parkway Ste 400
Vernon Hills, IL 60061

Phone: 847-918-4000 FAX: 847-918-4055

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S07266.01-S07266.11
Project: GM Linden Rd. Site
Submitted Date/Time: 10/12/2001 09:40
Sampled by: MW/KL
P.O. #:

Report Notes

Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
Results relate only to items tested.

Violetta F. Murshak

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Lab Sample ID: S07266.01
Sample Tag: MW-12S
Collected Date/Time: 10/11/2001 13:10
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
2	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	0.007	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.13	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	0.02	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
Volatile Organics								
Benzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-43-2	
Bromodichloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-27-4	
Bromoform	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-25-2	
Bromomethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-83-9	
n-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	104-51-8	
sec-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	135-98-8	
tert-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-06-6	
Carbon tetrachloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	56-23-5	
Chlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-90-7	
Chloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-00-3	
Chloroform	Not detected	mg/L	0.001	8260	10/18/01	JGH	67-66-3	
Chloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-87-3	
Dibromochloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-50-1	

Lab Sample ID: S07266.01 (continued)
Sample Tag: MW-12S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,3-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-46-7	
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-34-3	
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	107-06-2	
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-60-5	
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	10/18/01	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-02-6	
Ethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-41-4	
Isopropylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-82-8	
p-Isopropyltoluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	99-87-6	
Methylene chloride	Not detected	mg/L	0.005	8260	10/18/01	JGH	75-09-2	
Naphthalene	Not detected	mg/L	0.001	8260	10/18/01	JGH	91-20-3	
n-Propylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	103-65-1	
Styrene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-34-5	
Tetrachloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	127-18-4	
Toluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-00-5	
Trichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-67-8	
Vinyl chloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-01-4	
o-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-47-6	
p,m-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-42-3	
Acetone	Not detected	mg/L	0.05	8260	10/18/01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	78-93-3	
Carbon disulfide	Not detected	mg/L	0.05	8260	10/18/01	JGH	75-15-0	
2-Hexanone	Not detected	mg/L	0.05	8260	10/18/01	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	108-10-1	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	83-32-9	
Acenaphthylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	208-96-8	
Anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-12-7	
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	56-55-3	
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	205-99-2	
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	207-08-9	
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	191-24-2	
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	50-32-8	
bis(2-Chloroethoxy)methane	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-91-1	
bis(2-Chloroethyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-60-1	
bis(2-Ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-81-7	
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	101-55-3	
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-68-7	

Lab Sample ID: S07266.01 (continued)
Sample Tag: MW-12S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
4-Chloroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-47-8	
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-58-7	
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	59-50-7	
2-Chlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	7005-72-3	
Chrysene	Not detected	mg/L	0.01	8270	10/18/01	SMP	218-01-9	
p,m-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-44-5	
o-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-48-7	
Dibenzo(ah)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	53-70-3	
Dibenzofuran	Not detected	mg/L	0.01	8270	10/18/01	SMP	132-64-9	
di-n-Butyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-74-2	
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-50-1	
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-46-7	
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-94-1	
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-83-2	
Diethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-66-2	
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	105-67-9	
Dimethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	131-11-3	
4,6-Dinitro-2-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	534-52-1	
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	51-28-5	
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	121-14-2	
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	606-20-2	
di-n-Octyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-84-0	
Fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	206-44-0	
Fluorene	Not detected	mg/L	0.01	8270	10/18/01	SMP	86-73-7	
Hexachlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	118-74-1	
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-68-3	
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	77-47-4	
Hexachloroethane	Not detected	mg/L	0.01	8270	10/18/01	SMP	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	193-39-5	
Isophorone	Not detected	mg/L	0.01	8270	10/18/01	SMP	78-59-1	
2-Methylnaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-57-6	
Naphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-20-3	
2-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-74-4	
3-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	99-09-2	
4-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-01-6	
Nitrobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	98-95-3	
2-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-75-5	
4-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-02-7	
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	156-10-5	
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	621-64-7	
Pentachlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-86-5	
Phenanthrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-01-8	
Phenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-95-2	
Pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	129-00-0	
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-82-1	
2,4,5-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-95-4	
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-06-2	

Analytical Laboratory Report

Lab Sample ID: S07266.02
Sample Tag: MW-13S
Collected Date/Time: 10/11/2001 13:52
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
2	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	0.001	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.10	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	0.09	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
Volatile Organics								
Benzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-43-2	
Bromodichloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-27-4	
Bromoform	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-25-2	
Bromomethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-83-9	
n-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	104-51-8	
sec-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	135-98-8	
tert-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-06-6	
Carbon tetrachloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	56-23-5	
Chlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-90-7	
Chloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-00-3	
Chloroform	Not detected	mg/L	0.001	8260	10/18/01	JGH	67-66-3	
Chloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-87-3	
Dibromochloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-50-1	

Lab Sample ID: S07266.02 (continued)
Sample Tag: MW-13S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,3-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-46-7	
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-34-3	
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	107-06-2	
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-59-2	
rans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-60-5	
,2-Dichloropropane	Not detected	mg/L	0.001	8260	10/18/01	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-01-5	
rans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-02-6	
Ethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-41-4	
Isopropylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-82-8	
p-Isopropyltoluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	99-87-6	
Methylene chloride	Not detected	mg/L	0.005	8260	10/18/01	JGH	75-09-2	
Naphthalene	Not detected	mg/L	0.001	8260	10/18/01	JGH	91-20-3	
n-Propylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	103-65-1	
Styrene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-42-5	
,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-34-5	
Tetrachloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	127-18-4	
Toluene	0.001	mg/L	0.001	8260	10/18/01	JGH	108-88-3	
,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-55-6	
,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-00-5	
Trichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-01-6	
,2,4-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-63-6	
,3,5-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-67-8	
Vinyl chloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-01-4	
-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-47-6	
,m-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-42-3	
Acetone	Not detected	mg/L	0.05	8260	10/18/01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	78-93-3	
Carbon disulfide	Not detected	mg/L	0.05	8260	10/18/01	JGH	75-15-0	
2-Hexanone	Not detected	mg/L	0.05	8260	10/18/01	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	108-10-1	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	83-32-9	
cenaphthylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	208-96-8	
nthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-12-7	
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	56-55-3	
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	205-99-2	
enzo(k)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	207-08-9	
enzo(ghi)perylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	191-24-2	
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	50-32-8	
is(2-Chloroethoxy)methane	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-91-1	
is(2-Chloroethyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-60-1	
is(2-Ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-81-7	
-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	101-55-3	
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-68-7	

Lab Sample ID: S07266.02 (continued)
Sample Tag: MW-13S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
4-Chloroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-47-8	
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-58-7	
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	59-50-7	
2-Chlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	7005-72-3	
Chrysene	Not detected	mg/L	0.01	8270	10/18/01	SMP	218-01-9	
p,m-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-44-5	
o-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-48-7	
Dibenzo(ah)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	53-70-3	
Dibenzofuran	Not detected	mg/L	0.01	8270	10/18/01	SMP	132-64-9	
di-n-Butyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-74-2	
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-50-1	
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-46-7	
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-94-1	
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-83-2	
Diethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-66-2	
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	105-67-9	
Dimethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	131-11-3	
4,6-Dinitro-2-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	534-52-1	
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	51-28-5	
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	121-14-2	
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	606-20-2	
di-n-Octyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-84-0	
Fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	206-44-0	
Fluorene	Not detected	mg/L	0.01	8270	10/18/01	SMP	86-73-7	
Hexachlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	118-74-1	
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-68-3	
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	77-47-4	
Hexachloroethane	Not detected	mg/L	0.01	8270	10/18/01	SMP	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	193-39-5	
Isophorone	Not detected	mg/L	0.01	8270	10/18/01	SMP	78-59-1	
2-Methylnaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-57-6	
Naphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-20-3	
2-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-74-4	
3-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	99-09-2	
4-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-01-6	
Nitrobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	98-95-3	
2-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-75-5	
4-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-02-7	
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	156-10-5	
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	621-64-7	
Pentachlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-86-5	
Phenanthrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-01-8	
Phenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-95-2	
Pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	129-00-0	
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-82-1	
2,4,5-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-95-4	
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-06-2	

Analytical Laboratory Report

Lab Sample ID: S07266.03
Sample Tag: MW-3S
Collected Date/Time: 10/11/2001 14:23
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
2	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	0.006	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.14	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	0.01	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
Volatile Organics								
Benzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	71-43-2	
Bromodichloromethane	Not detected	mg/L	0.001	8260	10/19/01	JGH	75-27-4	
Bromoform	Not detected	mg/L	0.001	8260	10/19/01	JGH	75-25-2	
Bromomethane	Not detected	mg/L	0.001	8260	10/19/01	JGH	74-83-9	
n-Butylbenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	104-51-8	
sec-Butylbenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	135-98-8	
tert-Butylbenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	98-06-6	
Carbon tetrachloride	Not detected	mg/L	0.001	8260	10/19/01	JGH	56-23-5	
Chlorobenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	108-90-7	
Chloroethane	Not detected	mg/L	0.001	8260	10/19/01	JGH	75-00-3	
Chloroform	Not detected	mg/L	0.001	8260	10/19/01	JGH	67-66-3	
Chloromethane	Not detected	mg/L	0.001	8260	10/19/01	JGH	74-87-3	
Dibromochloromethane	Not detected	mg/L	0.001	8260	10/19/01	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	95-50-1	

Lab Sample ID: S07266.03 (continued)
Sample Tag: MW-3S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,3-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	106-46-7	
1,1-Dichloroethane	0.021	mg/L	0.001	8260	10/19/01	JGH	75-34-3	
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	10/19/01	JGH	107-06-2	
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	10/19/01	JGH	75-35-4	
cis-1,2-Dichloroethene	0.035	mg/L	0.001	8260	10/19/01	JGH	156-59-2	
trans-1,2-Dichloroethene	0.002	mg/L	0.001	8260	10/19/01	JGH	156-60-5	
1,2-Dichloropropane	0.002	mg/L	0.001	8260	10/19/01	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/19/01	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/19/01	JGH	10061-02-6	
Ethylbenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	100-41-4	
Isopropylbenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	98-82-8	
p-Isopropyltoluene	Not detected	mg/L	0.001	8260	10/19/01	JGH	99-87-6	
Methylene chloride	Not detected	mg/L	0.005	8260	10/19/01	JGH	75-09-2	
Naphthalene	Not detected	mg/L	0.001	8260	10/19/01	JGH	91-20-3	
n-Propylbenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	103-65-1	
Styrene	Not detected	mg/L	0.001	8260	10/19/01	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	10/19/01	JGH	79-34-5	
Tetrachloroethene	Not detected	mg/L	0.001	8260	10/19/01	JGH	127-18-4	
Toluene	Not detected	mg/L	0.001	8260	10/19/01	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	10/19/01	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	10/19/01	JGH	79-00-5	
Trichloroethene	Not detected	mg/L	0.001	8260	10/19/01	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/19/01	JGH	108-67-8	
Vinyl chloride	0.023	mg/L	0.001	8260	10/19/01	JGH	75-01-4	
o-Xylene	Not detected	mg/L	0.001	8260	10/19/01	JGH	95-47-6	
p,m-Xylene	Not detected	mg/L	0.001	8260	10/19/01	JGH	106-42-3	
Acetone	Not detected	mg/L	0.05	8260	10/19/01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	mg/L	0.05	8260	10/19/01	JGH	78-93-3	
Carbon disulfide	Not detected	mg/L	0.05	8260	10/19/01	JGH	75-15-0	
2-Hexanone	Not detected	mg/L	0.05	8260	10/19/01	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.05	8260	10/19/01	JGH	108-10-1	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	83-32-9	
Acenaphthylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	208-96-8	
Anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-12-7	
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	56-55-3	
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	205-99-2	
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	207-08-9	
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	191-24-2	
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	50-32-8	
bis(2-Chloroethoxy)methane	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-91-1	
bis(2-Chloroethyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-60-1	
bis(2-Ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-81-7	
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	101-55-3	
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-68-7	

Lab Sample ID: S07266.03 (continued)
Sample Tag: MW-3S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
4-Chloroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-47-8	
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-58-7	
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	59-50-7	
2-Chlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	7005-72-3	
Chrysene	Not detected	mg/L	0.01	8270	10/18/01	SMP	218-01-9	
p,m-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-44-5	
o-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-48-7	
Dibenzo(ah)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	53-70-3	
Dibenzofuran	Not detected	mg/L	0.01	8270	10/18/01	SMP	132-64-9	
di-n-Butyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-74-2	
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-50-1	
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-46-7	
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-94-1	
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-83-2	
Diethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-66-2	
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	105-67-9	
Dimethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	131-11-3	
4,6-Dinitro-2-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	534-52-1	
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	51-28-5	
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	121-14-2	
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	606-20-2	
di-n-Octyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-84-0	
Fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	206-44-0	
Fluorene	Not detected	mg/L	0.01	8270	10/18/01	SMP	86-73-7	
Hexachlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	118-74-1	
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-68-3	
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	77-47-4	
Hexachloroethane	Not detected	mg/L	0.01	8270	10/18/01	SMP	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	193-39-5	
Isophorone	Not detected	mg/L	0.01	8270	10/18/01	SMP	78-59-1	
2-Methylnaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-57-6	
Naphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-20-3	
2-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-74-4	
3-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	99-09-2	
4-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-01-6	
Nitrobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	98-95-3	
2-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-75-5	
4-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-02-7	
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	156-10-5	
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	621-64-7	
Pentachlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-86-5	
Phenanthrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-01-8	
Phenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-95-2	
Pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	129-00-0	
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-82-1	
2,4,5-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-95-4	
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-06-2	

Analytical Laboratory Report

Lab Sample ID: S07266.04
Sample Tag: MW-7S
Collected Date/Time: 10/11/2001 14:53
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
2	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	0.004	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.02	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	0.01	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
Volatile Organics								
Benzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-43-2	
Bromodichloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-27-4	
Bromoform	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-25-2	
Bromomethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-83-9	
n-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	104-51-8	
sec-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	135-98-8	
tert-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-06-6	
Carbon tetrachloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	56-23-5	
Chlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-90-7	
Chloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-00-3	
Chloroform	Not detected	mg/L	0.001	8260	10/18/01	JGH	67-66-3	
Chloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-87-3	
Dibromochloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-50-1	

Lab Sample ID: S07266.04 (continued)
Sample Tag: MW-7S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,3-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-46-7	
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-34-3	
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	107-06-2	
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-60-5	
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	10/18/01	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-02-6	
Ethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-41-4	
Isopropylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-82-8	
p-Isopropyltoluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	99-87-6	
Methylene chloride	Not detected	mg/L	0.005	8260	10/18/01	JGH	75-09-2	
Naphthalene	Not detected	mg/L	0.001	8260	10/18/01	JGH	91-20-3	
n-Propylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	103-65-1	
Styrene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-34-5	
Tetrachloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	127-18-4	
Toluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-00-5	
Trichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-67-8	
Vinyl chloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-01-4	
o-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-47-6	
p,m-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-42-3	
Acetone	Not detected	mg/L	0.05	8260	10/18/01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	78-93-3	
Carbon disulfide	Not detected	mg/L	0.05	8260	10/18/01	JGH	75-15-0	
2-Hexanone	Not detected	mg/L	0.05	8260	10/18/01	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	108-10-1	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	83-32-9	
Acenaphthylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	208-96-8	
Anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-12-7	
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	56-55-3	
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	205-99-2	
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	207-08-9	
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	191-24-2	
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	50-32-8	
bis(2-Chloroethoxy)methane	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-91-1	
bis(2-Chloroethyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-60-1	
bis(2-Ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-81-7	
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	101-55-3	
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-68-7	

Lab Sample ID: S07266.04 (continued)
Sample Tag: MW-7S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
4-Chloroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-47-8	
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-58-7	
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	59-50-7	
2-Chlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	7005-72-3	
Chrysene	Not detected	mg/L	0.01	8270	10/18/01	SMP	218-01-9	
p,m-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-44-5	
o-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-48-7	
Dibenzo(ah)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	53-70-3	
Dibenzofuran	Not detected	mg/L	0.01	8270	10/18/01	SMP	132-64-9	
di-n-Butyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-74-2	
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-50-1	
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-46-7	
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-94-1	
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-83-2	
Diethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-66-2	
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	105-67-9	
Dimethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	131-11-3	
4,6-Dinitro-2-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	534-52-1	
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	51-28-5	
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	121-14-2	
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	606-20-2	
di-n-Octyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-84-0	
Fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	206-44-0	
Fluorene	Not detected	mg/L	0.01	8270	10/18/01	SMP	86-73-7	
Hexachlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	118-74-1	
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-68-3	
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	77-47-4	
Hexachloroethane	Not detected	mg/L	0.01	8270	10/18/01	SMP	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	193-39-5	
Isophorone	Not detected	mg/L	0.01	8270	10/18/01	SMP	78-59-1	
2-Methylnaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-57-6	
Naphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-20-3	
2-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-74-4	
3-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	99-09-2	
4-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-01-6	
Nitrobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	98-95-3	
2-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-75-5	
4-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-02-7	
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	156-10-5	
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	621-64-7	
Pentachlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-86-5	
Phenanthrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-01-8	
Phenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-95-2	
Pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	129-00-0	
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-82-1	
2,4,5-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-95-4	
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-06-2	

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S07266.05
Sample Tag: MW-6S
Collected Date/Time: 10/11/2001 15:28
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
2	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	0.002	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.03	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	0.02	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
Volatile Organics								
Benzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-43-2	
Bromodichloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-27-4	
Bromoform	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-25-2	
Bromomethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-83-9	
n-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	104-51-8	
sec-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	135-98-8	
tert-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-06-6	
Carbon tetrachloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	56-23-5	
Chlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-90-7	
Chloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-00-3	
Chloroform	Not detected	mg/L	0.001	8260	10/18/01	JGH	67-66-3	
Chloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-87-3	
Dibromochloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-50-1	

Lab Sample ID: S07266.05 (continued)
Sample Tag: MW-6S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,3-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-46-7	
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-34-3	
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	107-06-2	
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-60-5	
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	10/18/01	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-02-6	
Ethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-41-4	
Isopropylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-82-8	
p-Isopropyltoluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	99-87-6	
Methylene chloride	Not detected	mg/L	0.005	8260	10/18/01	JGH	75-09-2	
Naphthalene	Not detected	mg/L	0.001	8260	10/18/01	JGH	91-20-3	
n-Propylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	103-65-1	
Styrene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-34-5	
Tetrachloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	127-18-4	
Toluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-00-5	
Trichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-67-8	
Vinyl chloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-01-4	
o-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-47-6	
p,m-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-42-3	
Acetone	Not detected	mg/L	0.05	8260	10/18/01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	78-93-3	
Carbon disulfide	Not detected	mg/L	0.05	8260	10/18/01	JGH	75-15-0	
2-Hexanone	Not detected	mg/L	0.05	8260	10/18/01	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	108-10-1	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	83-32-9	S
Acenaphthylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	208-96-8	S
Anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-12-7	S
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	56-55-3	S
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	205-99-2	S
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	207-08-9	S
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	191-24-2	S
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	50-32-8	S
bis(2-Chloroethoxy)methane	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-91-1	S
bis(2-Chloroethyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-44-4	S
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-60-1	S
bis(2-Ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-81-7	S
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	101-55-3	S

S-Estimated result due to low surrogate recovery.

all semi Volatiles compounds flagged UJ for sample 05 TB 11/28/07

Lab Sample ID: S07266.05 (continued)
Sample Tag: MW-6S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
utyl benzyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-68-7	S
4-Chloroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-47-8	S
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-58-7	S
-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	59-50-7	S
-Chlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-57-8	S
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	7005-72-3	S
hrysene	Not detected	mg/L	0.01	8270	10/18/01	SMP	218-01-9	S
m-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-44-5	S
o-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-48-7	S
ibenzo(ah)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	53-70-3	S
ibenzofuran	Not detected	mg/L	0.01	8270	10/18/01	SMP	132-64-9	S
i-n-Butyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-74-2	S
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-50-1	S
3-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	541-73-1	S
4-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-46-7	S
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-94-1	S
4-Dichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-83-2	S
iethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-66-2	S
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	105-67-9	S
imethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	131-11-3	S
6-Dinitro-2-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	534-52-1	S
4-Dinitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	51-28-5	S
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	121-14-2	S
6-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	606-20-2	S
i-n-Octyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-84-0	S
Fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	206-44-0	S
luorene	Not detected	mg/L	0.01	8270	10/18/01	SMP	86-73-7	S
lexachlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	118-74-1	S
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-68-3	S
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	77-47-4	S
lexachloroethane	Not detected	mg/L	0.01	8270	10/18/01	SMP	67-72-1	S
ideno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	193-39-5	S
Isophorone	Not detected	mg/L	0.01	8270	10/18/01	SMP	78-59-1	S
-Methylnaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-57-6	S
laphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-20-3	S
2-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-74-4	S
3-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	99-09-2	S
-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-01-6	S
itrobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	98-95-3	S
2-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-75-5	S
-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-02-7	S
-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	156-10-5	S
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	621-64-7	S
entachlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-86-5	S
henanthrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-01-8	S
Phenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-95-2	S
Pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	129-00-0	S
2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-82-1	S

S-Estimated result due to low surrogate recovery.

Lab Sample ID: S07266.05 (continued)
Sample Tag: MW-6S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
2,4,5-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-95-4	S
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-06-2	S

S-Estimated result due to low surrogate recovery.

Analytical Laboratory Report

Lab Sample ID: S07266.06
Sample Tag: MW-5S
Collected Date/Time: 10/11/2001 16:00
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
2	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	Not detected	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.16	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
Volatile Organics								
Benzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	71-43-2	C
Bromodichloromethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-27-4	C
Bromoform	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-25-2	C
Bromomethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	74-83-9	C
n-Butylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	104-51-8	C
sec-Butylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	135-98-8	C
tert-Butylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	98-06-6	C
Carbon tetrachloride	Not detected	mg/L	0.01	8260	10/20/01	JGH	56-23-5	C
Chlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	108-90-7	C
Chloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-00-3	C
Chloroform	Not detected	mg/L	0.01	8260	10/20/01	JGH	67-66-3	C
Chloromethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	74-87-3	C
Dibromochloromethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	124-48-1	C

C-Higher detection limit due to high target concentration.

Lab Sample ID: S07266.06 (continued)
Sample Tag: MW-5S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	95-50-1	C
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	541-73-1	C
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	106-46-7	C
1,1-Dichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-34-3	C
1,2-Dichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	107-06-2	C
1,1-Dichloroethene	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-35-4	C
cis-1,2-Dichloroethene	0.09	mg/L	0.01	8260	10/20/01	JGH	156-59-2	C
trans-1,2-Dichloroethene	Not detected	mg/L	0.01	8260	10/20/01	JGH	156-60-5	C
1,2-Dichloropropane	Not detected	mg/L	0.01	8260	10/20/01	JGH	78-87-5	C
cis-1,3-Dichloropropene	Not detected	mg/L	0.01	8260	10/20/01	JGH	10061-01-5	C
trans-1,3-Dichloropropene	Not detected	mg/L	0.01	8260	10/20/01	JGH	10061-02-6	C
Ethylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	100-41-4	C
Isopropylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	98-82-8	C
p-Isopropyltoluene	Not detected	mg/L	0.01	8260	10/20/01	JGH	99-87-6	C
Methylene chloride	Not detected	mg/L	0.05	8260	10/20/01	JGH	75-09-2	C
Naphthalene	Not detected	mg/L	0.01	8260	10/20/01	JGH	91-20-3	C
n-Propylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	103-65-1	C
Styrene	Not detected	mg/L	0.01	8260	10/20/01	JGH	100-42-5	C
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	79-34-5	C
Tetrachloroethene	Not detected	mg/L	0.01	8260	10/20/01	JGH	127-18-4	C
Toluene	Not detected	mg/L	0.01	8260	10/20/01	JGH	108-88-3	C
1,1,1-Trichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	71-55-6	C
1,1,2-Trichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	79-00-5	C
Trichloroethene	0.36	mg/L	0.01	8260	10/20/01	JGH	79-01-6	C
1,2,4-Trimethylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	95-63-6	C
1,3,5-Trimethylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	108-67-8	C
Vinyl chloride	0.02	mg/L	0.01	8260	10/20/01	JGH	75-01-4	C
o-Xylene	Not detected	mg/L	0.01	8260	10/20/01	JGH	95-47-6	C
p,m-Xylene	Not detected	mg/L	0.01	8260	10/20/01	JGH	106-42-3	C
Acetone	Not detected	mg/L	0.5	8260	10/20/01	JGH	67-64-1	C
2-Butanone (MEK)	Not detected	mg/L	0.5	8260	10/20/01	JGH	78-93-3	C
Carbon disulfide	Not detected	mg/L	0.5	8260	10/20/01	JGH	75-15-0	C
2-Hexanone	Not detected	mg/L	0.5	8260	10/20/01	JGH	591-78-6	C
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.5	8260	10/20/01	JGH	108-10-1	C
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	83-32-9	S
Acenaphthylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	208-96-8	S
Anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-12-7	S
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	56-55-3	S
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	205-99-2	S
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	207-08-9	S
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	191-24-2	S
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	50-32-8	S
bis(2-Chloroethoxy)methane	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-91-1	S
bis(2-Chloroethyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-44-4	S
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-60-1	S

C-Higher detection limit due to high target concentration.
S-Estimated result due to low surrogate recovery.

all Semivolatiles compounds for sample were flagged VJ
TB 11/28/01

Report to Roy F. Weston, Inc.
Project: GM Linden Rd. Site

Report ID: S07266.01(01)
Generated on 10/24/2001

Lab Sample ID: S07266.06 (continued)
Sample Tag: MW-5S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
bis(2-Ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-81-7	S
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	101-55-3	S
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-68-7	S
4-Chloroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-47-8	S
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-58-7	S
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	59-50-7	S
2-Chlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-57-8	S
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	7005-72-3	S
Chrysene	Not detected	mg/L	0.01	8270	10/18/01	SMP	218-01-9	S
p,m-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-44-5	S
o-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-48-7	S
Dibenzo(ah)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	53-70-3	S
Dibenzofuran	Not detected	mg/L	0.01	8270	10/18/01	SMP	132-64-9	S
di-n-Butyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-74-2	S
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-50-1	S
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	541-73-1	S
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-46-7	S
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-94-1	S
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-83-2	S
Diethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-66-2	S
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	105-67-9	S
Dimethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	131-11-3	S
4,6-Dinitro-2-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	534-52-1	S
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	51-28-5	S
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	121-14-2	S
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	606-20-2	S
di-n-Octyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-84-0	S
Fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	206-44-0	S
Fluorene	Not detected	mg/L	0.01	8270	10/18/01	SMP	86-73-7	S
Hexachlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	118-74-1	S
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-68-3	S
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	77-47-4	S
Hexachloroethane	Not detected	mg/L	0.01	8270	10/18/01	SMP	67-72-1	S
Indeno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	193-39-5	S
Isophorone	Not detected	mg/L	0.01	8270	10/18/01	SMP	78-59-1	S
2-Methylnaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-57-6	S
Naphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-20-3	S
2-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-74-4	S
3-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	99-09-2	S
4-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-01-6	S
Nitrobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	98-95-3	S
2-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-75-5	S
4-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-02-7	S
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	156-10-5	S
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	621-64-7	S
Pentachlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-86-5	S
Phenanthrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-01-8	S
Phenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-95-2	S

S-Estimated result due to low surrogate recovery.

Lab Sample ID: S07266.06 (continued)
Sample Tag: MW-5S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	129-00-0	S
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-82-1	S
2,4,5-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-95-4	S
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-06-2	S

S-Estimated result due to low surrogate recovery.

Analytical Laboratory Report

Lab Sample ID: S07266.07
Sample Tag: MW-5D
Collected Date/Time: 10/11/2001 16:15
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
2	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	Not detected	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.16	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
Volatile Organics								
Benzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	71-43-2	C
Bromodichloromethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-27-4	C
Bromoform	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-25-2	C
Bromomethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	74-83-9	C
n-Butylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	104-51-8	C
sec-Butylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	135-98-8	C
tert-Butylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	98-06-6	C
Carbon tetrachloride	Not detected	mg/L	0.01	8260	10/20/01	JGH	56-23-5	C
Chlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	108-90-7	C
Chloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-00-3	C
Chloroform	Not detected	mg/L	0.01	8260	10/20/01	JGH	67-66-3	C
Chloromethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	74-87-3	C
Dibromochloromethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	124-48-1	C

C-Higher detection limit due to high target concentration.

Lab Sample ID: S07266.07 (continued)
Sample Tag: MW-5D

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	95-50-1	C
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	541-73-1	C
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	106-46-7	C
1,1-Dichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-34-3	C
1,2-Dichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	107-06-2	C
1,1-Dichloroethene	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-35-4	C
cis-1,2-Dichloroethene	0.09	mg/L	0.01	8260	10/20/01	JGH	156-59-2	C
trans-1,2-Dichloroethene	Not detected	mg/L	0.01	8260	10/20/01	JGH	156-60-5	C
1,2-Dichloropropane	Not detected	mg/L	0.01	8260	10/20/01	JGH	78-87-5	C
cis-1,3-Dichloropropene	Not detected	mg/L	0.01	8260	10/20/01	JGH	10061-01-5	C
trans-1,3-Dichloropropene	Not detected	mg/L	0.01	8260	10/20/01	JGH	10061-02-6	C
Ethylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	100-41-4	C
Isopropylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	98-82-8	C
p-Isopropyltoluene	Not detected	mg/L	0.01	8260	10/20/01	JGH	99-87-6	C
Methylene chloride	Not detected	mg/L	0.05	8260	10/20/01	JGH	75-09-2	C
Naphthalene	Not detected	mg/L	0.01	8260	10/20/01	JGH	91-20-3	C
n-Propylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	103-65-1	C
Styrene	Not detected	mg/L	0.01	8260	10/20/01	JGH	100-42-5	C
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	79-34-5	C
Tetrachloroethene	Not detected	mg/L	0.01	8260	10/20/01	JGH	127-18-4	C
Toluene	Not detected	mg/L	0.01	8260	10/20/01	JGH	108-88-3	C
1,1,1-Trichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	71-55-6	C
1,1,2-Trichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	79-00-5	C
Trichloroethene	0.38	mg/L	0.01	8260	10/20/01	JGH	79-01-6	C
1,2,4-Trimethylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	95-63-6	C
1,3,5-Trimethylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	108-67-8	C
Vinyl chloride	0.03	mg/L	0.01	8260	10/20/01	JGH	75-01-4	C
o-Xylene	Not detected	mg/L	0.01	8260	10/20/01	JGH	95-47-6	C
p,m-Xylene	Not detected	mg/L	0.01	8260	10/20/01	JGH	106-42-3	C
Acetone	Not detected	mg/L	0.5	8260	10/20/01	JGH	67-64-1	C
2-Butanone (MEK)	Not detected	mg/L	0.5	8260	10/20/01	JGH	78-93-3	C
Carbon disulfide	Not detected	mg/L	0.5	8260	10/20/01	JGH	75-15-0	C
2-Hexanone	Not detected	mg/L	0.5	8260	10/20/01	JGH	591-78-6	C
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.5	8260	10/20/01	JGH	108-10-1	C
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	83-32-9	
Acenaphthylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	208-96-8	
Anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-12-7	
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	56-55-3	
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	205-99-2	
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	207-08-9	
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	191-24-2	
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	50-32-8	
bis(2-Chloroethoxy)methane	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-91-1	
bis(2-Chloroethyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-60-1	
bis(2-Ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-81-7	

C-Higher detection limit due to high target concentration.

Lab Sample ID: S07266.07 (continued)
Sample Tag: MW-5D

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	101-55-3	
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-68-7	
4-Chloroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-47-8	
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-58-7	
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	59-50-7	
2-Chlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	7005-72-3	
Chrysene	Not detected	mg/L	0.01	8270	10/18/01	SMP	218-01-9	
p,m-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-44-5	
o-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-48-7	
Dibenzo(ah)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	53-70-3	
Dibenzofuran	Not detected	mg/L	0.01	8270	10/18/01	SMP	132-64-9	
di-n-Butyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-74-2	
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-50-1	
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-46-7	
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-94-1	
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-83-2	
Diethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-66-2	
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	105-67-9	
Dimethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	131-11-3	
4,6-Dinitro-2-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	534-52-1	
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	51-28-5	
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	121-14-2	
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	606-20-2	
di-n-Octyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-84-0	
Fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	206-44-0	
Fluorene	Not detected	mg/L	0.01	8270	10/18/01	SMP	86-73-7	
Hexachlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	118-74-1	
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-68-3	
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	77-47-4	
Hexachloroethane	Not detected	mg/L	0.01	8270	10/18/01	SMP	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	193-39-5	
Isophorone	Not detected	mg/L	0.01	8270	10/18/01	SMP	78-59-1	
2-Methylnaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-57-6	
Naphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-20-3	
2-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-74-4	
3-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	99-09-2	
4-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-01-6	
Nitrobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	98-95-3	
2-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-75-5	
4-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-02-7	
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	156-10-5	
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	621-64-7	
Pentachlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-86-5	
Phenanthrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-01-8	
Phenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-95-2	
Pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	129-00-0	
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-82-1	

Lab Sample ID: S07266.07 (continued)
Sample Tag: MW-5D

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
2,4,5-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-95-4	
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-06-2	

Analytical Laboratory Report

Merit Laboratories, Inc.

Lab Sample ID: S07266.08
Sample Tag: MW-1S
Collected Date/Time: 10/11/2001 16:37
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
2	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	0.001	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.08	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
Volatile Organics								
Benzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	71-43-2	C
Bromodichloromethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-27-4	C
Bromoform	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-25-2	C
Bromomethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	74-83-9	C
n-Butylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	104-51-8	C
sec-Butylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	135-98-8	C
tert-Butylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	98-06-6	C
Carbon tetrachloride	Not detected	mg/L	0.01	8260	10/20/01	JGH	56-23-5	C
Chlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	108-90-7	C
Chloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-00-3	C
Chloroform	Not detected	mg/L	0.01	8260	10/20/01	JGH	67-66-3	C
Chloromethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	74-87-3	C
Dibromochloromethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	124-48-1	C

C-Higher detection limit due to high target concentration.

Lab Sample ID: S07266.08 (continued)
Sample Tag: MW-1S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	95-50-1	C
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	541-73-1	C
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	106-46-7	C
1,1-Dichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-34-3	C
1,2-Dichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	107-06-2	C
1,1-Dichloroethene	Not detected	mg/L	0.01	8260	10/20/01	JGH	75-35-4	C
cis-1,2-Dichloroethene	0.17	mg/L	0.01	8260	10/20/01	JGH	156-59-2	C
trans-1,2-Dichloroethene	Not detected	mg/L	0.01	8260	10/20/01	JGH	156-60-5	C
1,2-Dichloropropane	Not detected	mg/L	0.01	8260	10/20/01	JGH	78-87-5	C
cis-1,3-Dichloropropene	Not detected	mg/L	0.01	8260	10/20/01	JGH	10061-01-5	C
trans-1,3-Dichloropropene	Not detected	mg/L	0.01	8260	10/20/01	JGH	10061-02-6	C
Ethylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	100-41-4	C
Isopropylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	98-82-8	C
p-Isopropyltoluene	Not detected	mg/L	0.01	8260	10/20/01	JGH	99-87-6	C
Methylene chloride	Not detected	mg/L	0.05	8260	10/20/01	JGH	75-09-2	C
Naphthalene	Not detected	mg/L	0.01	8260	10/20/01	JGH	91-20-3	C
n-Propylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	103-65-1	C
Styrene	Not detected	mg/L	0.01	8260	10/20/01	JGH	100-42-5	C
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	79-34-5	C
Tetrachloroethene	Not detected	mg/L	0.01	8260	10/20/01	JGH	127-18-4	C
Toluene	Not detected	mg/L	0.01	8260	10/20/01	JGH	108-88-3	C
1,1,1-Trichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	71-55-6	C
1,1,2-Trichloroethane	Not detected	mg/L	0.01	8260	10/20/01	JGH	79-00-5	C
Trichloroethene	0.08	mg/L	0.01	8260	10/20/01	JGH	79-01-6	C
1,2,4-Trimethylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	95-63-6	C
1,3,5-Trimethylbenzene	Not detected	mg/L	0.01	8260	10/20/01	JGH	108-67-8	C
Vinyl chloride	0.02	mg/L	0.01	8260	10/20/01	JGH	75-01-4	C
o-Xylene	Not detected	mg/L	0.01	8260	10/20/01	JGH	95-47-6	C
p,m-Xylene	Not detected	mg/L	0.01	8260	10/20/01	JGH	106-42-3	C
Acetone	Not detected	mg/L	0.5	8260	10/20/01	JGH	67-64-1	C
2-Butanone (MEK)	Not detected	mg/L	0.5	8260	10/20/01	JGH	78-93-3	C
Carbon disulfide	Not detected	mg/L	0.5	8260	10/20/01	JGH	75-15-0	C
2-Hexanone	Not detected	mg/L	0.5	8260	10/20/01	JGH	591-78-6	C
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.5	8260	10/20/01	JGH	108-10-1	C
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	83-32-9	S
Acenaphthylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	208-96-8	S
Anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-12-7	S
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	56-55-3	S
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	205-99-2	S
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	207-08-9	S
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	10/18/01	SMP	191-24-2	S
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	50-32-8	S
bis(2-Chloroethoxy)methane	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-91-1	S
bis(2-Chloroethyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	111-44-4	S
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-60-1	S

C-Higher detection limit due to high target concentration.
S-Estimated result due to low surrogate recovery.

all semivolatile compounds in sample 8 flagged VJ
TB 11/28/01

Lab Sample ID: S07266.08 (continued)
Sample Tag: MW-1S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
bis(2-Ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-81-7	S
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	101-55-3	S
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-68-7	S
4-Chloroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-47-8	S
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-58-7	S
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	59-50-7	S
2-Chlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-57-8	S
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/18/01	SMP	7005-72-3	S
Chrysene	Not detected	mg/L	0.01	8270	10/18/01	SMP	218-01-9	S
p,m-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-44-5	S
o-Cresol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-48-7	S
Dibenzo(ah)anthracene	Not detected	mg/L	0.01	8270	10/18/01	SMP	53-70-3	S
Dibenzofuran	Not detected	mg/L	0.01	8270	10/18/01	SMP	132-64-9	S
di-n-Butyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-74-2	S
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-50-1	S
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	541-73-1	S
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	106-46-7	S
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-94-1	S
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-83-2	S
Diethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	84-66-2	S
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	105-67-9	S
Dimethyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	131-11-3	S
4,6-Dinitro-2-methylphenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	534-52-1	S
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	51-28-5	S
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	121-14-2	S
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/18/01	SMP	606-20-2	S
di-n-Octyl phthalate	Not detected	mg/L	0.01	8270	10/18/01	SMP	117-84-0	S
Fluoranthene	Not detected	mg/L	0.01	8270	10/18/01	SMP	206-44-0	S
Fluorene	Not detected	mg/L	0.01	8270	10/18/01	SMP	86-73-7	S
Hexachlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	118-74-1	S
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-68-3	S
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	10/18/01	SMP	77-47-4	S
Hexachloroethane	Not detected	mg/L	0.01	8270	10/18/01	SMP	67-72-1	S
Indeno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	193-39-5	S
Isophorone	Not detected	mg/L	0.01	8270	10/18/01	SMP	78-59-1	S
2-Methylnaphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-57-6	S
Naphthalene	Not detected	mg/L	0.01	8270	10/18/01	SMP	91-20-3	S
2-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-74-4	S
3-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	99-09-2	S
4-Nitroaniline	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-01-6	S
Nitrobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	98-95-3	S
2-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-75-5	S
4-Nitrophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	100-02-7	S
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	156-10-5	S
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	10/18/01	SMP	621-64-7	S
Pentachlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	87-86-5	S
Phenanthrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	85-01-8	S
Phenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	108-95-2	S

S-Estimated result due to low surrogate recovery.

Lab Sample ID: S07266.08 (continued)
Sample Tag: MW-1S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Pyrene	Not detected	mg/L	0.01	8270	10/18/01	SMP	129-00-0	S
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	10/18/01	SMP	120-82-1	S
2,4,5-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	95-95-4	S
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	10/18/01	SMP	88-06-2	S

S-Estimated result due to low surrogate recovery.

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S07266.09
Sample Tag: MW-10S
Collected Date/Time: 10/11/2001 17:16
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
2	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	0.022	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.03	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	0.0003	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	0.01	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
/olatile Organics								
Benzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	71-43-2	
Bromodichloromethane	Not detected	mg/L	0.001	8260	10/20/01	JGH	75-27-4	
Bromoform	Not detected	mg/L	0.001	8260	10/20/01	JGH	75-25-2	
Bromomethane	Not detected	mg/L	0.001	8260	10/20/01	JGH	74-83-9	
n-Butylbenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	104-51-8	
sec-Butylbenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	135-98-8	
ert-Butylbenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	98-06-6	
Carbon tetrachloride	Not detected	mg/L	0.001	8260	10/20/01	JGH	56-23-5	
Chlorobenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	108-90-7	
Chloroethane	Not detected	mg/L	0.001	8260	10/20/01	JGH	75-00-3	
Chloroform	Not detected	mg/L	0.001	8260	10/20/01	JGH	67-66-3	
Chloromethane	Not detected	mg/L	0.001	8260	10/20/01	JGH	74-87-3	
Dibromochloromethane	Not detected	mg/L	0.001	8260	10/20/01	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	95-50-1	

Analytical Laboratory Report

Lab Sample ID: S07266.09 (continued)
Sample Tag: MW-10S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,3-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	106-46-7	
1,1-Dichloroethane	0.007	mg/L	0.001	8260	10/20/01	JGH	75-34-3	
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	10/20/01	JGH	107-06-2	
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	10/20/01	JGH	75-35-4	
cis-1,2-Dichloroethene	0.004	mg/L	0.001	8260	10/20/01	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/20/01	JGH	156-60-5	
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	10/20/01	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/20/01	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/20/01	JGH	10061-02-6	
Ethylbenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	100-41-4	
Isopropylbenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	98-82-8	
p-Isopropyltoluene	Not detected	mg/L	0.001	8260	10/20/01	JGH	99-87-6	
Methylene chloride	Not detected	mg/L	0.005	8260	10/20/01	JGH	75-09-2	
Naphthalene	Not detected	mg/L	0.001	8260	10/20/01	JGH	91-20-3	
n-Propylbenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	103-65-1	
Styrene	Not detected	mg/L	0.001	8260	10/20/01	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	10/20/01	JGH	79-34-5	
Tetrachloroethene	Not detected	mg/L	0.001	8260	10/20/01	JGH	127-18-4	
Toluene	Not detected	mg/L	0.001	8260	10/20/01	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	10/20/01	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	10/20/01	JGH	79-00-5	
Trichloroethene	0.002	mg/L	0.001	8260	10/20/01	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/20/01	JGH	108-67-8	
Vinyl chloride	Not detected	mg/L	0.001	8260	10/20/01	JGH	75-01-4	
o-Xylene	Not detected	mg/L	0.001	8260	10/20/01	JGH	95-47-6	
p,m-Xylene	Not detected	mg/L	0.001	8260	10/20/01	JGH	106-42-3	
Acetone	Not detected	mg/L	0.05	8260	10/20/01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	mg/L	0.05	8260	10/20/01	JGH	78-93-3	
Carbon disulfide	Not detected	mg/L	0.05	8260	10/20/01	JGH	75-15-0	
2-Hexanone	Not detected	mg/L	0.05	8260	10/20/01	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.05	8260	10/20/01	JGH	108-10-1	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.01	8270	10/22/01	SMP	83-32-9	S
Acenaphthylene	Not detected	mg/L	0.01	8270	10/22/01	SMP	208-96-8	S
Anthracene	Not detected	mg/L	0.01	8270	10/22/01	SMP	120-12-7	S
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	10/22/01	SMP	56-55-3	S
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	10/22/01	SMP	205-99-2	S
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	10/22/01	SMP	207-08-9	S
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	10/22/01	SMP	191-24-2	S
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	10/22/01	SMP	50-32-8	S
bis(2-Chloroethoxy)methane	Not detected	mg/L	0.01	8270	10/22/01	SMP	111-91-1	S
bis(2-Chloroethyl)ether	Not detected	mg/L	0.01	8270	10/22/01	SMP	111-44-4	S
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.01	8270	10/22/01	SMP	108-60-1	S
bis(2-Ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	10/22/01	SMP	117-81-7	S
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/22/01	SMP	101-55-3	S

S-Estimated result due to low surrogate recovery.

all SVOC flagged VJ in this sample TB 11/28/01

Lab Sample ID: S07266.09 (continued)
Sample Tag: MW-10S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	10/22/01	SMP	85-68-7	S
4-Chloroaniline	Not detected	mg/L	0.01	8270	10/22/01	SMP	106-47-8	S
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	10/22/01	SMP	91-58-7	S
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	59-50-7	S
2-Chlorophenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	95-57-8	S
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	10/22/01	SMP	7005-72-3	S
Chrysene	Not detected	mg/L	0.01	8270	10/22/01	SMP	218-01-9	S
p,m-Cresol	Not detected	mg/L	0.01	8270	10/22/01	SMP	106-44-5	S
o-Cresol	Not detected	mg/L	0.01	8270	10/22/01	SMP	95-48-7	S
Dibenzo(ah)anthracene	Not detected	mg/L	0.01	8270	10/22/01	SMP	53-70-3	S
Dibenzofuran	Not detected	mg/L	0.01	8270	10/22/01	SMP	132-64-9	S
Di-n-Butyl phthalate	Not detected	mg/L	0.01	8270	10/22/01	SMP	84-74-2	S
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/22/01	SMP	95-50-1	S
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/22/01	SMP	541-73-1	S
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	10/22/01	SMP	106-46-7	S
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	10/22/01	SMP	91-94-1	S
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	120-83-2	S
Diethyl phthalate	Not detected	mg/L	0.01	8270	10/22/01	SMP	84-66-2	S
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	105-67-9	S
Dimethyl phthalate	Not detected	mg/L	0.01	8270	10/22/01	SMP	131-11-3	S
4,6-Dinitro-2-methylphenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	534-52-1	S
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	51-28-5	S
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/22/01	SMP	121-14-2	S
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	10/22/01	SMP	606-20-2	S
Di-n-Octyl phthalate	Not detected	mg/L	0.01	8270	10/22/01	SMP	117-84-0	S
Fluoranthene	Not detected	mg/L	0.01	8270	10/22/01	SMP	206-44-0	S
Fluorene	Not detected	mg/L	0.01	8270	10/22/01	SMP	86-73-7	S
Hexachlorobenzene	Not detected	mg/L	0.01	8270	10/22/01	SMP	118-74-1	S
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	10/22/01	SMP	87-68-3	S
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	10/22/01	SMP	77-47-4	S
Hexachloroethane	Not detected	mg/L	0.01	8270	10/22/01	SMP	67-72-1	S
Indeno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	10/22/01	SMP	193-39-5	S
Isophorone	Not detected	mg/L	0.01	8270	10/22/01	SMP	78-59-1	S
2-Methylnaphthalene	Not detected	mg/L	0.01	8270	10/22/01	SMP	91-57-6	S
Naphthalene	Not detected	mg/L	0.01	8270	10/22/01	SMP	91-20-3	S
2-Nitroaniline	Not detected	mg/L	0.01	8270	10/22/01	SMP	88-74-4	S
3-Nitroaniline	Not detected	mg/L	0.01	8270	10/22/01	SMP	99-09-2	S
4-Nitroaniline	Not detected	mg/L	0.01	8270	10/22/01	SMP	100-01-6	S
Nitrobenzene	Not detected	mg/L	0.01	8270	10/22/01	SMP	98-95-3	S
2-Nitrophenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	88-75-5	S
4-Nitrophenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	100-02-7	S
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	10/22/01	SMP	156-10-5	S
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	10/22/01	SMP	621-64-7	S
Pentachlorophenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	87-86-5	S
Phenanthrene	Not detected	mg/L	0.01	8270	10/22/01	SMP	85-01-8	S
Phenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	108-95-2	S
Pyrene	Not detected	mg/L	0.01	8270	10/22/01	SMP	129-00-0	S
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	10/22/01	SMP	120-82-1	S

S-Estimated result due to low surrogate recovery.

Lab Sample ID: S07266.09 (continued)
Sample Tag: MW-10S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
2,4,5-Trichlorophenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	95-95-4	S
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	10/22/01	SMP	88-06-2	S

S-Estimated result due to low surrogate recovery.

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S07266.10
Sample Tag: MW-11S
Collected Date/Time: 10/11/2001 18:06
Matrix: Groundwater
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40 ml Glass	None	Yes	4	4025
1	125ml Plastic	HNO3	Yes	4	4025
1	1 L Amber	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510	10/16/01	KMM		
Extraction, PCB	Completed			3510	10/16/01	JKB		
Metal Digestion	Completed			varies	10/17/01	PER		
Metals								
Arsenic	0.019	mg/L	0.001	200.8	10/17/01	PER	7440-38-2	
Barium	0.34	mg/L	0.01	200.8	10/17/01	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0002	200.8	10/17/01	PER	7440-43-9	
Chromium	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-47-3	
Copper	Not detected	mg/L	0.01	200.8	10/17/01	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/17/01	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	10/19/01	EMIL	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/17/01	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	10/17/01	PER	7440-22-4	
Zinc	0.01	mg/L	0.01	200.8	10/17/01	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	mg/L	0.0001	608	10/17/01	JANB	12674-11-2	
PCB-1221	Not detected	mg/L	0.0001	608	10/17/01	JANB	11104-28-2	
PCB-1232	Not detected	mg/L	0.0001	608	10/17/01	JANB	11141-16-5	
PCB-1248	Not detected	mg/L	0.0001	608	10/17/01	JANB	12672-29-6	
PCB-1254	Not detected	mg/L	0.0001	608	10/17/01	JANB	11097-69-1	
PCB-1260	Not detected	mg/L	0.0001	608	10/17/01	JANB	11096-82-5	
PCB-1242	Not detected	mg/L	0.0001	608	10/17/01	JANB	53469-21-9	
Volatile Organics								
Benzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-43-2	
Bromodichloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-27-4	
Bromoform	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-25-2	
Bromomethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-83-9	
n-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	104-51-8	
sec-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	135-98-8	
tert-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-06-6	
Carbon tetrachloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	56-23-5	
Chlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-90-7	
Chloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-00-3	
Chloroform	Not detected	mg/L	0.001	8260	10/18/01	JGH	67-66-3	
Chloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-87-3	
Dibromochloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-50-1	

Lab Sample ID: S07266.10 (continued)
Sample Tag: MW-11S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,3-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-46-7	
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-34-3	
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	107-06-2	
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-60-5	
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	10/18/01	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-02-6	
Ethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-41-4	
Isopropylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-82-8	
p-Isopropyltoluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	99-87-6	
Methylene chloride	Not detected	mg/L	0.005	8260	10/18/01	JGH	75-09-2	
Naphthalene	Not detected	mg/L	0.001	8260	10/18/01	JGH	91-20-3	
n-Propylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	103-65-1	
Styrene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-34-5	
Tetrachloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	127-18-4	
Toluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-00-5	
Trichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-67-8	
Vinyl chloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-01-4	
o-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-47-6	
m,m-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-42-3	
Acetone	Not detected	mg/L	0.05	8260	10/18/01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	78-93-3	
Carbon disulfide	Not detected	mg/L	0.05	8260	10/18/01	JGH	75-15-0	
2-Hexanone	Not detected	mg/L	0.05	8260	10/18/01	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	108-10-1	
C/MS Semi-Volatile Organics								
Acenaphthene	Not detected	mg/L	0.02	8270	10/22/01	SMP	83-32-9	LS
Acenaphthylene	Not detected	mg/L	0.02	8270	10/22/01	SMP	208-96-8	LS
Anthracene	Not detected	mg/L	0.02	8270	10/22/01	SMP	120-12-7	LS
Benzo(a)anthracene	Not detected	mg/L	0.02	8270	10/22/01	SMP	56-55-3	LS
Benzo(b)fluoranthene	Not detected	mg/L	0.02	8270	10/22/01	SMP	205-99-2	LS
Benzo(k)fluoranthene	Not detected	mg/L	0.02	8270	10/22/01	SMP	207-08-9	LS
Benzo(ghi)perylene	Not detected	mg/L	0.02	8270	10/22/01	SMP	191-24-2	LS
Benzo(a)pyrene	Not detected	mg/L	0.02	8270	10/22/01	SMP	50-32-8	LS
Bis(2-Chloroethoxy)methane	Not detected	mg/L	0.02	8270	10/22/01	SMP	111-91-1	LS
Bis(2-Chloroethyl)ether	Not detected	mg/L	0.02	8270	10/22/01	SMP	111-44-4	LS
bis(2-Chloroisopropyl)ether	Not detected	mg/L	0.02	8270	10/22/01	SMP	108-60-1	LS
bis(2-Ethylhexyl)phthalate	Not detected	mg/L	0.02	8270	10/22/01	SMP	117-81-7	LS
4-Bromophenyl phenyl ether	Not detected	mg/L	0.02	8270	10/22/01	SMP	101-55-3	LS

L-Higher detection limit due to low sample volume. S-Estimated result due to low surrogate recovery.

Lab Sample ID: S07266.10 (continued)
Sample Tag: MW-11S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Butyl benzyl phthalate	Not detected	mg/L	0.02	8270	10/22/01	SMP	85-68-7	LS
4-Chloroaniline	Not detected	mg/L	0.02	8270	10/22/01	SMP	106-47-8	LS
2-Chloronaphthalene	Not detected	mg/L	0.02	8270	10/22/01	SMP	91-58-7	LS
4-Chloro-3-methylphenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	59-50-7	LS
2-Chlorophenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	95-57-8	LS
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.02	8270	10/22/01	SMP	7005-72-3	LS
Chrysene	Not detected	mg/L	0.02	8270	10/22/01	SMP	218-01-9	LS
p,m-Cresol	Not detected	mg/L	0.02	8270	10/22/01	SMP	106-44-5	LS
o-Cresol	Not detected	mg/L	0.02	8270	10/22/01	SMP	95-48-7	LS
Dibenzo(ah)anthracene	Not detected	mg/L	0.02	8270	10/22/01	SMP	53-70-3	LS
Dibenzofuran	Not detected	mg/L	0.02	8270	10/22/01	SMP	132-64-9	LS
Di-n-Butyl phthalate	Not detected	mg/L	0.02	8270	10/22/01	SMP	84-74-2	LS
1,2-Dichlorobenzene	Not detected	mg/L	0.02	8270	10/22/01	SMP	95-50-1	LS
1,3-Dichlorobenzene	Not detected	mg/L	0.02	8270	10/22/01	SMP	541-73-1	LS
1,4-Dichlorobenzene	Not detected	mg/L	0.02	8270	10/22/01	SMP	106-46-7	LS
3,3'-Dichlorobenzidine	Not detected	mg/L	0.02	8270	10/22/01	SMP	91-94-1	LS
2,4-Dichlorophenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	120-83-2	LS
Diethyl phthalate	Not detected	mg/L	0.02	8270	10/22/01	SMP	84-66-2	LS
2,4-Dimethylphenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	105-67-9	LS
Dimethyl phthalate	Not detected	mg/L	0.02	8270	10/22/01	SMP	131-11-3	LS
4,6-Dinitro-2-methylphenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	534-52-1	LS
2,4-Dinitrophenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	51-28-5	LS
2,4-Dinitrotoluene	Not detected	mg/L	0.02	8270	10/22/01	SMP	121-14-2	LS
2,6-Dinitrotoluene	Not detected	mg/L	0.02	8270	10/22/01	SMP	606-20-2	LS
Di-n-Octyl phthalate	Not detected	mg/L	0.02	8270	10/22/01	SMP	117-84-0	LS
Fluoranthene	Not detected	mg/L	0.02	8270	10/22/01	SMP	206-44-0	LS
Fluorene	Not detected	mg/L	0.02	8270	10/22/01	SMP	86-73-7	LS
Hexachlorobenzene	Not detected	mg/L	0.02	8270	10/22/01	SMP	118-74-1	LS
Hexachlorobutadiene	Not detected	mg/L	0.02	8270	10/22/01	SMP	87-68-3	LS
Hexachlorocyclopentadiene	Not detected	mg/L	0.02	8270	10/22/01	SMP	77-47-4	LS
Hexachloroethane	Not detected	mg/L	0.02	8270	10/22/01	SMP	67-72-1	LS
Indeno(1,2,3-cd)pyrene	Not detected	mg/L	0.02	8270	10/22/01	SMP	193-39-5	LS
Isophorone	Not detected	mg/L	0.02	8270	10/22/01	SMP	78-59-1	LS
2-Methylnaphthalene	Not detected	mg/L	0.02	8270	10/22/01	SMP	91-57-6	LS
Naphthalene	Not detected	mg/L	0.02	8270	10/22/01	SMP	91-20-3	LS
2-Nitroaniline	Not detected	mg/L	0.02	8270	10/22/01	SMP	88-74-4	LS
3-Nitroaniline	Not detected	mg/L	0.02	8270	10/22/01	SMP	99-09-2	LS
4-Nitroaniline	Not detected	mg/L	0.02	8270	10/22/01	SMP	100-01-6	LS
Nitrobenzene	Not detected	mg/L	0.02	8270	10/22/01	SMP	98-95-3	LS
2-Nitrophenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	88-75-5	LS
4-Nitrophenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	100-02-7	LS
N-Nitrosodiphenylamine	Not detected	mg/L	0.02	8270	10/22/01	SMP	156-10-5	LS
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.02	8270	10/22/01	SMP	621-64-7	LS
Pentachlorophenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	87-86-5	LS
Phenanthrene	Not detected	mg/L	0.02	8270	10/22/01	SMP	85-01-8	LS
Phenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	108-95-2	LS
Pyrene	Not detected	mg/L	0.02	8270	10/22/01	SMP	129-00-0	LS
1,2,4-Trichlorobenzene	Not detected	mg/L	0.02	8270	10/22/01	SMP	120-82-1	LS

L-Higher detection limit due to low sample volume. S-Estimated result due to low surrogate recovery.

Lab Sample ID: S07266.10 (continued)
Sample Tag: MW-11S

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
2,4,5-Trichlorophenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	95-95-4	LS
2,4,6-Trichlorophenol	Not detected	mg/L	0.02	8270	10/22/01	SMP	88-06-2	LS

H-Higher detection limit due to low sample volume. S-Estimated result due to low surrogate recovery.

Analytical Laboratory Report

Lab Sample ID: S07266.11
Sample Tag: Trip Blank
Collected Date/Time: 10/10/2001 :
Matrix: Liquid
COC Reference: 007619

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	4	4025

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics								
Volatile Organics								
Benzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-43-2	
Bromodichloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-27-4	
Bromoform	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-25-2	
Bromomethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-83-9	
n-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	104-51-8	
sec-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	135-98-8	
tert-Butylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-06-6	
Carbon tetrachloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	56-23-5	
Chlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-90-7	
Chloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-00-3	
Chloroform	Not detected	mg/L	0.001	8260	10/18/01	JGH	67-66-3	
Chloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	74-87-3	
Dibromochloromethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-46-7	
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-34-3	
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	107-06-2	
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	156-60-5	
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	10/18/01	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	10/18/01	JGH	10061-02-6	
Ethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-41-4	
Isopropylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	98-82-8	
p-Isopropyltoluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	99-87-6	
Methylene chloride	Not detected	mg/L	0.005	8260	10/18/01	JGH	75-09-2	
Naphthalene	Not detected	mg/L	0.001	8260	10/18/01	JGH	91-20-3	
n-Propylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	103-65-1	
Styrene	Not detected	mg/L	0.001	8260	10/18/01	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-34-5	
Tetrachloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	127-18-4	
Toluene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-00-5	
Trichloroethene	Not detected	mg/L	0.001	8260	10/18/01	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	mg/L	0.001	8260	10/18/01	JGH	108-67-8	
Vinyl chloride	Not detected	mg/L	0.001	8260	10/18/01	JGH	75-01-4	
o-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	95-47-6	
p,m-Xylene	Not detected	mg/L	0.001	8260	10/18/01	JGH	106-42-3	

Lab Sample ID: S07266.11 (continued)
Sample Tag: Trip Blank

Analysis	Results	Units	MDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Acetone	Not detected	mg/L	0.05	8260	10/18/01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	78-93-3	
Carbon disulfide	Not detected	mg/L	0.05	8260	10/18/01	JGH	75-15-0	
2-Hexanone	Not detected	mg/L	0.05	8260	10/18/01	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	mg/L	0.05	8260	10/18/01	JGH	108-10-1	

Form 0: GC/ECD Injection Log - PCB Aroclor Analysis

Instrument ID: Varian/3400(B)/DB-5
GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Analytical Batch: b011017.1

Index of Applicable Reporting Forms

Form 0: GC/ECD Injection Log - PCB Aroclor Analysis
Form 1: GC/ECD Data Sheet
Form 2: Surrogate Standard Recoveries
Form 3a: Duplicate/Matrix Spike Duplicate Summary
Form 3b: Matrix Spike Summary
Form 4: Method Blank Summary
Form 6: Initial Calibration Data
Form 7b: Calibration Verification Mixture Summary
Supplemental Forms: Chromatographic Data

Filename	*LIMS ID*	*Run Time*	*Sample Comments*	*Mtx*	*QC Type*	*Notes*	*CA*
b011017.01r	sblk-r.01	10/17 01:22 PM	SBLK-R.01	WW	Bl		
b011017.02r	sc1660.01	10/17 01:47 PM	SC1660.01 0.5ppm	WW	CV		
b011017.03r	slcs-w.01	10/17 02:11 PM	SLCS-W.01 w/df:1	WW	MS		
b011017.04r	slcs-w.02	10/17 02:36 PM	SLCS-W.02 w/df:1	WW	MS		
b011017.05r	ss1242.01	10/17 03:01 PM	SS1242.01 0.3ppm	WW			
b011017.06r	sblk-w.01	10/17 03:26 PM	SBLK-W.01 w/df:1	WW	Bl		
b011017.07r	s07272.01	10/17 03:51 PM	S07272.01 900 w/df:1	WW			
b011017.08r	s07266.01	10/17 04:15 PM	S07266.01 1L w/df:1	WW			
b011017.09r	s07266.02	10/17 04:40 PM	S07266.02 990 w/df:1	WW			
b011017.10r	s07266.03	10/17 05:05 PM	S07266.03 990 w/df:1	WW			
b011017.11r	s07266.04	10/17 05:30 PM	S07266.04 900 w/df:1	WW			
b011017.12r	s07266.05	10/17 05:55 PM	S07266.05 990 w/df:1	WW			
b011017.13r	s07266.06	10/17 06:19 PM	S07266.06 990 w/df:1	WW			
b011017.14r	s07266.07	10/17 06:44 PM	S07266.07 990 w/df:1	WW			
b011017.15r	s07266.08	10/17 07:09 PM	S07266.08 990 w/df:1	WW			
b011017.16r	s07266.09	10/17 07:34 PM	S07266.09 1L w/df:1	WW			
b011017.17r	s07266.10	10/17 07:59 PM	S07266.10 500 w/df:1	WW			
b011017.18r	s07268.01	10/17 08:23 PM	S07268.01 930 w/df:1	WW			
b011017.19r	s07268.02	10/17 08:48 PM	S07268.02 970 w/df:1	WW			
b011017.20r	s07268.03	10/17 09:13 PM	S07268.03 970 w/df:1	WW			
b011017.21r	s07268.04	10/17 09:38 PM	S07268.04 940 w/df:1	WW			
b011017.22r	s07268.05	10/17 10:03 PM	S07268.05 970 w/df:1	WW			
b011017.23r	s07268.06	10/17 10:27 PM	S07268.06 970 w/df:1	WW			
b011017.24r	s07272.01	10/17 10:52 PM	S07272.01D 900 w/df:1 dup	WW	Dp		
b011017.25r	sc1660.02	10/17 11:17 PM	SC1660.02 0.5ppm	WW	CV		

Matrix (Mtx) Summary

Water Samples:	17	Soil Samples:	0
Water Duplicates:	1	Soil Duplicates:	0
Water Spikes:	2	Soil Spikes:	0
Water Blanks:	2	Soil Blanks:	0

QC Sample Type Summary

CV: Calibration Verification
MS: Matrix Spike/MS Duplicate
Bl: Blank
Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
R: Reanalyze Sample
S: Surrogate Standard Outlier
C: Concentration Beyond Calibration
T: Exceeds Time Limit
X: Other

Notes Summary

1: Surrogate Standard Outliers (Form 2): 0
2: Matrix Spike Outliers (Form 3b): 0
3: CVM Outliers (Form 7b): 0
4: Raw Data Included (Form 1+Chromatogram)

Batch Comments

[no comments]

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

Instrument ID: Varian/3400(B)/DB-5 Analytical Batch: b011017.1
GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Filename	LIMS ID	SSD Compound	Found/Spiked	%Rec.	LCL/UCL	Matrix
b011017.01r	sblk-r.01	TCX	10.59/10.00	105.9	49.0/134.0	WW
		DCBP	9.87/10.00	98.7	27.0/100.0	
b011017.02r	scl660.01	TCX	5.52/10.00	n/a	49.0/134.0	WW
		DCBP	4.70/10.00	n/a	27.0/100.0	
b011017.03r	slcs-w.01	TCX	8.93/10.00	89.3	49.0/134.0	WW
		DCBP	8.25/10.00	82.5	27.0/100.0	
b011017.04r	slcs-w.02	TCX	8.09/10.00	80.9	49.0/134.0	WW
		DCBP	8.70/10.00	87.0	27.0/100.0	
b011017.05r	ss1242.01	TCX	2.16/10.00	n/a	49.0/134.0	WW
		DCBP	6.53/10.00	n/a	27.0/100.0	
b011017.06r	sblk-w.01	TCX	12.70/10.00	127.0	49.0/134.0	WW
		DCBP	11.07/10.00	110.7	27.0/100.0	
b011017.07r	s07272.01	TCX	10.88/10.00	108.8	49.0/134.0	WW
		DCBP	10.90/10.00	109.0	27.0/100.0	
b011017.08r	s07266.01	TCX	12.88/10.00	128.8	49.0/134.0	WW
		DCBP	11.79/10.00	117.9	27.0/100.0	
b011017.09r	s07266.02	TCX	11.63/10.00	116.3	49.0/134.0	WW
		DCBP	11.71/10.00	117.1	27.0/100.0	
b011017.10r	s07266.03	TCX	13.21/10.00	132.1	49.0/134.0	WW
		DCBP	10.92/10.00	109.2	27.0/100.0	
b011017.11r	s07266.04	TCX	11.34/10.00	113.4	49.0/134.0	WW
		DCBP	11.35/10.00	113.5	27.0/100.0	
b011017.12r	s07266.05	TCX	11.10/10.00	111.0	49.0/134.0	WW
		DCBP	10.14/10.00	101.4	27.0/100.0	
b011017.13r	s07266.06	TCX	12.25/10.00	122.5	49.0/134.0	WW
		DCBP	11.31/10.00	113.1	27.0/100.0	
b011017.14r	s07266.07	TCX	12.26/10.00	122.6	49.0/134.0	WW
		DCBP	11.84/10.00	118.4	27.0/100.0	
b011017.15r	s07266.08	TCX	12.09/10.00	120.9	49.0/134.0	WW
		DCBP	11.13/10.00	111.3	27.0/100.0	
b011017.16r	s07266.09	TCX	12.58/10.00	125.8	49.0/134.0	WW
		DCBP	11.81/10.00	118.1	27.0/100.0	
b011017.17r	s07266.10	TCX	12.19/10.00	121.9	49.0/134.0	WW
		DCBP	10.79/10.00	107.9	27.0/100.0	
b011017.18r	s07268.01	TCX	12.25/10.00	122.5	49.0/134.0	WW
		DCBP	10.71/10.00	107.1	27.0/100.0	
b011017.19r	s07268.02	TCX	11.64/10.00	116.4	49.0/134.0	WW
		DCBP	10.30/10.00	103.0	27.0/100.0	
b011017.20r	s07268.03	TCX	11.99/10.00	119.9	49.0/134.0	WW
		DCBP	11.76/10.00	117.6	27.0/100.0	
b011017.21r	s07268.04	TCX	10.14/10.00	101.4	49.0/134.0	WW
		DCBP	8.95/10.00	89.5	27.0/100.0	
b011017.22r	s07268.05	TCX	12.31/10.00	123.1	49.0/134.0	WW
		DCBP	10.96/10.00	109.6	27.0/100.0	
b011017.23r	s07268.06	TCX	11.25/10.00	112.5	49.0/134.0	WW
		DCBP	10.10/10.00	101.0	27.0/100.0	
b011017.24r	s07272.01	TCX	10.68/10.00	106.8	49.0/134.0	WW
		DCBP	11.42/10.00	114.2	27.0/100.0	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

Instrument ID: Varian/3400(B)/DB-5 Analytical Batch: b011017.1
GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Filename	LIMS ID	SSD Compound	Found/Spiked	%Rec.	LCL/UCL	Matrix
b011017.25r	sc1660.02	TCX	5.72/10.00	n/a	49.0/134.0	WW
		DCBP	5.66/10.00	n/a	27.0/100.0	

NOTES

*: Surrogate recovery outside of laboratory-established control limits
n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 3a: Duplicate/Matrix Spike Duplicate Summary

Instrument ID: Varian/3400(B)/DB-5 Analytical Batch: b011017.1
GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

File Name	LIMS ID	Sample Name	Target Compound	Dup/Samp Conc.	%RPD	Matrix
b011017.24r	s07272.01	**b011017.07r**	1016-1	0.026/ 0.028	7.4	WW
			1016-3	0.007/ 0.006	15.4	
			1016-4	0.019/ 0.019	0.0	
			[end of list]			

Form 3b: Matrix Spike Summary

Instrument ID: Varian/3400(B)/DB-5
GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Analytical Batch: b011017.1

File Name	LIMS ID	Sample Name	Target Compound	MS/Samp Conc.	%Rec	LCL/UCL	Mat.
b011017.03r	slcs-w.01	**b011017.06r**	1016-1	0.436/ 0.000	87.2		WW
			1016-2	0.440/ 0.000	88.0		
			1016-3	0.440/ 0.000	88.0		
			1016-4	0.453/ 0.000	90.6		
			1016-5	0.481/ 0.017	92.8		
			1260-1	0.387/ 0.000	77.4		
			1260-2	0.415/ 0.000	83.0		
			1260-3	0.412/ 0.000	82.4		
			1260-4	0.431/ 0.000	86.2		
			1260-5	0.484/ 0.004	96.0		
				Average Recovery	**87.2**	59.0/116.0	
b011017.04r	slcs-w.02	**b011017.06r**	1016-1	0.447/ 0.000	89.4		WW
			1016-2	0.466/ 0.000	93.2		
			1016-3	0.458/ 0.000	91.6		
			1016-4	0.456/ 0.000	91.2		
			1016-5	0.480/ 0.017	92.6		
			1260-1	0.405/ 0.000	81.0		
			1260-2	0.425/ 0.000	85.0		
			1260-3	0.420/ 0.000	84.0		
			1260-4	0.426/ 0.000	85.2		
			1260-5	0.486/ 0.004	96.4		
				Average Recovery	**89.0**	59.0/116.0	

NOTES

*: LCS/Matrix Spike recovery outside of laboratory-established control limits

Form 4: Method Blank Summary

Instrument ID: Varian/3400(B)/DB-5 Analytical Batch: b011017.1
GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Filename	*LIMS ID*	*Run Time*	*Target Compound*	*Conc.*	*Matrix*
b011017.01r	sblk-r.01	10/17 01:22 PM	1016-2	0.011	WW
			1260-2	0.013	
			[end of list]	0.000	
b011017.06r	sblk-w.01	10/17 03:26 PM	1016-1	0.021	WW
			1016-2	0.009	
			1016-3	0.012	
			1016-4	0.017	
			1260-2	0.006	
			1260-4	0.004	
			[end of list]	0.000	

Form 6: Initial Calibration Data

Instrument ID: Varian/3400(B)/DB-5 Analytical Batch: b011017.1

GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Filename	Compound	Fit	RT- <CF>	RT %RSD	RT+ COD	C(1) CF(1)	C(2) CF(2)	C(3) CF(3)	C(4) CF(4)	C(5) CF(5)	C(6) CF(6)	k(0) k(2)	k(1) k(3)
b42010801.cal	TCX	A	1.19	1.26	1.33	2.00	4.00	6.00	8.00	10.00			0.126
			0.126	7.53		0.11	0.12	0.13	0.13	0.14			
	1242-1	A	1.86	1.93	2.00	0.20	0.40	0.60	0.80	1.00			1.658
			1.658	3.22		1.72	1.66	1.63	1.59	1.70			
	1242-2	A	2.09	2.16	2.23	0.20	0.40	0.60	0.80	1.00			1.144
			1.144	2.61		1.15	1.14	1.13	1.11	1.19			
	1242-3	A	2.48	2.55	2.62	0.20	0.40	0.60	0.80	1.00			3.971
			3.971	3.29		3.81	3.94	4.00	3.94	4.17			
	1242-4	A	2.64	2.71	2.78	0.20	0.40	0.60	0.80	1.00			1.588
			1.588	2.81		1.62	1.59	1.56	1.53	1.64			
	1242-5	A	3.83	3.90	3.97	0.20	0.40	0.60	0.80	1.00			1.543
			1.543	2.75		1.58	1.56	1.53	1.47	1.58			
	DCBP	A	15.3	15.4	15.5	2.00	4.00	6.00	8.00	10.00			0.089
			0.089	8.74		0.10	0.08	0.08	0.10	0.08			
b66011010.cal	TCX	A	1.16	1.23	1.30	1.00	3.00	5.00	8.00	10.00			0.036
			0.036	10.2		0.04	0.04	0.04	0.03	0.03			
	1016-1	A	1.83	1.90	1.97	0.10	0.30	0.50	0.80	1.00			1.711
			1.711	8.74		1.97	1.72	1.63	1.62	1.62			
	1016-2	A	2.06	2.13	2.20	0.10	0.30	0.50	0.80	1.00			1.241
			1.241	6.17		1.37	1.26	1.20	1.19	1.20			
	1016-3	A	2.44	2.51	2.58	0.10	0.30	0.50	0.80	1.00			4.095
			4.095	6.23		4.54	3.98	3.91	4.00	4.05			
	1016-4	A	2.60	2.67	2.74	0.10	0.30	0.50	0.80	1.00			1.798
			1.798	9.00		2.08	1.81	1.71	1.70	1.70			
	1016-5	A	3.79	3.86	3.93	0.10	0.30	0.50	0.80	1.00			1.465
			1.465	8.77		1.69	1.45	1.38	1.41	1.40			
	1260-1	A	7.81	7.88	7.95	0.10	0.30	0.50	0.80	1.00			6.391
			6.391	6.95		6.93	5.78	6.16	6.43	6.65			
	1260-2	A	8.60	8.67	8.74	0.10	0.30	0.50	0.80	1.00			7.386
			7.386	5.83		7.75	6.82	7.04	7.60	7.73			
	1260-3	A	9.12	9.19	9.26	0.10	0.30	0.50	0.80	1.00			4.947
			4.947	8.58		4.64	4.54	4.76	5.32	5.48			
	1260-4	A	10.7	10.7	10.8	0.10	0.30	0.50	0.80	1.00			12.437
			12.44	13.1		10.02	11.63	12.85	13.93	13.76			
	1260-5	A	11.5	11.6	11.6	0.10	0.30	0.50	0.80	1.00			4.731
			4.731	9.81		4.41	4.28	4.53	5.09	5.35			
	DCBP	A	15.3	15.3	15.4	1.00	3.00	5.00	8.00	10.00			0.071
			0.071	10.4		0.08	0.06	0.07	0.07	0.08			

CALIBRATION EQUATIONS

Average Fit : A = <CF>C

Power Law Fit : A = k(1)C^k(0)

Polynomial Fit: A = k(0)+k(1)C+k(2)C^2+k(3)C^3

NOTATION

A : peak area or height

C : analyte concentration

CF : calibration factor x 1e-6 (A/C)

k(i): calibration constant x 1e-6

CALIBRATION ABBREVIATIONS

A : Average Fit

PW: Power Law Fit

L : Linear (Polynomial) Fit

Q : Quadratic (Polynomial) Fit

C : Cubic (Polynomial) Fit

Calibration (1): b42010801.cal (Mean %RSD: 4.42)

Calibration (2): b66011010.cal (Mean %RSD: 8.65)

Form 7b: Calibration Verification Mixture

Instrument ID: Varian/3400(B)/DB-5
GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Analytical Batch: b011017.1

Filename	LIMS ID	Run Time	CVM Component	Δ RT/Win.	CVM Conc.	CVM %D/ UCL
b011017.02r	sc1660.01	10/17 01:47 PM	1016-1	0.02/0.07	0.500/0.500	0.0
			1016-2	0.01/0.07	0.519/0.500	3.8
			1016-3	0.02/0.07	0.500/0.500	0.0
			1016-4	0.02/0.07	0.493/0.500	1.4
			1016-5	0.02/0.07	0.525/0.500	5.0
			1260-1	0.03/0.07	0.509/0.500	1.8
			1260-2	0.02/0.07	0.475/0.500	5.0
			1260-3	0.03/0.07	0.479/0.500	4.2
			1260-4	0.01/0.07	0.509/0.500	1.8
			1260-5	0.04/0.07	0.539/0.500	7.8
					Average	**1.0/ 15.0**
b011017.25r	sc1660.02	10/17 11:17 PM	1016-1	0.01/0.07	0.523/0.500	4.6
			1016-2	0.01/0.07	0.529/0.500	5.8
			1016-3	0.01/0.07	0.532/0.500	6.4
			1016-4	0.01/0.07	0.520/0.500	4.0
			1016-5	0.02/0.07	0.553/0.500	10.6
			1260-1	0.01/0.07	0.548/0.500	9.6
			1260-2	0.01/0.07	0.526/0.500	5.2
			1260-3	0.02/0.07	0.547/0.500	9.4
			1260-4	0.00/0.07	0.602/0.500	20.4
			1260-5	0.02/0.07	0.581/0.500	16.2
					Average	**9.2/ 15.0**

NOTES
*: Calibration check drift outside of method-established control limits

Metals Quality Control
Sample Summary

Data Set ID: 01-1030A
Analysis Date: Oct 30 2001

FECL Sample #s	Comments
07285.01	

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control
Sequence Log

Data Set ID: 01-1030A
Analysis Date: Oct 30 2001

Sequence ID	Sample Name	QC Type
001.D#	Blank	
002.D#	std-0.00	
003.D#	std-0.02	
004.D#	std-0.05	
005.D#	std-0.20	
006.D#	ICV-0.10	ICV
007.D#	ICB	ICB
008.D#	BS-0.010	BS
009.D#	CCV1-0.10	CCV
010.D#	CCB1	CCB
011.D#	10/29 LCS1-0.05 ppm	LCS
012.D#	10/29 LRB1	LRB
013.D#	07285.01s	
014.D#	07285.01 Dp	DP
015.D#	07285.01 MS-0.10	MS
016.D#	CCV2-0.10	CCV
017.D#	CCB2	CCB

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: ICV **Seq ID:** 006.D# **Sample ID:** ICV-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Pb	0.102	0.10	102	90	110	

Initial Calibration Source: SPEX
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: ICB **Seq ID:** 007.D# **Sample ID:** ICB

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: BS **Seq ID:** 008.D# **Sample ID:** BS-0.010

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Pb	0.0100	0.010	100	70	130	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: CCV **Seq ID:** 009.D# **Sample ID:** CCV1-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Pb	0.100	0.10	100	90	110	

Continuing Calibration Source: High Purity Standards
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: CCB **Seq ID:** 010.D# **Sample ID:** CCB1

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: LCS **Seq ID:** 011.D# **Sample ID:** 10/29 LCS1-0.05 ppm

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Pb	0.0482	0.05	96	85	115	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: LRB **Seq ID:** 012.D# **Sample ID:** 10/29 LRB1

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: DP **Seq ID:** 014.D# **Sample ID:** 07285.01 Dp **Original Sample:** 013.D# 07285.01s

Units: ppm **Matrix:** Soil **Dilution:** 204.00

Element	Sample Conc.	Dup Conc.	RPD	LCL	UCL	Flag
Pb	11.0	10.6	4	0	20	

NC = non-calculable due to concs. less than DL
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: MS **Seq ID:** 015.D# **Sample ID:** 07285.01 MS-0.10 **Original Sample:** 013.D# 07285.01s

Units: ppm **Matrix:** Soil **Dilution:** 193.00 **Conc of Spike:** 0.10

Element	Sample Conc.	Spike Amount	MS Conc.	% Rec	LCL	UCL	Flag
Pb	11.0	19.30	28.1	89	74	125	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER

Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: CCV **Seq ID:** 016.D# **Sample ID:** CCV2-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Pb	0.0986	0.10	99	90	110	

Continuing Calibration Source: High Purity Standards
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1030A **Analysis Date:** Oct 30 2001

QC Type: CCB **Seq ID:** 017.D# **Sample ID:** CCB2

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control
Sample Summary

Data Set ID: 01-1017B
Analysis Date: Oct 17 2001

FECL Sample #s	Comments
07239.01	
07252.01-07252.04	
07265.01-07265.02	
07265.04	
07266.01-07266.10	
07270.01	
07272.01	
07273.01-07273.05	
07274.01-07274.05	
07275.01-07275.08	
07276.01-07276.02	
07292.05	
07295.01	

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control
Sequence Log

Data Set ID: 01-1017B
Analysis Date: Oct 17 2001

Sequence ID	Sample Name	QC Type
001.D#	Blank	
002.D#	std-0.00	
003.D#	std-0.02	
004.D#	std-0.05	
005.D#	std-0.20	
006.D#	ICV-0.10	ICV
007.D#	ICB	ICB
008.D#	BS-0.010	BS
009.D#	CCV1-0.10	CCV
010.D#	CCB1	CCB
011.D#	10/16 LCS1-0.05 ppm	LCS
012.D#	10/16 LRB1	LRB
013.D#	TCLP-BLK	
014.D#	07239.01s	
015.D#	07239.01 Dp	DP
016.D#	07239.01 MS-0.05	MS
017.D#	Rinse	
018.D#	07252.01s	
019.D#	07252.02s	
020.D#	07252.03s	
021.D#	07252.04s	
022.D#	CCV2-0.10	CCV
023.D#	CCB2	CCB
024.D#	10/17 LCS1-0.05 ppm	LCS
025.D#	10/17 LRB1	LRB
026.D#	07266.01s	
027.D#	07266.02s	
028.D#	07266.03s	
029.D#	07266.04s	
030.D#	07266.05s	
031.D#	07266.06s	
032.D#	07266.07s	
033.D#	07266.08s	
034.D#	07266.09s	
035.D#	07266.10s	
036.D#	07266.10 Dp	DP
037.D#	07266.10 MS-0.05	MS
038.D#	CCV3-0.10	CCV
039.D#	CCB3	CCB
040.D#	Blank	
041.D#	std-0.00	
042.D#	std-0.02	
043.D#	std-0.05	
044.D#	std-0.20	

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control
Sequence Log

Data Set ID: 01-1017B
Analysis Date: Oct 17 2001

Sequence ID	Sample Name	QC Type
045.D#	ICV-0.10	ICV
046.D#	ICB	ICB
047.D#	07270.01s	
048.D#	07272.01s	
049.D#	07272.01- Ck	
050.D#	07273.01s	
051.D#	07273.02s	
052.D#	07273.03s	
053.D#	07273.04s	
054.D#	07273.05s	
055.D#	07274.01s	
056.D#	07274.02s	
057.D#	07274.03s	
058.D#	07274.03 Dp	DP
059.D#	07274.03 MS-0.05	MS
060.D#	CCV4-0.10	CCV
061.D#	CCB4	CCB
062.D#	10/17 LCS2-0.05 ppm	LCS
063.D#	10/17 LRB2	LRB
064.D#	07274.04s	
065.D#	07274.05s	
066.D#	07275.01s	
067.D#	07275.02s	
068.D#	07275.03s	
069.D#	07275.04s	
070.D#	07275.05s	
071.D#	07275.06s	
072.D#	07275.07s	
073.D#	07275.08s	
074.D#	07275.08 Dp	DP
075.D#	07275.08 MS-0.05	MS
076.D#	CCV5-0.10	CCV
077.D#	CCB5	CCB
078.D#	07276.01s	
079.D#	07276.02s	
080.D#	07292.05s	
081.D#	07295.01s	
082.D#	07295.01 Dp	DP
083.D#	07295.01 MS-0.05	MS
084.D#	Rinse	
085.D#	07265.01s	
086.D#	07265.02s	
087.D#	07265.04s	
088.D#	07265.04 MS-0.05	MS

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control
Sequence Log

Data Set ID: 01-1017B
Analysis Date: Oct 17 2001

Sequence ID	Sample Name	QC Type
089.D#	CCB6	CCB
090.D#	CCV6-0.10	CCV

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: ICV **Seq ID:** 006.D# **Sample ID:** ICV-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.101	0.10	101	90	110	
Ni	0.100	0.10	100	90	110	
Cu	0.102	0.10	102	90	110	
Zn	0.102	0.10	102	90	110	
As	0.100	0.10	100	90	110	
Se	0.102	0.10	102	90	110	
Mo	0.101	0.10	101	90	110	
Ag	0.102	0.10	102	90	110	
Cd	0.101	0.10	101	90	110	
Ba	0.101	0.10	101	90	110	
Pb	0.102	0.10	102	90	110	

Initial Calibration Source: SPEX
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: ICB **Seq ID:** 007.D# **Sample ID:** ICB

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: BS **Seq ID:** 008.D# **Sample ID:** BS-0.010

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.0101	0.010	101	70	130	
Ni	0.00996	0.010	100	70	130	
Cu	0.0102	0.010	102	70	130	
Zn	0.0104	0.010	104	70	130	
As	0.0102	0.010	102	70	130	
Se	0.00913	0.010	91	70	130	
Mo	0.00948	0.010	95	70	130	
Ag	0.00993	0.010	99	70	130	
Cd	0.00976	0.010	98	70	130	
Ba	0.00988	0.010	99	70	130	
Pb	0.00988	0.010	99	70	130	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER

Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCV **Seq ID:** 009.D# **Sample ID:** CCV1-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.0999	0.10	100	90	110	
Ni	0.0991	0.10	99	90	110	
Cu	0.100	0.10	100	90	110	
Zn	0.0990	0.10	99	90	110	
As	0.0998	0.10	100	90	110	
Se	0.100	0.10	100	90	110	
Mo	0.0969	0.10	97	90	110	
Ag	0.101	0.10	101	90	110	
Cd	0.0986	0.10	99	90	110	
Ba	0.0977	0.10	98	90	110	
Pb	0.0987	0.10	99	90	110	

Continuing Calibration Source: High Purity Standards
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCB **Seq ID:** 010.D# **Sample ID:** CCB1

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: LCS **Seq ID:** 011.D# **Sample ID:** 10/16 LCS1-0.05 ppm

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.0506	0.05	101	85	115	
Ni	0.0508	0.05	102	85	115	
Cu	0.0508	0.05	102	85	115	
Zn	0.0494	0.05	99	85	115	
As	0.0502	0.05	100	85	115	
Se	0.0478	0.05	96	85	115	
Mo	0.0489	0.05	98	85	115	
Ag	0.0483	0.05	97	85	115	
Cd	0.0492	0.05	98	85	115	
Ba	0.0495	0.05	99	85	115	
Pb	0.0492	0.05	98	85	115	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER

Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: LRB **Seq ID:** 012.D# **Sample ID:** 10/16 LRB1

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: DP **Seq ID:** 015.D# **Sample ID:** 07239.01 Dp **Original Sample:** 014.D# 07239.01s

Units: ppm **Matrix:** Liquid **Dilution:** 25.00

Element	Sample Conc.	Dup Conc.	RPD	LCL	UCL	Flag
Cr	<0.005	<0.005	NC	0	20	
Ni	0.173	0.176	2	0	20	
Cu	0.0124	0.0118	5	0	20	
Zn	8.20	8.15	1	0	20	
As	0.00947	0.00963	2	0	20	
Se	<0.005	<0.005	NC	0	20	
Mo	<0.005	<0.005	NC	0	20	
Ag	<0.0005	<0.0005	NC	0	20	
Cd	0.0147	0.0145	1	0	20	
Ba	2.43	2.39	2	0	20	
Pb	0.0119	0.0119	0	0	20	

NC = non-calculable due to concs. less than DL
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: MS **Seq ID:** 016.D# **Sample ID:** 07239.01 MS-0.05 **Original Sample:** 014.D# 07239.01s

Units: ppm **Matrix:** Liquid **Dilution:** 25.00 **Conc of Spike:** 0.05

Element	Sample Conc.	Spike Amount	MS Conc.	% Rec	LCL	UCL	Flag
Cr	<0.005	1.25	1.26	101	75	125	
Ni	0.173	1.25	1.41	99	75	125	
Cu	0.0124	1.25	1.24	98	75	125	
Zn	8.20	1.25	9.45	100	75	125	
As	0.00947	1.25	1.23	98	75	125	
Se	<0.005	1.25	1.21	97	75	125	
Mo	<0.005	1.25	1.27	102	75	125	
Ag	<0.0005	1.25	1.23	98	75	125	
Cd	0.0147	1.25	1.27	100	75	125	
Ba	2.43	1.25	3.65	98	75	125	
Pb	0.0119	1.25	1.20	95	75	125	

Analyst: PAUL ROETTGER

Flag *** indicates QC out of control

Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCV **Seq ID:** 022.D# **Sample ID:** CCV2-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.103	0.10	103	90	110	
Ni	0.101	0.10	101	90	110	
Cu	0.0997	0.10	100	90	110	
Zn	0.0974	0.10	97	90	110	
As	0.0972	0.10	97	90	110	
Se	0.0976	0.10	98	90	110	
Mo	0.0957	0.10	96	90	110	
Ag	0.102	0.10	102	90	110	
Cd	0.101	0.10	101	90	110	
Ba	0.0990	0.10	99	90	110	
Pb	0.0982	0.10	98	90	110	

Continuing Calibration Source: High Purity Standards
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCB **Seq ID:** 023.D# **Sample ID:** CCB2

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: LCS **Seq ID:** 024.D# **Sample ID:** 10/17 LCS1-0.05 ppm

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.0503	0.05	101	85	115	
Ni	0.0504	0.05	101	85	115	
Cu	0.0496	0.05	99	85	115	
Zn	0.0483	0.05	97	85	115	
As	0.0477	0.05	95	85	115	
Se	0.0474	0.05	95	85	115	
Mo	0.0470	0.05	94	85	115	
Ag	0.0505	0.05	101	85	115	
Cd	0.0506	0.05	101	85	115	
Ba	0.0495	0.05	99	85	115	
Pb	0.0488	0.05	98	85	115	

Analyst: PAUL ROETTGER

Flag *** indicates QC out of control

Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: LRB **Seq ID:** 025.D# **Sample ID:** 10/17 LRB1

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: DP **Seq ID:** 036.D# **Sample ID:** 07266.10 Dp **Original Sample:** 035.D# 07266.10s

Units: ppm **Matrix:** Liquid **Dilution:** 5.00

Element	Sample Conc.	Dup Conc.	RPD	LCL	UCL	Flag
Cr	<0.005	<0.005	NC	0	20	
Ni	0.0273	0.0274	0	0	20	
Cu	<0.005	<0.005	NC	0	20	
Zn	0.0133	0.0138	4	0	20	
As	0.0190	0.0181	5	0	20	
Se	<0.005	<0.005	NC	0	20	
Mo	0.108	0.110	2	0	20	
Ag	<0.0005	<0.0005	NC	0	20	
Cd	<0.0002	<0.0002	NC	0	20	
Ba	0.343	0.337	2	0	20	
Pb	<0.001	<0.001	NC	0	20	

NC = non-calculable due to concs. less than DL
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: MS **Seq ID:** 037.D# **Sample ID:** 07266.10 MS-0.05 **Original Sample:** 035.D# 07266.10s

Units: ppm **Matrix:** Liquid **Dilution:** 5.00 **Conc of Spike:** 0.05

Element	Sample Conc.	Spike Amount	MS Conc.	% Rec	LCL	UCL	Flag
Cr	<0.005	0.25	0.256	102	75	125	
Ni	0.0273	0.25	0.269	97	75	125	
Cu	<0.005	0.25	0.242	97	75	125	
Zn	0.0133	0.25	0.241	91	75	125	
As	0.0190	0.25	0.261	97	75	125	
Se	<0.005	0.25	0.228	91	75	125	
Mo	0.108	0.25	0.371	105	75	125	
Ag	<0.0005	0.25	0.252	101	75	125	
Cd	<0.0002	0.25	0.253	101	75	125	
Ba	0.343	0.25	0.595	101	75	125	
Pb	<0.001	0.25	0.237	95	75	125	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER

Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCV **Seq ID:** 038.D# **Sample ID:** CCV3-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.102	0.10	102	90	110	
Ni	0.0996	0.10	100	90	110	
Cu	0.0982	0.10	98	90	110	
Zn	0.0974	0.10	97	90	110	
As	0.0954	0.10	95	90	110	
Se	0.0954	0.10	95	90	110	
Mo	0.0978	0.10	98	90	110	
Ag	0.102	0.10	102	90	110	
Cd	0.102	0.10	102	90	110	
Ba	0.0996	0.10	100	90	110	
Pb	0.0993	0.10	99	90	110	

Continuing Calibration Source: High Purity Standards
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCB **Seq ID:** 039.D# **Sample ID:** CCB3

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: ICV **Seq ID:** 045.D# **Sample ID:** ICV-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.101	0.10	101	90	110	
Ni	0.1000	0.10	100	90	110	
Cu	0.102	0.10	102	90	110	
Zn	0.101	0.10	101	90	110	
As	0.103	0.10	103	90	110	
Se	0.101	0.10	101	90	110	
Mo	0.103	0.10	103	90	110	
Ag	0.103	0.10	103	90	110	
Cd	0.101	0.10	101	90	110	
Ba	0.102	0.10	102	90	110	
Pb	0.102	0.10	102	90	110	

Initial Calibration Source: SPEX
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: ICB **Seq ID:** 046.D# **Sample ID:** ICB

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: DP **Seq ID:** 058.D# **Sample ID:** 07274.03 Dp **Original Sample:** 057.D# 07274.03s

Units: ppm **Matrix:** Liquid **Dilution:** 5.00

Element	Sample Conc.	Dup Conc.	RPD	LCL	UCL	Flag
Cr	<0.005	<0.005	NC	0	20	
Ni	0.00173	0.00172	1	0	20	
Cu	0.0237	0.0236	0	0	20	
Zn	0.0574	0.0556	3	0	20	
As	<0.001	<0.001	NC	0	20	
Se	<0.005	<0.005	NC	0	20	
Mo	0.774	0.789	2	0	20	
Ag	<0.0005	<0.0005	NC	0	20	
Cd	<0.0002	<0.0002	NC	0	20	
Ba	0.0591	0.0597	1	0	20	
Pb	<0.001	<0.001	NC	0	20	

NC = non-calculable due to concs. less than DL
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: MS **Seq ID:** 059.D# **Sample ID:** 07274.03 MS-0.05 **Original Sample:** 057.D# 07274.03s

Units: ppm **Matrix:** Liquid **Dilution:** 5.00 **Conc of Spike:** 0.05

Element	Sample Conc.	Spike Amount	MS Conc.	% Rec	LCL	UCL	Flag
Cr	<0.005	0.25	0.249	100	75	125	
Ni	0.00173	0.25	0.240	95	75	125	
Cu	0.0237	0.25	0.265	97	75	125	
Zn	0.0574	0.25	0.299	97	75	125	
As	<0.001	0.25	0.252	101	75	125	
Se	<0.005	0.25	0.250	100	75	125	
Mo	0.774	0.25	1.05	110	75	125	
Ag	<0.0005	0.25	0.248	99	75	125	
Cd	<0.0002	0.25	0.246	98	75	125	
Ba	0.0591	0.25	0.312	101	75	125	
Pb	<0.001	0.25	0.241	96	75	125	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER

Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCV **Seq ID:** 060.D# **Sample ID:** CCV4-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.0993	0.10	99	90	110	
Ni	0.0990	0.10	99	90	110	
Cu	0.0992	0.10	99	90	110	
Zn	0.0990	0.10	99	90	110	
As	0.0994	0.10	99	90	110	
Se	0.101	0.10	101	90	110	
Mo	0.103	0.10	103	90	110	
Ag	0.100	0.10	100	90	110	
Cd	0.0991	0.10	99	90	110	
Ba	0.0979	0.10	98	90	110	
Pb	0.101	0.10	101	90	110	

Continuing Calibration Source: High Purity Standards
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCB **Seq ID:** 061.D# **Sample ID:** CCB4

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: LCS **Seq ID:** 062.D# **Sample ID:** 10/17 LCS2-0.05 ppm

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.0498	0.05	100	85	115	
Ni	0.0498	0.05	100	85	115	
Cu	0.0504	0.05	101	85	115	
Zn	0.0505	0.05	101	85	115	
As	0.0511	0.05	102	85	115	
Se	0.0499	0.05	100	85	115	
Mo	0.0497	0.05	99	85	115	
Ag	0.0505	0.05	101	85	115	
Cd	0.0492	0.05	98	85	115	
Ba	0.0490	0.05	98	85	115	
Pb	0.0509	0.05	102	85	115	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER

Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: LRB **Seq ID:** 063.D# **Sample ID:** 10/17 LRB2

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: DP **Seq ID:** 074.D# **Sample ID:** 07275.08 Dp **Original Sample:** 073.D# 07275.08s

Units: ppm **Matrix:** Liquid **Dilution:** 5.00

Element	Sample Conc.	Dup Conc.	RPD	LCL	UCL	Flag
Cr	<0.005	<0.005	NC	0	20	
Ni	<0.001	<0.001	NC	0	20	
Cu	0.00663	0.00668	1	0	20	
Zn	0.105	0.104	1	0	20	
As	<0.001	<0.001	NC	0	20	
Se	<0.005	<0.005	NC	0	20	
Mo	<0.005	<0.005	NC	0	20	
Ag	<0.0005	<0.0005	NC	0	20	
Cd	<0.0002	<0.0002	NC	0	20	
Ba	0.0246	0.0240	2	0	20	
Pb	<0.001	<0.001	NC	0	20	

NC = non-calculable due to concs. less than DL
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: MS **Seq ID:** 075.D# **Sample ID:** 07275.08 MS-0.05 **Original Sample:** 073.D# 07275.08s

Units: ppm **Matrix:** Liquid **Dilution:** 5.00 **Conc of Spike:** 0.05

Element	Sample Conc.	Spike Amount	MS Conc.	% Rec	LCL	UCL	Flag
Cr	<0.005	0.25	0.252	101	75	125	
Ni	<0.001	0.25	0.248	99	75	125	
Cu	0.00663	0.25	0.258	101	75	125	
Zn	0.105	0.25	0.346	96	75	125	
As	<0.001	0.25	0.242	97	75	125	
Se	<0.005	0.25	0.241	96	75	125	
Mo	<0.005	0.25	0.248	99	75	125	
Ag	<0.0005	0.25	0.247	99	75	125	
Cd	<0.0002	0.25	0.241	96	75	125	
Ba	0.0246	0.25	0.259	94	75	125	
Pb	<0.001	0.25	0.259	104	75	125	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCV **Seq ID:** 076.D# **Sample ID:** CCV5-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.100	0.10	100	90	110	
Ni	0.1000	0.10	100	90	110	
Cu	0.100	0.10	100	90	110	
Zn	0.0993	0.10	99	90	110	
As	0.0992	0.10	99	90	110	
Se	0.0995	0.10	100	90	110	
Mo	0.0988	0.10	99	90	110	
Ag	0.0998	0.10	100	90	110	
Cd	0.0973	0.10	97	90	110	
Ba	0.0938	0.10	94	90	110	
Pb	0.102	0.10	102	90	110	

Continuing Calibration Source: High Purity Standards
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCB **Seq ID:** 077.D# **Sample ID:** CCB5

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: DP **Seq ID:** 082.D# **Sample ID:** 07295.01 Dp **Original Sample:** 081.D# 07295.01s

Units: ppm **Matrix:** Liquid **Dilution:** 5.00

Element	Sample Conc.	Dup Conc.	RPD	LCL	UCL	Flag
Cr	<0.005	<0.005	NC	0	20	
Ni	0.00442	0.00435	2	0	20	
Cu	0.0208	0.0205	1	0	20	
Zn	0.122	0.121	1	0	20	
As	<0.001	<0.001	NC	0	20	
Se	0.0110	0.00955	14	0	20	
Ag	<0.0005	<0.0005	NC	0	20	
Cd	<0.0002	<0.0002	NC	0	20	
Ba	0.274	0.271	1	0	20	
Pb	<0.001	<0.001	NC	0	20	

NC = non-calculable due to concs. less than DL
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: MS **Seq ID:** 083.D# **Sample ID:** 07295.01 MS-0.05 **Original Sample:** 081.D# 07295.01s

Units: ppm **Matrix:** Liquid **Dilution:** 5.00 **Conc of Spike:** 0.05

Element	Sample Conc.	Spike Amount	MS Conc.	% Rec	LCL	UCL	Flag
Cr	<0.005	0.25	0.247	99	75	125	
Ni	0.00442	0.25	0.241	95	75	125	
Cu	0.0208	0.25	0.258	95	75	125	
Zn	0.122	0.25	0.341	88	75	125	
As	<0.001	0.25	0.244	98	75	125	
Se	0.0110	0.25	0.235	90	75	125	
Ag	<0.0005	0.25	0.241	96	75	125	
Cd	<0.0002	0.25	0.237	95	75	125	
Ba	0.274	0.25	0.525	100	75	125	
Pb	<0.001	0.25	0.243	97	75	125	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: MS **Seq ID:** 088.D# **Sample ID:** 07265.04 MS-0.05 **Original Sample:** 087.D# 07265.04s

Units: ppm **Matrix:** Liquid **Dilution:** 25.00 **Conc of Spike:**

Element	Sample Conc.	Spike Amount	MS Conc.	% Rec	LCL	UCL	Flag
Cr	0.00525	1.25	1.27	101	75	125	
Ni	0.00203	1.25	1.26	101	75	125	
Cu	0.0261	1.25	1.28	100	75	125	
Zn	6.84	1.25	8.01	94	75	125	
As	0.00388	1.25	1.24	99	75	125	
Se	<0.005	1.25	1.09	87	75	125	
Mo	<0.005	1.25	1.31	105	75	125	
Ag	<0.0005	1.25	1.14	91	75	125	
Cd	<0.0002	1.25	1.20	96	75	125	
Ba	1.61	1.25	2.81	96	75	125	
Pb	0.00266	1.25	1.23	98	75	125	

Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCB **Seq ID:** 089.D# **Sample ID:** CCB6

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Flag
Cr	<0.001	
Ni	<0.001	
Cu	<0.002	
Zn	<0.001	
As	<0.001	
Se	<0.001	
Mo	<0.005	
Ag	<0.0005	
Cd	<0.0002	
Ba	<0.001	
Pb	<0.001	

Limits for Blanks are 3x the IDL or less than the RDL for liquid samples.
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Metals Quality Control

Data Set ID: 01-1017B **Analysis Date:** Oct 17 2001

QC Type: CCV **Seq ID:** 090.D# **Sample ID:** CCV6-0.10

Units: ppm **Matrix:** Liquid **Dilution:** 1.00

Element	Sample Conc.	Actual Conc.	% Rec	LCL	UCL	Flag
Cr	0.101	0.10	101	90	110	
Ni	0.102	0.10	102	90	110	
Cu	0.101	0.10	101	90	110	
Zn	0.100	0.10	100	90	110	
As	0.0993	0.10	99	90	110	
Se	0.0999	0.10	100	90	110	
Mo	0.0978	0.10	98	90	110	
Ag	0.0983	0.10	98	90	110	
Cd	0.0971	0.10	97	90	110	
Ba	0.0942	0.10	94	90	110	
Pb	0.102	0.10	102	90	110	

Continuing Calibration Source: High Purity Standards
Flag *** indicates QC out of control

Analyst: PAUL ROETTGER
Instrument: HP ICP/MS

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

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Filename	LIMS ID	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
spcc08a.d	10/08	10:56 AM	bfb+spcc/ccc	WW	CV	4	
bfb08b.d	10/08	11:56 AM	bfb+spcc/ccc	WW	IP		
spcc08b.d			bfb+spcc/ccc	WW	CV		
w-08a.d	10/08	12:50 PM	wash	WW			
0716101.d	10/08	01:26 PM	pme $8260w 5ml	WW			
lcs-w08a.d	10/08	02:02 PM	blankms	WW	MS		
0715601m.d	10/08	02:38 PM	pme $8260w 5ml	WW	MS		
w-08b.d	10/08	03:12 PM	wash	WW			
blk-w08a.d	10/08	03:46 PM	blank	WW	Bl		
0715601.d	10/08	04:20 PM	pme $8260w 5ml	WW			
0715601d.d	10/08	04:54 PM	pme $8260w 5ml	WW	Dp		
0716001.d	10/08	05:28 PM	pme $8260w 5ml	WW			
0720520.d	10/08	06:03 PM	bbl $miscorg 5ml	WW			
0713902r.d	10/08	06:37 PM	sea $btx826w 500ul	WW			
0716401.d	10/08	07:11 PM	ac $624tto 5ml	WW			
0716402.d	10/08	07:45 PM	ac $624tto 5ml	WW			
0716403.d	10/08	08:19 PM	ac $624tto 5ml	WW			
0716404.d	10/08	08:55 PM	ac $624tto 5ml	WW			
0715801.d	10/08	09:29 PM	pme $volgas 5cc	WW			
0715901.d	10/08	10:04 PM	pme $volgas 5cc	WW		2	
bfb09a.d	10/08	10:38 PM	bfb+spcc/ccc	WW	IP		
spcc09a.d			bfb+spcc/ccc	WW	CV		
lcs-w09a.d	10/08	11:14 PM	blankms	WW	MS		
0716603m.d	10/08	11:50 PM	obg $8260w 5ml	WW	MS		
0716603n.d	10/09	12:25 AM	obg $8260w 5ml	WW	MS		
w-09a.d	10/09	12:59 AM	wash	WW			
blk-w09a.d	10/09	01:34 AM	blank	WW	Bl		
0716603.d	10/09	02:07 AM	obg $8260w 5ml	WW			
0716603d.d	10/09	02:42 AM	obg $8260w 5ml	WW	Dp		
0716601.d	10/09	03:17 AM	obg $8260w 5ml	WW			
0716602.d	10/09	03:51 AM	obg $8260w 500ul	WW			
0716604.d	10/09	04:25 AM	obg $8260w 5ml	WW			
0716605.d	10/09	04:59 AM	obg $8260w 5ml	WW			
0716606.d	10/09	05:33 AM	obg $8260w 5ml	WW			
0716607.d	10/09	06:07 AM	obg $8260w 5ml	WW			
0716608.d	10/09	06:40 AM	obg $8260w 5ml	WW			
0716610.d	10/09	07:14 AM	obg $8260w 5ml	WW			
0716611.d	10/09	07:50 AM	obg $8260w 5ml	WW			
0716609.d	10/09	08:25 AM	obg $8260w 250ul	WW			
0714701.d	10/09	09:00 AM	psc $tclpvol 100ul	WW			
0715101.d	10/09	09:34 AM	psc $tclpvol 100ul	WW			
0715102.d	10/09	10:09 AM	psc $tclpvol 100ul	WW			
bfb09b.d	10/09	10:44 AM	bfb+spcc/ccc	WW	IP		
spcc09b.d			bfb+spcc/ccc	WW	CV		
w-09b.d	10/09	11:18 AM	wash	WW			
0715901r.d	10/09	11:52 AM	pme $volgas 5cc	WW		2	

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

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Filename	LIMS ID	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
0716001r.d	10/09	12:29 PM	pme $8260w 500ul	WW			
0715901x.d	10/09	01:12 PM	pme $volgas 5cc	WW			
0715103.d	10/09	01:45 PM	psc $tclpvol 100ul	WW		2	
0713901r.d	10/09	02:19 PM	sea $btx826w 5ml	WW			
0713902x.d	10/09	02:52 PM	sea $btx826w 5ml	WW			
0717201.d	10/09	04:15 PM	bet $btm826w $miscorg 5ml	WW			
0717202.d	10/09	04:48 PM	bet $btm826w $miscorg 20ul	WW			
0717203.d	10/09	05:22 PM	bet $btm826w $miscorg 1ml	WW			
0717204.d	10/09	05:56 PM	bet $btm826w $miscorg 5ml	WW			
0717205.d	10/09	06:30 PM	bet $btm826w $miscorg 5ml	WW			
0717206.d	10/09	07:03 PM	bet $btm826w $miscorg 5ml	WW			
0717207.d	10/09	07:37 PM	bet $btm826w $miscorg 5ml	WW			
0717208.d	10/09	08:11 PM	bet $btm826w $miscorg 5ml	WW			
0717209.d	10/09	08:45 PM	bet $btm826w $miscorg 100ul	WW			
0717210.d	10/09	09:18 PM	bet $btm826w $miscorg 5ml	WW			
0717211.d	10/09	09:52 PM	bet $btm826w $miscorg 5ml	WW			
0717212.d	10/09	10:26 PM	bet $btm826w $miscorg 5ml	WW			
0717213.d	10/09	10:59 PM	bet $btm826w $miscorg 5ml	WW			
0716901.d	10/09	11:33 PM	bocjones $btx826w 100:1 1ul	WW			
w-09c.d	10/10	12:10 AM	wash	WW			
bfb10a.d	10/10	04:17 PM	bfb+spcc/ccc	WW	IP		
spcc10a.d			bfb+spcc/ccc	WW	CV		
lcs-w10a.d	10/10	04:51 PM	blankms	WW	MS		
0719601m.d	10/10	05:26 PM	bocfaler $624tto 5ml	WW	MS		
blk-w10a.d	10/10	06:00 PM	blank	WW	Bl		
0719601.d	10/10	06:34 PM	bocfaler $624tto 5ml	WW			
0719601d.d	10/10	07:11 PM	bocfaler $624tto 5ml	WW	Dp		
0719602.d	10/10	07:45 PM	bocfaler $624tto 5ml	WW			
0717701r.d	10/10	08:19 PM	bet $btm826w $miscorg 500ul	WW			
0717213r.d	10/10	08:54 PM	bet $btm826w $miscorg 500ul	WW			
0717407r.d	10/10	09:27 PM	bet $btm826w $miscorg 250ul	WW			
0717304r.d	10/10	10:02 PM	bet $btm826w $miscorg 250ul	WW			
0715103x.d	10/10	10:36 PM	gmgr $tclpvol 100ul	WW			
0716901r.d	10/10	11:09 PM	bocjones $btx826w 100:1 1ul	WW			
0720101.d	10/10	11:44 PM	psc $tclpvol 100ul	WW			
bfb14a.d	10/14	04:59 PM	bfb+spcc/ccc	WW	IP		
spcc14a.d			bfb+spcc/ccc	WW	CV		
blk-w14a.d	10/14	07:35 PM	blank	WW	Bl	2	
0723201.d	10/14	08:45 PM	eme $btm826w 5ml	WW			
0722401.d	10/14	09:19 PM	bbl $btx826w dca 5ml	WW			
0723202.d	10/14	09:53 PM	eme $btm826w 5ml	WW			
0723203.d	10/14	10:27 PM	eme $btm826w 5ml	WW			
0723204.d	10/14	11:01 PM	eme $btm826w 5ml	WW			
0723205.d	10/14	11:35 PM	eme $btm826w 5ul	WW			
0723206.d	10/15	12:09 AM	eme $btm826w 100ul	WW			
0723301.d	10/15	12:44 AM	eme $btm826w 5ml	WW			

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

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Filename	LIMS ID	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
0723302.d	10/15	01:18 AM	eme $btm826w 5ml	WW			
0723303.d	10/15	01:53 AM	eme $btm826w 5ml	WW			
0722501.d	10/15	02:27 AM	gmv $tclpvol 100ul	WW			
0715402s.d	10/15	03:01 AM	ear $btx826w 5ml	WW			
0715403s.d	10/15	03:34 AM	ear $btx826w 5ml	WW			
0717002s.d	10/15	04:08 AM	ear $btx826w 5ml	WW			
0717105.d	10/15	10:57 AM	ear $btx826w 5ml	WW			
bfb15a.d	10/15	11:37 AM	bfb+spcc/ccc	WW	IP		
spcc15a.d			bfb+spcc/ccc	WW	CV		
w-15a.d	10/15	12:22 PM	wash	WW			
0717105r.d	10/15	01:25 PM	ear $btx826w 5ml	WW			
0723206r.d	10/15	01:58 PM	eme $btm826w 5ml	WW			
0723206d.d	10/15	02:33 PM	eme $btm826w 5ml	WW	Dp		
blk-w15a.d	10/15	03:07 PM	blank	WW	Bl		
0723206m.d	10/15	03:42 PM	eme $btm826w 5ml	WW	MS		
lcs-w15a.d	10/15	04:16 PM	blankms	WW	MS		
w-15b.d	10/15	04:51 PM	wash	WW			
0728301.d	10/15	05:24 PM	bbl $btm826w $miscorg 5ml	WW			
0723501.d	10/15	05:59 PM	bet $8260w 5ml	WW			
0723502.d	10/15	06:34 PM	bet $8260w 5ml	WW			
0723503.d	10/15	07:08 PM	bet $8260w 5ml	WW			
0723504.d	10/15	07:41 PM	bet $8260w 5ml	WW			
0723507.d	10/15	08:16 PM	bet $8260w 5ml	WW			
0723508.d	10/15	08:51 PM	bet $8260w 5ml	WW			
0723505.d	10/15	09:26 PM	bet $8260w 250ul	WW			
0723506.d	10/15	10:01 PM	bet $8260w 20ul	WW			
bfb16a.d	10/16	11:45 AM	bfb+spcc/ccc	WW	IP		
spcc16a.d			bfb+spcc/ccc	WW	CV		
w-16a.d	10/16	12:20 PM	wash	WW			
0723505r.d	10/16	12:55 PM	bet $8260w 5ml	WW			
0723506r.d	10/16	01:29 PM	bet $8260w 250ul	WW			
0724101.d	10/16	02:05 PM	ac $624tto 5ml	WW			
0723901.d	10/16	02:40 PM	bocewing $tclpvol 100ul	WW			
0723506x.d	10/16	03:17 PM	bet $8260w 5ml	WW			
0721501s.d	10/16	03:52 PM	ear $btx826w 5ml	WW			
0721504s.d	10/16	04:26 PM	ear $btx826w 5ml	WW			
0721506s.d	10/16	05:00 PM	ear $btx826w 5ml	WW			
0724701.d	10/16	05:34 PM	eme $btm826w 5ml	WW			
0724701d.d	10/16	06:08 PM	eme $btm826w 5ml	WW	Dp		
0724705.d	10/16	06:43 PM	eme $btm826w 5ml	WW			
0724706.d	10/16	07:17 PM	eme $btm826w 5ml	WW			
0724802.d	10/16	07:52 PM	eme $btm826w 5ml	WW			
0724801.d	10/16	08:26 PM	eme $btm826w 250ul	WW			
0724704.d	10/16	09:00 PM	eme $btm826w 500	WW			
0724703.d	10/16	09:35 PM	eme $btm826w 20ul	WW			
0724702.d	10/16	10:10 PM	eme $btm826w 10ul	WW			

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

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Filename	LIMS ID	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
0724701m.d	10/16	10:45 PM	eme $btm826w 5ml	WW	MS		
lcs-w16a.d	10/16	11:21 PM	blankms	WW			
bfb17a.d	10/17	12:03 PM	bfb+spcc/ccc	WW	IP		
spcc17a.d			bfb+spcc/ccc	WW	CV		
w-17a.d	10/17	12:38 PM	wash	WW			
0721501r.d	10/17	01:12 PM	ear $btx826w 5ml	WW		2	
0724703r.d	10/17	01:45 PM	eme $btm826w 200ul	WW			
0725201.d	10/17	02:20 PM	gmkw $tclpvol 100	WW			
0725202.d	10/17	02:55 PM	gmkw $tclpvol 100	WW			
0725401.d	10/17	03:29 PM	eme $btm826w 10ul	WW			
0725402.d	10/17	04:03 PM	eme $btm826w 500ul	WW			
0725403.d	10/17	04:39 PM	eme $btm826w 20ul	WW			
0725404.d	10/17	05:13 PM	eme $btm826w 5ml	WW			
0725404d.d	10/17	05:47 PM	eme $btm826w 5ml	WW	Dp		
0725405.d	10/17	06:21 PM	eme $btm826w 10ul	WW			
0725406.d	10/17	06:55 PM	eme $btm826w 1ml	WW			
0725407.d	10/17	07:29 PM	eme $btm826w 250ul	WW			
0726801.d	10/17	08:03 PM	bocthompson $bocsavo 5ml	WW			
0726802.d	10/17	08:38 PM	bocthompson $bocsavo 5ml	WW			
0726803.d	10/17	09:13 PM	bocthompson $bocsavo 5ml	WW			
0726804.d	10/17	09:47 PM	bocthompson $bocsavo 5ml	WW			
0726805.d	10/17	10:21 PM	bocthompson $bocsavo 5ml	WW			
0726806.d	10/17	10:55 PM	bocthompson $bocsavo 5ml	WW			
0725404m.d	10/17	11:29 PM	eme $btm826w 5ml	WW	MS		
bfb18a.d	10/18	02:37 PM	bfb+spcc/ccc	WW	IP		
spcc18a.d			bfb+spcc/ccc	WW	CV		
w-18a.d	10/18	04:18 PM	wash	WW			
blk-w18a.d	10/18	04:53 PM	blank	WW	Bl		
0726601.d	10/18	06:02 PM	wes $8260w 5ml	WW			
0726602.d	10/18	06:37 PM	wes $8260w 5ml	WW			
0726604.d	10/18	07:11 PM	wes $8260w 5ml	WW			
0726605.d	10/18	07:47 PM	wes $8260w 5ml	WW			
0726606.d	10/18	08:21 PM	wes $8260w 5ml	WW			
0726607.d	10/18	08:55 PM	wes $8260w 5ml	WW			
0726608.d	10/18	09:30 PM	wes $8260w 5ml	WW			
0726609.d	10/18	10:04 PM	wes $8260w 5ml	WW			
0726610.d	10/18	10:38 PM	wes $8260w 5ml	WW			
0726611.d	10/18	11:15 PM	wes $8260w 5ml	WW			
0726603.d	10/18	11:48 PM	wes $8260w 5ml	WW			
bfb19a.d	10/19	12:22 AM	bfb+spcc/ccc	WW	IP		
spcc19a.d			bfb+spcc/ccc	WW	CV		
w-19a.d	10/19	12:56 AM	wash	WW			
0727501.d	10/19	01:31 AM	ce $btx826w 5ml	WW			
0727502.d	10/19	02:05 AM	ce $btx826w 5ml	WW		2	
0727503.d	10/19	02:40 AM	ce $btx826w 5ml	WW			
0727504.d	10/19	03:14 AM	ce $btx826w 5ml	WW		2	

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Index of Applicable Reporting Forms

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Form 7b: Calibration Check Compounds
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Supplemental Forms: Chromatographic Data

Filename	LIMS ID	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
0727505.d	10/19	03:48 AM	ce $btx826w 5ml	WW			
0727506.d	10/19	04:22 AM	ce $btx826w 5ml	WW			
0727507.d	10/19	04:58 AM	ce $btx826w 5ml	WW		2	
0727508.d	10/19	05:32 AM	ce $btx826w 5ml	WW		2	
0727201.d	10/19	06:06 AM	gm-smi $624tto 5ml	WW		2	
0725402r.d	10/19	06:42 AM	eme $btm826w 5ml	WW		2	

Matrix (Mtx) Summary

Water Samples:	**	Soil Samples:	0
Water Duplicates:	6	Soil Duplicates:	0
Water Spikes:	11	Soil Spikes:	0
Water Blanks:	6	Soil Blanks:	0

QC Sample Type Summary

IP: Instrument Performance
CV: Calibration Verification
MS: Matrix Spike/MS Duplicate
Bl: Blank
Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
R: Reanalyze Sample
S: Surrogate Standard Outlier
C: Concentration Beyond Calibration
T: Exceeds Time Limit
X: Other

Notes Summary

1: Raw Data Included (Form 1 + Chromatograms)
2: Surrogate Standard Outliers (Form 2): 11
3: Matrix Spike Outliers (Form 3b): 0
4: CVM Outliers (Form 7b): 1

Batch Comments

[no comments]

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
spcc08a.d	4-Bromofluorobenzene	48.3/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	52.9/ 50.0	n/a	73.4/124.2	
	Toluene-D8	55.8/ 50.0	n/a	86.0/116.4	
spcc08b.d	4-Bromofluorobenzene	46.9/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.7/ 50.0	n/a	73.4/124.2	
	Toluene-D8	55.9/ 50.0	n/a	86.0/116.4	
w-08a.d	4-Bromofluorobenzene	47.2/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.2/ 50.0	n/a	73.4/124.2	
	Toluene-D8	55.8/ 50.0	n/a	86.0/116.4	
0716101.d	4-Bromofluorobenzene	48.3/ 50.0	96.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.0/ 50.0	109.9	73.4/124.2	
	Toluene-D8	56.7/ 50.0	113.4	86.0/116.4	
lcs-w08a.d	4-Bromofluorobenzene	47.8/ 50.0	95.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.2/ 50.0	116.4	73.4/124.2	
	Toluene-D8	55.2/ 50.0	110.4	86.0/116.4	
0715601m.d	4-Bromofluorobenzene	48.9/ 50.0	97.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.4/ 50.0	118.7	73.4/124.2	
	Toluene-D8	55.2/ 50.0	110.3	86.0/116.4	
w-08b.d	4-Bromofluorobenzene	48.8/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.1/ 50.0	n/a	73.4/124.2	
	Toluene-D8	55.0/ 50.0	n/a	86.0/116.4	
blk-w08a.d	4-Bromofluorobenzene	48.1/ 50.0	96.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.0/ 50.0	112.1	73.4/124.2	
	Toluene-D8	55.5/ 50.0	111.0	86.0/116.4	
0715601.d	4-Bromofluorobenzene	47.8/ 50.0	95.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.9/ 50.0	111.7	73.4/124.2	
	Toluene-D8	55.1/ 50.0	110.2	86.0/116.4	
0715601d.d	4-Bromofluorobenzene	47.1/ 50.0	94.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.8/ 50.0	111.6	73.4/124.2	
	Toluene-D8	54.8/ 50.0	109.7	86.0/116.4	
0716001.d	4-Bromofluorobenzene	49.1/ 50.0	98.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.8/ 50.0	111.6	73.4/124.2	
	Toluene-D8	55.6/ 50.0	111.3	86.0/116.4	
0720520.d	4-Bromofluorobenzene	48.2/ 50.0	96.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.3/ 50.0	114.6	73.4/124.2	
	Toluene-D8	56.9/ 50.0	113.7	86.0/116.4	
0713902r.d	4-Bromofluorobenzene	48.7/ 50.0	97.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.4/ 50.0	112.8	73.4/124.2	
	Toluene-D8	54.3/ 50.0	108.6	86.0/116.4	
0716401.d	4-Bromofluorobenzene	48.3/ 50.0	96.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.2/ 50.0	112.5	73.4/124.2	
	Toluene-D8	55.0/ 50.0	110.0	86.0/116.4	
0716402.d	4-Bromofluorobenzene	49.5/ 50.0	99.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.2/ 50.0	114.3	73.4/124.2	
	Toluene-D8	54.7/ 50.0	109.3	86.0/116.4	
0716403.d	4-Bromofluorobenzene	49.3/ 50.0	98.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.1/ 50.0	114.3	73.4/124.2	
	Toluene-D8	56.2/ 50.0	112.3	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0716404.d	4-Bromofluorobenzene	48.2/ 50.0	96.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.3/ 50.0	112.6	73.4/124.2	
	Toluene-D8	55.0/ 50.0	110.0	86.0/116.4	
0715801.d	4-Bromofluorobenzene	49.4/ 50.0	98.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.6/ 50.0	115.2	73.4/124.2	
	Toluene-D8	56.0/ 50.0	111.9	86.0/116.4	
0715901.d	4-Bromofluorobenzene	50.2/ 50.0	100.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.2/ 50.0	108.5	73.4/124.2	
	Toluene-D8	58.3/ 50.0	116.7 *	86.0/116.4	
spcc09a.d	4-Bromofluorobenzene	49.0/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.5/ 50.0	n/a	73.4/124.2	
	Toluene-D8	54.5/ 50.0	n/a	86.0/116.4	
lcs-w09a.d	4-Bromofluorobenzene	47.9/ 50.0	95.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.9/ 50.0	117.8	73.4/124.2	
	Toluene-D8	55.2/ 50.0	110.5	86.0/116.4	
0716603m.d	4-Bromofluorobenzene	48.1/ 50.0	96.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.1/ 50.0	118.2	73.4/124.2	
	Toluene-D8	55.4/ 50.0	110.7	86.0/116.4	
0716603n.d	4-Bromofluorobenzene	48.4/ 50.0	96.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.2/ 50.0	116.3	73.4/124.2	
	Toluene-D8	55.6/ 50.0	111.1	86.0/116.4	
w-09a.d	4-Bromofluorobenzene	49.2/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.7/ 50.0	n/a	73.4/124.2	
	Toluene-D8	55.0/ 50.0	n/a	86.0/116.4	
blk-w09a.d	4-Bromofluorobenzene	49.7/ 50.0	99.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.9/ 50.0	117.8	73.4/124.2	
	Toluene-D8	55.8/ 50.0	111.5	86.0/116.4	
0716603.d	4-Bromofluorobenzene	48.0/ 50.0	96.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.4/ 50.0	116.7	73.4/124.2	
	Toluene-D8	54.6/ 50.0	109.2	86.0/116.4	
0716603d.d	4-Bromofluorobenzene	49.5/ 50.0	98.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.7/ 50.0	115.3	73.4/124.2	
	Toluene-D8	56.5/ 50.0	112.9	86.0/116.4	
0716601.d	4-Bromofluorobenzene	48.4/ 50.0	96.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.1/ 50.0	118.2	73.4/124.2	
	Toluene-D8	55.5/ 50.0	111.0	86.0/116.4	
0716602.d	4-Bromofluorobenzene	48.9/ 50.0	97.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.6/ 50.0	117.2	73.4/124.2	
	Toluene-D8	55.5/ 50.0	111.0	86.0/116.4	
0716604.d	4-Bromofluorobenzene	48.7/ 50.0	97.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.9/ 50.0	113.8	73.4/124.2	
	Toluene-D8	57.1/ 50.0	114.1	86.0/116.4	
0716605.d	4-Bromofluorobenzene	48.5/ 50.0	97.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.8/ 50.0	113.7	73.4/124.2	
	Toluene-D8	54.4/ 50.0	108.8	86.0/116.4	
0716606.d	4-Bromofluorobenzene	49.4/ 50.0	98.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.9/ 50.0	115.8	73.4/124.2	
	Toluene-D8	54.9/ 50.0	109.9	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0716607.d	4-Bromofluorobenzene	49.1/ 50.0	98.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.9/ 50.0	119.9	73.4/124.2	
	Toluene-D8	55.1/ 50.0	110.2	86.0/116.4	
0716608.d	4-Bromofluorobenzene	49.9/ 50.0	99.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.2/ 50.0	116.4	73.4/124.2	
	Toluene-D8	55.6/ 50.0	111.1	86.0/116.4	
0716610.d	4-Bromofluorobenzene	49.4/ 50.0	98.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.0/ 50.0	118.0	73.4/124.2	
	Toluene-D8	54.2/ 50.0	108.3	86.0/116.4	
0716611.d	4-Bromofluorobenzene	49.3/ 50.0	98.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.4/ 50.0	114.8	73.4/124.2	
	Toluene-D8	55.1/ 50.0	110.3	86.0/116.4	
0716609.d	4-Bromofluorobenzene	49.3/ 50.0	98.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.0/ 50.0	112.0	73.4/124.2	
	Toluene-D8	56.9/ 50.0	113.8	86.0/116.4	
0714701.d	4-Bromofluorobenzene	49.0/ 50.0	98.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	61.2/ 50.0	122.4	73.4/124.2	
	Toluene-D8	55.6/ 50.0	111.2	86.0/116.4	
0715101.d	4-Bromofluorobenzene	50.2/ 50.0	100.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.5/ 50.0	115.1	73.4/124.2	
	Toluene-D8	55.6/ 50.0	111.3	86.0/116.4	
0715102.d	4-Bromofluorobenzene	49.7/ 50.0	99.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.1/ 50.0	118.2	73.4/124.2	
	Toluene-D8	57.7/ 50.0	115.4	86.0/116.4	
spcc09b.d	4-Bromofluorobenzene	53.7/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.5/ 50.0	n/a	73.4/124.2	
	Toluene-D8	57.5/ 50.0	n/a	86.0/116.4	
w-09b.d	4-Bromofluorobenzene	52.3/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.5/ 50.0	n/a	73.4/124.2	
	Toluene-D8	58.8/ 50.0	n/a	86.0/116.4	
0715901r.d	4-Bromofluorobenzene	52.0/ 50.0	104.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.4/ 50.0	116.7	73.4/124.2	
	Toluene-D8	58.7/ 50.0	117.5 *	86.0/116.4	
0716001r.d	4-Bromofluorobenzene	52.1/ 50.0	104.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.1/ 50.0	120.1	73.4/124.2	
	Toluene-D8	57.0/ 50.0	114.0	86.0/116.4	
0715901x.d	4-Bromofluorobenzene	51.2/ 50.0	102.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.2/ 50.0	112.3	73.4/124.2	
	Toluene-D8	57.1/ 50.0	114.2	86.0/116.4	
0715103.d	4-Bromofluorobenzene	48.2/ 50.0	96.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	62.5/ 50.0	125.0 *	73.4/124.2	
	Toluene-D8	55.1/ 50.0	110.3	86.0/116.4	
0713901r.d	4-Bromofluorobenzene	51.9/ 50.0	103.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.2/ 50.0	116.4	73.4/124.2	
	Toluene-D8	54.9/ 50.0	109.8	86.0/116.4	
0713902x.d	4-Bromofluorobenzene	52.1/ 50.0	104.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.7/ 50.0	113.4	73.4/124.2	
	Toluene-D8	55.8/ 50.0	111.6	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0717201.d	4-Bromofluorobenzene	51.0/ 50.0	102.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.7/ 50.0	113.4	73.4/124.2	
	Toluene-D8	57.8/ 50.0	115.5	86.0/116.4	
0717202.d	4-Bromofluorobenzene	53.1/ 50.0	106.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.5/ 50.0	114.9	73.4/124.2	
	Toluene-D8	56.6/ 50.0	113.1	86.0/116.4	
0717203.d	4-Bromofluorobenzene	50.5/ 50.0	101.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.4/ 50.0	110.8	73.4/124.2	
	Toluene-D8	57.6/ 50.0	115.1	86.0/116.4	
0717204.d	4-Bromofluorobenzene	52.3/ 50.0	104.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.4/ 50.0	118.8	73.4/124.2	
	Toluene-D8	56.7/ 50.0	113.3	86.0/116.4	
0717205.d	4-Bromofluorobenzene	52.0/ 50.0	104.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.0/ 50.0	120.0	73.4/124.2	
	Toluene-D8	55.5/ 50.0	111.0	86.0/116.4	
0717206.d	4-Bromofluorobenzene	52.1/ 50.0	104.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.8/ 50.0	115.6	73.4/124.2	
	Toluene-D8	55.9/ 50.0	111.9	86.0/116.4	
0717207.d	4-Bromofluorobenzene	52.4/ 50.0	104.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.9/ 50.0	113.8	73.4/124.2	
	Toluene-D8	56.0/ 50.0	112.0	86.0/116.4	
0717208.d	4-Bromofluorobenzene	52.6/ 50.0	105.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.4/ 50.0	112.8	73.4/124.2	
	Toluene-D8	56.6/ 50.0	113.2	86.0/116.4	
0717209.d	4-Bromofluorobenzene	51.4/ 50.0	102.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.5/ 50.0	117.0	73.4/124.2	
	Toluene-D8	56.6/ 50.0	113.1	86.0/116.4	
0717210.d	4-Bromofluorobenzene	51.4/ 50.0	102.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.0/ 50.0	116.1	73.4/124.2	
	Toluene-D8	56.0/ 50.0	112.0	86.0/116.4	
0717211.d	4-Bromofluorobenzene	50.6/ 50.0	101.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.1/ 50.0	116.1	73.4/124.2	
	Toluene-D8	55.8/ 50.0	111.6	86.0/116.4	
0717212.d	4-Bromofluorobenzene	51.9/ 50.0	103.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.8/ 50.0	121.5	73.4/124.2	
	Toluene-D8	56.1/ 50.0	112.2	86.0/116.4	
0717213.d	4-Bromofluorobenzene	53.1/ 50.0	106.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.9/ 50.0	121.9	73.4/124.2	
	Toluene-D8	55.8/ 50.0	111.6	86.0/116.4	
0716901.d	4-Bromofluorobenzene	51.4/ 50.0	102.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	61.0/ 50.0	121.9	73.4/124.2	
	Toluene-D8	56.2/ 50.0	112.4	86.0/116.4	
w-09c.d	4-Bromofluorobenzene	50.6/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.0/ 50.0	n/a	73.4/124.2	
	Toluene-D8	55.8/ 50.0	n/a	86.0/116.4	
spcc10a.d	4-Bromofluorobenzene	47.5/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.8/ 50.0	n/a	73.4/124.2	
	Toluene-D8	54.9/ 50.0	n/a	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
lcs-w10a.d	4-Bromofluorobenzene	47.5/ 50.0	95.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.1/ 50.0	116.2	73.4/124.2	
	Toluene-D8	55.3/ 50.0	110.6	86.0/116.4	
0719601m.d	4-Bromofluorobenzene	48.6/ 50.0	97.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.4/ 50.0	116.7	73.4/124.2	
	Toluene-D8	54.6/ 50.0	109.3	86.0/116.4	
blk-w10a.d	4-Bromofluorobenzene	47.3/ 50.0	94.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.6/ 50.0	111.3	73.4/124.2	
	Toluene-D8	54.6/ 50.0	109.1	86.0/116.4	
0719601.d	4-Bromofluorobenzene	47.8/ 50.0	95.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.8/ 50.0	119.6	73.4/124.2	
	Toluene-D8	55.0/ 50.0	110.1	86.0/116.4	
0719601d.d	4-Bromofluorobenzene	47.5/ 50.0	95.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.4/ 50.0	114.7	73.4/124.2	
	Toluene-D8	55.1/ 50.0	110.1	86.0/116.4	
0719602.d	4-Bromofluorobenzene	48.7/ 50.0	97.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.9/ 50.0	113.9	73.4/124.2	
	Toluene-D8	53.7/ 50.0	107.3	86.0/116.4	
0717701r.d	4-Bromofluorobenzene	48.9/ 50.0	97.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.1/ 50.0	114.2	73.4/124.2	
	Toluene-D8	56.1/ 50.0	112.2	86.0/116.4	
0717213r.d	4-Bromofluorobenzene	47.5/ 50.0	95.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.7/ 50.0	115.5	73.4/124.2	
	Toluene-D8	54.8/ 50.0	109.6	86.0/116.4	
0717407r.d	4-Bromofluorobenzene	47.7/ 50.0	95.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.9/ 50.0	115.7	73.4/124.2	
	Toluene-D8	55.4/ 50.0	110.8	86.0/116.4	
0717304r.d	4-Bromofluorobenzene	46.3/ 50.0	92.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.0/ 50.0	118.1	73.4/124.2	
	Toluene-D8	54.1/ 50.0	108.2	86.0/116.4	
0715103x.d	4-Bromofluorobenzene	45.5/ 50.0	91.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.1/ 50.0	116.2	73.4/124.2	
	Toluene-D8	54.8/ 50.0	109.5	86.0/116.4	
0716901r.d	4-Bromofluorobenzene	46.9/ 50.0	93.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.1/ 50.0	118.3	73.4/124.2	
	Toluene-D8	54.7/ 50.0	109.4	86.0/116.4	
0720101.d	4-Bromofluorobenzene	46.0/ 50.0	92.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.1/ 50.0	120.1	73.4/124.2	
	Toluene-D8	54.1/ 50.0	108.2	86.0/116.4	
spcc14a.d	4-Bromofluorobenzene	42.7/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.3/ 50.0	n/a	73.4/124.2	
	Toluene-D8	54.9/ 50.0	n/a	86.0/116.4	
blk-w14a.d	4-Bromofluorobenzene	42.7/ 50.0	85.4 *	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.3/ 50.0	106.6	73.4/124.2	
	Toluene-D8	54.6/ 50.0	109.2	86.0/116.4	
0723201.d	4-Bromofluorobenzene	43.7/ 50.0	87.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.1/ 50.0	106.2	73.4/124.2	
	Toluene-D8	53.4/ 50.0	106.8	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0722401.d	4-Bromofluorobenzene	43.4/ 50.0	86.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.4/ 50.0	106.7	73.4/124.2	
	Toluene-D8	54.4/ 50.0	108.9	86.0/116.4	
0723202.d	4-Bromofluorobenzene	43.8/ 50.0	87.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.5/ 50.0	109.0	73.4/124.2	
	Toluene-D8	54.0/ 50.0	107.9	86.0/116.4	
0723203.d	4-Bromofluorobenzene	43.6/ 50.0	87.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.2/ 50.0	108.5	73.4/124.2	
	Toluene-D8	53.3/ 50.0	106.6	86.0/116.4	
0723204.d	4-Bromofluorobenzene	44.5/ 50.0	88.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.9/ 50.0	109.9	73.4/124.2	
	Toluene-D8	54.2/ 50.0	108.4	86.0/116.4	
0723205.d	4-Bromofluorobenzene	44.2/ 50.0	88.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.3/ 50.0	106.6	73.4/124.2	
	Toluene-D8	53.1/ 50.0	106.1	86.0/116.4	
0723206.d	4-Bromofluorobenzene	45.0/ 50.0	90.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.5/ 50.0	107.0	73.4/124.2	
	Toluene-D8	55.1/ 50.0	110.2	86.0/116.4	
0723301.d	4-Bromofluorobenzene	45.4/ 50.0	90.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.8/ 50.0	107.6	73.4/124.2	
	Toluene-D8	53.3/ 50.0	106.5	86.0/116.4	
0723302.d	4-Bromofluorobenzene	45.7/ 50.0	91.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.5/ 50.0	108.9	73.4/124.2	
	Toluene-D8	53.2/ 50.0	106.4	86.0/116.4	
0723303.d	4-Bromofluorobenzene	45.0/ 50.0	90.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.7/ 50.0	107.3	73.4/124.2	
	Toluene-D8	53.3/ 50.0	106.6	86.0/116.4	
0722501.d	4-Bromofluorobenzene	45.2/ 50.0	90.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.6/ 50.0	111.3	73.4/124.2	
	Toluene-D8	54.1/ 50.0	108.1	86.0/116.4	
0715402s.d	4-Bromofluorobenzene	45.0/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.7/ 50.0	n/a	73.4/124.2	
	Toluene-D8	53.6/ 50.0	n/a	86.0/116.4	
0715403s.d	4-Bromofluorobenzene	45.2/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.3/ 50.0	n/a	73.4/124.2	
	Toluene-D8	52.8/ 50.0	n/a	86.0/116.4	
0717002s.d	4-Bromofluorobenzene	44.1/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.9/ 50.0	n/a	73.4/124.2	
	Toluene-D8	53.5/ 50.0	n/a	86.0/116.4	
0717105.d	4-Bromofluorobenzene	46.6/ 50.0	93.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.3/ 50.0	108.5	73.4/124.2	
	Toluene-D8	51.5/ 50.0	102.9	86.0/116.4	
spcc15a.d	4-Bromofluorobenzene	46.9/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.9/ 50.0	n/a	73.4/124.2	
	Toluene-D8	53.6/ 50.0	n/a	86.0/116.4	
w-15a.d	4-Bromofluorobenzene	45.4/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.0/ 50.0	n/a	73.4/124.2	
	Toluene-D8	53.9/ 50.0	n/a	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0717105r.d	4-Bromofluorobenzene	46.9/ 50.0	93.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.1/ 50.0	108.3	73.4/124.2	
	Toluene-D8	53.5/ 50.0	107.0	86.0/116.4	
0723206r.d	4-Bromofluorobenzene	46.4/ 50.0	92.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.2/ 50.0	112.4	73.4/124.2	
	Toluene-D8	53.8/ 50.0	107.5	86.0/116.4	
0723206d.d	4-Bromofluorobenzene	46.4/ 50.0	92.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.6/ 50.0	109.2	73.4/124.2	
	Toluene-D8	54.1/ 50.0	108.2	86.0/116.4	
blk-w15a.d	4-Bromofluorobenzene	47.3/ 50.0	94.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.0/ 50.0	106.0	73.4/124.2	
	Toluene-D8	54.7/ 50.0	109.4	86.0/116.4	
0723206m.d	4-Bromofluorobenzene	46.4/ 50.0	92.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.5/ 50.0	111.1	73.4/124.2	
	Toluene-D8	54.0/ 50.0	108.0	86.0/116.4	
lcs-w15a.d	4-Bromofluorobenzene	48.4/ 50.0	96.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.3/ 50.0	106.5	73.4/124.2	
	Toluene-D8	53.9/ 50.0	107.8	86.0/116.4	
w-15b.d	4-Bromofluorobenzene	44.8/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.3/ 50.0	n/a	73.4/124.2	
	Toluene-D8	53.5/ 50.0	n/a	86.0/116.4	
0728301.d	4-Bromofluorobenzene	46.4/ 50.0	92.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.9/ 50.0	109.8	73.4/124.2	
	Toluene-D8	53.8/ 50.0	107.5	86.0/116.4	
0723501.d	4-Bromofluorobenzene	46.2/ 50.0	92.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.1/ 50.0	108.1	73.4/124.2	
	Toluene-D8	53.2/ 50.0	106.3	86.0/116.4	
0723502.d	4-Bromofluorobenzene	48.0/ 50.0	95.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.3/ 50.0	110.7	73.4/124.2	
	Toluene-D8	54.2/ 50.0	108.4	86.0/116.4	
0723503.d	4-Bromofluorobenzene	45.7/ 50.0	91.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.6/ 50.0	109.1	73.4/124.2	
	Toluene-D8	52.9/ 50.0	105.7	86.0/116.4	
0723504.d	4-Bromofluorobenzene	46.5/ 50.0	93.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.3/ 50.0	110.6	73.4/124.2	
	Toluene-D8	53.6/ 50.0	107.2	86.0/116.4	
0723507.d	4-Bromofluorobenzene	48.3/ 50.0	96.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.0/ 50.0	109.9	73.4/124.2	
	Toluene-D8	56.0/ 50.0	111.9	86.0/116.4	
0723508.d	4-Bromofluorobenzene	46.6/ 50.0	93.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.5/ 50.0	110.9	73.4/124.2	
	Toluene-D8	54.8/ 50.0	109.6	86.0/116.4	
0723505.d	4-Bromofluorobenzene	46.7/ 50.0	93.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.0/ 50.0	110.0	73.4/124.2	
	Toluene-D8	54.2/ 50.0	108.3	86.0/116.4	
0723506.d	4-Bromofluorobenzene	45.1/ 50.0	90.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.6/ 50.0	107.2	73.4/124.2	
	Toluene-D8	54.2/ 50.0	108.3	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
spcc16a.d	4-Bromofluorobenzene	47.2/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	52.7/ 50.0	n/a	73.4/124.2	
	Toluene-D8	53.4/ 50.0	n/a	86.0/116.4	
w-16a.d	4-Bromofluorobenzene	46.3/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.7/ 50.0	n/a	73.4/124.2	
	Toluene-D8	55.0/ 50.0	n/a	86.0/116.4	
0723505r.d	4-Bromofluorobenzene	47.0/ 50.0	94.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.7/ 50.0	107.3	73.4/124.2	
	Toluene-D8	55.0/ 50.0	110.1	86.0/116.4	
0723506r.d	4-Bromofluorobenzene	46.1/ 50.0	92.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.7/ 50.0	111.3	73.4/124.2	
	Toluene-D8	53.3/ 50.0	106.5	86.0/116.4	
0724101.d	4-Bromofluorobenzene	46.4/ 50.0	92.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.3/ 50.0	110.5	73.4/124.2	
	Toluene-D8	52.9/ 50.0	105.8	86.0/116.4	
0723901.d	4-Bromofluorobenzene	47.0/ 50.0	94.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.5/ 50.0	115.1	73.4/124.2	
	Toluene-D8	53.6/ 50.0	107.1	86.0/116.4	
0723506x.d	4-Bromofluorobenzene	45.8/ 50.0	91.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.3/ 50.0	110.5	73.4/124.2	
	Toluene-D8	54.0/ 50.0	108.0	86.0/116.4	
0721501s.d	4-Bromofluorobenzene	38.3/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.9/ 50.0	n/a	73.4/124.2	
	Toluene-D8	50.9/ 50.0	n/a	86.0/116.4	
0721504s.d	4-Bromofluorobenzene	47.1/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.7/ 50.0	n/a	73.4/124.2	
	Toluene-D8	53.9/ 50.0	n/a	86.0/116.4	
0721506s.d	4-Bromofluorobenzene	46.8/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.2/ 50.0	n/a	73.4/124.2	
	Toluene-D8	54.0/ 50.0	n/a	86.0/116.4	
0724701.d	4-Bromofluorobenzene	46.6/ 50.0	93.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.2/ 50.0	110.4	73.4/124.2	
	Toluene-D8	55.9/ 50.0	111.8	86.0/116.4	
0724701d.d	4-Bromofluorobenzene	47.4/ 50.0	94.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.3/ 50.0	114.6	73.4/124.2	
	Toluene-D8	54.7/ 50.0	109.4	86.0/116.4	
0724705.d	4-Bromofluorobenzene	47.7/ 50.0	95.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.3/ 50.0	112.6	73.4/124.2	
	Toluene-D8	54.9/ 50.0	109.8	86.0/116.4	
0724706.d	4-Bromofluorobenzene	46.9/ 50.0	93.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.4/ 50.0	114.8	73.4/124.2	
	Toluene-D8	53.4/ 50.0	106.8	86.0/116.4	
0724802.d	4-Bromofluorobenzene	46.4/ 50.0	92.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.9/ 50.0	109.8	73.4/124.2	
	Toluene-D8	54.5/ 50.0	109.0	86.0/116.4	
0724801.d	4-Bromofluorobenzene	46.8/ 50.0	93.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.3/ 50.0	112.5	73.4/124.2	
	Toluene-D8	54.1/ 50.0	108.2	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0724704.d	4-Bromofluorobenzene	46.4/ 50.0	92.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.8/ 50.0	111.6	73.4/124.2	
	Toluene-D8	55.1/ 50.0	110.2	86.0/116.4	
0724703.d	4-Bromofluorobenzene	46.5/ 50.0	92.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.7/ 50.0	113.4	73.4/124.2	
	Toluene-D8	55.8/ 50.0	111.6	86.0/116.4	
0724702.d	4-Bromofluorobenzene	47.6/ 50.0	95.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.7/ 50.0	115.5	73.4/124.2	
	Toluene-D8	55.9/ 50.0	111.8	86.0/116.4	
0724701m.d	4-Bromofluorobenzene	47.6/ 50.0	95.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.9/ 50.0	121.9	73.4/124.2	
	Toluene-D8	54.4/ 50.0	108.7	86.0/116.4	
lcs-w16a.d	4-Bromofluorobenzene	48.0/ 50.0	96.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.9/ 50.0	121.8	73.4/124.2	
	Toluene-D8	54.9/ 50.0	109.8	86.0/116.4	
spcc17a.d	4-Bromofluorobenzene	45.3/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.1/ 50.0	n/a	73.4/124.2	
	Toluene-D8	56.8/ 50.0	n/a	86.0/116.4	
w-17a.d	4-Bromofluorobenzene	46.7/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.5/ 50.0	n/a	73.4/124.2	
	Toluene-D8	55.1/ 50.0	n/a	86.0/116.4	
0721501r.d	4-Bromofluorobenzene	40.1/ 50.0	80.2 *	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.2/ 50.0	108.3	73.4/124.2	
	Toluene-D8	53.2/ 50.0	106.4	86.0/116.4	
0724703r.d	4-Bromofluorobenzene	47.3/ 50.0	94.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.4/ 50.0	114.9	73.4/124.2	
	Toluene-D8	54.1/ 50.0	108.2	86.0/116.4	
0725201.d	4-Bromofluorobenzene	46.7/ 50.0	93.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.2/ 50.0	120.4	73.4/124.2	
	Toluene-D8	54.0/ 50.0	107.9	86.0/116.4	
0725202.d	4-Bromofluorobenzene	47.2/ 50.0	94.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.4/ 50.0	114.8	73.4/124.2	
	Toluene-D8	54.7/ 50.0	109.4	86.0/116.4	
0725401.d	4-Bromofluorobenzene	47.6/ 50.0	95.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.9/ 50.0	109.7	73.4/124.2	
	Toluene-D8	54.4/ 50.0	108.9	86.0/116.4	
0725402.d	4-Bromofluorobenzene	48.0/ 50.0	95.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	54.2/ 50.0	108.3	73.4/124.2	
	Toluene-D8	54.1/ 50.0	108.2	86.0/116.4	
0725403.d	4-Bromofluorobenzene	46.8/ 50.0	93.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.9/ 50.0	111.7	73.4/124.2	
	Toluene-D8	54.7/ 50.0	109.3	86.0/116.4	
0725404.d	4-Bromofluorobenzene	47.9/ 50.0	95.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.9/ 50.0	111.8	73.4/124.2	
	Toluene-D8	54.3/ 50.0	108.6	86.0/116.4	
0725404d.d	4-Bromofluorobenzene	48.2/ 50.0	96.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.0/ 50.0	120.1	73.4/124.2	
	Toluene-D8	54.0/ 50.0	108.0	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0725405.d	4-Bromofluorobenzene	47.0/ 50.0	93.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	55.8/ 50.0	111.6	73.4/124.2	
	Toluene-D8	54.1/ 50.0	108.3	86.0/116.4	
0725406.d	4-Bromofluorobenzene	48.6/ 50.0	97.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.6/ 50.0	117.3	73.4/124.2	
	Toluene-D8	54.2/ 50.0	108.4	86.0/116.4	
0725407.d	4-Bromofluorobenzene	49.1/ 50.0	98.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.4/ 50.0	116.8	73.4/124.2	
	Toluene-D8	54.1/ 50.0	108.2	86.0/116.4	
0726801.d	4-Bromofluorobenzene	49.7/ 50.0	99.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	56.9/ 50.0	113.9	73.4/124.2	
	Toluene-D8	53.4/ 50.0	106.8	86.0/116.4	
0726802.d	4-Bromofluorobenzene	49.5/ 50.0	98.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.8/ 50.0	117.5	73.4/124.2	
	Toluene-D8	53.4/ 50.0	106.9	86.0/116.4	
0726803.d	4-Bromofluorobenzene	47.9/ 50.0	95.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.4/ 50.0	120.9	73.4/124.2	
	Toluene-D8	55.1/ 50.0	110.1	86.0/116.4	
0726804.d	4-Bromofluorobenzene	48.8/ 50.0	97.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.9/ 50.0	115.9	73.4/124.2	
	Toluene-D8	54.6/ 50.0	109.3	86.0/116.4	
0726805.d	4-Bromofluorobenzene	48.5/ 50.0	97.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.3/ 50.0	118.6	73.4/124.2	
	Toluene-D8	54.8/ 50.0	109.5	86.0/116.4	
0726806.d	4-Bromofluorobenzene	48.7/ 50.0	97.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.3/ 50.0	116.5	73.4/124.2	
	Toluene-D8	53.7/ 50.0	107.4	86.0/116.4	
0725404m.d	4-Bromofluorobenzene	48.2/ 50.0	96.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.9/ 50.0	121.9	73.4/124.2	
	Toluene-D8	54.2/ 50.0	108.4	86.0/116.4	
spcc18a.d	4-Bromofluorobenzene	50.0/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.5/ 50.0	n/a	73.4/124.2	
	Toluene-D8	56.4/ 50.0	n/a	86.0/116.4	
w-18a.d	4-Bromofluorobenzene	50.9/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	63.7/ 50.0	n/a	73.4/124.2	
	Toluene-D8	58.2/ 50.0	n/a	86.0/116.4	
blk-w18a.d	4-Bromofluorobenzene	50.4/ 50.0	100.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	61.8/ 50.0	123.5	73.4/124.2	
	Toluene-D8	57.4/ 50.0	114.7	86.0/116.4	
0726601.d	4-Bromofluorobenzene	50.9/ 50.0	101.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	61.3/ 50.0	122.7	73.4/124.2	
	Toluene-D8	57.4/ 50.0	114.9	86.0/116.4	
0726602.d	4-Bromofluorobenzene	50.5/ 50.0	100.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	61.5/ 50.0	122.9	73.4/124.2	
	Toluene-D8	57.9/ 50.0	115.8	86.0/116.4	
0726604.d	4-Bromofluorobenzene	50.9/ 50.0	101.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	61.1/ 50.0	122.2	73.4/124.2	
	Toluene-D8	57.1/ 50.0	114.1	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0726605.d	4-Bromofluorobenzene	51.1/ 50.0	102.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.8/ 50.0	119.6	73.4/124.2	
	Toluene-D8	58.1/ 50.0	116.2	86.0/116.4	
0726606.d	4-Bromofluorobenzene	49.7/ 50.0	99.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.5/ 50.0	120.9	73.4/124.2	
	Toluene-D8	57.2/ 50.0	114.3	86.0/116.4	
0726607.d	4-Bromofluorobenzene	49.2/ 50.0	98.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.1/ 50.0	114.3	73.4/124.2	
	Toluene-D8	56.5/ 50.0	113.1	86.0/116.4	
0726608.d	4-Bromofluorobenzene	50.5/ 50.0	101.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.1/ 50.0	118.2	73.4/124.2	
	Toluene-D8	57.3/ 50.0	114.7	86.0/116.4	
0726609.d	4-Bromofluorobenzene	50.9/ 50.0	101.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.9/ 50.0	121.8	73.4/124.2	
	Toluene-D8	57.0/ 50.0	114.0	86.0/116.4	
0726610.d	4-Bromofluorobenzene	51.0/ 50.0	101.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.8/ 50.0	121.5	73.4/124.2	
	Toluene-D8	56.9/ 50.0	113.8	86.0/116.4	
0726611.d	4-Bromofluorobenzene	50.7/ 50.0	101.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.9/ 50.0	121.8	73.4/124.2	
	Toluene-D8	57.2/ 50.0	114.4	86.0/116.4	
0726603.d	4-Bromofluorobenzene	50.4/ 50.0	100.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	61.0/ 50.0	122.0	73.4/124.2	
	Toluene-D8	57.0/ 50.0	114.1	86.0/116.4	
spcc19a.d	4-Bromofluorobenzene	52.0/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	61.1/ 50.0	n/a	73.4/124.2	
	Toluene-D8	57.4/ 50.0	n/a	86.0/116.4	
w-19a.d	4-Bromofluorobenzene	50.2/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.2/ 50.0	n/a	73.4/124.2	
	Toluene-D8	57.3/ 50.0	n/a	86.0/116.4	
0727501.d	4-Bromofluorobenzene	49.2/ 50.0	98.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.4/ 50.0	120.8	73.4/124.2	
	Toluene-D8	57.7/ 50.0	115.4	86.0/116.4	
0727502.d	4-Bromofluorobenzene	50.9/ 50.0	101.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	62.9/ 50.0	125.8 *	73.4/124.2	
	Toluene-D8	57.7/ 50.0	115.4	86.0/116.4	
0727503.d	4-Bromofluorobenzene	51.1/ 50.0	102.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	60.8/ 50.0	121.7	73.4/124.2	
	Toluene-D8	56.9/ 50.0	113.8	86.0/116.4	
0727504.d	4-Bromofluorobenzene	53.0/ 50.0	106.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	63.1/ 50.0	126.2 *	73.4/124.2	
	Toluene-D8	56.9/ 50.0	113.8	86.0/116.4	
0727505.d	4-Bromofluorobenzene	50.6/ 50.0	101.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	59.3/ 50.0	118.6	73.4/124.2	
	Toluene-D8	57.6/ 50.0	115.2	86.0/116.4	
0727506.d	4-Bromofluorobenzene	51.6/ 50.0	103.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	58.9/ 50.0	117.8	73.4/124.2	
	Toluene-D8	57.9/ 50.0	115.9	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0727507.d	4-Bromofluorobenzene	51.9/ 50.0	103.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	62.9/ 50.0	125.8 *	73.4/124.2	
	Toluene-D8	57.3/ 50.0	114.5	86.0/116.4	
0727508.d	4-Bromofluorobenzene	50.7/ 50.0	101.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	62.9/ 50.0	125.8 *	73.4/124.2	
	Toluene-D8	56.6/ 50.0	113.2	86.0/116.4	
0727201.d	4-Bromofluorobenzene	52.5/ 50.0	105.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	62.7/ 50.0	125.4 *	73.4/124.2	
	Toluene-D8	57.3/ 50.0	114.6	86.0/116.4	
0725402r.d	4-Bromofluorobenzene	51.6/ 50.0	103.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	64.4/ 50.0	128.9 *	73.4/124.2	
	Toluene-D8	58.0/ 50.0	116.0	86.0/116.4	

NOTES

*: Surrogate recovery outside of laboratory-established control limits

n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 3a: Duplicate/Matrix Spike Duplicate Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

File Name	Sample Name	Target Compound	Dup/Samp Conc.	%RPD	Matrix
0715601d.d	0715601.d	acetone (*)	1.92/ 0.00	200.0*	WW
		[end of compound list]			
0716603n.d	0716603m.d	acetone (*)	13.16/ 10.70	20.6	WW
		methyl iodide (iodomethane) (*	13.77/ 13.69	0.6	
		acrylonitrile (*)	21.40/ 25.43	17.2	
		2-butanone (mek) (*)	18.69/ 24.70	27.7*	
		dichlorodifluoromethane	5.93/ 6.67	11.7	
		chloromethane (spcc)	14.37/ 15.54	7.8	
		vinyl chloride (ccc)	18.15/ 18.75	3.3	
		bromomethane	19.59/ 21.68	10.1	
		chloroethane	18.84/ 21.44	12.9	
		trichlorofluoromethane	21.37/ 22.68	5.9	
		1,1-dichloroethene (ccc/ms)	20.42/ 21.59	5.6	
		methylene chloride	22.84/ 23.04	0.9	
		trans-1,2-dichloroethene	23.20/ 25.27	8.5	
		1,1-dichloroethane (spcc)	21.57/ 23.38	8.1	
		2,2-dichloropropane	22.89/ 24.06	5.0	
		cis-1,2-dichloroethene	84.84/ 89.56	5.4	
		chloroform (ccc)	23.32/ 26.29	12.0	
		bromochloromethane	22.19/ 26.28	16.9	
		1,1,1-trichloroethane	24.32/ 26.48	8.5	
		1,1-dichloropropene	23.66/ 25.21	6.3	
		4-methyl-2-pentanone (mibk) (*	26.27/ 30.67	15.5	
		2-hexanone (*)	21.78/ 28.43	26.5*	
		carbon tetrachloride	25.63/ 27.28	6.2	
		benzene (ms)	24.32/ 26.10	7.1	
		1,2-dichloroethane	23.94/ 25.90	7.9	
		trichloroethene (ms)	23.65/ 25.59	7.9	
		1,2-dichloropropane (ccc)	23.97/ 26.92	11.6	
		bromodichloromethane	24.20/ 27.97	14.5	
		dibromomethane	23.38/ 26.09	11.0	
		cis-1,3-dichloropropene	21.77/ 25.72	16.6	
		toluene (ccc/ms)	24.36/ 26.68	9.1	
		trans-1,3-dichloropropene	21.04/ 25.40	18.8	
		1,1,2-trichloroethane	24.53/ 30.17	20.6	
		tetrachloroethene	23.40/ 25.01	6.7	
		1,3-dichloropropane	24.40/ 28.99	17.2	
		trans-1,4-dichloro-2-butene (*	26.77/ 32.55	19.5	
		dibromochloromethane	24.30/ 29.56	19.5	
		1,2-dibromoethane	22.94/ 28.93	23.1	
		chlorobenzene (spcc/ms)	24.60/ 27.53	11.2	
		1,1,1,2-tetrachloroethane	24.04/ 28.30	16.3	
		ethylbenzene (ccc)	23.87/ 26.04	8.7	
		p,m-xylene	43.90/ 50.08	13.2	
		o-xylene	23.06/ 25.59	10.4	
		styrene	13.21/ 15.58	16.5	
		isopropylbenzene	25.36/ 27.51	8.1	
		bromoform (spcc)	24.28/ 29.37	19.0	
		1,1,2,2-tetrachloroethane (spc	24.90/ 29.65	17.4	
		1,2,3-trichloropropane	23.10/ 28.65	21.4	
		n-propylbenzene	24.31/ 25.82	6.0	
		bromobenzene	24.28/ 27.66	13.0	
		1,3,5-trimethylbenzene	19.30/ 20.71	7.0	
		tert-butylbenzene	24.13/ 25.85	6.9	

Form 3a: Duplicate/Matrix Spike Duplicate Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

File Name	Sample Name	Target Compound	Dup/Samp Conc.	%RPD	Matrix
0716603n.d	0716603m.d	1,2,4-trimethylbenzene	17.46/ 19.62	11.7	
		sec-butylbenzene	25.73/ 28.07	8.7	
		p-isopropyltoluene	24.89/ 26.64	6.8	
		1,3-dichlorobenzene	24.27/ 27.00	10.6	
		1,4-dichlorobenzene	24.48/ 26.88	9.3	
		1,2-dichlorobenzene	24.88/ 27.71	10.8	
		n-butylbenzene	24.56/ 26.44	7.4	
		1,2-dibromo-3-chloropropane	25.00/ 29.75	17.4	
		1,2,4-trichlorobenzene	22.33/ 24.25	8.2	
		hexachlorobutadiene	29.95/ 32.10	6.9	
		naphthalene	23.35/ 25.71	9.6	
		1,2,3-trichlorobenzene	23.55/ 25.62	8.4	
		[end of compound list]			
0716603d.d	0716603.d	acetone (*)	2.39/ 0.00	200.0*	WW
		vinyl chloride (ccc)	1.76/ 2.24	24.0	
		trans-1,2-dichloroethene	2.83/ 3.28	14.7	
		cis-1,2-dichloroethene	59.56/ 61.28	2.8	
		[end of compound list]			
0719601d.d	0719601.d	acetone (*)	2.36/ 3.18	29.6*	WW
		[end of compound list]			
0723206d.d	0723206.d	2-butanone (mek) (*)	1.08/ 1.46	29.9*	WW
		chloroform (ccc)	2.28/ 0.00	200.0*	
		[end of compound list]			
0724701d.d	0724701.d	acetone (*)	1.65/ 0.00	200.0*	WW
		[end of compound list]			
0725404d.d	0725404.d	[end of compound list]			WW

Form 3b: Matrix Spike Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

File Name	Sample Name	Target Compound	MS/Samp	Conc.	%Rec	LCL/UCL	Mat.
lcs-w08a.d	blk-w08a.d	1,1-Dichloroethene	21.57/	0.00	86.3	71.0/129.0	WW
		Benzene	25.22/	0.00	100.9	71.0/129.0	
		Chlorobenzene	27.50/	0.00	110.0	71.0/129.0	
		Toluene	26.86/	0.00	107.4	71.0/129.0	
		Trichloroethene	24.72/	0.00	98.9	71.0/129.0	
0715601m.d	0715601.d	1,1-Dichloroethene	22.29/	0.00	89.2	71.0/129.0	WW
		Benzene	24.59/	0.00	98.4	71.0/129.0	
		Chlorobenzene	27.12/	0.00	108.5	71.0/129.0	
		Toluene	26.03/	0.00	104.1	71.0/129.0	
		Trichloroethene	25.44/	0.00	101.8	71.0/129.0	
lcs-w09a.d	blk-w09a.d	1,1-Dichloroethene	21.44/	0.00	85.8	71.0/129.0	WW
		Benzene	24.73/	0.00	98.9	71.0/129.0	
		Chlorobenzene	25.95/	0.00	103.8	71.0/129.0	
		Toluene	25.42/	0.00	101.7	71.0/129.0	
		Trichloroethene	24.07/	0.00	96.3	71.0/129.0	
0716603m.d	0716603.d	1,1-Dichloroethene	21.59/	0.00	86.4	71.0/129.0	WW
		Benzene	26.10/	0.00	104.4	71.0/129.0	
		Chlorobenzene	27.53/	0.00	110.1	71.0/129.0	
		Toluene	26.68/	0.00	106.7	71.0/129.0	
		Trichloroethene	25.59/	0.00	102.4	71.0/129.0	
0716603n.d	0716603.d	1,1-Dichloroethene	20.42/	0.00	81.7	71.0/129.0	WW
		Benzene	24.32/	0.00	97.3	71.0/129.0	
		Chlorobenzene	24.60/	0.00	98.4	71.0/129.0	
		Toluene	24.36/	0.00	97.4	71.0/129.0	
		Trichloroethene	23.65/	0.00	94.6	71.0/129.0	
lcs-w10a.d	blk-w10a.d	1,1-Dichloroethene	23.43/	0.00	93.7	71.0/129.0	WW
		Benzene	24.10/	0.00	96.4	71.0/129.0	
		Chlorobenzene	24.94/	0.00	99.8	71.0/129.0	
		Toluene	24.89/	0.00	99.6	71.0/129.0	
		Trichloroethene	24.15/	0.00	96.6	71.0/129.0	
0719601m.d	0719601.d	1,1-Dichloroethene	22.21/	0.00	88.8	71.0/129.0	WW
		Benzene	24.79/	0.00	99.2	71.0/129.0	
		Chlorobenzene	26.70/	0.00	106.8	71.0/129.0	
		Toluene	25.41/	0.00	101.6	71.0/129.0	
		Trichloroethene	23.71/	0.00	94.8	71.0/129.0	
0723206m.d	0723206.d	1,1-Dichloroethene	20.08/	0.00	80.3	71.0/129.0	WW
		Benzene	23.06/	0.00	92.2	71.0/129.0	
		Chlorobenzene	24.27/	0.00	97.1	71.0/129.0	
		Toluene	23.98/	0.00	95.9	71.0/129.0	
		Trichloroethene	22.56/	0.00	90.2	71.0/129.0	
lcs-w15a.d	blk-w15a.d	1,1-Dichloroethene	21.20/	0.00	84.8	71.0/129.0	WW
		Benzene	23.08/	0.00	92.3	71.0/129.0	
		Chlorobenzene	23.27/	0.00	93.1	71.0/129.0	
		Toluene	24.21/	0.00	96.8	71.0/129.0	
		Trichloroethene	21.86/	0.00	87.4	71.0/129.0	
0724701m.d	0724701.d	1,1-Dichloroethene	23.19/	0.00	92.8	71.0/129.0	WW
		Benzene	26.66/	0.00	106.6	71.0/129.0	
		Chlorobenzene	27.03/	0.00	108.1	71.0/129.0	
		Toluene	27.19/	0.00	108.8	71.0/129.0	
		Trichloroethene	25.97/	0.00	103.9	71.0/129.0	
0725404m.d	0725404.d	1,1-Dichloroethene	21.82/	0.00	87.3	71.0/129.0	WW
		Benzene	26.28/	0.00	105.1	71.0/129.0	
		Chlorobenzene	27.06/	0.00	108.2	71.0/129.0	

Form 3b: Matrix Spike Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

File Name	Sample Name	Target Compound	MS/Samp	Conc.	%Rec	LCL/UCL	Mat.
0725404m.d		Toluene	27.21/	0.00	108.8	71.0/129.0	
		Trichloroethene	25.46/	0.00	101.8	71.0/129.0	

NOTES

*: LCS/Matrix Spike recovery outside of laboratory-established control limits

Form 4: Method Blank Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	*Run Time*	*Target Compound*	*Conc.*	*Matrix*
blk-w08a.d	10/08 03:46 PM	acetone (*)	5.37	WW
		[end of compound list]	0.00	
blk-w09a.d	10/09 01:34 AM	acetone (*)	3.92	WW
		[end of compound list]	0.00	
blk-w10a.d	10/10 06:00 PM	acetone (*)	6.24	WW
		p-isopropyltoluene	1.04	
		n-butylbenzene	1.23	
		1,2,4-trichlorobenzene	1.02	
		hexachlorobutadiene	2.74	
		1,2,3-trichlorobenzene	1.15	
		[end of compound list]	0.00	
blk-w14a.d	10/14 07:35 PM	acetone (*)	2.06	WW
		2-butanone (mek) (*)	2.59	
		n-butylbenzene	1.22	
		hexachlorobutadiene	1.99	
		[end of compound list]	0.00	
blk-w15a.d	10/15 03:07 PM	acetone (*)	5.26	WW
		[end of compound list]	0.00	
blk-w18a.d	10/18 04:53 PM	acetone (*)	2.07	WW
		[end of compound list]	0.00	

Form 5: Instrument Performance Check (BFB/DFTPP)

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	Tgt. Mass	Rel. Mass	LCL(%)	UCL(%)	Rel.Abn.	Raw Abn.	Result
bfb08b.d	10/08 11:56 AM	50	95	15.0	40.0	21.2	107684	PASS
		75	95	30.0	60.0	45.6	231232	PASS
		95	95	100.0	100.0	100.0	506976	PASS
		96	95	5.0	9.0	7.2	36620	PASS
		173	174	0.0	2.0	0.4	1927	PASS
		174	95	50.0	200.0	89.5	453728	PASS
		175	174	5.0	9.0	7.4	33744	PASS
		176	174	95.0	101.0	99.2	450208	PASS
		177	176	5.0	9.0	6.6	29896	PASS
bfb09a.d	10/08 10:38 PM	50	95	15.0	40.0	20.0	114192	PASS
		75	95	30.0	60.0	47.0	267520	PASS
		95	95	100.0	100.0	100.0	569664	PASS
		96	95	5.0	9.0	7.7	43760	PASS
		173	174	0.0	2.0	0.7	3798	PASS
		174	95	50.0	200.0	89.0	507008	PASS
		175	174	5.0	9.0	6.6	33512	PASS
		176	174	95.0	101.0	98.9	501568	PASS
		177	176	5.0	9.0	7.3	36864	PASS
bfb09b.d	10/09 10:44 AM	50	95	15.0	40.0	20.4	116696	PASS
		75	95	30.0	60.0	46.7	266752	PASS
		95	95	100.0	100.0	100.0	571200	PASS
		96	95	5.0	9.0	7.7	44120	PASS
		173	174	0.0	2.0	0.7	3670	PASS
		174	95	50.0	200.0	93.2	532352	PASS
		175	174	5.0	9.0	7.2	38296	PASS
		176	174	95.0	101.0	98.9	526656	PASS
		177	176	5.0	9.0	6.8	35872	PASS
bfb10a.d	10/10 04:17 PM	50	95	15.0	40.0	21.0	103848	PASS
		75	95	30.0	60.0	46.2	228608	PASS
		95	95	100.0	100.0	100.0	494848	PASS
		96	95	5.0	9.0	6.9	34064	PASS
		173	174	0.0	2.0	0.0	0	PASS
		174	95	50.0	200.0	86.4	427456	PASS
		175	174	5.0	9.0	7.5	32080	PASS
		176	174	95.0	101.0	96.0	410432	PASS
		177	176	5.0	9.0	6.9	28376	PASS
bfb14a.d	10/14 04:59 PM	50	95	15.0	40.0	23.9	116064	PASS
		75	95	30.0	60.0	46.6	226112	PASS
		95	95	100.0	100.0	100.0	485504	PASS
		96	95	5.0	9.0	6.8	33056	PASS
		173	174	0.0	2.0	0.9	3534	PASS
		174	95	50.0	200.0	79.2	384640	PASS
		175	174	5.0	9.0	7.1	27232	PASS
		176	174	95.0	101.0	98.1	377408	PASS
		177	176	5.0	9.0	7.7	28920	PASS
bfb15a.d	10/15 11:37 AM	50	95	15.0	40.0	21.3	100240	PASS
		75	95	30.0	60.0	45.9	215936	PASS
		95	95	100.0	100.0	100.0	470016	PASS
		96	95	5.0	9.0	6.0	28296	PASS
		173	174	0.0	2.0	0.8	3355	PASS
		174	95	50.0	200.0	87.3	410432	PASS
		175	174	5.0	9.0	6.7	27312	PASS
		176	174	95.0	101.0	98.7	404928	PASS
		177	176	5.0	9.0	6.8	27536	PASS
bfb16a.d	10/16 11:45 AM	50	95	15.0	40.0	23.1	118288	PASS
		75	95	30.0	60.0	45.0	230464	PASS
		95	95	100.0	100.0	100.0	512576	PASS
		96	95	5.0	9.0	7.1	36168	PASS
		173	174	0.0	2.0	0.8	3555	PASS
		174	95	50.0	150.0	89.5	458688	PASS
		175	174	5.0	9.0	7.4	33880	PASS
		176	174	95.0	101.0	98.9	453696	PASS

Form 5: Instrument Performance Check (BFB/DFTPP)

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	Tgt. Mass	Rel. Mass	LCL(%)	UCL(%)	Rel:Abn.	Raw Abn.	Result
bfb16a.d	10/16 11:45 AM	177	176	5.0	9.0	6.7	30624	PASS
bfb17a.d	10/17 12:03 PM	50	95	15.0	40.0	21.1	62470	PASS
		75	95	30.0	60.0	46.5	137807	PASS
		95	95	100.0	100.0	100.0	296449	PASS
		96	95	5.0	9.0	7.1	20952	PASS
		173	174	0.0	2.0	0.5	1260	PASS
		174	95	50.0	100.0	85.1	252266	PASS
		175	174	5.0	9.0	7.1	18030	PASS
		176	174	95.0	101.0	100.0	252314	PASS
		177	176	5.0	9.0	6.7	16864	PASS
bfb18a.d	10/18 02:37 PM	50	95	15.0	40.0	20.8	112960	PASS
		75	95	30.0	60.0	44.8	243968	PASS
		95	95	100.0	100.0	100.0	544000	PASS
		96	95	5.0	9.0	6.2	33600	PASS
		173	174	0.0	2.0	0.0	0	PASS
		174	95	50.0	150.0	85.9	467456	PASS
		175	174	5.0	9.0	7.1	33328	PASS
		176	174	95.0	101.0	100.8	471296	PASS
		177	176	5.0	9.0	6.6	31136	PASS
bfb19a.d	10/19 12:22 AM	50	95	15.0	40.0	19.8	122200	PASS
		75	95	30.0	60.0	43.9	271168	PASS
		95	95	100.0	100.0	100.0	617920	PASS
		96	95	5.0	9.0	6.5	39896	PASS
		173	174	0.0	2.0	1.0	5499	PASS
		174	95	50.0	200.0	85.2	526656	PASS
		175	174	5.0	9.0	8.5	44608	PASS
		176	174	95.0	101.0	98.4	518144	PASS
		177	176	5.0	9.0	6.6	33968	PASS

Note: See Form 0 (Injection Log) for 12-hour time increments and associated samples

Form 6: Initial Calibration Data

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Compound	Fit	<RF>	%RSD	RF(1)	RF(2)	RF(3)	RF(4)	RF(5)	RF(6)	COD	k(0)	k(1)	k(2)
fl010926.m	PENTAFLUOROBENZENE (I)	I			100.0	60.00	40.00	20.00	10.00	5.000				
	1,2-DICHLOROETHANE-D4 (S)	A	0.439	4.99	0.461	0.414	0.469	0.431	0.439	0.421				
	Diethyl ether (*)	A	0.128	8.80	0.134	0.138	0.140	0.125	0.123	0.110				
	Acetone (*)	A	0.114	42.6	0.068	0.084	0.091	0.139	0.186					
	Methyl iodide (iodomethane) (*	A	0.447	4.96	0.410	0.464	0.473	0.439	0.454	0.443				
	Carbon disulfide (*)	A	1.280	3.18	1.288	1.319	1.325	1.217	1.277	1.254				
	tert-Methyl butyl ether (MTBE)	A	0.508	4.81	0.459	0.516	0.526	0.509	0.515	0.520				
	Acrylonitrile (*)	A	0.060	9.83	0.062	0.061	0.065	0.057	0.066	0.050				
	2-Butanone (MEK) (*)	A	0.102	12.8	0.095	0.094	0.095	0.103	0.125					
	Dichlorodifluoromethane	A	0.736	2.39	0.704	0.729	0.737	0.747	0.747	0.751				
	Chloromethane (SPCC)	A	0.684	5.12	0.654	0.686	0.709	0.638	0.734	0.685				
	Vinyl Chloride (CCC)	QO	0.420	15.7	0.368	0.441	0.449	0.461	0.489	0.314	1.00	0.00	0.513	-0.07
	Bromomethane	A	0.321	10.5	0.349	0.371	0.324	0.299	0.296	0.285				
	Chloroethane	A	0.293	2.62	0.281	0.292	0.298	0.301	0.299	0.288				
	Trichlorofluoromethane	A	0.895	3.40	0.897	0.930	0.932	0.875	0.869	0.864				
	1,1-Dichloroethene (CCC/MS)	A	0.739	4.04	0.752	0.760	0.780	0.706	0.722	0.711				
	Methylene Chloride	A	0.658	3.73	0.638	0.655	0.684	0.621	0.679	0.669				
	trans-1,2-Dichloroethene	A	0.667	4.78	0.680	0.707	0.697	0.648	0.637	0.633				
	1,1-Dichloroethane (SPCC)	A	0.793	2.87	0.806	0.805	0.804	0.771	0.758	0.814				
	2,2-Dichloropropane	A	0.523	4.24	0.539	0.547	0.542	0.502	0.498	0.509				
	cis-1,2-Dichloroethene	A	0.391	3.05	0.404	0.398	0.397	0.377	0.375	0.393				
	Chloroform (CCC)	A	0.759	3.24	0.734	0.769	0.753	0.730	0.770	0.795				
	Bromochloromethane	A	0.257	3.90	0.256	0.266	0.265	0.253	0.239	0.261				
	1,1,1-Trichloroethane	A	0.790	2.51	0.785	0.798	0.813	0.754	0.792	0.797				
	1,1-Dichloropropene	A	0.743	3.11	0.741	0.765	0.776	0.724	0.735	0.717				
	1,4-DIFLUOROBENZENE (I)	I			100.0	60.00	40.00	20.00	10.00	5.000				
	TOLUENE-D8 (S)	A	0.991	0.80	0.992	0.976	0.990	0.992	0.998	0.997				
	4-Methyl-2-pentanone (MIBK) (*	A	0.050	27.2	0.059	0.027	0.058	0.058	0.048					
	2-Hexanone (*)	A	0.050	9.01	0.054	0.052	0.054	0.048	0.045	0.044				
	Carbon Tetrachloride	A	0.442	6.11	0.467	0.471	0.458	0.434	0.412	0.411				
	Benzene (MS)	A	0.987	4.27	0.914	0.982	0.997	0.984	1.000	1.044				
	1,2-Dichloroethane	A	0.353	3.21	0.333	0.356	0.350	0.352	0.367	0.358				
	Trichloroethene (MS)	A	0.420	4.55	0.387	0.411	0.426	0.426	0.423	0.444				
	1,2-Dichloropropane (CCC)	A	0.353	3.16	0.334	0.352	0.359	0.354	0.368	0.353				
	Bromodichloromethane	A	0.514	1.96	0.504	0.522	0.522	0.526	0.504	0.508				
	Dibromomethane	A	0.307	5.70	0.278	0.306	0.305	0.315	0.307	0.332				
	cis-1,3-Dichloropropene	A	0.405	4.96	0.418	0.427	0.423	0.391	0.383	0.386				
	Toluene (CCC/MS)	A	1.188	5.01	1.074	1.175	1.199	1.225	1.217	1.235				
	trans-1,3-Dichloropropene	A	0.308	7.06	0.324	0.326	0.332	0.296	0.287	0.283				
	1,1,2-Trichloroethane	A	0.206	3.41	0.201	0.212	0.207	0.211	0.194	0.210				
	Tetrachloroethene	A	0.576	10.8	0.480	0.533	0.566	0.605	0.627	0.645				
	1,3-Dichloropropane	A	0.360	2.86	0.344	0.361	0.363	0.369	0.351	0.370				
	CHLOROBENZENE-D5 (I)	I			100.0	60.00	40.00	20.00	10.00	5.000				
	4-BROMOFLUOROBENZENE (S)	A	1.065	4.38	0.991	1.038	1.050	1.091	1.109	1.108				
	trans-1,4-Dichloro-2-butene (*	A	0.099	15.9	0.111	0.116	0.105	0.102	0.087	0.074				
	Dibromochloromethane	A	0.906	3.18	0.868	0.939	0.914	0.936	0.893	0.884				
	1,2-Dibromoethane	A	0.578	5.66	0.573	0.631	0.599	0.571	0.540	0.554				
	Chlorobenzene (SPCC/MS)	A	1.544	10.7	1.271	1.468	1.500	1.659	1.638	1.725				
	1,1,1,2-Tetrachloroethane	A	0.634	7.80	0.542	0.645	0.615	0.668	0.668	0.665				
	Ethylbenzene (CCC)	QO	2.511	9.23	2.092	2.475	2.470	2.678	2.738	2.615	1.00	0.00	2.860	-0.38
	p,m-Xylene	A	0.972	8.89	0.820	0.939	0.966	1.059	1.029	1.020				
	o-Xylene	A	2.267	6.34	1.998	2.285	2.281	2.432	2.319	2.287				
	Styrene	A	1.504	5.40	1.385	1.529	1.519	1.630	1.500	1.459				
	Isopropylbenzene	A	2.628	5.76	2.406	2.687	2.684	2.829	2.663	2.497				
	Bromoform (SPCC)	A	0.730	5.42	0.695	0.769	0.749	0.765	0.730	0.671				
	1,1,2,2-Tetrachloroethane (SPC	A	0.628	3.69	0.600	0.645	0.620	0.653	0.645	0.603				
	1,2,3-Trichloropropane	A	0.132	3.65	0.123	0.132	0.129	0.135	0.135	0.135				
	n-Propylbenzene	A	3.455	6.30	3.141	3.446	3.590	3.745	3.527	3.279				
	Bromobenzene	A	0.913	8.77	0.770	0.885	0.907	0.967	0.966	0.984				
	1,3,5-Trimethylbenzene	A	2.180	6.42	1.962	2.213	2.232	2.356	2.244	2.072				
	tert-Butylbenzene	A	2.208	7.02	2.001	2.271	2.290	2.380	2.275	2.028				
	1,2,4-Trimethylbenzene	A	2.124	6.23	1.899	2.194	2.131	2.272	2.195	2.053				

Form 6: Initial Calibration Data

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Compound	Fit	<RF>	%RSD	RF(1)	RF(2)	RF(3)	RF(4)	RF(5)	RF(6)	COD	k(0)	k(1)	k(2)
fl010926.m	1,4-DICHLOROBENZENE-D4 (I)	I			100.0	60.00	40.00	20.00	10.00	5.000				
	sec-Butylbenzene	A	2.717	8.82	2.814	2.892	2.961	2.797	2.457	2.380				
	p-Isopropyltoluene	A	2.110	8.50	2.204	2.272	2.248	2.143	1.981	1.812				
	1,3-Dichlorobenzene	A	1.402	3.49	1.329	1.418	1.473	1.426	1.382	1.383				
	1,4-Dichlorobenzene	A	1.369	3.74	1.273	1.382	1.407	1.413	1.384	1.357				
	1,2-Dichlorobenzene	A	1.265	3.06	1.253	1.288	1.316	1.289	1.219	1.226				
	n-Butylbenzene	A	1.975	14.3	2.166	2.253	2.169	1.977	1.757	1.530				
	1,2-Dibromo-3-Chloropropane	A	0.133	12.4	0.153	0.144	0.144	0.122	0.128	0.109				
	1,2,4-Trichlorobenzene	A	0.896	18.0	0.965	1.062	0.993	0.927	0.815	0.611				
	Hexachlorobutadiene	A	1.193	10.5	1.159	1.290	1.316	1.262	1.151	0.978				
	Naphthalene	A	0.911	34.0	1.172	1.188	1.077	0.900	0.747	0.381				
	1,2,3-Trichlorobenzene	A	0.827	20.2	0.898	0.987	0.935	0.860	0.752	0.527				
	2-Methylnaphthalene	A	0.218	48.2	0.407	0.277	0.147	0.161	0.152	0.162				

NOTES:

Average RF Fit : A* = <RF>C*
Other Curve Fit: A* = k(0) + k(1)C* + k(2)(C*)^2

Notation: A*=As/Ai (normalized peak area/height)
C*=Cs/Ci (normalized concentration)

Calibration (1): fl010926.M (Mean %RSD: 8.21)

Form 7a: System Performance Compounds Check

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	SPCC Compound	SPCC RF	RF LCL
spcc08a.d	10/08 10:56 AM	1,1,2,2-Tetrachloroethane	0.618	0.30
		1,1-Dichloroethane	0.823	0.10
		Bromoform	0.696	0.30
		Chlorobenzene	1.699	0.30
		Chloromethane	0.307	0.10
spcc08b.d	10/08 11:56 AM	1,1,2,2-Tetrachloroethane	0.664	0.30
		1,1-Dichloroethane	0.724	0.10
		Bromoform	0.732	0.30
		Chlorobenzene	1.584	0.30
		Chloromethane	0.675	0.10
spcc09a.d	10/08 10:38 PM	1,1,2,2-Tetrachloroethane	0.638	0.30
		1,1-Dichloroethane	0.776	0.10
		Bromoform	0.758	0.30
		Chlorobenzene	1.534	0.30
		Chloromethane	0.620	0.10
spcc09b.d	10/09 10:44 AM	1,1,2,2-Tetrachloroethane	0.647	0.30
		1,1-Dichloroethane	0.763	0.10
		Bromoform	0.758	0.30
		Chlorobenzene	1.593	0.30
		Chloromethane	0.630	0.10
spcc10a.d	10/10 04:17 PM	1,1,2,2-Tetrachloroethane	0.616	0.30
		1,1-Dichloroethane	0.755	0.10
		Bromoform	0.711	0.30
		Chlorobenzene	1.584	0.30
		Chloromethane	0.747	0.10
spcc14a.d	10/14 04:59 PM	1,1,2,2-Tetrachloroethane	0.636	0.30
		1,1-Dichloroethane	0.787	0.10
		Bromoform	0.685	0.30
		Chlorobenzene	1.594	0.30
		Chloromethane	0.680	0.10
spcc15a.d	10/15 11:37 AM	1,1,2,2-Tetrachloroethane	0.531	0.30
		1,1-Dichloroethane	0.692	0.10
		Bromoform	0.618	0.30
		Chlorobenzene	1.467	0.30
		Chloromethane	0.660	0.10
spcc16a.d	10/16 11:45 AM	1,1,2,2-Tetrachloroethane	0.599	0.30
		1,1-Dichloroethane	0.717	0.10
		Bromoform	0.707	0.30
		Chlorobenzene	1.584	0.30
		Chloromethane	0.616	0.10
spcc17a.d	10/17 12:03 PM	1,1,2,2-Tetrachloroethane	0.665	0.30
		1,1-Dichloroethane	0.787	0.10
		Bromoform	0.758	0.30
		Chlorobenzene	1.689	0.30
		Chloromethane	0.669	0.10
spcc18a.d	10/18 02:37 PM	1,1,2,2-Tetrachloroethane	0.667	0.30
		1,1-Dichloroethane	0.780	0.10
		Bromoform	0.765	0.30

Form 7a: System Performance Compounds Check

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	*Run Time*	*SPCC Compound*	*SPCC RF*	*RF LCL*
		Chlorobenzene	1.655	0.30
		Chloromethane	0.632	0.10
spcc19a.d	10/19 12:22 AM	1,1,2,2-Tetrachloroethane	0.663	0.30
		1,1-Dichloroethane	0.753	0.10
		Bromoform	0.778	0.30
		Chlorobenzene	1.550	0.30
		Chloromethane	0.531	0.10

NOTES

*: Performance compound RF below method-established control limit

Form 7b: Calibration Check Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	CCC Compound	CCC Conc.	CCC %D/UCL
spcc08a.d	10/08 10:56 AM	Vinyl Chloride	33.8/ 25.0	* 35.3/ 20.0
		1,1-Dichloroethene	27.5/ 25.0	10.1/ 20.0
		Chloroform	25.2/ 25.0	0.8/ 20.0
		1,2-Dichloropropane	25.0/ 25.0	0.0/ 20.0
		Toluene	27.0/ 25.0	8.0/ 20.0
		Ethylbenzene	26.4/ 25.0	5.7/ 20.0
spcc08b.d	10/08 11:56 AM	Vinyl Chloride	23.9/ 25.0	4.4/ 20.0
		1,1-Dichloroethene	23.7/ 25.0	5.2/ 20.0
		Chloroform	22.6/ 25.0	9.4/ 20.0
		1,2-Dichloropropane	24.1/ 25.0	3.7/ 20.0
		Toluene	25.2/ 25.0	0.8/ 20.0
		Ethylbenzene	25.5/ 25.0	2.2/ 20.0
spcc09a.d	10/08 10:38 PM	Vinyl Chloride	23.2/ 25.0	7.2/ 20.0
		1,1-Dichloroethene	23.4/ 25.0	6.6/ 20.0
		Chloroform	23.6/ 25.0	5.7/ 20.0
		1,2-Dichloropropane	23.5/ 25.0	5.9/ 20.0
		Toluene	24.5/ 25.0	2.0/ 20.0
		Ethylbenzene	22.3/ 25.0	10.7/ 20.0
spcc09b.d	10/09 10:44 AM	Vinyl Chloride	23.0/ 25.0	8.1/ 20.0
		1,1-Dichloroethene	23.6/ 25.0	5.6/ 20.0
		Chloroform	23.9/ 25.0	4.4/ 20.0
		1,2-Dichloropropane	23.6/ 25.0	5.4/ 20.0
		Toluene	25.1/ 25.0	0.4/ 20.0
		Ethylbenzene	24.1/ 25.0	3.5/ 20.0
spcc10a.d	10/10 04:17 PM	Vinyl Chloride	26.7/ 25.0	6.7/ 20.0
		1,1-Dichloroethene	24.1/ 25.0	3.5/ 20.0
		Chloroform	24.2/ 25.0	3.1/ 20.0
		1,2-Dichloropropane	23.3/ 25.0	6.8/ 20.0
		Toluene	24.8/ 25.0	0.8/ 20.0
		Ethylbenzene	24.1/ 25.0	3.6/ 20.0
spcc14a.d	10/14 04:59 PM	Vinyl Chloride	26.1/ 25.0	4.3/ 20.0
		1,1-Dichloroethene	26.0/ 25.0	3.8/ 20.0
		Chloroform	24.5/ 25.0	2.1/ 20.0
		1,2-Dichloropropane	24.6/ 25.0	1.6/ 20.0
		Toluene	26.0/ 25.0	4.1/ 20.0
		Ethylbenzene	24.9/ 25.0	0.2/ 20.0
spcc15a.d	10/15 11:37 AM	Vinyl Chloride	24.2/ 25.0	3.3/ 20.0
		1,1-Dichloroethene	23.2/ 25.0	7.2/ 20.0
		Chloroform	21.0/ 25.0	15.9/ 20.0
		1,2-Dichloropropane	22.3/ 25.0	10.8/ 20.0
		Toluene	22.7/ 25.0	9.2/ 20.0
		Ethylbenzene	23.0/ 25.0	7.8/ 20.0
spcc16a.d	10/16 11:45 AM	Vinyl Chloride	21.5/ 25.0	13.9/ 20.0
		1,1-Dichloroethene	23.5/ 25.0	5.9/ 20.0
		Chloroform	24.0/ 25.0	4.1/ 20.0
		1,2-Dichloropropane	23.2/ 25.0	7.1/ 20.0
		Toluene	24.6/ 25.0	1.5/ 20.0
		Ethylbenzene	23.9/ 25.0	4.6/ 20.0
spcc17a.d	10/17 12:03 PM	Vinyl Chloride	25.2/ 25.0	0.8/ 20.0
		1,1-Dichloroethene	24.5/ 25.0	2.0/ 20.0
		Chloroform	26.0/ 25.0	3.8/ 20.0
		1,2-Dichloropropane	25.8/ 25.0	3.3/ 20.0
		Toluene	28.1/ 25.0	12.3/ 20.0
		Ethylbenzene	26.6/ 25.0	6.2/ 20.0

Form 7b: Calibration Check Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	*Run Time*	*CCC Compound*	*CCC Conc.*	*CCC %D/UCL*
spcc18a.d	10/18 02:37 PM	Vinyl Chloride	22.1/ 25.0	11.6/ 20.0
		1,1-Dichloroethene	24.8/ 25.0	0.8/ 20.0
		Chloroform	25.2/ 25.0	0.7/ 20.0
		1,2-Dichloropropane	25.3/ 25.0	1.2/ 20.0
		Toluene	26.2/ 25.0	4.9/ 20.0
		Ethylbenzene	25.9/ 25.0	3.8/ 20.0
spcc19a.d	10/19 12:22 AM	Vinyl Chloride	22.0/ 25.0	11.9/ 20.0
		1,1-Dichloroethene	23.7/ 25.0	5.2/ 20.0
		Chloroform	24.5/ 25.0	2.0/ 20.0
		1,2-Dichloropropane	23.9/ 25.0	4.4/ 20.0
		Toluene	24.4/ 25.0	2.5/ 20.0
		Ethylbenzene	23.9/ 25.0	4.5/ 20.0

NOTES

*: Calibration check drift outside of method-established control limits

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
spcc08a.d	10/08 10:56 AM	Pentafluorobenzene	2068097/ 9.31	1.000/ 0.00
		1,4-Difluorobenzene	3373851/10.73	1.000/ 0.00
		Chlorobenzene-D5	1704256/15.20	1.000/ 0.00
		1,4-Dichlorobenzene-D4	1752857/18.92	1.000/ 0.00
spcc08b.d	10/08 11:56 AM	Pentafluorobenzene	2304584/ 9.32	1.000/ 0.00
		1,4-Difluorobenzene	3715073/10.73	1.000/ 0.00
		Chlorobenzene-D5	1920076/15.21	1.000/ 0.00
		1,4-Dichlorobenzene-D4	2002474/18.93	1.000/ 0.00
w-08a.d	10/08 12:50 PM	Pentafluorobenzene	2253711/ 9.32	0.978/ 0.00
		1,4-Difluorobenzene	3812417/10.74	1.026/ 0.01
		Chlorobenzene-D5	1970518/15.21	1.026/ 0.00
		1,4-Dichlorobenzene-D4	2048118/18.92	1.023/-0.01
0716101.d	10/08 01:26 PM	Pentafluorobenzene	2170162/ 9.32	0.942/ 0.00
		1,4-Difluorobenzene	3538968/10.74	0.953/ 0.01
		Chlorobenzene-D5	1882120/15.22	0.980/ 0.01
		1,4-Dichlorobenzene-D4	1969821/18.93	0.984/ 0.00
lcs-w08a.d	10/08 02:02 PM	Pentafluorobenzene	2291830/ 9.31	0.994/-0.01
		1,4-Difluorobenzene	3936785/10.73	1.060/ 0.00
		Chlorobenzene-D5	2017057/15.22	1.051/ 0.01
		1,4-Dichlorobenzene-D4	2152540/18.92	1.075/-0.01
0715601m.d	10/08 02:38 PM	Pentafluorobenzene	2273273/ 9.32	0.986/ 0.00
		1,4-Difluorobenzene	3920846/10.74	1.055/ 0.01
		Chlorobenzene-D5	1974856/15.21	1.029/ 0.00
		1,4-Dichlorobenzene-D4	2054413/18.92	1.026/-0.01
w-08b.d	10/08 03:12 PM	Pentafluorobenzene	2434037/ 9.32	1.056/ 0.00
		1,4-Difluorobenzene	4030793/10.74	1.085/ 0.01
		Chlorobenzene-D5	2035787/15.22	1.060/ 0.01
		1,4-Dichlorobenzene-D4	2050085/18.93	1.024/ 0.00
blk-w08a.d	10/08 03:46 PM	Pentafluorobenzene	2450642/ 9.32	1.063/ 0.00
		1,4-Difluorobenzene	4030204/10.74	1.085/ 0.01
		Chlorobenzene-D5	2022723/15.22	1.053/ 0.01
		1,4-Dichlorobenzene-D4	2011756/18.94	1.005/ 0.01
0715601.d	10/08 04:20 PM	Pentafluorobenzene	2493085/ 9.32	1.082/ 0.00
		1,4-Difluorobenzene	4112485/10.74	1.107/ 0.01
		Chlorobenzene-D5	2057648/15.23	1.072/ 0.02
		1,4-Dichlorobenzene-D4	2022314/18.93	1.010/ 0.00
0715601d.d	10/08 04:54 PM	Pentafluorobenzene	2535150/ 9.34	1.100/ 0.02
		1,4-Difluorobenzene	4141175/10.73	1.115/ 0.00
		Chlorobenzene-D5	2055092/15.20	1.070/-0.01
		1,4-Dichlorobenzene-D4	1973361/18.90	0.985/-0.03
0716001.d	10/08 05:28 PM	Pentafluorobenzene	2422899/ 9.28	1.051/-0.04
		1,4-Difluorobenzene	3964012/10.71	1.067/-0.02
		Chlorobenzene-D5	2000512/15.19	1.042/-0.02
		1,4-Dichlorobenzene-D4	2066967/18.89	1.032/-0.04
0720520.d	10/08 06:03 PM	Pentafluorobenzene	2199035/ 9.28	0.954/-0.04
		1,4-Difluorobenzene	3667507/10.70	0.987/-0.03
		Chlorobenzene-D5	1888904/15.18	0.984/-0.03
		1,4-Dichlorobenzene-D4	1933922/18.89	0.966/-0.04
0713902r.d	10/08 06:37 PM	Pentafluorobenzene	2355392/ 9.28	1.022/-0.04
		1,4-Difluorobenzene	4048133/10.70	1.090/-0.03
		Chlorobenzene-D5	2002075/15.17	1.043/-0.04
		1,4-Dichlorobenzene-D4	2052150/18.90	1.025/-0.03
0716401.d	10/08 07:11 PM	Pentafluorobenzene	2254462/ 9.28	0.978/-0.04
		1,4-Difluorobenzene	3871067/10.71	1.042/-0.02
		Chlorobenzene-D5	1930570/15.18	1.005/-0.03
		1,4-Dichlorobenzene-D4	1939628/18.90	0.969/-0.03

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0716402.d	10/08 07:45 PM	Pentafluorobenzene	2288580/ 9.29	0.993/-0.03
		1,4-Difluorobenzene	3888280/10.70	1.047/-0.03
		Chlorobenzene-D5	1935955/15.19	1.008/-0.02
		1,4-Dichlorobenzene-D4	1945275/18.90	0.971/-0.03
0716403.d	10/08 08:19 PM	Pentafluorobenzene	2294742/ 9.29	0.996/-0.03
		1,4-Difluorobenzene	3763118/10.70	1.013/-0.03
		Chlorobenzene-D5	1921812/15.19	1.001/-0.02
		1,4-Dichlorobenzene-D4	1935449/18.90	0.967/-0.03
0716404.d	10/08 08:55 PM	Pentafluorobenzene	2369041/ 9.29	1.028/-0.03
		1,4-Difluorobenzene	3948313/10.71	1.063/-0.02
		Chlorobenzene-D5	1979350/15.20	1.031/-0.01
		1,4-Dichlorobenzene-D4	1931429/18.91	0.965/-0.02
0715801.d	10/08 09:29 PM	Pentafluorobenzene	2334527/ 9.29	1.013/-0.03
		1,4-Difluorobenzene	3834846/10.71	1.032/-0.02
		Chlorobenzene-D5	1956581/15.19	1.019/-0.02
		1,4-Dichlorobenzene-D4	1974615/18.91	0.986/-0.02
0715901.d	10/08 10:04 PM	Pentafluorobenzene	2018592/ 9.29	0.876/-0.03
		1,4-Difluorobenzene	3204615/10.72	0.863/-0.01
		Chlorobenzene-D5	1727635/15.20	0.900/-0.01
		1,4-Dichlorobenzene-D4	1807078/18.91	0.902/-0.02
spcc09a.d	10/08 10:38 PM	Pentafluorobenzene	2255653/ 9.28	1.000/ 0.00
		1,4-Difluorobenzene	3905709/10.72	1.000/ 0.00
		Chlorobenzene-D5	2014513/15.19	1.000/ 0.00
		1,4-Dichlorobenzene-D4	2174507/18.90	1.000/ 0.00
lcs-w09a.d	10/08 11:14 PM	Pentafluorobenzene	2330638/ 9.30	1.033/ 0.02
		1,4-Difluorobenzene	3963079/10.71	1.015/-0.01
		Chlorobenzene-D5	2019150/15.19	1.002/ 0.00
		1,4-Dichlorobenzene-D4	2067574/18.91	0.951/ 0.01
0716603m.d	10/08 11:50 PM	Pentafluorobenzene	2365015/ 9.30	1.048/ 0.02
		1,4-Difluorobenzene	3945223/10.72	1.010/ 0.00
		Chlorobenzene-D5	2034827/15.20	1.010/ 0.01
		1,4-Dichlorobenzene-D4	2065755/18.90	0.950/ 0.00
0716603n.d	10/09 12:25 AM	Pentafluorobenzene	2389208/ 9.29	1.059/ 0.01
		1,4-Difluorobenzene	3964561/10.71	1.015/-0.01
		Chlorobenzene-D5	2060475/15.19	1.023/ 0.00
		1,4-Dichlorobenzene-D4	2111010/18.90	0.971/ 0.00
w-09a.d	10/09 12:59 AM	Pentafluorobenzene	2266630/ 9.29	1.005/ 0.01
		1,4-Difluorobenzene	3971338/10.71	1.017/-0.01
		Chlorobenzene-D5	1988450/15.19	0.987/ 0.00
		1,4-Dichlorobenzene-D4	2046167/18.91	0.941/ 0.01
blk-w09a.d	10/09 01:34 AM	Pentafluorobenzene	2347043/ 9.30	1.041/ 0.02
		1,4-Difluorobenzene	4028057/10.72	1.031/ 0.00
		Chlorobenzene-D5	2013459/15.19	0.999/ 0.00
		1,4-Dichlorobenzene-D4	2026890/18.91	0.932/ 0.01
0716603.d	10/09 02:07 AM	Pentafluorobenzene	2293808/ 9.28	1.017/ 0.00
		1,4-Difluorobenzene	4004020/10.71	1.025/-0.01
		Chlorobenzene-D5	2047159/15.20	1.016/ 0.01
		1,4-Dichlorobenzene-D4	2044855/18.91	0.940/ 0.01
0716603d.d	10/09 02:42 AM	Pentafluorobenzene	2245943/ 9.29	0.996/ 0.01
		1,4-Difluorobenzene	3790711/10.71	0.971/-0.01
		Chlorobenzene-D5	1991286/15.19	0.988/ 0.00
		1,4-Dichlorobenzene-D4	2061592/18.90	0.948/ 0.00
0716601.d	10/09 03:17 AM	Pentafluorobenzene	2377782/ 9.29	1.054/ 0.01
		1,4-Difluorobenzene	4066892/10.71	1.041/-0.01
		Chlorobenzene-D5	2104533/15.19	1.045/ 0.00
		1,4-Dichlorobenzene-D4	2127670/18.91	0.978/ 0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0716602.d	10/09 03:51 AM	Pentafluorobenzene	2378271/ 9.29	1.054/ 0.01
		1,4-Difluorobenzene	4067316/10.71	1.041/-0.01
		Chlorobenzene-D5	2049144/15.19	1.017/ 0.00
		1,4-Dichlorobenzene-D4	2101336/18.90	0.966/ 0.00
0716604.d	10/09 04:25 AM	Pentafluorobenzene	2179839/ 9.31	0.966/ 0.03
		1,4-Difluorobenzene	3606327/10.72	0.923/ 0.00
		Chlorobenzene-D5	1902826/15.20	0.945/ 0.01
		1,4-Dichlorobenzene-D4	1885785/18.91	0.867/ 0.01
0716605.d	10/09 04:59 AM	Pentafluorobenzene	2362753/ 9.29	1.047/ 0.01
		1,4-Difluorobenzene	3965829/10.71	1.015/-0.01
		Chlorobenzene-D5	2000655/15.20	0.993/ 0.01
		1,4-Dichlorobenzene-D4	1950271/18.91	0.897/ 0.01
0716606.d	10/09 05:33 AM	Pentafluorobenzene	2430320/ 9.29	1.077/ 0.01
		1,4-Difluorobenzene	4086350/10.72	1.046/ 0.00
		Chlorobenzene-D5	2055608/15.19	1.020/ 0.00
		1,4-Dichlorobenzene-D4	2132464/18.91	0.981/ 0.01
0716607.d	10/09 06:07 AM	Pentafluorobenzene	2307037/ 9.29	1.023/ 0.01
		1,4-Difluorobenzene	4002689/10.71	1.025/-0.01
		Chlorobenzene-D5	2010076/15.19	0.998/ 0.00
		1,4-Dichlorobenzene-D4	1963414/18.91	0.903/ 0.01
0716608.d	10/09 06:40 AM	Pentafluorobenzene	2365606/ 9.30	1.049/ 0.02
		1,4-Difluorobenzene	4060822/10.71	1.040/-0.01
		Chlorobenzene-D5	2048151/15.19	1.017/ 0.00
		1,4-Dichlorobenzene-D4	2088079/18.91	0.960/ 0.01
0716610.d	10/09 07:14 AM	Pentafluorobenzene	2359958/ 9.30	1.046/ 0.02
		1,4-Difluorobenzene	4052401/10.71	1.038/-0.01
		Chlorobenzene-D5	2010376/15.20	0.998/ 0.01
		1,4-Dichlorobenzene-D4	1999349/18.91	0.919/ 0.01
0716611.d	10/09 07:50 AM	Pentafluorobenzene	2269630/ 9.29	1.006/ 0.01
		1,4-Difluorobenzene	3890350/10.72	0.996/ 0.00
		Chlorobenzene-D5	1944747/15.20	0.965/ 0.01
		1,4-Dichlorobenzene-D4	1865798/18.92	0.858/ 0.02
0716609.d	10/09 08:25 AM	Pentafluorobenzene	2380636/ 9.28	1.055/ 0.00
		1,4-Difluorobenzene	4002987/10.71	1.025/-0.01
		Chlorobenzene-D5	2060225/15.19	1.023/ 0.00
		1,4-Dichlorobenzene-D4	2136315/18.90	0.982/ 0.00
0714701.d	10/09 09:00 AM	Pentafluorobenzene	2116141/ 9.29	0.938/ 0.01
		1,4-Difluorobenzene	3711105/10.72	0.950/ 0.00
		Chlorobenzene-D5	1935937/15.20	0.961/ 0.01
		1,4-Dichlorobenzene-D4	1997013/18.91	0.918/ 0.01
0715101.d	10/09 09:34 AM	Pentafluorobenzene	2233423/ 9.29	0.990/ 0.01
		1,4-Difluorobenzene	3798658/10.72	0.973/ 0.00
		Chlorobenzene-D5	1970035/15.20	0.978/ 0.01
		1,4-Dichlorobenzene-D4	1976613/18.92	0.909/ 0.02
0715102.d	10/09 10:09 AM	Pentafluorobenzene	2064703/ 9.31	0.915/ 0.03
		1,4-Difluorobenzene	3623941/10.72	0.928/ 0.00
		Chlorobenzene-D5	1931008/15.21	0.959/ 0.02
		1,4-Dichlorobenzene-D4	1961128/18.92	0.902/ 0.02
spcc09b.d	10/09 10:44 AM	Pentafluorobenzene	2257117/ 9.30	1.000/ 0.00
		1,4-Difluorobenzene	3741560/10.72	1.000/ 0.00
		Chlorobenzene-D5	1903050/15.20	1.000/ 0.00
		1,4-Dichlorobenzene-D4	2098599/18.91	1.000/ 0.00
w-09b.d	10/09 11:18 AM	Pentafluorobenzene	2254484/ 9.31	0.999/ 0.01
		1,4-Difluorobenzene	3817802/10.72	1.020/ 0.00
		Chlorobenzene-D5	1965566/15.20	1.033/ 0.00
		1,4-Dichlorobenzene-D4	2070961/18.92	0.987/ 0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0715901r.d	10/09 11:52 AM	Pentafluorobenzene	2218715/ 9.30	0.983/ 0.00
		1,4-Difluorobenzene	3709836/10.72	0.992/ 0.00
		Chlorobenzene-D5	1891825/15.20	0.994/ 0.00
		1,4-Dichlorobenzene-D4	1917053/18.92	0.913/ 0.01
0716001r.d	10/09 12:29 PM	Pentafluorobenzene	2251106/ 9.30	0.997/ 0.00
		1,4-Difluorobenzene	3915597/10.72	1.047/ 0.00
		Chlorobenzene-D5	1943535/15.20	1.021/ 0.00
		1,4-Dichlorobenzene-D4	2023375/18.91	0.964/ 0.00
0715901x.d	10/09 01:12 PM	Pentafluorobenzene	2221761/ 9.30	0.984/ 0.00
		1,4-Difluorobenzene	3745999/10.73	1.001/ 0.01
		Chlorobenzene-D5	1905425/15.19	1.001/-0.01
		1,4-Dichlorobenzene-D4	1978029/18.91	0.943/ 0.00
0715103.d	10/09 01:45 PM	Pentafluorobenzene	2039457/ 9.29	0.904/-0.01
		1,4-Difluorobenzene	3734822/10.71	0.998/-0.01
		Chlorobenzene-D5	1910749/15.19	1.004/-0.01
		1,4-Dichlorobenzene-D4	1873259/18.91	0.893/ 0.00
0713901r.d	10/09 02:19 PM	Pentafluorobenzene	2374221/ 9.29	1.052/-0.01
		1,4-Difluorobenzene	4078643/10.71	1.090/-0.01
		Chlorobenzene-D5	1993957/15.19	1.048/-0.01
		1,4-Dichlorobenzene-D4	2158576/18.90	1.029/-0.01
0713902x.d	10/09 02:52 PM	Pentafluorobenzene	2379789/ 9.30	1.054/ 0.00
		1,4-Difluorobenzene	4024508/10.71	1.076/-0.01
		Chlorobenzene-D5	1958291/15.19	1.029/-0.01
		1,4-Dichlorobenzene-D4	2016468/18.91	0.961/ 0.00
0717201.d	10/09 04:15 PM	Pentafluorobenzene	2259768/ 9.30	1.001/ 0.00
		1,4-Difluorobenzene	3766798/10.72	1.007/ 0.00
		Chlorobenzene-D5	1926058/15.19	1.012/-0.01
		1,4-Dichlorobenzene-D4	2030613/18.90	0.968/-0.01
0717202.d	10/09 04:48 PM	Pentafluorobenzene	2318840/ 9.28	1.027/-0.02
		1,4-Difluorobenzene	3868672/10.70	1.034/-0.02
		Chlorobenzene-D5	1904727/15.19	1.001/-0.01
		1,4-Dichlorobenzene-D4	2027532/18.90	0.966/-0.01
0717203.d	10/09 05:22 PM	Pentafluorobenzene	2232746/ 9.30	0.989/ 0.00
		1,4-Difluorobenzene	3772013/10.71	1.008/-0.01
		Chlorobenzene-D5	1931520/15.19	1.015/-0.01
		1,4-Dichlorobenzene-D4	1985373/18.91	0.946/ 0.00
0717204.d	10/09 05:56 PM	Pentafluorobenzene	2353312/ 9.29	1.043/-0.01
		1,4-Difluorobenzene	4034581/10.71	1.078/-0.01
		Chlorobenzene-D5	2030422/15.19	1.067/-0.01
		1,4-Dichlorobenzene-D4	2184452/18.91	1.041/ 0.00
0717205.d	10/09 06:30 PM	Pentafluorobenzene	2330483/ 9.29	1.033/-0.01
		1,4-Difluorobenzene	4007805/10.72	1.071/ 0.00
		Chlorobenzene-D5	1991649/15.20	1.047/ 0.00
		1,4-Dichlorobenzene-D4	2126198/18.92	1.013/ 0.01
0717206.d	10/09 07:03 PM	Pentafluorobenzene	2353677/ 9.30	1.043/ 0.00
		1,4-Difluorobenzene	3933957/10.72	1.051/ 0.00
		Chlorobenzene-D5	1961967/15.20	1.031/ 0.00
		1,4-Dichlorobenzene-D4	2033746/18.91	0.969/ 0.00
0717207.d	10/09 07:37 PM	Pentafluorobenzene	2351535/ 9.30	1.042/ 0.00
		1,4-Difluorobenzene	3958456/10.72	1.058/ 0.00
		Chlorobenzene-D5	1976556/15.20	1.039/ 0.00
		1,4-Dichlorobenzene-D4	2025323/18.92	0.965/ 0.01
0717208.d	10/09 08:11 PM	Pentafluorobenzene	2369216/ 9.30	1.050/ 0.00
		1,4-Difluorobenzene	3963501/10.72	1.059/ 0.00
		Chlorobenzene-D5	1968617/15.20	1.034/ 0.00
		1,4-Dichlorobenzene-D4	1996727/18.92	0.951/ 0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0717209.d	10/09 08:45 PM	Pentafluorobenzene	2371960/ 9.30	1.051/ 0.00
		1,4-Difluorobenzene	4002064/10.72	1.070/ 0.00
		Chlorobenzene-D5	2034364/15.20	1.069/ 0.00
		1,4-Dichlorobenzene-D4	2144956/18.91	1.022/ 0.00
0717210.d	10/09 09:18 PM	Pentafluorobenzene	2392946/ 9.31	1.060/ 0.01
		1,4-Difluorobenzene	4076713/10.71	1.090/-0.01
		Chlorobenzene-D5	2030067/15.20	1.067/ 0.00
		1,4-Dichlorobenzene-D4	2134225/18.92	1.017/ 0.01
0717211.d	10/09 09:52 PM	Pentafluorobenzene	2293615/ 9.30	1.016/ 0.00
		1,4-Difluorobenzene	3878712/10.72	1.037/ 0.00
		Chlorobenzene-D5	1991485/15.20	1.046/ 0.00
		1,4-Dichlorobenzene-D4	1984943/18.92	0.946/ 0.01
0717212.d	10/09 10:26 PM	Pentafluorobenzene	2261407/ 9.30	1.002/ 0.00
		1,4-Difluorobenzene	3973588/10.72	1.062/ 0.00
		Chlorobenzene-D5	1981975/15.21	1.041/ 0.01
		1,4-Dichlorobenzene-D4	2091553/18.92	0.997/ 0.01
0717213.d	10/09 10:59 PM	Pentafluorobenzene	2231088/ 9.30	0.988/ 0.00
		1,4-Difluorobenzene	3878162/10.72	1.037/ 0.00
		Chlorobenzene-D5	1921015/15.21	1.009/ 0.01
		1,4-Dichlorobenzene-D4	2062152/18.92	0.983/ 0.01
0716901.d	10/09 11:33 PM	Pentafluorobenzene	2241406/ 9.30	0.993/ 0.00
		1,4-Difluorobenzene	3927666/10.72	1.050/ 0.00
		Chlorobenzene-D5	1968812/15.20	1.035/ 0.00
		1,4-Dichlorobenzene-D4	2196342/18.92	1.047/ 0.01
w-09c.d	10/10 12:10 AM	Pentafluorobenzene	2216703/ 9.31	0.982/ 0.01
		1,4-Difluorobenzene	3923445/10.73	1.049/ 0.01
		Chlorobenzene-D5	1946701/15.20	1.023/ 0.00
		1,4-Dichlorobenzene-D4	1992363/18.92	0.949/ 0.01
spcc10a.d	10/10 04:17 PM	Pentafluorobenzene	2063952/ 9.29	1.000/ 0.00
		1,4-Difluorobenzene	3410895/10.71	1.000/ 0.00
		Chlorobenzene-D5	1766669/15.18	1.000/ 0.00
		1,4-Dichlorobenzene-D4	1817375/18.90	1.000/ 0.00
lcs-w10a.d	10/10 04:51 PM	Pentafluorobenzene	2102513/ 9.28	1.019/-0.01
		1,4-Difluorobenzene	3540532/10.70	1.038/-0.01
		Chlorobenzene-D5	1828709/15.18	1.035/ 0.00
		1,4-Dichlorobenzene-D4	1946652/18.90	1.071/ 0.00
0719601m.d	10/10 05:26 PM	Pentafluorobenzene	2080708/ 9.29	1.008/ 0.00
		1,4-Difluorobenzene	3542682/10.71	1.039/ 0.00
		Chlorobenzene-D5	1811360/15.18	1.025/ 0.00
		1,4-Dichlorobenzene-D4	1939613/18.90	1.067/ 0.00
blk-w10a.d	10/10 06:00 PM	Pentafluorobenzene	2136967/ 9.30	1.035/ 0.01
		1,4-Difluorobenzene	3644886/10.72	1.069/ 0.01
		Chlorobenzene-D5	1878886/15.21	1.064/ 0.03
		1,4-Dichlorobenzene-D4	1978431/18.92	1.089/ 0.02
0719601.d	10/10 06:34 PM	Pentafluorobenzene	2048196/ 9.29	0.992/ 0.00
		1,4-Difluorobenzene	3497406/10.71	1.025/ 0.00
		Chlorobenzene-D5	1831952/15.19	1.037/ 0.01
		1,4-Dichlorobenzene-D4	1888882/18.91	1.039/ 0.01
0719601d.d	10/10 07:11 PM	Pentafluorobenzene	2103343/ 9.31	1.019/ 0.02
		1,4-Difluorobenzene	3578519/10.72	1.049/ 0.01
		Chlorobenzene-D5	1798809/15.20	1.018/ 0.02
		1,4-Dichlorobenzene-D4	1875099/18.91	1.032/ 0.01
0719602.d	10/10 07:45 PM	Pentafluorobenzene	1957287/ 9.30	0.948/ 0.01
		1,4-Difluorobenzene	3404299/10.71	0.998/ 0.00
		Chlorobenzene-D5	1715485/15.19	0.971/ 0.01
		1,4-Dichlorobenzene-D4	1811310/18.90	0.997/ 0.00

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0717701r.d	10/10 08:19 PM	Pentafluorobenzene	2095806/ 9.30	1.015/ 0.01
		1,4-Difluorobenzene	3567873/10.71	1.046/ 0.00
		Chlorobenzene-D5	1883800/15.19	1.066/ 0.01
		1,4-Dichlorobenzene-D4	2056725/18.90	1.132/ 0.00
0717213r.d	10/10 08:54 PM	Pentafluorobenzene	2178470/ 9.30	1.055/ 0.01
		1,4-Difluorobenzene	3780976/10.72	1.109/ 0.01
		Chlorobenzene-D5	1969592/15.19	1.115/ 0.01
		1,4-Dichlorobenzene-D4	2024288/18.90	1.114/ 0.00
0717407r.d	10/10 09:27 PM	Pentafluorobenzene	2157894/ 9.29	1.046/ 0.00
		1,4-Difluorobenzene	3695698/10.71	1.083/ 0.00
		Chlorobenzene-D5	1934981/15.19	1.095/ 0.01
		1,4-Dichlorobenzene-D4	2021989/18.90	1.113/ 0.00
0717304r.d	10/10 10:02 PM	Pentafluorobenzene	2137103/ 9.28	1.035/-0.01
		1,4-Difluorobenzene	3665303/10.71	1.075/ 0.00
		Chlorobenzene-D5	1922827/15.18	1.088/ 0.00
		1,4-Dichlorobenzene-D4	1996424/18.90	1.099/ 0.00
0715103x.d	10/10 10:36 PM	Pentafluorobenzene	2237499/ 9.28	1.084/-0.01
		1,4-Difluorobenzene	3870426/10.70	1.135/-0.01
		Chlorobenzene-D5	1950844/15.18	1.104/ 0.00
		1,4-Dichlorobenzene-D4	1993170/18.89	1.097/-0.01
0716901r.d	10/10 11:09 PM	Pentafluorobenzene	2150765/ 9.29	1.042/ 0.00
		1,4-Difluorobenzene	3678315/10.70	1.078/-0.01
		Chlorobenzene-D5	1839364/15.18	1.041/ 0.00
		1,4-Dichlorobenzene-D4	1955512/18.90	1.076/ 0.00
0720101.d	10/10 11:44 PM	Pentafluorobenzene	1943692/ 9.28	0.942/-0.01
		1,4-Difluorobenzene	3387362/10.70	0.993/-0.01
		Chlorobenzene-D5	1696559/15.19	0.960/ 0.01
		1,4-Dichlorobenzene-D4	1734382/18.90	0.954/ 0.00
spcc14a.d	10/14 04:59 PM	Pentafluorobenzene	2013209/ 9.28	1.000/ 0.00
		1,4-Difluorobenzene	3360276/10.69	1.000/ 0.00
		Chlorobenzene-D5	1756986/15.16	1.000/ 0.00
		1,4-Dichlorobenzene-D4	1748435/18.88	1.000/ 0.00
blk-w14a.d	10/14 07:35 PM	Pentafluorobenzene	2363317/ 9.28	1.174/ 0.00
		1,4-Difluorobenzene	3819578/10.69	1.137/ 0.00
		Chlorobenzene-D5	1955710/15.17	1.113/ 0.01
		1,4-Dichlorobenzene-D4	1886488/18.88	1.079/ 0.00
0723201.d	10/14 08:45 PM	Pentafluorobenzene	2263398/ 9.28	1.124/ 0.00
		1,4-Difluorobenzene	3800211/10.70	1.131/ 0.01
		Chlorobenzene-D5	1954559/15.17	1.112/ 0.01
		1,4-Dichlorobenzene-D4	1879598/18.89	1.075/ 0.01
0722401.d	10/14 09:19 PM	Pentafluorobenzene	2181425/ 9.28	1.084/ 0.00
		1,4-Difluorobenzene	3669044/10.69	1.092/ 0.00
		Chlorobenzene-D5	1850976/15.16	1.053/ 0.00
		1,4-Dichlorobenzene-D4	1733299/18.89	0.991/ 0.01
0723202.d	10/14 09:53 PM	Pentafluorobenzene	2400500/ 9.28	1.192/ 0.00
		1,4-Difluorobenzene	4018997/10.70	1.196/ 0.01
		Chlorobenzene-D5	1999530/15.17	1.138/ 0.01
		1,4-Dichlorobenzene-D4	1893843/18.89	1.083/ 0.01
0723203.d	10/14 10:27 PM	Pentafluorobenzene	2350290/ 9.28	1.167/ 0.00
		1,4-Difluorobenzene	3927189/10.69	1.169/ 0.00
		Chlorobenzene-D5	1969021/15.17	1.121/ 0.01
		1,4-Dichlorobenzene-D4	1897742/18.89	1.085/ 0.01
0723204.d	10/14 11:01 PM	Pentafluorobenzene	2364581/ 9.28	1.175/ 0.00
		1,4-Difluorobenzene	4010976/10.69	1.194/ 0.00
		Chlorobenzene-D5	2029198/15.17	1.155/ 0.01
		1,4-Dichlorobenzene-D4	1998866/18.89	1.143/ 0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0723205.d	10/14 11:35 PM	Pentafluorobenzene	2328723/ 9.27	1.157/-0.01
		1,4-Difluorobenzene	3935422/10.70	1.171/ 0.01
		Chlorobenzene-D5	1963039/15.17	1.117/ 0.01
		1,4-Dichlorobenzene-D4	1853099/18.89	1.060/ 0.01
0723206.d	10/15 12:09 AM	Pentafluorobenzene	2344778/ 9.27	1.165/-0.01
		1,4-Difluorobenzene	3852434/10.69	1.146/ 0.00
		Chlorobenzene-D5	1977174/15.17	1.125/ 0.01
		1,4-Dichlorobenzene-D4	1939055/18.89	1.109/ 0.01
0723301.d	10/15 12:44 AM	Pentafluorobenzene	2290337/ 9.27	1.138/-0.01
		1,4-Difluorobenzene	3840238/10.70	1.143/ 0.01
		Chlorobenzene-D5	1931318/15.16	1.099/ 0.00
		1,4-Dichlorobenzene-D4	1826704/18.89	1.045/ 0.01
0723302.d	10/15 01:18 AM	Pentafluorobenzene	2327835/ 9.28	1.156/ 0.00
		1,4-Difluorobenzene	3930375/10.70	1.170/ 0.01
		Chlorobenzene-D5	1977928/15.17	1.126/ 0.01
		1,4-Dichlorobenzene-D4	2032931/18.89	1.163/ 0.01
0723303.d	10/15 01:53 AM	Pentafluorobenzene	2337660/ 9.27	1.161/-0.01
		1,4-Difluorobenzene	3908857/10.69	1.163/ 0.00
		Chlorobenzene-D5	1975009/15.16	1.124/ 0.00
		1,4-Dichlorobenzene-D4	1900186/18.88	1.087/ 0.00
0722501.d	10/15 02:27 AM	Pentafluorobenzene	2112617/ 9.27	1.049/-0.01
		1,4-Difluorobenzene	3566133/10.69	1.061/ 0.00
		Chlorobenzene-D5	1805372/15.17	1.028/ 0.01
		1,4-Dichlorobenzene-D4	1727688/18.88	0.988/ 0.00
0715402s.d	10/15 03:01 AM	Pentafluorobenzene	2221568/ 9.27	1.103/-0.01
		1,4-Difluorobenzene	3704246/10.69	1.102/ 0.00
		Chlorobenzene-D5	1921544/15.17	1.094/ 0.01
		1,4-Dichlorobenzene-D4	1805346/18.89	1.033/ 0.01
0715403s.d	10/15 03:34 AM	Pentafluorobenzene	2370578/ 9.27	1.178/-0.01
		1,4-Difluorobenzene	3958550/10.69	1.178/ 0.00
		Chlorobenzene-D5	1971319/15.17	1.122/ 0.01
		1,4-Dichlorobenzene-D4	1906861/18.88	1.091/ 0.00
0717002s.d	10/15 04:08 AM	Pentafluorobenzene	2348649/ 9.27	1.167/-0.01
		1,4-Difluorobenzene	3975029/10.70	1.183/ 0.01
		Chlorobenzene-D5	1997741/15.16	1.137/ 0.00
		1,4-Dichlorobenzene-D4	1859903/18.88	1.064/ 0.00
0717105.d	10/15 10:57 AM	Pentafluorobenzene	2562878/ 9.28	1.273/ 0.00
		1,4-Difluorobenzene	4304943/10.70	1.281/ 0.01
		Chlorobenzene-D5	2044400/15.17	1.164/ 0.01
		1,4-Dichlorobenzene-D4	2085808/18.89	1.193/ 0.01
spcc15a.d	10/15 11:37 AM	Pentafluorobenzene	2097171/ 9.27	1.000/ 0.00
		1,4-Difluorobenzene	3408471/10.68	1.000/ 0.00
		Chlorobenzene-D5	1722437/15.16	1.000/ 0.00
		1,4-Dichlorobenzene-D4	1830117/18.88	1.000/ 0.00
w-15a.d	10/15 12:22 PM	Pentafluorobenzene	2290021/ 9.28	1.092/ 0.01
		1,4-Difluorobenzene	3784325/10.70	1.110/ 0.02
		Chlorobenzene-D5	1966061/15.17	1.141/ 0.01
		1,4-Dichlorobenzene-D4	2009015/18.89	1.098/ 0.01
0717105r.d	10/15 01:25 PM	Pentafluorobenzene	2209298/ 9.29	1.053/ 0.02
		1,4-Difluorobenzene	3666289/10.70	1.076/ 0.02
		Chlorobenzene-D5	1873483/15.18	1.088/ 0.02
		1,4-Dichlorobenzene-D4	1941018/18.89	1.061/ 0.01
0723206r.d	10/15 01:58 PM	Pentafluorobenzene	2190359/ 9.28	1.044/ 0.01
		1,4-Difluorobenzene	3788744/10.69	1.112/ 0.01
		Chlorobenzene-D5	1909974/15.17	1.109/ 0.01
		1,4-Dichlorobenzene-D4	1953099/18.89	1.067/ 0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0723206d.d	10/15 02:33 PM	Pentafluorobenzene	2238851/ 9.27	1.068/ 0.00
		1,4-Difluorobenzene	3713747/10.69	1.090/ 0.01
		Chlorobenzene-D5	1933463/15.17	1.123/ 0.01
		1,4-Dichlorobenzene-D4	1958437/18.88	1.070/ 0.00
blk-w15a.d	10/15 03:07 PM	Pentafluorobenzene	2102797/ 9.28	1.003/ 0.01
		1,4-Difluorobenzene	3486169/10.70	1.023/ 0.02
		Chlorobenzene-D5	1869859/15.17	1.086/ 0.01
		1,4-Dichlorobenzene-D4	1986177/18.90	1.085/ 0.02
0723206m.d	10/15 03:42 PM	Pentafluorobenzene	2288966/ 9.26	1.091/-0.01
		1,4-Difluorobenzene	3727279/10.68	1.094/ 0.00
		Chlorobenzene-D5	1953268/15.16	1.134/ 0.00
		1,4-Dichlorobenzene-D4	2054655/18.87	1.123/-0.01
lcs-w15a.d	10/15 04:16 PM	Pentafluorobenzene	2090516/ 9.26	0.997/-0.01
		1,4-Difluorobenzene	3347771/10.68	0.982/ 0.00
		Chlorobenzene-D5	1771668/15.16	1.029/ 0.00
		1,4-Dichlorobenzene-D4	1984763/18.88	1.085/ 0.00
w-15b.d	10/15 04:51 PM	Pentafluorobenzene	2260581/ 9.27	1.078/ 0.00
		1,4-Difluorobenzene	3806189/10.68	1.117/ 0.00
		Chlorobenzene-D5	1968744/15.16	1.143/ 0.00
		1,4-Dichlorobenzene-D4	1926574/18.88	1.053/ 0.00
0728301.d	10/15 05:24 PM	Pentafluorobenzene	2185489/ 9.26	1.042/-0.01
		1,4-Difluorobenzene	3698799/10.68	1.085/ 0.00
		Chlorobenzene-D5	1904285/15.16	1.106/ 0.00
		1,4-Dichlorobenzene-D4	1986878/18.88	1.086/ 0.00
0723501.d	10/15 05:59 PM	Pentafluorobenzene	2255742/ 9.27	1.076/ 0.00
		1,4-Difluorobenzene	3845911/10.68	1.128/ 0.00
		Chlorobenzene-D5	1987013/15.17	1.154/ 0.01
		1,4-Dichlorobenzene-D4	2026792/18.89	1.107/ 0.01
0723502.d	10/15 06:34 PM	Pentafluorobenzene	2184237/ 9.27	1.042/ 0.00
		1,4-Difluorobenzene	3747163/10.69	1.099/ 0.01
		Chlorobenzene-D5	1905577/15.17	1.106/ 0.01
		1,4-Dichlorobenzene-D4	1971844/18.88	1.077/ 0.00
0723503.d	10/15 07:08 PM	Pentafluorobenzene	2339620/ 9.27	1.116/ 0.00
		1,4-Difluorobenzene	3882679/10.69	1.139/ 0.01
		Chlorobenzene-D5	1997507/15.16	1.160/ 0.00
		1,4-Dichlorobenzene-D4	1984097/18.88	1.084/ 0.00
0723504.d	10/15 07:41 PM	Pentafluorobenzene	2226503/ 9.27	1.062/ 0.00
		1,4-Difluorobenzene	3836472/10.69	1.126/ 0.01
		Chlorobenzene-D5	1965366/15.17	1.141/ 0.01
		1,4-Dichlorobenzene-D4	1957306/18.88	1.069/ 0.00
0723507.d	10/15 08:16 PM	Pentafluorobenzene	2002452/ 9.28	0.955/ 0.01
		1,4-Difluorobenzene	3472400/10.69	1.019/ 0.01
		Chlorobenzene-D5	1893822/15.17	1.100/ 0.01
		1,4-Dichlorobenzene-D4	1989726/18.88	1.087/ 0.00
0723508.d	10/15 08:51 PM	Pentafluorobenzene	2225606/ 9.27	1.061/ 0.00
		1,4-Difluorobenzene	3811961/10.69	1.118/ 0.01
		Chlorobenzene-D5	1993305/15.17	1.157/ 0.01
		1,4-Dichlorobenzene-D4	2026952/18.89	1.108/ 0.01
0723505.d	10/15 09:26 PM	Pentafluorobenzene	2331582/ 9.27	1.112/ 0.00
		1,4-Difluorobenzene	3936673/10.69	1.155/ 0.01
		Chlorobenzene-D5	2000650/15.16	1.162/ 0.00
		1,4-Dichlorobenzene-D4	2034147/18.88	1.111/ 0.00
0723506.d	10/15 10:01 PM	Pentafluorobenzene	2243894/ 9.28	1.070/ 0.01
		1,4-Difluorobenzene	3868946/10.69	1.135/ 0.01
		Chlorobenzene-D5	2001426/15.16	1.162/ 0.00
		1,4-Dichlorobenzene-D4	2001635/18.89	1.094/ 0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
spcc16a.d	10/16 11:45 AM	Pentafluorobenzene	2240359/ 9.32	1.000/ 0.00
		1,4-Difluorobenzene	3700404/10.73	1.000/ 0.00
		Chlorobenzene-D5	1898061/15.21	1.000/ 0.00
		1,4-Dichlorobenzene-D4	2003130/18.92	1.000/ 0.00
w-16a.d	10/16 12:20 PM	Pentafluorobenzene	2272210/ 9.31	1.014/-0.01
		1,4-Difluorobenzene	3787204/10.73	1.023/ 0.00
		Chlorobenzene-D5	2010397/15.21	1.059/ 0.00
		1,4-Dichlorobenzene-D4	2036387/18.93	1.017/ 0.01
0723505r.d	10/16 12:55 PM	Pentafluorobenzene	2048899/ 9.31	0.915/-0.01
		1,4-Difluorobenzene	3420057/10.74	0.924/ 0.01
		Chlorobenzene-D5	1851564/15.22	0.976/ 0.01
		1,4-Dichlorobenzene-D4	1902270/18.93	0.950/ 0.01
0723506r.d	10/16 01:29 PM	Pentafluorobenzene	2280780/ 9.32	1.018/ 0.00
		1,4-Difluorobenzene	3919385/10.74	1.059/ 0.01
		Chlorobenzene-D5	2040096/15.22	1.075/ 0.01
		1,4-Dichlorobenzene-D4	2179582/18.94	1.088/ 0.02
0724101.d	10/16 02:05 PM	Pentafluorobenzene	2214479/ 9.32	0.988/ 0.00
		1,4-Difluorobenzene	3796908/10.74	1.026/ 0.01
		Chlorobenzene-D5	1967830/15.22	1.037/ 0.01
		1,4-Dichlorobenzene-D4	2036939/18.93	1.017/ 0.01
0723901.d	10/16 02:40 PM	Pentafluorobenzene	2129890/ 9.33	0.951/ 0.01
		1,4-Difluorobenzene	3726442/10.74	1.007/ 0.01
		Chlorobenzene-D5	1921942/15.23	1.013/ 0.02
		1,4-Dichlorobenzene-D4	2054654/18.95	1.026/ 0.03
0723506x.d	10/16 03:17 PM	Pentafluorobenzene	2216901/ 9.32	0.990/ 0.00
		1,4-Difluorobenzene	3709938/10.74	1.003/ 0.01
		Chlorobenzene-D5	1936740/15.22	1.020/ 0.01
		1,4-Dichlorobenzene-D4	2099308/18.94	1.048/ 0.02
0721501s.d	10/16 03:52 PM	Pentafluorobenzene	2029511/ 9.32	0.906/ 0.00
		1,4-Difluorobenzene	3446618/10.74	0.931/ 0.01
		Chlorobenzene-D5	1405285/15.21	0.740/ 0.00
		1,4-Dichlorobenzene-D4	816558/18.94	* 0.408/ 0.02
0721504s.d	10/16 04:26 PM	Pentafluorobenzene	2361595/ 9.31	1.054/-0.01
		1,4-Difluorobenzene	3975632/10.74	1.074/ 0.01
		Chlorobenzene-D5	2001006/15.22	1.054/ 0.01
		1,4-Dichlorobenzene-D4	2019575/18.94	1.008/ 0.02
0721506s.d	10/16 05:00 PM	Pentafluorobenzene	2321335/ 9.32	1.036/ 0.00
		1,4-Difluorobenzene	3976722/10.73	1.075/ 0.00
		Chlorobenzene-D5	2009299/15.21	1.059/ 0.00
		1,4-Dichlorobenzene-D4	2021979/18.94	1.009/ 0.02
0724701.d	10/16 05:34 PM	Pentafluorobenzene	2302021/ 9.32	1.028/ 0.00
		1,4-Difluorobenzene	3873657/10.74	1.047/ 0.01
		Chlorobenzene-D5	2011843/15.22	1.060/ 0.01
		1,4-Dichlorobenzene-D4	2061049/18.94	1.029/ 0.02
0724701d.d	10/16 06:08 PM	Pentafluorobenzene	2397230/ 9.31	1.070/-0.01
		1,4-Difluorobenzene	4150215/10.74	1.122/ 0.01
		Chlorobenzene-D5	2097839/15.22	1.105/ 0.01
		1,4-Dichlorobenzene-D4	2149098/18.93	1.073/ 0.01
0724705.d	10/16 06:43 PM	Pentafluorobenzene	2260559/ 9.32	1.009/ 0.00
		1,4-Difluorobenzene	3872667/10.74	1.047/ 0.01
		Chlorobenzene-D5	1963525/15.22	1.034/ 0.01
		1,4-Dichlorobenzene-D4	1989527/18.93	0.993/ 0.01
0724706.d	10/16 07:17 PM	Pentafluorobenzene	2368631/ 9.32	1.057/ 0.00
		1,4-Difluorobenzene	4191089/10.73	1.133/ 0.00
		Chlorobenzene-D5	2030828/15.21	1.070/ 0.00
		1,4-Dichlorobenzene-D4	2057553/18.93	1.027/ 0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0724802.d	10/16 07:52 PM	Pentafluorobenzene	2429572/ 9.33	1.084/ 0.01
		1,4-Difluorobenzene	4086669/10.74	1.104/ 0.01
		Chlorobenzene-D5	2081062/15.22	1.096/ 0.01
		1,4-Dichlorobenzene-D4	2045702/18.94	1.021/ 0.02
0724801.d	10/16 08:26 PM	Pentafluorobenzene	2388014/ 9.32	1.066/ 0.00
		1,4-Difluorobenzene	4168854/10.73	1.127/ 0.00
		Chlorobenzene-D5	2075763/15.21	1.094/ 0.00
		1,4-Dichlorobenzene-D4	2136637/18.93	1.067/ 0.01
0724704.d	10/16 09:00 PM	Pentafluorobenzene	2360706/ 9.32	1.054/ 0.00
		1,4-Difluorobenzene	4081442/10.74	1.103/ 0.01
		Chlorobenzene-D5	2086347/15.22	1.099/ 0.01
		1,4-Dichlorobenzene-D4	2086407/18.94	1.042/ 0.02
0724703.d	10/16 09:35 PM	Pentafluorobenzene	2386927/ 9.32	1.065/ 0.00
		1,4-Difluorobenzene	4054067/10.74	1.096/ 0.01
		Chlorobenzene-D5	2071362/15.22	1.091/ 0.01
		1,4-Dichlorobenzene-D4	2004635/18.93	1.001/ 0.01
0724702.d	10/16 10:10 PM	Pentafluorobenzene	2222257/ 9.32	0.992/ 0.00
		1,4-Difluorobenzene	3750835/10.74	1.014/ 0.01
		Chlorobenzene-D5	1994395/15.22	1.051/ 0.01
		1,4-Dichlorobenzene-D4	2010113/18.94	1.003/ 0.02
0724701m.d	10/16 10:45 PM	Pentafluorobenzene	2331118/ 9.31	1.041/-0.01
		1,4-Difluorobenzene	4126756/10.74	1.115/ 0.01
		Chlorobenzene-D5	2141334/15.21	1.128/ 0.00
		1,4-Dichlorobenzene-D4	2254743/18.93	1.126/ 0.01
lcs-w16a.d	10/16 11:21 PM	Pentafluorobenzene	2253327/ 9.31	1.006/-0.01
		1,4-Difluorobenzene	3986933/10.74	1.077/ 0.01
		Chlorobenzene-D5	2031697/15.22	1.070/ 0.01
		1,4-Dichlorobenzene-D4	2140237/18.93	1.068/ 0.01
spcc17a.d	10/17 12:03 PM	Pentafluorobenzene	2167281/ 9.30	1.000/ 0.00
		1,4-Difluorobenzene	3541331/10.73	1.000/ 0.00
		Chlorobenzene-D5	1868587/15.21	1.000/ 0.00
		1,4-Dichlorobenzene-D4	1955181/18.91	1.000/ 0.00
w-17a.d	10/17 12:38 PM	Pentafluorobenzene	2174684/ 9.30	1.003/ 0.00
		1,4-Difluorobenzene	3702596/10.72	1.046/-0.01
		Chlorobenzene-D5	1881326/15.21	1.007/ 0.00
		1,4-Dichlorobenzene-D4	1909877/18.92	0.977/ 0.01
0721501r.d	10/17 01:12 PM	Pentafluorobenzene	1701286/ 9.31	0.785/ 0.01
		1,4-Difluorobenzene	2797844/10.72	0.790/-0.01
		Chlorobenzene-D5	1272387/15.21	0.681/ 0.00
		1,4-Dichlorobenzene-D4	895650/18.92	* 0.458/ 0.01
0724703r.d	10/17 01:45 PM	Pentafluorobenzene	2294830/ 9.31	1.059/ 0.01
		1,4-Difluorobenzene	3981455/10.73	1.124/ 0.00
		Chlorobenzene-D5	2033529/15.21	1.088/ 0.00
		1,4-Dichlorobenzene-D4	2181093/18.94	1.116/ 0.03
0725201.d	10/17 02:20 PM	Pentafluorobenzene	2043579/ 9.31	0.943/ 0.01
		1,4-Difluorobenzene	3675643/10.73	1.038/ 0.00
		Chlorobenzene-D5	1900573/15.21	1.017/ 0.00
		1,4-Dichlorobenzene-D4	1945056/18.93	0.995/ 0.02
0725202.d	10/17 02:55 PM	Pentafluorobenzene	2313079/ 9.31	1.067/ 0.01
		1,4-Difluorobenzene	4023064/10.73	1.136/ 0.00
		Chlorobenzene-D5	2075766/15.21	1.111/ 0.00
		1,4-Dichlorobenzene-D4	2123708/18.94	1.086/ 0.03
0725401.d	10/17 03:29 PM	Pentafluorobenzene	2271114/ 9.33	1.048/ 0.03
		1,4-Difluorobenzene	3844123/10.74	1.086/ 0.01
		Chlorobenzene-D5	1996787/15.21	1.069/ 0.00
		1,4-Dichlorobenzene-D4	2104648/18.94	1.076/ 0.03

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0725402.d	10/17 04:03 PM	Pentafluorobenzene	2329003/ 9.31	1.075/ 0.01
		1,4-Difluorobenzene	3977300/10.74	1.123/ 0.01
		Chlorobenzene-D5	2023967/15.21	1.083/ 0.00
		1,4-Dichlorobenzene-D4	2048417/18.94	1.048/ 0.03
0725403.d	10/17 04:39 PM	Pentafluorobenzene	2289876/ 9.32	1.057/ 0.02
		1,4-Difluorobenzene	3974293/10.74	1.122/ 0.01
		Chlorobenzene-D5	2081019/15.22	1.114/ 0.01
		1,4-Dichlorobenzene-D4	2108099/18.94	1.078/ 0.03
0725404.d	10/17 05:13 PM	Pentafluorobenzene	2348828/ 9.32	1.084/ 0.02
		1,4-Difluorobenzene	3977202/10.74	1.123/ 0.01
		Chlorobenzene-D5	2058565/15.23	1.102/ 0.02
		1,4-Dichlorobenzene-D4	2077100/18.94	1.062/ 0.03
0725404d.d	10/17 05:47 PM	Pentafluorobenzene	2297717/ 9.31	1.060/ 0.01
		1,4-Difluorobenzene	4001947/10.73	1.130/ 0.00
		Chlorobenzene-D5	2038656/15.22	1.091/ 0.01
		1,4-Dichlorobenzene-D4	2110143/18.93	1.079/ 0.02
0725405.d	10/17 06:21 PM	Pentafluorobenzene	2364027/ 9.32	1.091/ 0.02
		1,4-Difluorobenzene	4059391/10.74	1.146/ 0.01
		Chlorobenzene-D5	2092240/15.21	1.120/ 0.00
		1,4-Dichlorobenzene-D4	2181492/18.94	1.116/ 0.03
0725406.d	10/17 06:55 PM	Pentafluorobenzene	2283514/ 9.31	1.054/ 0.01
		1,4-Difluorobenzene	4016445/10.73	1.134/ 0.00
		Chlorobenzene-D5	2019599/15.23	1.081/ 0.02
		1,4-Dichlorobenzene-D4	2162976/18.93	1.106/ 0.02
0725407.d	10/17 07:29 PM	Pentafluorobenzene	2295914/ 9.32	1.059/ 0.02
		1,4-Difluorobenzene	3987089/10.74	1.126/ 0.01
		Chlorobenzene-D5	1983824/15.23	1.062/ 0.02
		1,4-Dichlorobenzene-D4	2123595/18.94	1.086/ 0.03
0726801.d	10/17 08:03 PM	Pentafluorobenzene	2207841/ 9.32	1.019/ 0.02
		1,4-Difluorobenzene	3835191/10.74	1.083/ 0.01
		Chlorobenzene-D5	1910899/15.22	1.023/ 0.01
		1,4-Dichlorobenzene-D4	2050902/18.94	1.049/ 0.03
0726802.d	10/17 08:38 PM	Pentafluorobenzene	2277742/ 9.31	1.051/ 0.01
		1,4-Difluorobenzene	3988486/10.74	1.126/ 0.01
		Chlorobenzene-D5	2036501/15.22	1.090/ 0.01
		1,4-Dichlorobenzene-D4	2148155/18.94	1.099/ 0.03
0726803.d	10/17 09:13 PM	Pentafluorobenzene	2217301/ 9.31	1.023/ 0.01
		1,4-Difluorobenzene	3963565/10.74	1.119/ 0.01
		Chlorobenzene-D5	2056630/15.23	1.101/ 0.02
		1,4-Dichlorobenzene-D4	2127444/18.93	1.088/ 0.02
0726804.d	10/17 09:47 PM	Pentafluorobenzene	2285674/ 9.31	1.055/ 0.01
		1,4-Difluorobenzene	3927349/10.74	1.109/ 0.01
		Chlorobenzene-D5	2011023/15.23	1.076/ 0.02
		1,4-Dichlorobenzene-D4	2079550/18.93	1.064/ 0.02
0726805.d	10/17 10:21 PM	Pentafluorobenzene	2264923/ 9.32	1.045/ 0.02
		1,4-Difluorobenzene	3924949/10.73	1.108/ 0.00
		Chlorobenzene-D5	2042783/15.22	1.093/ 0.01
		1,4-Dichlorobenzene-D4	2091853/18.94	1.070/ 0.03
0726806.d	10/17 10:55 PM	Pentafluorobenzene	2267031/ 9.31	1.046/ 0.01
		1,4-Difluorobenzene	3912134/10.73	1.105/ 0.00
		Chlorobenzene-D5	2001377/15.21	1.071/ 0.00
		1,4-Dichlorobenzene-D4	2032760/18.93	1.040/ 0.02
0725404m.d	10/17 11:29 PM	Pentafluorobenzene	2290305/ 9.31	1.057/ 0.01
		1,4-Difluorobenzene	3994075/10.73	1.128/ 0.00
		Chlorobenzene-D5	2063120/15.22	1.104/ 0.01
		1,4-Dichlorobenzene-D4	2213292/18.93	1.132/ 0.02

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
spcc18a.d	10/18 02:37 PM	Pentafluorobenzene	2112563/ 9.29	1.000/ 0.00
		1,4-Difluorobenzene	3548910/10.70	1.000/ 0.00
		Chlorobenzene-D5	1794960/15.18	1.000/ 0.00
		1,4-Dichlorobenzene-D4	1934819/18.90	1.000/ 0.00
w-18a.d	10/18 04:18 PM	Pentafluorobenzene	2151326/ 9.30	1.018/ 0.01
		1,4-Difluorobenzene	3772981/10.71	1.063/ 0.01
		Chlorobenzene-D5	1942780/15.20	1.082/ 0.02
		1,4-Dichlorobenzene-D4	2096605/18.92	1.084/ 0.02
blk-w18a.d	10/18 04:53 PM	Pentafluorobenzene	2162644/ 9.30	1.024/ 0.01
		1,4-Difluorobenzene	3786382/10.72	1.067/ 0.02
		Chlorobenzene-D5	1916781/15.20	1.068/ 0.02
		1,4-Dichlorobenzene-D4	2018373/18.91	1.043/ 0.01
0726601.d	10/18 06:02 PM	Pentafluorobenzene	2221604/ 9.30	1.052/ 0.01
		1,4-Difluorobenzene	3856435/10.72	1.087/ 0.02
		Chlorobenzene-D5	1948578/15.21	1.086/ 0.03
		1,4-Dichlorobenzene-D4	2027645/18.93	1.048/ 0.03
0726602.d	10/18 06:37 PM	Pentafluorobenzene	2262606/ 9.31	1.071/ 0.02
		1,4-Difluorobenzene	3882619/10.73	1.094/ 0.03
		Chlorobenzene-D5	2028368/15.21	1.130/ 0.03
		1,4-Dichlorobenzene-D4	2067026/18.93	1.068/ 0.03
0726604.d	10/18 07:11 PM	Pentafluorobenzene	2286643/ 9.31	1.082/ 0.02
		1,4-Difluorobenzene	3906762/10.72	1.101/ 0.02
		Chlorobenzene-D5	1991598/15.20	1.110/ 0.02
		1,4-Dichlorobenzene-D4	2053947/18.93	1.062/ 0.03
0726605.d	10/18 07:47 PM	Pentafluorobenzene	2233583/ 9.30	1.057/ 0.01
		1,4-Difluorobenzene	3706625/10.73	1.044/ 0.03
		Chlorobenzene-D5	1897049/15.21	1.057/ 0.03
		1,4-Dichlorobenzene-D4	1946986/18.93	1.006/ 0.03
0726606.d	10/18 08:21 PM	Pentafluorobenzene	2242353/ 9.32	1.061/ 0.03
		1,4-Difluorobenzene	3900480/10.73	1.099/ 0.03
		Chlorobenzene-D5	1972851/15.21	1.099/ 0.03
		1,4-Dichlorobenzene-D4	1929324/18.93	0.997/ 0.03
0726607.d	10/18 08:55 PM	Pentafluorobenzene	2322551/ 9.31	1.099/ 0.02
		1,4-Difluorobenzene	3918658/10.73	1.104/ 0.03
		Chlorobenzene-D5	1966872/15.21	1.096/ 0.03
		1,4-Dichlorobenzene-D4	1962200/18.93	1.014/ 0.03
0726608.d	10/18 09:30 PM	Pentafluorobenzene	2257698/ 9.31	1.069/ 0.02
		1,4-Difluorobenzene	3916293/10.74	1.104/ 0.04
		Chlorobenzene-D5	1986664/15.22	1.107/ 0.04
		1,4-Dichlorobenzene-D4	2055037/18.93	1.062/ 0.03
0726609.d	10/18 10:04 PM	Pentafluorobenzene	2208679/ 9.31	1.045/ 0.02
		1,4-Difluorobenzene	3842357/10.74	1.083/ 0.04
		Chlorobenzene-D5	1948553/15.21	1.086/ 0.03
		1,4-Dichlorobenzene-D4	1955853/18.94	1.011/ 0.04
0726610.d	10/18 10:38 PM	Pentafluorobenzene	2244440/ 9.32	1.062/ 0.03
		1,4-Difluorobenzene	3889712/10.74	1.096/ 0.04
		Chlorobenzene-D5	1982909/15.22	1.105/ 0.04
		1,4-Dichlorobenzene-D4	2032448/18.93	1.050/ 0.03
0726611.d	10/18 11:15 PM	Pentafluorobenzene	2255763/ 9.33	1.068/ 0.04
		1,4-Difluorobenzene	3942484/10.75	1.111/ 0.05
		Chlorobenzene-D5	2004791/15.22	1.117/ 0.04
		1,4-Dichlorobenzene-D4	2009364/18.93	1.039/ 0.03
0726603.d	10/18 11:48 PM	Pentafluorobenzene	2262872/ 9.32	1.071/ 0.03
		1,4-Difluorobenzene	3884987/10.75	1.095/ 0.05
		Chlorobenzene-D5	1971444/15.22	1.098/ 0.04
		1,4-Dichlorobenzene-D4	2012358/18.94	1.040/ 0.04

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011008al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
spcc19a.d	10/19 12:22 AM	Pentafluorobenzene	2320543/ 9.32	1.000/ 0.00
		1,4-Difluorobenzene	3967394/10.73	1.000/ 0.00
		Chlorobenzene-D5	2024206/15.22	1.000/ 0.00
		1,4-Dichlorobenzene-D4	2132512/18.93	1.000/ 0.00
w-19a.d	10/19 12:56 AM	Pentafluorobenzene	2272640/ 9.32	0.979/ 0.00
		1,4-Difluorobenzene	3939744/10.74	0.993/ 0.01
		Chlorobenzene-D5	2025858/15.22	1.001/ 0.00
		1,4-Dichlorobenzene-D4	2094941/18.94	0.982/ 0.01
0727501.d	10/19 01:31 AM	Pentafluorobenzene	2273159/ 9.32	0.980/ 0.00
		1,4-Difluorobenzene	3956838/10.74	0.997/ 0.01
		Chlorobenzene-D5	2070934/15.22	1.023/ 0.00
		1,4-Dichlorobenzene-D4	2083251/18.94	0.977/ 0.01
0727502.d	10/19 02:05 AM	Pentafluorobenzene	2184128/ 9.32	0.941/ 0.00
		1,4-Difluorobenzene	3751851/10.74	0.946/ 0.01
		Chlorobenzene-D5	1947816/15.21	0.962/-0.01
		1,4-Dichlorobenzene-D4	2002023/18.94	0.939/ 0.01
0727503.d	10/19 02:40 AM	Pentafluorobenzene	2227078/ 9.32	0.960/ 0.00
		1,4-Difluorobenzene	3884266/10.74	0.979/ 0.01
		Chlorobenzene-D5	1993042/15.22	0.985/ 0.00
		1,4-Dichlorobenzene-D4	2036681/18.93	0.955/ 0.00
0727504.d	10/19 03:14 AM	Pentafluorobenzene	2231227/ 9.31	0.962/-0.01
		1,4-Difluorobenzene	3925754/10.74	0.990/ 0.01
		Chlorobenzene-D5	1948209/15.22	0.962/ 0.00
		1,4-Dichlorobenzene-D4	2053851/18.94	0.963/ 0.01
0727505.d	10/19 03:48 AM	Pentafluorobenzene	2227170/ 9.32	0.960/ 0.00
		1,4-Difluorobenzene	3790044/10.74	0.955/ 0.01
		Chlorobenzene-D5	1950725/15.22	0.964/ 0.00
		1,4-Dichlorobenzene-D4	1962182/18.93	0.920/ 0.00
0727506.d	10/19 04:22 AM	Pentafluorobenzene	2165590/ 9.32	0.933/ 0.00
		1,4-Difluorobenzene	3840313/10.74	0.968/ 0.01
		Chlorobenzene-D5	2000850/15.22	0.988/ 0.00
		1,4-Dichlorobenzene-D4	2075579/18.94	0.973/ 0.01
0727507.d	10/19 04:58 AM	Pentafluorobenzene	2189664/ 9.31	0.944/-0.01
		1,4-Difluorobenzene	3812193/10.74	0.961/ 0.01
		Chlorobenzene-D5	1956414/15.22	0.967/ 0.00
		1,4-Dichlorobenzene-D4	2007429/18.93	0.941/ 0.00
0727508.d	10/19 05:32 AM	Pentafluorobenzene	2143145/ 9.31	0.924/-0.01
		1,4-Difluorobenzene	3800538/10.74	0.958/ 0.01
		Chlorobenzene-D5	1957269/15.21	0.967/-0.01
		1,4-Dichlorobenzene-D4	1936146/18.93	0.908/ 0.00
0727201.d	10/19 06:06 AM	Pentafluorobenzene	2179562/ 9.32	0.939/ 0.00
		1,4-Difluorobenzene	3919684/10.74	0.988/ 0.01
		Chlorobenzene-D5	2038672/15.22	1.007/ 0.00
		1,4-Dichlorobenzene-D4	2116430/18.93	0.992/ 0.00
0725402r.d	10/19 06:42 AM	Pentafluorobenzene	2223807/ 9.31	0.958/-0.01
		1,4-Difluorobenzene	3898925/10.74	0.983/ 0.01
		Chlorobenzene-D5	2059036/15.22	1.017/ 0.00
		1,4-Dichlorobenzene-D4	2175238/18.94	1.020/ 0.01

KEY:
[Area/RT]: Absolute area (counts) and absolute retention time (minutes) of internal standard
[Ratio/Diff]: Ratio of internal standard areas and difference between internal standard retention times (minutes)

CONTROL LIMITS:
Area UCL/LCL = 50% to 200% of internal standard area
RT UCL/LCL = +/- 0.5 minutes of internal standard RT

Form 0: GC/MS injection Log - Semi-Volatile Organics

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Index of Applicable Reporting Forms

Form 0: GC/MS Injection Log - Semi-Volatile Organics
Form 1: GC/MS Data Sheet
Form 2: Surrogate Standard Recoveries
Form 3a: Duplicate/Matrix Spike Duplicate Summary
Form 3b: Matrix Spike Summary
Form 4: Method Blank Summary
Form 5: Instrument Performance Check (BFB/DFTPP)
Form 6: Initial Calibration Data
Form 7a: System Performance Compounds Check
Form 7b: Calibration Check Compounds
Form 8: Internal Standard Area and Retention Time Study
Supplemental Forms: Chromatographic Data

Filename	LIMS ID	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
d18a.d	10/18	10:58 AM		WW	IP		
spcc18a.d	10/18	11:41 AM		WW	CV		
blk-w18d.d	10/18	12:51 PM		WW	Bl		
0725201.d	10/18	03:42 PM	gmkw03 tclpsem 470ml/ml 3:1	WW			
0725202.d	10/18	04:25 PM	gmkw03 tclpsem 590ml/2ml 100:1	WW			
0726601.d	10/18	05:08 PM	wes04 8270w 1000ml/ml 1:1	WW			
0726601d.d	10/18	05:51 PM	wes04 8270w 1000ml/ml 1:1	WW	Dp		
0726602.d	10/18	06:35 PM	wes04 8270w 1000ml/ml 1:1	WW			
0726603.d	10/18	07:18 PM	wes04 8270w 1000ml/ml 1:1	WW			
0726604.d	10/18	08:01 PM	wes04 8270w 1000ml/ml 1:1	WW			
0726605.d	10/18	08:44 PM	wes04 8270w 1000ml/ml 1:1	WW		2	S
0726606.d	10/18	09:27 PM	wes04 8270w 1000ml/ml 1:1	WW		2	S
0726607.d	10/18	10:10 PM	wes04 8270w 1000ml/ml 1:1	WW			
0726608.d	10/18	10:53 PM	wes04 8270w 950ml/ml 1:1	WW		2	S
d21d.d	10/21	07:29 PM		WW	IP		
spcc21d.d	10/21	07:59 PM		WW	CV		
lcs-w18d.d	10/21	08:41 PM		WW	MS		
ms-w18d.d	10/21	09:25 PM		WW	MS		
msd-w18d.d	10/21	10:08 PM		WW	MS		
0724423.d	10/21	10:51 PM	obg 8270w 980ml/ml 1:1	WW			
0724424.d	10/21	11:33 PM	obg 8270w 950ml/ml 30:1	WW			
0724425.d	10/22	12:17 AM	obg 8270w 940ml/ml 60:1	WW			
0724423d.d	10/22	01:00 AM	obg 8270w 980ml/ml 1:1	WW	Dp		
0726609.d	10/22	03:52 AM	wes04 8270w 1000ml/ml 1:1	WW		2	S
0726610.d	10/22	04:35 AM	wes04 8270w 500ml/ml 1:1	WW		2	S
0726801.d	10/22	05:19 AM	bocthompson bocsaph 980ml/ml 1:1	WW		2	S
0726802.d	10/22	06:02 AM	bocthompson bocsaph 970ml/ml 1:1	WW			
0726803.d	10/22	06:45 AM	bocthompson bocsaph 920ml/ml 1:1	WW			

Matrix (Mtx) Summary

Water Samples:	18	Soil Samples:	0
Water Duplicates:	2	Soil Duplicates:	0
Water Spikes:	3	Soil Spikes:	0
Water Blanks:	1	Soil Blanks:	0

QC Sample Type Summary

IP: Instrument Performance
CV: Calibration Verification
MS: Matrix Spike/MS Duplicate
Bl: Blank
Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
R: Reanalyze Sample
S: Surrogate Standard Outlier
C: Concentration Beyond Calibration
T: Exceeds Time Limit
X: Other

Notes Summary

1: Raw Data Included (Form 1 + Chromatograms)
2: Surrogate Standard Outliers (Form 2): 6
3: Matrix Spike Outliers (Form 3b): 0
4: CVM Outliers (Form 7b): 0

Batch Comments

Data: 011018

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
spcc18a.d	2-Fluorophenol	49.8/100.0	n/a	5.0/115.0	WW
	2-Fluorobiphenyl	50.6/100.0	n/a	23.0/117.0	
	Nitrobenzene-D5	50.2/100.0	n/a	20.0/113.0	
	Phenol-d5	50.1/100.0	n/a	5.0/145.0	
	2,4,6-Tribromophenol	50.8/100.0	n/a	24.0/132.0	
	Terphenyl-D14	49.8/100.0	n/a	22.0/132.0	
blk-w18d.d	2-Fluorophenol	59.2/100.0	59.2	5.0/115.0	WW
	2-Fluorobiphenyl	54.0/100.0	54.0	23.0/117.0	
	Nitrobenzene-D5	49.7/100.0	49.7	20.0/113.0	
	Phenol-d5	50.0/100.0	50.0	5.0/145.0	
	2,4,6-Tribromophenol	65.4/100.0	65.4	24.0/132.0	
	Terphenyl-D14	61.2/100.0	61.2	22.0/132.0	
0725201.d	2-Fluorophenol	63.6/100.0	63.6	5.0/115.0	WW
	2-Fluorobiphenyl	60.9/100.0	60.9	23.0/117.0	
	Nitrobenzene-D5	54.6/100.0	54.6	20.0/113.0	
	Phenol-d5	61.7/100.0	61.7	5.0/145.0	
	2,4,6-Tribromophenol	81.1/100.0	81.1	24.0/132.0	
	Terphenyl-D14	70.4/100.0	70.4	22.0/132.0	
0725202.d	2-Fluorophenol	0.1/100.0	n/a	5.0/115.0	WW
	2-Fluorobiphenyl	0.5/100.0	n/a	23.0/117.0	
	Nitrobenzene-D5	0.3/100.0	n/a	20.0/113.0	
	Phenol-d5	0.2/100.0	n/a	5.0/145.0	
	2,4,6-Tribromophenol	0.8/100.0	n/a	24.0/132.0	
	Terphenyl-D14	0.6/100.0	n/a	22.0/132.0	
0726601.d	2-Fluorophenol	57.4/100.0	57.4	5.0/115.0	WW
	2-Fluorobiphenyl	56.6/100.0	56.6	23.0/117.0	
	Nitrobenzene-D5	52.9/100.0	52.9	20.0/113.0	
	Phenol-d5	45.1/100.0	45.1	5.0/145.0	
	2,4,6-Tribromophenol	73.7/100.0	73.7	24.0/132.0	
	Terphenyl-D14	62.0/100.0	62.0	22.0/132.0	
0726601d.d	2-Fluorophenol	56.4/100.0	56.4	5.0/115.0	WW
	2-Fluorobiphenyl	57.2/100.0	57.2	23.0/117.0	
	Nitrobenzene-D5	52.0/100.0	52.0	20.0/113.0	
	Phenol-d5	45.0/100.0	45.0	5.0/145.0	
	2,4,6-Tribromophenol	73.6/100.0	73.6	24.0/132.0	
	Terphenyl-D14	61.7/100.0	61.7	22.0/132.0	
0726602.d	2-Fluorophenol	42.4/100.0	42.4	5.0/115.0	WW
	2-Fluorobiphenyl	43.7/100.0	43.7	23.0/117.0	
	Nitrobenzene-D5	39.5/100.0	39.5	20.0/113.0	
	Phenol-d5	34.4/100.0	34.4	5.0/145.0	
	2,4,6-Tribromophenol	56.5/100.0	56.5	24.0/132.0	
	Terphenyl-D14	48.1/100.0	48.1	22.0/132.0	
0726603.d	2-Fluorophenol	48.4/100.0	48.4	5.0/115.0	WW
	2-Fluorobiphenyl	53.3/100.0	53.3	23.0/117.0	
	Nitrobenzene-D5	46.7/100.0	46.7	20.0/113.0	
	Phenol-d5	40.7/100.0	40.7	5.0/145.0	
	2,4,6-Tribromophenol	69.4/100.0	69.4	24.0/132.0	
	Terphenyl-D14	58.6/100.0	58.6	22.0/132.0	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0726604.d	2-Fluorophenol	49.1/100.0	49.1	5.0/115.0	WW
	2-Fluorobiphenyl	49.0/100.0	49.0	23.0/117.0	
	Nitrobenzene-D5	44.0/100.0	44.0	20.0/113.0	
	Phenol-d5	40.5/100.0	40.5	5.0/145.0	
	2,4,6-Tribromophenol	66.3/100.0	66.3	24.0/132.0	
	Terphenyl-D14	58.7/100.0	58.7	22.0/132.0	
0726605.d	2-Fluorophenol	19.5/100.0	19.5	5.0/115.0	WW
	2-Fluorobiphenyl	21.4/100.0	21.4 *	23.0/117.0	
	Nitrobenzene-D5	17.5/100.0	17.5 *	20.0/113.0	
	Phenol-d5	17.0/100.0	17.0	5.0/145.0	
	2,4,6-Tribromophenol	29.6/100.0	29.6	24.0/132.0	
	Terphenyl-D14	28.6/100.0	28.6	22.0/132.0	
0726606.d	2-Fluorophenol	18.3/100.0	18.3	5.0/115.0	WW
	2-Fluorobiphenyl	13.4/100.0	13.4 *	23.0/117.0	
	Nitrobenzene-D5	11.8/100.0	11.8 *	20.0/113.0	
	Phenol-d5	16.9/100.0	16.9	5.0/145.0	
	2,4,6-Tribromophenol	21.6/100.0	21.6 *	24.0/132.0	
	Terphenyl-D14	22.1/100.0	22.1	22.0/132.0	
0726607.d	2-Fluorophenol	31.6/100.0	31.6	5.0/115.0	WW
	2-Fluorobiphenyl	27.5/100.0	27.5	23.0/117.0	
	Nitrobenzene-D5	22.2/100.0	22.2	20.0/113.0	
	Phenol-d5	28.6/100.0	28.6	5.0/145.0	
	2,4,6-Tribromophenol	42.5/100.0	42.5	24.0/132.0	
	Terphenyl-D14	43.2/100.0	43.2	22.0/132.0	
0726608.d	2-Fluorophenol	23.4/100.0	23.4	5.0/115.0	WW
	2-Fluorobiphenyl	19.0/100.0	19.0 *	23.0/117.0	
	Nitrobenzene-D5	14.1/100.0	14.1 *	20.0/113.0	
	Phenol-d5	21.7/100.0	21.7	5.0/145.0	
	2,4,6-Tribromophenol	31.7/100.0	31.7	24.0/132.0	
	Terphenyl-D14	28.6/100.0	28.6	22.0/132.0	
spcc21d.d	2-Fluorophenol	51.8/100.0	n/a	5.0/115.0	WW
	2-Fluorobiphenyl	51.1/100.0	n/a	23.0/117.0	
	Nitrobenzene-D5	50.4/100.0	n/a	20.0/113.0	
	Phenol-d5	51.3/100.0	n/a	5.0/145.0	
	2,4,6-Tribromophenol	51.8/100.0	n/a	24.0/132.0	
	Terphenyl-D14	50.2/100.0	n/a	22.0/132.0	
lcs-w18d.d	2-Fluorophenol	48.8/100.0	48.8	5.0/115.0	WW
	2-Fluorobiphenyl	47.3/100.0	47.3	23.0/117.0	
	Nitrobenzene-D5	45.5/100.0	45.5	20.0/113.0	
	Phenol-d5	38.2/100.0	38.2	5.0/145.0	
	2,4,6-Tribromophenol	57.6/100.0	57.6	24.0/132.0	
	Terphenyl-D14	48.1/100.0	48.1	22.0/132.0	
ms-w18d.d	2-Fluorophenol	48.6/100.0	48.6	5.0/115.0	WW
	2-Fluorobiphenyl	44.2/100.0	44.2	23.0/117.0	
	Nitrobenzene-D5	44.6/100.0	44.6	20.0/113.0	
	Phenol-d5	38.7/100.0	38.7	5.0/145.0	
	2,4,6-Tribromophenol	55.9/100.0	55.9	24.0/132.0	
	Terphenyl-D14	47.2/100.0	47.2	22.0/132.0	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
msd-w18d.d	2-Fluorophenol	50.3/100.0	50.3	5.0/115.0	WW
	2-Fluorobiphenyl	48.9/100.0	48.9	23.0/117.0	
	Nitrobenzene-D5	49.4/100.0	49.4	20.0/113.0	
	Phenol-d5	39.2/100.0	39.2	5.0/145.0	
	2,4,6-Tribromophenol	60.8/100.0	60.8	24.0/132.0	
	Terphenyl-D14	50.0/100.0	50.0	22.0/132.0	
0724423.d	2-Fluorophenol	47.7/100.0	47.7	5.0/115.0	WW
	2-Fluorobiphenyl	45.3/100.0	45.3	23.0/117.0	
	Nitrobenzene-D5	43.4/100.0	43.4	20.0/113.0	
	Phenol-d5	38.5/100.0	38.5	5.0/145.0	
	2,4,6-Tribromophenol	56.2/100.0	56.2	24.0/132.0	
	Terphenyl-D14	48.4/100.0	48.4	22.0/132.0	
0724424.d	2-Fluorophenol	0.1/100.0	n/a	5.0/115.0	WW
	2-Fluorobiphenyl	0.8/100.0	n/a	23.0/117.0	
	Nitrobenzene-D5	0.6/100.0	n/a	20.0/113.0	
	Phenol-d5	0.4/100.0	n/a	5.0/145.0	
	2,4,6-Tribromophenol	0.7/100.0	n/a	24.0/132.0	
	Terphenyl-D14	0.9/100.0	n/a	22.0/132.0	
0724425.d	2-Fluorophenol	0.3/100.0	n/a	5.0/115.0	WW
	2-Fluorobiphenyl	0.9/100.0	n/a	23.0/117.0	
	Nitrobenzene-D5	0.6/100.0	n/a	20.0/113.0	
	Phenol-d5	0.4/100.0	n/a	5.0/145.0	
	2,4,6-Tribromophenol	0.6/100.0	n/a	24.0/132.0	
	Terphenyl-D14	0.9/100.0	n/a	22.0/132.0	
0724423d.d	2-Fluorophenol	47.1/100.0	47.1	5.0/115.0	WW
	2-Fluorobiphenyl	45.3/100.0	45.3	23.0/117.0	
	Nitrobenzene-D5	42.5/100.0	42.5	20.0/113.0	
	Phenol-d5	38.3/100.0	38.3	5.0/145.0	
	2,4,6-Tribromophenol	56.2/100.0	56.2	24.0/132.0	
	Terphenyl-D14	48.3/100.0	48.3	22.0/132.0	
0726609.d	2-Fluorophenol	0.1/100.0	0.1 *	5.0/115.0	WW
	2-Fluorobiphenyl	0.3/100.0	0.3 *	23.0/117.0	
	Nitrobenzene-D5	0.3/100.0	0.3 *	20.0/113.0	
	Phenol-d5	0.1/100.0	0.1 *	5.0/145.0	
	2,4,6-Tribromophenol	0.2/100.0	0.2 *	24.0/132.0	
	Terphenyl-D14	0.0/100.0	0.0 *	22.0/132.0	
0726610.d	2-Fluorobiphenyl	0.1/100.0	0.1 *	23.0/117.0	WW
0726801.d	2-Fluorophenol	6.4/100.0	6.4	5.0/115.0	WW
	2-Fluorobiphenyl	2.4/100.0	2.4 *	23.0/117.0	
	Nitrobenzene-D5	1.8/100.0	1.8 *	20.0/113.0	
	Phenol-d5	8.9/100.0	8.9	5.0/145.0	
	2,4,6-Tribromophenol	35.1/100.0	35.1	24.0/132.0	
	Terphenyl-D14	40.8/100.0	40.8	22.0/132.0	
0726802.d	2-Fluorophenol	42.7/100.0	42.7	5.0/115.0	WW
	2-Fluorobiphenyl	43.0/100.0	43.0	23.0/117.0	
	Nitrobenzene-D5	42.5/100.0	42.5	20.0/113.0	
	Phenol-d5	33.8/100.0	33.8	5.0/145.0	
	2,4,6-Tribromophenol	55.6/100.0	55.6	24.0/132.0	
	Terphenyl-D14	47.6/100.0	47.6	22.0/132.0	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0726803.d	2-Fluorophenol	45.2/100.0	45.2	5.0/115.0	WW
	2-Fluorobiphenyl	45.3/100.0	45.3	23.0/117.0	
	Nitrobenzene-D5	43.5/100.0	43.5	20.0/113.0	
	Phenol-d5	38.2/100.0	38.2	5.0/145.0	
	2,4,6-Tribromophenol	61.7/100.0	61.7	24.0/132.0	
	Terphenyl-D14	49.9/100.0	49.9	22.0/132.0	

NOTES

*: Surrogate recovery outside of laboratory-established control limits

n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 3a: Duplicate/Matrix Spike Duplicate Summary

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

File Name	Sample Name	Target Compound	Dup/Samp Conc.	%RPD	Matrix
0726601d.d	0726601.d	[end of compound list]			WW
0724423d.d	0724423.d	[end of compound list]			WW

Form 3b: Matrix Spike Summary

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

File Name	Sample Name	Target Compound	MS/Samp	Conc.	%Rec	LCL/UCL	Mat.
lcs-w18d.d	**blk-w18d.d**	1,2,4-Trichlorobenzene	27.33/	0.00	54.7	15.0/107.0	WW
		1,4-Dichlorobenzene	28.74/	0.00	57.5	11.0/108.0	
		2,4-Dinitrotoluene	29.82/	0.00	59.6	23.0/120.0	
		2-Chlorophenol	37.81/	0.00	75.6	10.0/111.0	
		4-Chloro-3-methylphenol	36.88/	0.00	73.8	17.0/115.0	
		4-Nitrophenol	29.22/	0.00	58.4	5.0/148.0	
		Acenaphthene	29.76/	0.00	59.5	26.0/112.0	
		N-Nitrosodi-n-propylamine	34.88/	0.00	69.8	14.0/129.0	
		Pentachlorophenol	30.75/	0.00	61.5	14.0/102.0	
		Phenol	27.50/	0.00	55.0	5.0/124.0	
		Pyrene	33.98/	0.00	68.0	27.0/121.0	
ms-w18d.d	**blk-w18d.d**	1,2,4-Trichlorobenzene	25.64/	0.00	51.3	15.0/107.0	WW
		1,4-Dichlorobenzene	27.91/	0.00	55.8	11.0/108.0	
		2,4-Dinitrotoluene	27.70/	0.00	55.4	23.0/120.0	
		2-Chlorophenol	36.44/	0.00	72.9	10.0/111.0	
		4-Chloro-3-methylphenol	35.16/	0.00	70.3	17.0/115.0	
		4-Nitrophenol	26.22/	0.00	52.4	5.0/148.0	
		Acenaphthene	28.62/	0.00	57.2	26.0/112.0	
		N-Nitrosodi-n-propylamine	33.49/	0.00	67.0	14.0/129.0	
		Pentachlorophenol	28.70/	0.00	57.4	14.0/102.0	
		Phenol	27.55/	0.00	55.1	5.0/124.0	
		Pyrene	33.78/	0.00	67.6	27.0/121.0	
msd-w18d.d	**blk-w18d.d**	1,2,4-Trichlorobenzene	29.18/	0.00	58.4	15.0/107.0	WW
		1,4-Dichlorobenzene	30.32/	0.00	60.6	11.0/108.0	
		2,4-Dinitrotoluene	30.80/	0.00	61.6	23.0/120.0	
		2-Chlorophenol	39.42/	0.00	78.8	10.0/111.0	
		4-Chloro-3-methylphenol	39.08/	0.00	78.2	17.0/115.0	
		4-Nitrophenol	28.10/	0.00	56.2	5.0/148.0	
		Acenaphthene	32.20/	0.00	64.4	26.0/112.0	
		N-Nitrosodi-n-propylamine	38.43/	0.00	76.9	14.0/129.0	
		Pentachlorophenol	30.99/	0.00	62.0	14.0/102.0	
		Phenol	28.26/	0.00	56.5	5.0/124.0	
		Pyrene	36.47/	0.00	72.9	27.0/121.0	

NOTES
*: LCS/Matrix Spike recovery outside of laboratory-established control limits

Form 4: Method Blank Summary

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	*Run Time*	*Target Compound*	*Conc.*	*Matrix*
blk-w18d.d	10/18 12:51 PM	[end of compound list]	0.00	WW

Form 5: Instrument Performance Check (BFB/DFTPP)

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	Run Time	Tgt. Mass	Rel. Mass	LCL(%)	UCL(%)	Rel.Abn.	Raw Abn.	Result
d18a.d	10/18 10:58 AM	51	198	30.0	60.0	49.7	89368	PASS
		68	69	0.0	2.0	0.0	0	PASS
		69	198	0.0	100.0	60.2	108208	PASS
		70	69	0.0	2.0	1.3	1438	PASS
		127	198	40.0	60.0	51.5	92584	PASS
		197	198	0.0	1.0	0.0	0	PASS
		198	198	100.0	100.0	100.0	179776	PASS
		199	198	5.0	9.0	6.2	11225	PASS
		275	198	10.0	30.0	21.6	38896	PASS
		365	198	1.0	100.0	2.9	5161	PASS
		441	443	0.0	100.0	72.9	19560	PASS
		442	198	40.0	100.0	76.5	137600	PASS
		443	442	17.0	23.0	19.5	26824	PASS
d21d.d	10/21 07:29 PM	51	198	30.0	60.0	46.3	94912	PASS
		68	69	0.0	2.0	0.0	0	PASS
		69	198	0.0	100.0	53.6	109968	PASS
		70	69	0.0	2.0	0.0	0	PASS
		127	198	40.0	60.0	45.5	93264	PASS
		197	198	0.0	1.0	0.0	0	PASS
		198	198	100.0	100.0	100.0	205056	PASS
		199	198	5.0	9.0	6.7	13729	PASS
		275	198	10.0	30.0	19.7	40488	PASS
		365	198	1.0	100.0	2.2	4587	PASS
		441	443	0.0	100.0	72.0	15451	PASS
		442	198	40.0	100.0	54.1	110896	PASS
		443	442	17.0	23.0	19.3	21456	PASS

Note: See Form 0 (Injection Log) for 12-hour time increments and associated samples

Form 6: Initial Calibration Data

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	Compound	Fit	<RF>	%RSD	RF(1)	RF(2)	RF(3)	RF(4)	RF(5)	RF(6)	COD	k(0)	k(1)	k(2)
bx011021.m	1,4-DICHLOROBENZENE-D4	I			10.00	20.00	35.00	50.00	65.00	100.0				
	Pyridine	A	1.565	1.78	1.543	1.580	1.613	1.540	1.550	1.563				
	N-Nitrosodimethylamine	A	0.719	3.21	0.685	0.728	0.744	0.697	0.724	0.736				
	2-Picoline	A	1.177	3.24	1.117	1.152	1.212	1.174	1.188	1.218				
	Methyl methanesulfonate	A	0.804	2.46	0.772	0.796	0.822	0.796	0.810	0.825				
	2-Fluorophenol	A	1.107	4.33	1.028	1.097	1.154	1.087	1.122	1.155				
	Ethyl methanesulfonate	A	1.154	2.48	1.119	1.157	1.193	1.128	1.148	1.179				
	Phenol-d5	A	1.517	2.44	1.476	1.520	1.583	1.519	1.515	1.489				
	Phenol **	A	1.239	3.11	1.219	1.263	1.301	1.232	1.232	1.189				
	Aniline	A	1.467	7.15	1.283	1.406	1.536	1.504	1.510	1.564				
	2-Chlorophenol **	A	0.979	2.32	0.948	0.974	1.015	0.971	0.973	0.993				
	Bis(2-chloroethyl)ether	A	1.117	4.48	1.063	1.194	1.161	1.099	1.101	1.083				
	1,3-Dichlorobenzene	A	1.080	1.56	1.082	1.091	1.107	1.071	1.066	1.063				
	1,4-Dichlorobenzene **	A	1.059	2.10	1.059	1.063	1.096	1.065	1.036	1.036				
	1,2-Dichlorobenzene	A	1.015	3.34	1.004	1.035	1.059	1.038	0.981	0.975				
	Bis(2-chloroisopropyl)ether	A	1.991	4.06	2.011	2.055	2.102	1.967	1.920	1.890				
	Benzyl Alcohol	A	0.614	4.90	0.562	0.601	0.649	0.619	0.621	0.633				
	Acetophenone	A	1.512	2.65	1.464	1.511	1.585	1.495	1.503	1.511				
	o-Cresol	A	0.877	2.39	0.866	0.881	0.917	0.872	0.858	0.868				
	p,m-Cresol	A	1.096	3.70	1.062	1.105	1.153	1.118	1.097	1.039				
	Hexachloroethane	A	0.431	2.94	0.445	0.437	0.442	0.426	0.411	0.426				
	N-Nitrosodi-n-propylamine**	A	0.724	6.38	0.748	0.769	0.769	0.715	0.681	0.660				
	NAPHTHALENE-D8	I			10.00	20.00	35.00	50.00	65.00	100.0				
	Nitrobenzene-d5	A	0.403	3.53	0.405	0.417	0.421	0.395	0.393	0.385				
	Nitrobenzene	A	0.312	5.86	0.322	0.329	0.332	0.304	0.300	0.286				
	N-Nitrosopiperidine	A	0.159	3.38	0.157	0.167	0.164	0.155	0.159	0.153				
	Isophorone	A	0.580	3.31	0.586	0.603	0.601	0.563	0.564	0.563				
	2-Nitrophenol	A	0.173	3.01	0.166	0.176	0.181	0.171	0.172	0.170				
	2,4-Dimethylphenol	A	0.280	4.54	0.283	0.295	0.291	0.278	0.273	0.260				
	Bis(2-chloroethoxy)methane	A	0.397	5.05	0.402	0.418	0.420	0.391	0.385	0.368				
	2,4-Dichlorophenol	A	0.247	3.25	0.243	0.253	0.256	0.251	0.245	0.234				
	1,2,4-Trichlorobenzene **	A	0.266	3.10	0.265	0.275	0.275	0.269	0.259	0.255				
	Benzoic Acid	A	0.073	36.2			0.042	0.061	0.087	0.101				
	Naphthalene	A	0.781	9.25	0.839	0.846	0.826	0.778	0.733	0.662				
	4-Chloroaniline	A	0.307	7.86	0.277	0.327	0.333	0.321	0.304	0.280				
	2,6-Dichlorophenol	A	0.240	6.91	0.240	0.259	0.256	0.239	0.231	0.214				
	Hexachlorobutadiene	A	0.134	5.95	0.138	0.140	0.140	0.137	0.129	0.120				
	N-Nitroso-di-n-butylamine	A	0.210	2.88	0.208	0.216	0.217	0.208	0.207	0.201				
	4-Chloro-3-methylphenol **	A	0.242	4.32	0.238	0.252	0.256	0.241	0.239	0.227				
	2-Methylnaphthalene	A	0.424	7.70	0.444	0.456	0.448	0.425	0.401	0.371				
	ACENAPHTHALENE-D10	I			10.00	20.00	35.00	50.00	65.00	100.0				
	1,2,4,5-Tetrachlorobenzene	A	0.492	5.12	0.489	0.507	0.523	0.502	0.478	0.451				
	Hexachlorocyclopentadiene	A	0.098	32.2	0.044	0.078	0.107	0.109	0.124	0.126				
	2,4,6-Trichlorophenol	A	0.334	5.14	0.308	0.333	0.360	0.338	0.339	0.325				
	2,4,5-Trichlorophenol	A	0.355	4.62	0.340	0.347	0.380	0.364	0.363	0.338				
	2-Fluorobiphenyl	A	1.364	8.50	1.415	1.469	1.471	1.374	1.280	1.177				
	1-Chloronaphthalene	A	1.054	4.45	1.040	1.071	1.123	1.066	1.043	0.980				
	2-Chloronaphthalene	A	1.002	6.49	1.040	1.044	1.069	1.005	0.960	0.894				
	2-Nitroaniline	A	0.416	4.32	0.388	0.417	0.442	0.421	0.421	0.406				
	Acenaphthylene	QO	1.228	11.5	1.350	1.361	1.321	1.200	1.121	1.014	1.00	0.00	1.409	-0.16
	Dimethyl Phthalate	A	1.223	7.39	1.284	1.307	1.303	1.200	1.153	1.088				
	2,6-Dinitrotoluene	A	0.312	4.33	0.296	0.316	0.335	0.309	0.314	0.302				
	3-Nitroaniline	A	0.246	18.4	0.177	0.209	0.250	0.258	0.292	0.289				
	Acenaphthene **	A	0.919	8.67	0.957	0.988	0.996	0.916	0.872	0.787				
	2,4-Dinitrophenol	A	0.151	29.1	0.075	0.126	0.166	0.161	0.184	0.194				
	Dibenzofuran	A	1.425	6.93	1.446	1.495	1.532	1.447	1.371	1.256				
	4-Nitrophenol **	A	0.195	9.37	0.161	0.192	0.208	0.207	0.208	0.191				
	2,4-Dinitrotoluene **	A	0.400	7.49	0.384	0.420	0.441	0.408	0.388	0.356				
	1-Naphthylamine	A	0.346	45.0	0.231	0.159	0.247	0.402	0.513	0.525				
	2-Naphthylamine	A	0.233	77.7			0.033	0.143	0.314	0.442				
	2,3,4,6-Tetrachlorophenol	A	0.264	5.25	0.241	0.263	0.282	0.273	0.265	0.259				
	Fluorene	A	1.116	7.29	1.156	1.178	1.194	1.121	1.069	0.977				

Form 6: Initial Calibration Data

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	Compound	Fit	<RF>	%RSD	RF(1)	RF(2)	RF(3)	RF(4)	RF(5)	RF(6)	COD	k(0)	k(1)	k(2)
bx011021.m	Diethyl phthalate	A	1.194	14.8	1.317	1.338	1.345	1.190	1.062	0.913				
	4-Chlorophenyl phenyl ether	A	0.500	11.5	0.522	0.543	0.560	0.505	0.462	0.405				
	4-Nitroaniline	A	0.259	10.9	0.202	0.270	0.268	0.277	0.267	0.270				
	2,4,6-Tribromophenol	A	0.188	5.71	0.172	0.190	0.203	0.193	0.189	0.180				
	PHENANTHRENE-D10	I			10.00	20.00	35.00	50.00	65.00	100.0				
	4,6-Dinitro-2-methylphenol	A	0.161	13.0	0.124	0.150	0.170	0.171	0.182	0.170				
	N-Nitrosodiphenylamine	QO	1.040	12.1	1.141	1.144	1.117	1.051	0.956	0.829	1.00	0.00	1.243	-0.17
	1,2-Diphenylhydrazine	A	0.208	4.88	0.209	0.212	0.217	0.212	0.207	0.188				
	Azobenzene	A	0.208	4.88	0.209	0.212	0.217	0.212	0.207	0.188				
	4-Bromophenyl phenyl ether	A	0.199	3.00	0.191	0.192	0.201	0.198	0.205	0.204				
	1,3,5-Trinitrobenzene	A	0.096	14.9	0.077	0.086	0.095	0.096	0.107	0.117				
	Phenacetin	A	0.415	6.20	0.376	0.398	0.414	0.416	0.435	0.448				
	Hexachlorobenzene	A	0.234	1.88	0.226	0.235	0.236	0.239	0.234	0.236				
	4-Aminobiphenyl	A	0.258	34.7	0.183	0.163	0.210	0.303	0.291	0.400				
	Pentachlorophenol **	QO	0.138	15.6	0.104	0.120	0.140	0.148	0.152	0.161	1.00	0.00	0.128	0.01
	Pronamide	A	0.333	3.16	0.336	0.339	0.341	0.340	0.327	0.314				
	Pentachloronitrobenzene	A	0.080	3.71	0.076	0.078	0.082	0.084	0.079	0.078				
	Phenanthrene	A	1.026	2.19	1.016	1.028	1.063	1.031	1.023	0.994				
	Anthracene	A	1.024	2.36	1.009	1.018	1.064	1.032	1.030	0.993				
	di-N-butyl phthalate	A	1.396	3.13	1.387	1.422	1.449	1.423	1.366	1.330				
	Fluoranthene	A	1.059	2.15	1.025	1.040	1.083	1.079	1.069	1.057				
	Terphenyl-d14	A	0.829	2.69	0.826	0.849	0.854	0.834	0.821	0.792				
	CHRYSENE-D12	I			10.00	20.00	35.00	50.00	65.00	100.0				
	Benzidine	A	0.241	33.5	0.140	0.204	0.291	0.168	0.331	0.313				
	Pyrene **	A	1.186	2.93	1.176	1.198	1.222	1.209	1.187	1.123				
	p-Dimethylaminoazobenzene	A	0.242	3.61	0.228	0.242	0.250	0.250	0.245	0.235				
	Butyl benzyl phthalate	A	0.694	4.68	0.671	0.700	0.735	0.714	0.699	0.643				
	TCDD	A												
	Benzo(a)anthracene	A	1.008	4.25	0.955	1.023	1.064	1.026	1.021	0.958				
	3,3'-Dichlorobenzidine	A	0.316	6.12	0.283	0.306	0.337	0.324	0.329	0.319				
	Chrysene	A	0.957	4.27	0.961	0.972	1.006	0.974	0.947	0.884				
	Bis(2-ethylhexyl)phthalate	A	0.949	7.19	0.926	0.997	1.023	0.983	0.930	0.833				
	Di-n-octyl phthalate	QO	1.661	6.80	1.552	1.697	1.795	1.757	1.655	1.508	1.00	0.00	1.914	-0.16
	PERYLENE-D12	I			10.00	20.00	35.00	50.00	65.00	100.0				
	Benzo(b)fluoranthene	A	1.218	7.80	1.164	1.310	1.316	1.263	1.178	1.075				
	7,12-Dimethylbenz(a)anthracene	A	0.536	7.19	0.548	0.565	0.576	0.541	0.512	0.471				
	Benzo(k)fluoranthene	A	1.242	7.79	1.319	1.295	1.317	1.263	1.181	1.074				
	Benzo(a)pyrene	A	1.147	3.49	1.117	1.176	1.192	1.172	1.136	1.088				
	3-Methylcholanthrene	A	0.555	4.48	0.528	0.565	0.590	0.567	0.557	0.525				
	Dibenz(a,j)acridine	A	0.736	8.25	0.626	0.724	0.793	0.781	0.764	0.726				
	Indeno(1,2,3-cd)pyrene	A	1.046	6.42	0.951	1.074	1.113	1.103	1.057	0.976				
	Dibenzo(a,h)anthracene	A	0.862	7.38	0.788	0.874	0.932	0.920	0.872	0.783				
	Benzo(ghi)perylene	A	0.847	6.69	0.784	0.867	0.916	0.884	0.855	0.773				

NOTES:

Average RF Fit : A* = <RF>C*
Other Curve Fit: A* = k(0) + k(1)C* + k(2)(C*)^2

Notation: A*=As/Ai (normalized peak area/height)
C*=Cs/Ci (normalized concentration)

Calibration (1): bx011021.M (Mean %RSD: 8.11)

Form 7a: System Performance Compounds Check

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	*Run Time*	*SPCC Compound*	*SPCC RF*	*RF LCL*
spcc18a.d	10/18 11:41 AM	2,4-Dinitrophenol	0.117	0.05
		4-Nitrophenol	0.226	0.05
		Hexachlorocyclopentadiene	0.088	0.05
		N-Nitrosodi-n-propylamine	0.966	0.05
spcc21d.d	10/21 07:59 PM	2,4-Dinitrophenol	0.174	0.05
		4-Nitrophenol	0.210	0.05
		Hexachlorocyclopentadiene	0.105	0.05
		N-Nitrosodi-n-propylamine	0.737	0.05

NOTES
*: Performance compound RF below method-established control limit

Form 7b: Calibration Check Compounds

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	Run Time	CCC Compound	CCC Conc.	CCC %D/UCL
spcc18a.d	10/18 11:41 AM	Phenol	50.3/ 50.0	0.5/ 20.0
		1,4-Dichlorobenzene	51.4/ 50.0	2.8/ 20.0
		2-Nitrophenol	50.6/ 50.0	1.3/ 20.0
		2,4-Dichlorophenol	50.4/ 50.0	0.8/ 20.0
		Hexachlorobutadiene	50.4/ 50.0	0.7/ 20.0
		4-Chloro-3-methylphenol	50.5/ 50.0	1.0/ 20.0
		2,4,6-Trichlorophenol	51.2/ 50.0	2.5/ 20.0
		Acenaphthene	50.3/ 50.0	0.6/ 20.0
		N-Nitrosodiphenylamine	48.3/ 50.0	3.5/ 20.0
		Pentachlorophenol	48.6/ 50.0	2.9/ 20.0
		Fluoranthene	48.9/ 50.0	2.2/ 20.0
		Di-n-octyl phthalate	58.1/ 50.0	16.1/ 20.0
		Benzo(a)pyrene	50.7/ 50.0	1.5/ 20.0
spcc21d.d	10/21 07:59 PM	Phenol	50.8/ 50.0	1.6/ 20.0
		1,4-Dichlorobenzene	50.9/ 50.0	1.8/ 20.0
		2-Nitrophenol	49.6/ 50.0	0.8/ 20.0
		2,4-Dichlorophenol	51.1/ 50.0	2.2/ 20.0
		Hexachlorobutadiene	50.8/ 50.0	1.5/ 20.0
		4-Chloro-3-methylphenol	51.6/ 50.0	3.2/ 20.0
		2,4,6-Trichlorophenol	52.0/ 50.0	4.1/ 20.0
		Acenaphthene	50.2/ 50.0	0.4/ 20.0
		N-Nitrosodiphenylamine	51.9/ 50.0	3.7/ 20.0
		Pentachlorophenol	50.3/ 50.0	0.5/ 20.0
		Fluoranthene	49.8/ 50.0	0.5/ 20.0
		Di-n-octyl phthalate	51.8/ 50.0	3.7/ 20.0
		Benzo(a)pyrene	50.4/ 50.0	0.8/ 20.0

NOTES

*: Calibration check drift outside of method-established control limits

Form 8: Internal Standard Area and Retention Time Summary

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
spcc18a.d	10/18 11:41 AM	1,4-Dichlorobenzene-D4	1095290/ 9.43	1.000/ 0.00
		Naphthalene-D8	4269457/12.42	1.000/ 0.00
		Acenaphthalene-D10	2086726/16.59	1.000/ 0.00
		Phenanthrene-D10	2989246/20.06	1.000/ 0.00
		Chrysene-D12	2178502/26.34	1.000/ 0.00
		Perylene-D12	1565225/29.48	1.000/ 0.00
blk-w18d.d	10/18 12:51 PM	1,4-Dichlorobenzene-D4	960691/ 9.43	0.877/ 0.00
		Naphthalene-D8	3801933/12.41	0.890/-0.01
		Acenaphthalene-D10	1878487/16.59	0.900/ 0.00
		Phenanthrene-D10	2654662/20.04	0.888/-0.02
		Chrysene-D12	1838338/26.32	0.844/-0.02
		Perylene-D12	1336978/29.46	0.854/-0.02
0725201.d	10/18 03:42 PM	1,4-Dichlorobenzene-D4	1451404/ 9.44	1.325/ 0.01
		Naphthalene-D8	5706631/12.42	1.337/ 0.00
		Acenaphthalene-D10	2786906/16.61	1.336/ 0.02
		Phenanthrene-D10	4046587/20.07	1.354/ 0.01
		Chrysene-D12	2996814/26.38	1.376/ 0.04
		Perylene-D12	2027890/29.50	1.296/ 0.02
0725202.d	10/18 04:25 PM	1,4-Dichlorobenzene-D4	1018630/ 9.43	0.930/ 0.00
		Naphthalene-D8	4029416/12.41	0.944/-0.01
		Acenaphthalene-D10	2027010/16.60	0.971/ 0.01
		Phenanthrene-D10	2868400/20.05	0.960/-0.01
		Chrysene-D12	2035118/26.34	0.934/ 0.00
		Perylene-D12	1435565/29.47	0.917/-0.01
0726601.d	10/18 05:08 PM	1,4-Dichlorobenzene-D4	1018140/ 9.43	0.930/ 0.00
		Naphthalene-D8	4077223/12.42	0.955/ 0.00
		Acenaphthalene-D10	2019970/16.60	0.968/ 0.01
		Phenanthrene-D10	2898813/20.05	0.970/-0.01
		Chrysene-D12	2021988/26.33	0.928/-0.01
		Perylene-D12	1382986/29.47	0.884/-0.01
0726601d.d	10/18 05:51 PM	1,4-Dichlorobenzene-D4	1039873/ 9.43	0.949/ 0.00
		Naphthalene-D8	4151276/12.42	0.972/ 0.00
		Acenaphthalene-D10	2036090/16.60	0.976/ 0.01
		Phenanthrene-D10	2950816/20.05	0.987/-0.01
		Chrysene-D12	2040721/26.34	0.937/ 0.00
		Perylene-D12	1423425/29.46	0.909/-0.02
0726602.d	10/18 06:35 PM	1,4-Dichlorobenzene-D4	1026872/ 9.44	0.938/ 0.01
		Naphthalene-D8	4082363/12.42	0.956/ 0.00
		Acenaphthalene-D10	2022365/16.60	0.969/ 0.01
		Phenanthrene-D10	2883897/20.06	0.965/ 0.00
		Chrysene-D12	1997873/26.34	0.917/ 0.00
		Perylene-D12	1382751/29.47	0.883/-0.01
0726603.d	10/18 07:18 PM	1,4-Dichlorobenzene-D4	905033/ 9.44	0.826/ 0.01
		Naphthalene-D8	3494136/12.42	0.818/ 0.00
		Acenaphthalene-D10	1774033/16.61	0.850/ 0.02
		Phenanthrene-D10	2520331/20.06	0.843/ 0.00
		Chrysene-D12	1702949/26.34	0.782/ 0.00
		Perylene-D12	1123426/29.47	0.718/-0.01
0726604.d	10/18 08:01 PM	1,4-Dichlorobenzene-D4	962195/ 9.44	0.878/ 0.01
		Naphthalene-D8	3775091/12.42	0.884/ 0.00
		Acenaphthalene-D10	1866232/16.60	0.894/ 0.01
		Phenanthrene-D10	2701309/20.05	0.904/-0.01
		Chrysene-D12	1866810/26.33	0.857/-0.01
		Perylene-D12	1264958/29.47	0.808/-0.01
0726605.d	10/18 08:44 PM	1,4-Dichlorobenzene-D4	974988/ 9.44	0.890/ 0.01
		Naphthalene-D8	3866918/12.42	0.906/ 0.00
		Acenaphthalene-D10	1907231/16.60	0.914/ 0.01
		Phenanthrene-D10	2691030/20.05	0.900/-0.01
		Chrysene-D12	1895503/26.33	0.870/-0.01
		Perylene-D12	1269582/29.46	0.811/-0.02

Form 8: Internal Standard Area and Retention Time Summary

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0726606.d	10/18 09:27 PM	1,4-Dichlorobenzene-D4	965173/ 9.44	0.881/ 0.01
		Naphthalene-D8	3785825/12.42	0.887/ 0.00
		Acenaphthalene-D10	1881384/16.60	0.902/ 0.01
		Phenanthrene-D10	2682251/20.05	0.897/-0.01
		Chrysene-D12	1838635/26.33	0.844/-0.01
		Perylene-D12	1225031/29.47	0.783/-0.01
0726607.d	10/18 10:10 PM	1,4-Dichlorobenzene-D4	975294/ 9.44	0.890/ 0.01
		Naphthalene-D8	3890228/12.42	0.911/ 0.00
		Acenaphthalene-D10	1915344/16.60	0.918/ 0.01
		Phenanthrene-D10	2721671/20.05	0.910/-0.01
		Chrysene-D12	1893365/26.33	0.869/-0.01
		Perylene-D12	1269158/29.46	0.811/-0.02
0726608.d	10/18 10:53 PM	1,4-Dichlorobenzene-D4	1000681/ 9.44	0.914/ 0.01
		Naphthalene-D8	3994110/12.42	0.936/ 0.00
		Acenaphthalene-D10	1997553/16.61	0.957/ 0.02
		Phenanthrene-D10	2863660/20.06	0.958/ 0.00
		Chrysene-D12	2020147/26.34	0.927/ 0.00
		Perylene-D12	1355116/29.47	0.866/-0.01
spcc21d.d	10/21 07:59 PM	1,4-Dichlorobenzene-D4	911662/ 9.43	1.000/ 0.00
		Naphthalene-D8	3335543/12.42	1.000/ 0.00
		Acenaphthalene-D10	1667989/16.60	1.000/ 0.00
		Phenanthrene-D10	2593473/20.06	1.000/ 0.00
		Chrysene-D12	2066342/26.34	1.000/ 0.00
		Perylene-D12	1694737/29.48	1.000/ 0.00
lcs-w18d.d	10/21 08:41 PM	1,4-Dichlorobenzene-D4	911824/ 9.43	1.000/ 0.00
		Naphthalene-D8	3160850/12.41	0.948/-0.01
		Acenaphthalene-D10	1628874/16.59	0.977/-0.01
		Phenanthrene-D10	2627250/20.05	1.013/-0.01
		Chrysene-D12	2061440/26.32	0.998/-0.02
		Perylene-D12	1510214/29.46	0.891/-0.02
ms-w18d.d	10/21 09:25 PM	1,4-Dichlorobenzene-D4	884007/ 9.42	0.970/-0.01
		Naphthalene-D8	3086101/12.41	0.925/-0.01
		Acenaphthalene-D10	1589815/16.59	0.953/-0.01
		Phenanthrene-D10	2490391/20.04	0.960/-0.02
		Chrysene-D12	1929133/26.33	0.934/-0.01
		Perylene-D12	1432419/29.46	0.845/-0.02
msd-w18d.d	10/21 10:08 PM	1,4-Dichlorobenzene-D4	884248/ 9.42	0.970/-0.01
		Naphthalene-D8	3090596/12.41	0.927/-0.01
		Acenaphthalene-D10	1620751/16.59	0.972/-0.01
		Phenanthrene-D10	2593334/20.04	1.000/-0.02
		Chrysene-D12	1986999/26.33	0.962/-0.01
		Perylene-D12	1466325/29.46	0.865/-0.02
0724423.d	10/21 10:51 PM	1,4-Dichlorobenzene-D4	922945/ 9.42	1.012/-0.01
		Naphthalene-D8	3233511/12.41	0.969/-0.01
		Acenaphthalene-D10	1645883/16.59	0.987/-0.01
		Phenanthrene-D10	2648545/20.04	1.021/-0.02
		Chrysene-D12	2106157/26.32	1.019/-0.02
		Perylene-D12	1563073/29.46	0.922/-0.02
0724424.d	10/21 11:33 PM	1,4-Dichlorobenzene-D4	1000530/ 9.42	1.097/-0.01
		Naphthalene-D8	3540314/12.41	1.061/-0.01
		Acenaphthalene-D10	1852261/16.59	1.110/-0.01
		Phenanthrene-D10	2970695/20.05	1.145/-0.01
		Chrysene-D12	2308431/26.32	1.117/-0.02
		Perylene-D12	1658231/29.46	0.978/-0.02
0724425.d	10/22 12:17 AM	1,4-Dichlorobenzene-D4	1098155/ 9.43	1.205/ 0.00
		Naphthalene-D8	3816808/12.41	1.144/-0.01
		Acenaphthalene-D10	1948172/16.59	1.168/-0.01
		Phenanthrene-D10	3168368/20.05	1.222/-0.01
		Chrysene-D12	2492923/26.33	1.206/-0.01
		Perylene-D12	1792033/29.47	1.057/-0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: 011018.1
Heated Purge: N/A

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0724423d.d	10/22 01:00 AM	1,4-Dichlorobenzene-D4	915825/ 9.43	1.005/ 0.00
		Naphthalene-D8	3261392/12.41	0.978/-0.01
		Acenaphthalene-D10	1638757/16.59	0.982/-0.01
		Phenanthrene-D10	2632290/20.05	1.015/-0.01
		Chrysene-D12	2062179/26.32	0.998/-0.02
		Perylene-D12	1545916/29.46	0.912/-0.02
0726609.d	10/22 03:52 AM	1,4-Dichlorobenzene-D4	859808/ 9.42	0.943/-0.01
		Naphthalene-D8	3079992/12.41	0.923/-0.01
		Acenaphthalene-D10	1561086/16.59	0.936/-0.01
		Phenanthrene-D10	2449294/20.05	0.944/-0.01
		Chrysene-D12	1897648/26.34	0.918/ 0.00
		Perylene-D12	1357949/29.47	0.801/-0.01
0726610.d	10/22 04:35 AM	1,4-Dichlorobenzene-D4	926085/ 9.43	1.016/ 0.00
		Naphthalene-D8	3251989/12.41	0.975/-0.01
		Acenaphthalene-D10	1699774/16.59	1.019/-0.01
		Phenanthrene-D10	2761726/20.05	1.065/-0.01
		Chrysene-D12	2093813/26.33	1.013/-0.01
		Perylene-D12	1576211/29.47	0.930/-0.01
0726801.d	10/22 05:19 AM	1,4-Dichlorobenzene-D4	947906/ 9.42	1.040/-0.01
		Naphthalene-D8	3279108/12.41	0.983/-0.01
		Acenaphthalene-D10	1687929/16.60	1.012/ 0.00
		Phenanthrene-D10	2666860/20.05	1.028/-0.01
		Chrysene-D12	2089332/26.33	1.011/-0.01
		Perylene-D12	1604235/29.46	0.947/-0.02
0726802.d	10/22 06:02 AM	1,4-Dichlorobenzene-D4	952682/ 9.42	1.045/-0.01
		Naphthalene-D8	3347551/12.41	1.004/-0.01
		Acenaphthalene-D10	1720289/16.59	1.031/-0.01
		Phenanthrene-D10	2675656/20.04	1.032/-0.02
		Chrysene-D12	2124680/26.33	1.028/-0.01
		Perylene-D12	1587669/29.46	0.937/-0.02
0726803.d	10/22 06:45 AM	1,4-Dichlorobenzene-D4	956965/ 9.42	1.050/-0.01
		Naphthalene-D8	3355674/12.41	1.006/-0.01
		Acenaphthalene-D10	1717755/16.60	1.030/ 0.00
		Phenanthrene-D10	2709960/20.05	1.045/-0.01
		Chrysene-D12	2165093/26.33	1.048/-0.01
		Perylene-D12	1573457/29.46	0.928/-0.02

KEY:
[Area/RT]: Absolute area (counts) and absolute retention time (minutes) of internal standard
[Ratio/Diff]: Ratio of internal standard areas and difference between internal standard retention times (minutes)

CONTROL LIMITS:
Area UCL/LCL = 50% to 200% of internal standard area
RT UCL/LCL = +/- 0.5 minutes of internal standard RT

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Index of Applicable Reporting Forms

Form 0: GC/MS Injection Log - Volatile Organics
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Form 2: Surrogate Standard Recoveries
Form 3a: Duplicate/Matrix Spike Duplicate Summary
Form 3b: Matrix Spike Summary
Form 4: Method Blank Summary
Form 5: Instrument Performance Check (BFB/DFTPP)
Form 6: Initial Calibration Data
Form 7a: System Performance Compounds Check
Form 7b: Calibration Check Compounds
Form 8: Internal Standard Area and Retention Time Study
Supplemental Forms: Chromatographic Data

Filename	LIMS ID	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
w-19b.d	10/19	08:33 PM	wash	WW			
bfb19b.d	10/19	09:42 PM	bfb+spcc/ccc	WW	IP		
spcc19b.d			bfb+spcc/ccc	WW	CV		
0726603m.d	10/19	10:15 PM	wes $8260w 5ml	WW	MS		
blk-w19a.d	10/19	10:50 PM	blank	WW	Bl		
0726603r.d	10/19	11:25 PM	wes $8260w 5ml	WW			
0726603d.d	10/19	11:59 PM	wes $8260w 5ml	WW	Dp		
0725402x.d	10/20	12:33 AM	eme $btm826w 5ml	WW			
0726606r.d	10/20	01:07 AM	wes $8260w 500ul	WW			
0726607r.d	10/20	01:42 AM	wes $8260w 500ul	WW			
0726608r.d	10/20	02:18 AM	wes $8260w 500ul	WW			
0726609r.d	10/20	02:51 AM	wes $8260w 5ml	WW			
0727001r.d	10/20	03:25 AM	ene $btx826w 5ml	WW			
0727101r.d	10/20	03:59 AM	ene $btx826w 20ul	WW			
0727102r.d	10/20	04:34 AM	ene $btx826w 2ul	WW			
0727103r.d	10/20	05:09 AM	ene $btx826w 2ul	WW			
0727104r.d	10/20	05:42 AM	ene $btx826w 25ul	WW			
0727201.d	10/20	06:16 AM	gm-smi $624tto 5ml	WW			
bfb21a.d	10/21	03:51 PM	bfb+spcc/ccc	WW	IP		
spcc21a.d			bfb+spcc/ccc	WW	CV		
lcs-s21a.d	10/21	04:27 PM	blankms	SO	MS		
blk-s21a.d	10/21	05:34 PM	blank	SO	Bl		
spcc22a.d	10/22	11:25 AM	bfb+spcc/ccc	WW	CV	4	
w-23a.d	10/22	12:00 PM	wash	WW			
bfb22b.d	10/22	12:36 PM	bfb+spcc/ccc	WW	IP		
spcc22b.d			bfb+spcc/ccc	WW	CV		
w-22b.d	10/22	01:10 PM	wash	WW			
0731401.d	10/22	01:45 PM	gm-smco $tclpvol 100ul	WW			
0731501.d	10/22	02:19 PM	gm-smco $tclpvol 100ul	WW			
0728002.d	10/22	03:18 PM	rmt $btm8260 5ul	SO			
0728501r.d	10/22	03:52 PM	rmt $8260 6820s 20ul	SO			
w-22c.d	10/22	04:28 PM	wash	WW			
0727201r.d	10/22	05:02 PM	gm-smi $624tto 5ml	WW			
0727502r.d	10/22	05:37 PM	ce $btx826w 5ml	WW			
0727504r.d	10/22	06:14 PM	ce $btx826w 5ml	WW			
0727507r.d	10/22	06:49 PM	ce $btx826w 5ml	WW			
0727508r.d	10/22	07:22 PM	ce $btx826w 5ml	WW			
0726901r.d	10/22	07:59 PM	ene $btexgas $tphgrov 5cc	WW			
0728002d.d	10/22	08:33 PM	rmt $btm8260 5ul	SO	Dp		
0726501.d	10/22	09:07 PM	gmham $tclpvol 100ul	WW			
0726504.d	10/22	09:41 PM	gmham $tclpvol 100ul	WW			
0726502.d	10/22	10:15 PM	gmham $tclpvol 100ul	WW			
gas_002.d	10/22	10:49 PM	gasoline 2ppm	SO			
0728002m.d	10/22	11:23 PM	rmt $btm8260 5ul	SO	MS		
lcs-w22a.d	10/22	11:57 PM	blankms	WW			
bfb23a.d	10/23	12:31 AM	bfb+spcc/ccc	WW	IP		

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Index of Applicable Reporting Forms

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Form 4: Method Blank Summary
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Form 6: Initial Calibration Data
Form 7a: System Performance Compounds Check
Form 7b: Calibration Check Compounds
Form 8: Internal Standard Area and Retention Time Study
Supplemental Forms: Chromatographic Data

Filename	LIMS ID	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
spcc23a.d			bfb+spcc/ccc	WW	CV		
lcs-w23a.d	10/23	01:05 AM	blankms	WW	MS		
0729801m.d	10/23	01:40 AM	bocthompson $bocsavo 5ml	WW	MS		
w-23b.d	10/23	02:14 AM	wash	WW			
blk-w23a.d	10/23	02:48 AM	blank	WW	Bl		
0729801.d	10/23	03:23 AM	bocthompson $bocsavo 5ml	WW			
0729801d.d	10/23	03:56 AM	bocthompson $bocsavo 5ml	WW	Dp		
0729001.d	10/23	04:30 AM	ear $btx826w 500ul	WW			
0729002.d	10/23	05:04 AM	ear $btx826w 5ml	WW			
0729003.d	10/23	05:39 AM	ear $btx826w 200ul	WW			
0729004.d	10/23	06:13 AM	ear $btx826w 250ul	WW			
0729005.d	10/23	06:47 AM	ear $btx826w 25ul	WW			
0729006.d	10/23	07:21 AM	ear $btx826w 500ul	WW			
0729007.d	10/23	07:56 AM	ear $btx826w 500ul	WW			
0729802.d	10/23	08:29 AM	bocthompson $bocsavo 5ml	WW			
0729803.d	10/23	09:03 AM	bocthompson $bocsavo 5ml	WW			
0729901.d	10/23	09:37 AM	bocjones $bocsavo 5ml	WW			
0729902.d	10/23	10:13 AM	bocjones $bocsavo 5ml	WW			
0730001.d	10/23	10:47 AM	bocfaler $bocsavo 5ml	WW			
0730101.d	10/23	11:21 AM	bocblizzard $bocsavo 5ml	WW			

Matrix (Mtx) Summary

Water Samples:	36	Soil Samples:	3
Water Duplicates:	2	Soil Duplicates:	1
Water Spikes:	3	Soil Spikes:	2
Water Blanks:	2	Soil Blanks:	1

QC Sample Type Summary

IP: Instrument Performance
CV: Calibration Verification
MS: Matrix Spike/MS Duplicate
Bl: Blank
Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
R: Reanalyze Sample
S: Surrogate Standard Outlier
C: Concentration Beyond Calibration
T: Exceeds Time Limit
X: Other

Notes Summary

1: Raw Data Included (Form 1 + Chromatograms)
2: Surrogate Standard Outliers (Form 2): 0
3: Matrix Spike Outliers (Form 3b): 0
4: CVM Outliers (Form 7b): 1

Batch Comments

[no comments]

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
w-19b.d	4-Bromofluorobenzene	45.1/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	57.5/ 50.0	n/a	73.4/124.2	
	Toluene-D8	54.6/ 50.0	n/a	86.0/116.4	
spcc19b.d	4-Bromofluorobenzene	50.8/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	45.9/ 50.0	n/a	73.4/124.2	
	Toluene-D8	49.4/ 50.0	n/a	86.0/116.4	
0726603m.d	4-Bromofluorobenzene	50.7/ 50.0	101.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	51.5/ 50.0	103.1	73.4/124.2	
	Toluene-D8	50.0/ 50.0	100.1	86.0/116.4	
blk-w19a.d	4-Bromofluorobenzene	50.1/ 50.0	100.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	51.0/ 50.0	102.0	73.4/124.2	
	Toluene-D8	49.9/ 50.0	99.8	86.0/116.4	
0726603r.d	4-Bromofluorobenzene	50.6/ 50.0	101.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	51.2/ 50.0	102.4	73.4/124.2	
	Toluene-D8	49.8/ 50.0	99.6	86.0/116.4	
0726603d.d	4-Bromofluorobenzene	49.9/ 50.0	99.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	50.5/ 50.0	101.0	73.4/124.2	
	Toluene-D8	50.4/ 50.0	100.7	86.0/116.4	
0725402x.d	4-Bromofluorobenzene	50.6/ 50.0	101.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	51.1/ 50.0	102.1	73.4/124.2	
	Toluene-D8	50.8/ 50.0	101.6	86.0/116.4	
0726606r.d	4-Bromofluorobenzene	50.0/ 50.0	99.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	52.7/ 50.0	105.4	73.4/124.2	
	Toluene-D8	49.9/ 50.0	99.8	86.0/116.4	
0726607r.d	4-Bromofluorobenzene	50.8/ 50.0	101.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	51.2/ 50.0	102.4	73.4/124.2	
	Toluene-D8	51.1/ 50.0	102.1	86.0/116.4	
0726608r.d	4-Bromofluorobenzene	50.0/ 50.0	100.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.9/ 50.0	97.9	73.4/124.2	
	Toluene-D8	51.0/ 50.0	101.9	86.0/116.4	
0726609r.d	4-Bromofluorobenzene	50.0/ 50.0	100.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	50.2/ 50.0	100.5	73.4/124.2	
	Toluene-D8	50.9/ 50.0	101.8	86.0/116.4	
0727001r.d	4-Bromofluorobenzene	49.5/ 50.0	99.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.7/ 50.0	97.4	73.4/124.2	
	Toluene-D8	50.1/ 50.0	100.3	86.0/116.4	
0727101r.d	4-Bromofluorobenzene	49.5/ 50.0	98.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	50.0/ 50.0	100.1	73.4/124.2	
	Toluene-D8	50.1/ 50.0	100.1	86.0/116.4	
0727102r.d	4-Bromofluorobenzene	50.5/ 50.0	101.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	50.5/ 50.0	101.0	73.4/124.2	
	Toluene-D8	50.4/ 50.0	100.8	86.0/116.4	
0727103r.d	4-Bromofluorobenzene	50.4/ 50.0	100.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	50.4/ 50.0	100.7	73.4/124.2	
	Toluene-D8	50.4/ 50.0	100.8	86.0/116.4	
0727104r.d	4-Bromofluorobenzene	51.1/ 50.0	102.3	86.1/120.5	WW
	1,2-Dichloroethane-D4	50.9/ 50.0	101.8	73.4/124.2	
	Toluene-D8	49.8/ 50.0	99.6	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0727201.d	4-Bromofluorobenzene	50.3/ 50.0	100.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	47.7/ 50.0	95.5	73.4/124.2	
	Toluene-D8	51.0/ 50.0	102.0	86.0/116.4	
spcc21a.d	4-Bromofluorobenzene	51.1/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.5/ 50.0	n/a	73.4/124.2	
	Toluene-D8	51.3/ 50.0	n/a	86.0/116.4	
lcs-s21a.d	4-Bromofluorobenzene	51.2/ 50.0	102.4	72.4/121.0	SO
	1,2-Dichloroethane-D4	51.2/ 50.0	102.5	68.3/127.0	
	Toluene-D8	51.0/ 50.0	101.9	81.0/117.0	
blk-s21a.d	4-Bromofluorobenzene	51.5/ 50.0	103.1	72.4/121.0	SO
	1,2-Dichloroethane-D4	48.8/ 50.0	97.6	68.3/127.0	
	Toluene-D8	51.3/ 50.0	102.7	81.0/117.0	
spcc22a.d	4-Bromofluorobenzene	49.2/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	50.7/ 50.0	n/a	73.4/124.2	
	Toluene-D8	50.4/ 50.0	n/a	86.0/116.4	
w-23a.d	4-Bromofluorobenzene	47.1/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	51.1/ 50.0	n/a	73.4/124.2	
	Toluene-D8	51.2/ 50.0	n/a	86.0/116.4	
spcc22b.d	4-Bromofluorobenzene	49.4/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	53.0/ 50.0	n/a	73.4/124.2	
	Toluene-D8	51.3/ 50.0	n/a	86.0/116.4	
w-22b.d	4-Bromofluorobenzene	49.0/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	51.9/ 50.0	n/a	73.4/124.2	
	Toluene-D8	51.7/ 50.0	n/a	86.0/116.4	
0731401.d	4-Bromofluorobenzene	49.4/ 50.0	98.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	51.5/ 50.0	103.0	73.4/124.2	
	Toluene-D8	51.6/ 50.0	103.2	86.0/116.4	
0731501.d	4-Bromofluorobenzene	50.2/ 50.0	100.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	49.6/ 50.0	99.1	73.4/124.2	
	Toluene-D8	52.0/ 50.0	104.0	86.0/116.4	
0728002.d	4-Bromofluorobenzene	48.3/ 50.0	96.6	72.4/121.0	SO
	1,2-Dichloroethane-D4	51.5/ 50.0	103.0	68.3/127.0	
	Toluene-D8	51.2/ 50.0	102.4	81.0/117.0	
0728501r.d	4-Bromofluorobenzene	47.1/ 50.0	94.2	72.4/121.0	SO
	1,2-Dichloroethane-D4	49.7/ 50.0	99.4	68.3/127.0	
	Toluene-D8	51.0/ 50.0	102.0	81.0/117.0	
w-22c.d	4-Bromofluorobenzene	49.3/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	47.6/ 50.0	n/a	73.4/124.2	
	Toluene-D8	51.1/ 50.0	n/a	86.0/116.4	
0727201r.d	4-Bromofluorobenzene	48.4/ 50.0	96.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	46.8/ 50.0	93.7	73.4/124.2	
	Toluene-D8	51.3/ 50.0	102.5	86.0/116.4	
0727502r.d	4-Bromofluorobenzene	49.3/ 50.0	98.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	47.1/ 50.0	94.3	73.4/124.2	
	Toluene-D8	51.2/ 50.0	102.3	86.0/116.4	
0727504r.d	4-Bromofluorobenzene	49.6/ 50.0	99.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	49.0/ 50.0	97.9	73.4/124.2	
	Toluene-D8	51.6/ 50.0	103.3	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0727507r.d	4-Bromofluorobenzene	49.8/ 50.0	99.7	86.1/120.5	WW
	1,2-Dichloroethane-D4	47.2/ 50.0	94.5	73.4/124.2	
	Toluene-D8	51.2/ 50.0	102.3	86.0/116.4	
0727508r.d	4-Bromofluorobenzene	50.3/ 50.0	100.5	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.2/ 50.0	96.3	73.4/124.2	
	Toluene-D8	52.0/ 50.0	104.0	86.0/116.4	
0726901r.d	4-Bromofluorobenzene	49.7/ 50.0	99.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	47.4/ 50.0	94.8	73.4/124.2	
	Toluene-D8	51.5/ 50.0	102.9	86.0/116.4	
0728002d.d	4-Bromofluorobenzene	46.8/ 50.0	93.6	72.4/121.0	SO
	1,2-Dichloroethane-D4	48.8/ 50.0	97.6	68.3/127.0	
	Toluene-D8	51.3/ 50.0	102.6	81.0/117.0	
0726501.d	4-Bromofluorobenzene	48.6/ 50.0	97.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	47.1/ 50.0	94.2	73.4/124.2	
	Toluene-D8	51.0/ 50.0	102.1	86.0/116.4	
0726504.d	4-Bromofluorobenzene	49.0/ 50.0	98.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.4/ 50.0	96.9	73.4/124.2	
	Toluene-D8	52.1/ 50.0	104.1	86.0/116.4	
0726502.d	4-Bromofluorobenzene	49.6/ 50.0	99.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	47.5/ 50.0	95.1	73.4/124.2	
	Toluene-D8	51.9/ 50.0	103.8	86.0/116.4	
gas_002.d	4-Bromofluorobenzene	47.9/ 50.0	95.7	72.4/121.0	SO
	1,2-Dichloroethane-D4	47.7/ 50.0	95.3	68.3/127.0	
	Toluene-D8	50.6/ 50.0	101.1	81.0/117.0	
0728002m.d	4-Bromofluorobenzene	47.0/ 50.0	93.9	72.4/121.0	SO
	1,2-Dichloroethane-D4	47.5/ 50.0	95.1	68.3/127.0	
	Toluene-D8	50.4/ 50.0	100.9	81.0/117.0	
lcs-w22a.d	4-Bromofluorobenzene	48.6/ 50.0	97.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	49.2/ 50.0	98.4	73.4/124.2	
	Toluene-D8	51.5/ 50.0	102.9	86.0/116.4	
spcc23a.d	4-Bromofluorobenzene	51.3/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	50.9/ 50.0	n/a	73.4/124.2	
	Toluene-D8	52.4/ 50.0	n/a	86.0/116.4	
lcs-w23a.d	4-Bromofluorobenzene	50.6/ 50.0	101.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	49.7/ 50.0	99.5	73.4/124.2	
	Toluene-D8	51.8/ 50.0	103.7	86.0/116.4	
0729801m.d	4-Bromofluorobenzene	52.5/ 50.0	105.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	45.4/ 50.0	90.7	73.4/124.2	
	Toluene-D8	52.0/ 50.0	104.0	86.0/116.4	
w-23b.d	4-Bromofluorobenzene	52.4/ 50.0	n/a	86.1/120.5	WW
	1,2-Dichloroethane-D4	45.8/ 50.0	n/a	73.4/124.2	
	Toluene-D8	51.9/ 50.0	n/a	86.0/116.4	
blk-w23a.d	4-Bromofluorobenzene	52.4/ 50.0	104.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	46.3/ 50.0	92.6	73.4/124.2	
	Toluene-D8	52.2/ 50.0	104.3	86.0/116.4	
0729801.d	4-Bromofluorobenzene	51.5/ 50.0	103.1	86.1/120.5	WW
	1,2-Dichloroethane-D4	49.2/ 50.0	98.3	73.4/124.2	
	Toluene-D8	52.5/ 50.0	105.1	86.0/116.4	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
0729801d.d	4-Bromofluorobenzene	52.2/ 50.0	104.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	46.2/ 50.0	92.4	73.4/124.2	
	Toluene-D8	52.0/ 50.0	104.0	86.0/116.4	
0729001.d	4-Bromofluorobenzene	52.7/ 50.0	105.4	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.4/ 50.0	96.8	73.4/124.2	
	Toluene-D8	50.9/ 50.0	101.7	86.0/116.4	
0729002.d	4-Bromofluorobenzene	51.8/ 50.0	103.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	47.3/ 50.0	94.5	73.4/124.2	
	Toluene-D8	51.7/ 50.0	103.5	86.0/116.4	
0729003.d	4-Bromofluorobenzene	52.3/ 50.0	104.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	49.5/ 50.0	99.1	73.4/124.2	
	Toluene-D8	52.2/ 50.0	104.4	86.0/116.4	
0729004.d	4-Bromofluorobenzene	51.1/ 50.0	102.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.9/ 50.0	97.7	73.4/124.2	
	Toluene-D8	52.0/ 50.0	104.1	86.0/116.4	
0729005.d	4-Bromofluorobenzene	52.0/ 50.0	104.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	50.0/ 50.0	99.9	73.4/124.2	
	Toluene-D8	51.8/ 50.0	103.6	86.0/116.4	
0729006.d	4-Bromofluorobenzene	51.9/ 50.0	103.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.1/ 50.0	96.2	73.4/124.2	
	Toluene-D8	52.4/ 50.0	104.8	86.0/116.4	
0729007.d	4-Bromofluorobenzene	52.0/ 50.0	103.9	86.1/120.5	WW
	1,2-Dichloroethane-D4	47.4/ 50.0	94.8	73.4/124.2	
	Toluene-D8	52.6/ 50.0	105.2	86.0/116.4	
0729802.d	4-Bromofluorobenzene	51.5/ 50.0	103.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	49.4/ 50.0	98.8	73.4/124.2	
	Toluene-D8	52.0/ 50.0	104.1	86.0/116.4	
0729803.d	4-Bromofluorobenzene	51.1/ 50.0	102.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.0/ 50.0	95.9	73.4/124.2	
	Toluene-D8	53.6/ 50.0	107.2	86.0/116.4	
0729901.d	4-Bromofluorobenzene	50.8/ 50.0	101.6	86.1/120.5	WW
	1,2-Dichloroethane-D4	51.1/ 50.0	102.3	73.4/124.2	
	Toluene-D8	52.2/ 50.0	104.3	86.0/116.4	
0729902.d	4-Bromofluorobenzene	52.6/ 50.0	105.2	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.6/ 50.0	97.3	73.4/124.2	
	Toluene-D8	52.1/ 50.0	104.2	86.0/116.4	
0730001.d	4-Bromofluorobenzene	53.4/ 50.0	106.8	86.1/120.5	WW
	1,2-Dichloroethane-D4	48.0/ 50.0	96.0	73.4/124.2	
	Toluene-D8	52.9/ 50.0	105.9	86.0/116.4	
0730101.d	4-Bromofluorobenzene	53.0/ 50.0	106.0	86.1/120.5	WW
	1,2-Dichloroethane-D4	49.1/ 50.0	98.3	73.4/124.2	
	Toluene-D8	53.5/ 50.0	107.0	86.0/116.4	

NOTES

*: Surrogate recovery outside of laboratory-established control limits

n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 3a: Duplicate/Matrix Spike Duplicate Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

File Name	Sample Name	Target Compound	Dup/Samp Conc.	%RPD	Matrix
0726603d.d	0726603r.d	acetone (*)	1.89/ 1.58	17.9	WW
		vinyl chloride (ccc)	23.11/ 22.98	0.6	
		trans-1,2-dichloroethene	1.81/ 1.73	4.5	
		1,1-dichloroethane (spcc)	19.64/ 20.62	4.9	
		cis-1,2-dichloroethene	35.64/ 35.49	0.4	
		1,2-dichloropropane (ccc)	2.14/ 2.09	2.4	
		[end of compound list]			
0728002d.d	0728002.d	2-butanone (mek) (*)	2.39/ 2.29	4.3	SO
		benzene (ms)	1.60/ 1.23	26.1*	
		cis-1,3-dichloropropene	2.12/ 4.35	68.9*	
		trans-1,4-dichloro-2-butene (*	11.76/ 0.00	200.0*	
		ethylbenzene (ccc)	2.99/ 2.89	3.4	
		p,m-xylene	9.73/ 9.46	2.8	
		o-xylene	1.30/ 1.23	5.5	
		1,1,2,2-tetrachloroethane (spc	1.18/ 0.00	200.0*	
		1,2,3-trichloropropane	7.41/ 6.89	7.3	
		n-propylbenzene	1.07/ 1.16	8.1	
		1,3,5-trimethylbenzene	13.10/ 13.00	0.8	
		1,2,4-trimethylbenzene	7.79/ 7.85	0.8	
		n-butylbenzene	1.38/ 1.57	12.9	
		naphthalene	1.55/ 1.60	3.2	
		[end of compound list]			
0729801d.d	0729801.d	acetone (*)	1.25/ 1.61	25.2*	WW
		2-butanone (mek) (*)	9.37/ 7.74	19.1	
		[end of compound list]			

Form 3b: Matrix Spike Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

File Name	Sample Name	Target Compound	MS/Samp	Conc.	%Rec	LCL/UCL	Mat.
0726603m.d	0726603r.d	1,1-Dichloroethene	24.07/	0.00	96.3	71.0/129.0	WW
		Benzene	26.77/	0.00	107.1	71.0/129.0	
		Chlorobenzene	27.72/	0.00	110.9	71.0/129.0	
		Toluene	27.31/	0.00	109.2	71.0/129.0	
		Trichloroethene	27.35/	0.00	109.4	71.0/129.0	
lcs-s21a.d	blk-s21a.d	1,1-Dichloroethene	23.58/	0.00	94.3	71.0/129.0	SO
		Benzene	27.46/	0.00	109.8	71.0/129.0	
		Chlorobenzene	28.63/	0.00	114.5	71.0/129.0	
		Toluene	27.92/	0.00	111.7	71.0/129.0	
		Trichloroethene	27.46/	0.00	109.8	71.0/129.0	
0728002m.d	0728002.d	1,1-Dichloroethene	26.51/	0.00	106.0	71.0/129.0	SO
		Benzene	31.28/	1.23	120.2	71.0/129.0	
		Chlorobenzene	30.18/	0.00	120.7	71.0/129.0	
		Toluene	31.68/	1.05	122.5	71.0/129.0	
		Trichloroethene	29.56/	0.00	118.2	71.0/129.0	
lcs-w23a.d	blk-w23a.d	1,1-Dichloroethene	24.06/	0.00	96.2	71.0/129.0	WW
		Benzene	27.55/	0.00	110.2	71.0/129.0	
		Chlorobenzene	27.18/	0.00	108.7	71.0/129.0	
		Toluene	26.57/	0.00	106.3	71.0/129.0	
		Trichloroethene	27.03/	0.00	108.1	71.0/129.0	
0729801m.d	0729801.d	1,1-Dichloroethene	23.37/	0.00	93.5	71.0/129.0	WW
		Benzene	28.86/	0.00	115.4	71.0/129.0	
		Chlorobenzene	30.32/	0.00	121.3	71.0/129.0	
		Toluene	30.14/	0.00	120.6	71.0/129.0	
		Trichloroethene	29.04/	0.00	116.2	71.0/129.0	

NOTES

*: LCS/Matrix Spike recovery outside of laboratory-established control limits

Form 4: Method Blank Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	*Run Time*	*Target Compound*	*Conc.*	*Matrix*
blk-w19a.d	10/19 10:50 PM	acetone (*)	1.77	WW
		p,m-xylene	1.26	
		tert-butylbenzene	1.08	
		1,2,4-trimethylbenzene	1.03	
		sec-butylbenzene	1.14	
		p-isopropyltoluene	1.46	
		1,2-dichlorobenzene	1.16	
		n-butylbenzene	1.66	
		1,2,4-trichlorobenzene	1.92	
		hexachlorobutadiene	3.52	
		1,2,3-trichlorobenzene	2.03	
		[end of compound list]	0.00	
blk-s21a.d	10/21 05:34 PM	[end of compound list]	0.00	SO
blk-w23a.d	10/23 02:48 AM	[end of compound list]	0.00	WW

Form 5: Instrument Performance Check (BFB/DFTPP)

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	Run Time	Tgt. Mass	Rel. Mass	LCL(%)	UCL(%)	Rel.Abn.	Raw Abn.	Result
bfb19b.d	10/19 09:42 PM	50	95	15.0	40.0	20.5	68184	PASS
		75	95	30.0	60.0	45.3	150675	PASS
		95	95	100.0	100.0	100.0	332782	PASS
		96	95	5.0	9.0	7.0	23245	PASS
		173	174	0.0	2.0	0.8	2351	PASS
		174	95	50.0	200.0	83.8	279021	PASS
		175	174	5.0	9.0	7.5	20972	PASS
		176	174	95.0	101.0	100.6	280623	PASS
		177	176	5.0	9.0	6.9	19448	PASS
bfb21a.d	10/21 03:51 PM	50	95	15.0	40.0	20.9	122536	PASS
		75	95	30.0	60.0	46.1	269696	PASS
		95	95	100.0	100.0	100.0	585280	PASS
		96	95	5.0	9.0	7.1	41448	PASS
		173	174	0.0	2.0	0.0	0	PASS
		174	95	50.0	200.0	83.6	489472	PASS
		175	174	5.0	9.0	8.0	38928	PASS
		176	174	95.0	101.0	100.5	492160	PASS
		177	176	5.0	9.0	6.8	33328	PASS
bfb22b.d	10/22 12:36 PM	50	95	15.0	40.0	20.9	67660	PASS
		75	95	30.0	60.0	45.8	148588	PASS
		95	95	100.0	100.0	100.0	324388	PASS
		96	95	5.0	9.0	7.4	24154	PASS
		173	174	0.0	2.0	0.8	2099	PASS
		174	95	50.0	200.0	84.0	272637	PASS
		175	174	5.0	9.0	7.2	19673	PASS
		176	174	95.0	101.0	98.8	269461	PASS
		177	176	5.0	9.0	6.7	18120	PASS
bfb23a.d	10/23 12:31 AM	50	95	15.0	40.0	20.2	111736	PASS
		75	95	30.0	60.0	45.8	254080	PASS
		95	95	100.0	100.0	100.0	554432	PASS
		96	95	5.0	9.0	7.3	40552	PASS
		173	174	0.0	2.0	1.1	5038	PASS
		174	95	50.0	200.0	85.7	475136	PASS
		175	174	5.0	9.0	7.0	33424	PASS
		176	174	95.0	101.0	98.4	467456	PASS
		177	176	5.0	9.0	7.0	32520	PASS

Note: See Form 0 (Injection Log) for 12-hour time increments and associated samples

Form 6: Initial Calibration Data

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	Compound	Fit	<RF>	%RSD	RF(1)	RF(2)	RF(3)	RF(4)	RF(5)	RF(6)	COD	k(0)	k(1)	k(2)
fl011019.m	PENTAFLUOROBENZENE (I)	I			100.0	60.00	40.00	20.00	10.00	5.000				
	1,2-DICHLOROETHANE-D4 (S)	A	0.519	6.91	0.576	0.541	0.528	0.491	0.481	0.499				
	Diethyl ether (*)	A	0.131	4.84	0.125	0.137	0.139	0.131	0.124	0.127				
	Acetone (*)	A	0.109	26.8	0.088	0.120	0.086	0.095	0.155					
	Methyl iodide (iodomethane) (*	A	0.312	11.8	0.289	0.339	0.347	0.346	0.291	0.260				
	Carbon disulfide (*)	A	1.315	5.46	1.190	1.401	1.347	1.348	1.290	1.315				
	tert-Methyl butyl ether (MTBE)	A	0.517	10.3	0.429	0.531	0.527	0.507	0.514	0.594				
	Acrylonitrile (*)	A	0.065	15.1	0.057	0.059	0.060	0.070	0.062	0.083				
	2-Butanone (MEK) (*)	A	0.115	16.2	0.102	0.132	0.099	0.103	0.138					
	Dichlorodifluoromethane	A	0.666	14.3	0.506	0.651	0.634	0.679	0.762	0.761				
	Chloromethane (SPCC)	A	0.713	12.6	0.574	0.680	0.684	0.720	0.810	0.811				
	Vinyl Chloride (CCC)	QO	0.490	11.8	0.386	0.483	0.474	0.533	0.531	0.534	1.00	0.00	0.574	-0.09
	Bromomethane	A	0.313	5.32	0.304	0.342	0.317	0.311	0.292	0.312				
	Chloroethane	A	0.303	6.79	0.262	0.314	0.311	0.314	0.314	0.301				
	Trichlorofluoromethane	A	0.915	5.74	0.830	0.987	0.937	0.919	0.929	0.889				
	1,1-Dichloroethene (CCC/MS)	A	0.777	5.88	0.711	0.836	0.796	0.792	0.790	0.734				
	Methylene Chloride	A	0.647	6.95	0.569	0.670	0.653	0.638	0.644	0.705				
	trans-1,2-Dichloroethene	A	0.678	5.65	0.624	0.739	0.687	0.689	0.674	0.656				
	1,1-Dichloroethane (SPCC)	A	0.811	5.56	0.731	0.859	0.809	0.819	0.801	0.847				
	2,2-Dichloropropane	A	0.553	5.92	0.509	0.601	0.562	0.539	0.534	0.575				
	cis-1,2-Dichloroethene	A	0.400	6.00	0.366	0.423	0.394	0.400	0.384	0.430				
	Chloroform (CCC)	A	0.767	11.6	0.669	0.789	0.737	0.731	0.744	0.931				
	Bromochloromethane	A	0.260	9.37	0.226	0.267	0.250	0.261	0.253	0.300				
	1,1,1-Trichloroethane	A	0.823	6.64	0.729	0.847	0.811	0.828	0.828	0.896				
	1,1-Dichloropropene	A	0.771	5.05	0.711	0.823	0.778	0.778	0.744	0.792				
	1,4-DIFLUOROBENZENE (I)	I			100.0	60.00	40.00	20.00	10.00	5.000				
	TOLUENE-D8 (S)	A	1.077	1.01	1.075	1.070	1.069	1.069	1.097	1.081				
	4-Methyl-2-pentanone (MIBK) (*	A	0.058	20.3	0.052	0.059	0.053	0.051	0.051	0.081				
	2-Hexanone (*)	A	0.055	22.3	0.052	0.067	0.046	0.040	0.053	0.072				
	Carbon Tetrachloride	A	0.471	5.70	0.418	0.495	0.477	0.481	0.479	0.474				
	Benzene (MS)	A	0.994	9.30	0.847	0.998	0.969	0.990	1.028	1.133				
	1,2-Dichloroethane	A	0.361	14.7	0.290	0.354	0.348	0.358	0.359	0.455				
	Trichloroethene (MS)	A	0.416	9.19	0.353	0.428	0.399	0.419	0.430	0.468				
	1,2-Dichloropropane (CCC)	A	0.354	12.4	0.292	0.359	0.340	0.344	0.361	0.428				
	Bromodichloromethane	A	0.524	15.9	0.433	0.518	0.492	0.494	0.528	0.681				
	Dibromomethane	A	0.289	14.6	0.234	0.288	0.275	0.278	0.298	0.363				
	cis-1,3-Dichloropropene	A	0.403	9.81	0.359	0.428	0.397	0.391	0.376	0.469				
	Toluene (CCC/MS)	A	1.231	13.5	0.990	1.214	1.155	1.229	1.305	1.494				
	trans-1,3-Dichloropropene	A	0.315	12.6	0.276	0.331	0.303	0.294	0.300	0.388				
	1,1,2-Trichloroethane	A	0.217	19.5	0.171	0.214	0.199	0.199	0.225	0.295				
	Tetrachloroethene	A	0.586	13.7	0.470	0.607	0.525	0.577	0.656	0.683				
	1,3-Dichloropropane	A	0.372	17.3	0.300	0.370	0.343	0.350	0.378	0.491				
	CHLOROBENZENE-D5 (I)	I			100.0	60.00	40.00	20.00	10.00	5.000				
	4-BROMOFLUOROBENZENE (S)	A	0.993	2.58	0.976	0.966	0.967	1.014	1.012	1.021				
	trans-1,4-Dichloro-2-butene (*	A	0.113	21.0	0.097	0.116	0.104	0.101	0.099	0.159				
	Dibromochloromethane	A	0.931	18.9	0.725	0.901	0.873	0.907	0.920	1.259				
	1,2-Dibromoethane	A	0.582	13.3	0.479	0.606	0.567	0.562	0.561	0.714				
	Chlorobenzene (SPCC/MS)	A	1.567	21.0	1.116	1.472	1.446	1.587	1.665	2.117				
	1,1,1,2-Tetrachloroethane	A	0.648	21.9	0.470	0.610	0.592	0.641	0.674	0.900				
	Ethylbenzene (CCC)	QO	2.541	16.4	1.856	2.412	2.434	2.711	2.738	3.095	1.00	0.00	2.995	-0.56
	p,m-Xylene	A	0.975	15.8	0.736	0.919	0.924	1.025	1.051	1.193				
	o-Xylene	A	2.229	12.8	1.745	2.239	2.133	2.292	2.360	2.605				
	Styrene	A	1.511	12.3	1.246	1.506	1.412	1.541	1.551	1.812				
	Isopropylbenzene	A	2.580	9.26	2.146	2.620	2.505	2.661	2.714	2.835				
	Bromoform (SPCC)	A	0.737	21.8	0.565	0.710	0.684	0.697	0.721	1.044				
	1,1,2,2-Tetrachloroethane (SPC	A	0.674	25.7	0.513	0.642	0.600	0.606	0.672	1.010				
	1,2,3-Trichloropropane	A	0.137	24.3	0.105	0.135	0.121	0.124	0.138	0.201				
	n-Propylbenzene	A	3.438	9.82	2.862	3.402	3.298	3.629	3.614	3.825				
	Bromobenzene	A	0.891	17.8	0.673	0.844	0.840	0.909	0.922	1.160				
	1,3,5-Trimethylbenzene	A	2.127	10.3	1.751	2.177	2.032	2.261	2.152	2.386				
	tert-Butylbenzene	A	2.142	8.68	1.806	2.132	2.095	2.289	2.212	2.318				
	1,2,4-Trimethylbenzene	A	2.064	10.1	1.691	2.074	1.990	2.189	2.158	2.281				

Form 6: Initial Calibration Data

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	Compound	Fit	<RF>	%RSD	RF(1)	RF(2)	RF(3)	RF(4)	RF(5)	RF(6)	COD	k(0)	k(1)	k(2)
fl011019.m	1,4-DICHLOROBENZENE-D4 (I)	1			100.0	60.00	40.00	20.00	10.00	5.000				
	sec-Butylbenzene	A	2.678	5.09	2.450	2.856	2.664	2.769	2.676	2.650				
	p-Isopropyltoluene	A	2.070	4.81	1.917	2.210	2.026	2.135	2.053	2.076				
	1,3-Dichlorobenzene	A	1.370	11.8	1.127	1.365	1.318	1.393	1.387	1.630				
	1,4-Dichlorobenzene	A	1.334	12.8	1.103	1.336	1.252	1.336	1.348	1.627				
	1,2-Dichlorobenzene	A	1.240	13.0	1.029	1.243	1.181	1.240	1.222	1.526				
	n-Butylbenzene	A	1.965	6.79	1.875	2.175	1.971	2.063	1.877	1.826				
	1,2-Dibromo-3-Chloropropane	A	0.134	17.3	0.121	0.136	0.119	0.125	0.121	0.179				
	1,2,4-Trichlorobenzene	A	0.789	8.01	0.755	0.873	0.809	0.836	0.696	0.766				
	Hexachlorobutadiene	A	1.159	10.4	0.940	1.132	1.153	1.278	1.201	1.251				
	Naphthalene	A	0.799	21.5	0.908	1.001	0.894	0.805	0.617	0.569				
	1,2,3-Trichlorobenzene	A	0.721	7.23	0.698	0.784	0.746	0.761	0.642	0.696				
	2-Methylnaphthalene	A	0.143	33.8	0.237	0.153	0.114	0.122	0.113	0.119				

NOTES:

Average RF Fit : A* = <RF>C*
Other Curve Fit: A* = k(0) + k(1)C* + k(2)(C*)^2

Notation: A*=As/Ai (normalized peak area/height)
C*=Cs/Ci (normalized concentration)

Calibration (1): fl011019.M (Mean %RSD: 12.40)

Form 7a: System Performance Compounds Check

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	*Run Time*	*SPCC Compound*	*SPCC RF*	*RF LCL*
spcc19b.d	10/19 09:42 PM	1,1,2,2-Tetrachloroethane	0.616	0.30
		1,1-Dichloroethane	0.764	0.10
		Bromoform	0.698	0.30
		Chlorobenzene	1.591	0.30
		Chloromethane	0.677	0.10
spcc21a.d	10/21 03:51 PM	1,1,2,2-Tetrachloroethane	0.723	0.30
		1,1-Dichloroethane	0.829	0.10
		Bromoform	0.795	0.30
		Chlorobenzene	1.680	0.30
		Chloromethane	0.746	0.10
spcc22a.d	10/22 11:25 AM	1,1,2,2-Tetrachloroethane	0.752	0.30
		1,1-Dichloroethane	0.982	0.10
		Bromoform	0.809	0.30
		Chlorobenzene	1.796	0.30
		Chloromethane	0.773	0.10
spcc22b.d	10/22 12:36 PM	1,1,2,2-Tetrachloroethane	0.722	0.30
		1,1-Dichloroethane	0.871	0.10
		Bromoform	0.775	0.30
		Chlorobenzene	1.709	0.30
		Chloromethane	0.714	0.10
spcc23a.d	10/23 12:31 AM	1,1,2,2-Tetrachloroethane	0.720	0.30
		1,1-Dichloroethane	0.922	0.10
		Bromoform	0.818	0.30
		Chlorobenzene	1.836	0.30
		Chloromethane	0.798	0.10

NOTES

*: Performance compound RF below method-established control limit

Form 7b: Calibration Check Compounds

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	Run Time	CCC Compound	CCC Conc.	CCC %D/UCL
spcc19b.d	10/19 09:42 PM	Vinyl Chloride	23.4/ 25.0	6.4/ 20.0
		1,1-Dichloroethene	23.3/ 25.0	6.9/ 20.0
		Chloroform	24.7/ 25.0	1.2/ 20.0
		1,2-Dichloropropane	25.0/ 25.0	0.1/ 20.0
		Toluene	25.5/ 25.0	1.8/ 20.0
		Ethylbenzene	25.3/ 25.0	1.2/ 20.0
spcc21a.d	10/21 03:51 PM	Vinyl Chloride	22.4/ 25.0	10.3/ 20.0
		1,1-Dichloroethene	24.8/ 25.0	0.8/ 20.0
		Chloroform	26.2/ 25.0	4.7/ 20.0
		1,2-Dichloropropane	25.9/ 25.0	3.6/ 20.0
		Toluene	27.0/ 25.0	7.8/ 20.0
		Ethylbenzene	25.9/ 25.0	3.7/ 20.0
spcc22a.d	10/22 11:25 AM	Vinyl Chloride	25.0/ 25.0	0.1/ 20.0
		1,1-Dichloroethene	28.3/ 25.0	13.2/ 20.0
		Chloroform	30.6/ 25.0	* 22.2/ 20.0
		1,2-Dichloropropane	30.4/ 25.0	* 21.5/ 20.0
		Toluene	28.9/ 25.0	15.6/ 20.0
		Ethylbenzene	27.1/ 25.0	8.6/ 20.0
spcc22b.d	10/22 12:36 PM	Vinyl Chloride	23.1/ 25.0	7.4/ 20.0
		1,1-Dichloroethene	26.3/ 25.0	5.2/ 20.0
		Chloroform	27.4/ 25.0	9.6/ 20.0
		1,2-Dichloropropane	28.2/ 25.0	12.6/ 20.0
		Toluene	27.4/ 25.0	9.6/ 20.0
		Ethylbenzene	26.6/ 25.0	6.4/ 20.0
spcc23a.d	10/23 12:31 AM	Vinyl Chloride	26.8/ 25.0	7.3/ 20.0
		1,1-Dichloroethene	29.2/ 25.0	16.8/ 20.0
		Chloroform	30.0/ 25.0	20.0/ 20.0
		1,2-Dichloropropane	29.8/ 25.0	19.2/ 20.0
		Toluene	29.2/ 25.0	16.6/ 20.0
		Ethylbenzene	29.0/ 25.0	16.0/ 20.0

NOTES

*: Calibration check drift outside of method-established control limits

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
w-19b.d	10/19 08:33 PM	Pentafluorobenzene	2384005/ 9.29	1.055/ 0.00
		1,4-Difluorobenzene	4021829/10.72	1.021/ 0.01
		Chlorobenzene-D5	2035941/15.20	1.017/ 0.01
		1,4-Dichlorobenzene-D4	2031479/18.92	0.961/ 0.02
spcc19b.d	10/19 09:42 PM	Pentafluorobenzene	2258696/ 9.29	1.000/ 0.00
		1,4-Difluorobenzene	3939091/10.71	1.000/ 0.00
		Chlorobenzene-D5	2001938/15.19	1.000/ 0.00
		1,4-Dichlorobenzene-D4	2113545/18.90	1.000/ 0.00
0726603m.d	10/19 10:15 PM	Pentafluorobenzene	2266966/ 9.28	1.004/-0.01
		1,4-Difluorobenzene	4067098/10.71	1.032/ 0.00
		Chlorobenzene-D5	2069003/15.18	1.034/-0.01
		1,4-Dichlorobenzene-D4	2206396/18.91	1.044/ 0.01
blk-w19a.d	10/19 10:50 PM	Pentafluorobenzene	2245640/ 9.29	0.994/ 0.00
		1,4-Difluorobenzene	4091189/10.71	1.039/ 0.00
		Chlorobenzene-D5	2086281/15.19	1.042/ 0.00
		1,4-Dichlorobenzene-D4	2163263/18.91	1.024/ 0.01
0726603r.d	10/19 11:25 PM	Pentafluorobenzene	2289936/ 9.30	1.014/ 0.01
		1,4-Difluorobenzene	4100376/10.71	1.041/ 0.00
		Chlorobenzene-D5	2086855/15.19	1.042/ 0.00
		1,4-Dichlorobenzene-D4	2144928/18.92	1.015/ 0.02
0726603d.d	10/19 11:59 PM	Pentafluorobenzene	2263436/ 9.29	1.002/ 0.00
		1,4-Difluorobenzene	3958060/10.71	1.005/ 0.00
		Chlorobenzene-D5	2019343/15.19	1.009/ 0.00
		1,4-Dichlorobenzene-D4	2005686/18.91	0.949/ 0.01
0725402x.d	10/20 12:33 AM	Pentafluorobenzene	2202915/ 9.29	0.975/ 0.00
		1,4-Difluorobenzene	3868145/10.71	0.982/ 0.00
		Chlorobenzene-D5	1988375/15.18	0.993/-0.01
		1,4-Dichlorobenzene-D4	2048473/18.91	0.969/ 0.01
0726606r.d	10/20 01:07 AM	Pentafluorobenzene	2222670/ 9.30	0.984/ 0.01
		1,4-Difluorobenzene	4088154/10.72	1.038/ 0.01
		Chlorobenzene-D5	2087024/15.20	1.043/ 0.01
		1,4-Dichlorobenzene-D4	2152119/18.92	1.018/ 0.02
0726607r.d	10/20 01:42 AM	Pentafluorobenzene	2261503/ 9.29	1.001/ 0.00
		1,4-Difluorobenzene	3998932/10.71	1.015/ 0.00
		Chlorobenzene-D5	2071257/15.18	1.035/-0.01
		1,4-Dichlorobenzene-D4	2156572/18.90	1.020/ 0.00
0726608r.d	10/20 02:18 AM	Pentafluorobenzene	2266350/ 9.28	1.003/-0.01
		1,4-Difluorobenzene	4030040/10.70	1.023/-0.01
		Chlorobenzene-D5	2085915/15.19	1.042/ 0.00
		1,4-Dichlorobenzene-D4	2086757/18.91	0.987/ 0.01
0726609r.d	10/20 02:51 AM	Pentafluorobenzene	2226207/ 9.28	0.986/-0.01
		1,4-Difluorobenzene	3933682/10.70	0.999/-0.01
		Chlorobenzene-D5	2035881/15.19	1.017/ 0.00
		1,4-Dichlorobenzene-D4	2057452/18.90	0.973/ 0.00
0727001r.d	10/20 03:25 AM	Pentafluorobenzene	2275370/ 9.29	1.007/ 0.00
		1,4-Difluorobenzene	3969860/10.70	1.008/-0.01
		Chlorobenzene-D5	2012508/15.19	1.005/ 0.00
		1,4-Dichlorobenzene-D4	1890098/18.91	0.894/ 0.01
0727101r.d	10/20 03:59 AM	Pentafluorobenzene	2307815/ 9.28	1.022/-0.01
		1,4-Difluorobenzene	4007621/10.71	1.017/ 0.00
		Chlorobenzene-D5	2062444/15.19	1.030/ 0.00
		1,4-Dichlorobenzene-D4	2043600/18.91	0.967/ 0.01
0727102r.d	10/20 04:34 AM	Pentafluorobenzene	2240222/ 9.29	0.992/ 0.00
		1,4-Difluorobenzene	3912621/10.71	0.993/ 0.00
		Chlorobenzene-D5	1984324/15.19	0.991/ 0.00
		1,4-Dichlorobenzene-D4	1968742/18.91	0.931/ 0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
0727103r.d	10/20 05:09 AM	Pentafluorobenzene	2238166/ 9.29	0.991/ 0.00
		1,4-Difluorobenzene	3877155/10.71	0.984/ 0.00
		Chlorobenzene-D5	1971298/15.19	0.985/ 0.00
		1,4-Dichlorobenzene-D4	2030595/18.91	0.961/ 0.01
0727104r.d	10/20 05:42 AM	Pentafluorobenzene	2355276/ 9.29	1.043/ 0.00
		1,4-Difluorobenzene	4140758/10.71	1.051/ 0.00
		Chlorobenzene-D5	2094661/15.19	1.046/ 0.00
		1,4-Dichlorobenzene-D4	2149249/18.90	1.017/ 0.00
0727201.d	10/20 06:16 AM	Pentafluorobenzene	2319561/ 9.28	1.027/-0.01
		1,4-Difluorobenzene	4074088/10.70	1.034/-0.01
		Chlorobenzene-D5	2139358/15.19	1.069/ 0.00
		1,4-Dichlorobenzene-D4	2186324/18.91	1.034/ 0.01
spcc21a.d	10/21 03:51 PM	Pentafluorobenzene	2225409/ 9.37	1.000/ 0.00
		1,4-Difluorobenzene	3860884/10.78	1.000/ 0.00
		Chlorobenzene-D5	2040450/15.27	1.000/ 0.00
		1,4-Dichlorobenzene-D4	2238642/18.98	1.000/ 0.00
lcs-s21a.d	10/21 04:27 PM	Pentafluorobenzene	2284004/ 9.36	1.026/-0.01
		1,4-Difluorobenzene	4052826/10.79	1.050/ 0.01
		Chlorobenzene-D5	2138593/15.28	1.048/ 0.01
		1,4-Dichlorobenzene-D4	2313058/18.99	1.033/ 0.01
blk-s21a.d	10/21 05:34 PM	Pentafluorobenzene	2441313/ 9.47	1.097/ 0.10
		1,4-Difluorobenzene	4364283/10.89	1.130/ 0.11
		Chlorobenzene-D5	2231933/15.40	1.094/ 0.13
		1,4-Dichlorobenzene-D4	2328651/19.12	1.040/ 0.14
spcc22a.d	10/22 11:25 AM	Pentafluorobenzene	1914436/ 9.30	1.000/ 0.00
		1,4-Difluorobenzene	3340367/10.70	1.000/ 0.00
		Chlorobenzene-D5	1799891/15.19	1.000/ 0.00
		1,4-Dichlorobenzene-D4	1927110/18.93	1.000/ 0.00
w-23a.d	10/22 12:00 PM	Pentafluorobenzene	2079634/ 9.32	1.086/ 0.02
		1,4-Difluorobenzene	3730613/10.74	1.117/ 0.04
		Chlorobenzene-D5	1925448/15.23	1.070/ 0.04
		1,4-Dichlorobenzene-D4	1963618/18.93	1.019/ 0.00
spcc22b.d	10/22 12:36 PM	Pentafluorobenzene	2002184/ 9.32	1.000/ 0.00
		1,4-Difluorobenzene	3634973/10.72	1.000/ 0.00
		Chlorobenzene-D5	1890361/15.21	1.000/ 0.00
		1,4-Dichlorobenzene-D4	2000308/18.92	1.000/ 0.00
w-22b.d	10/22 01:10 PM	Pentafluorobenzene	2136603/ 9.30	1.067/-0.02
		1,4-Difluorobenzene	3790788/10.73	1.043/ 0.01
		Chlorobenzene-D5	1966891/15.22	1.040/ 0.01
		1,4-Dichlorobenzene-D4	2066250/18.92	1.033/ 0.00
0731401.d	10/22 01:45 PM	Pentafluorobenzene	2101379/ 9.31	1.050/-0.01
		1,4-Difluorobenzene	3753572/10.73	1.033/ 0.01
		Chlorobenzene-D5	1951029/15.21	1.032/ 0.00
		1,4-Dichlorobenzene-D4	2036573/18.92	1.018/ 0.00
0731501.d	10/22 02:19 PM	Pentafluorobenzene	2196104/ 9.30	1.097/-0.02
		1,4-Difluorobenzene	3827295/10.73	1.053/ 0.01
		Chlorobenzene-D5	1967605/15.21	1.041/ 0.00
		1,4-Dichlorobenzene-D4	2038548/18.91	1.019/-0.01
0728002.d	10/22 03:18 PM	Pentafluorobenzene	2228215/ 9.31	1.113/-0.01
		1,4-Difluorobenzene	4057710/10.73	1.116/ 0.01
		Chlorobenzene-D5	2086030/15.21	1.104/ 0.00
		1,4-Dichlorobenzene-D4	2225753/18.91	1.113/-0.01
0728501r.d	10/22 03:52 PM	Pentafluorobenzene	1922686/ 9.30	0.960/-0.02
		1,4-Difluorobenzene	3533278/10.72	0.972/ 0.00
		Chlorobenzene-D5	1824711/15.21	0.965/ 0.00
		1,4-Dichlorobenzene-D4	1866633/18.91	0.933/-0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
w-22c.d	10/22 04:28 PM	Pentafluorobenzene	2260612/ 9.30	1.129/-0.02
		1,4-Difluorobenzene	3849219/10.72	1.059/ 0.00
		Chlorobenzene-D5	2002907/15.21	1.060/ 0.00
		1,4-Dichlorobenzene-D4	1946170/18.92	0.973/ 0.00
0727201r.d	10/22 05:02 PM	Pentafluorobenzene	2202593/ 9.31	1.100/-0.01
		1,4-Difluorobenzene	3690218/10.73	1.015/ 0.01
		Chlorobenzene-D5	1909885/15.22	1.010/ 0.01
		1,4-Dichlorobenzene-D4	1874719/18.94	0.937/ 0.02
0727502r.d	10/22 05:37 PM	Pentafluorobenzene	2197700/ 9.29	1.098/-0.03
		1,4-Difluorobenzene	3860923/10.71	1.062/-0.01
		Chlorobenzene-D5	1943239/15.19	1.028/-0.02
		1,4-Dichlorobenzene-D4	1914423/18.90	0.957/-0.02
0727504r.d	10/22 06:14 PM	Pentafluorobenzene	2175305/ 9.30	1.086/-0.02
		1,4-Difluorobenzene	3792111/10.71	1.043/-0.01
		Chlorobenzene-D5	1926811/15.20	1.019/-0.01
		1,4-Dichlorobenzene-D4	1898865/18.90	0.949/-0.02
0727507r.d	10/22 06:49 PM	Pentafluorobenzene	2189856/ 9.30	1.094/-0.02
		1,4-Difluorobenzene	3778140/10.72	1.039/ 0.00
		Chlorobenzene-D5	1953677/15.19	1.033/-0.02
		1,4-Dichlorobenzene-D4	1938229/18.90	0.969/-0.02
0727508r.d	10/22 07:22 PM	Pentafluorobenzene	2159526/ 9.29	1.079/-0.03
		1,4-Difluorobenzene	3704428/10.72	1.019/ 0.00
		Chlorobenzene-D5	1943647/15.20	1.028/-0.01
		1,4-Dichlorobenzene-D4	1935816/18.91	0.968/-0.01
0726901r.d	10/22 07:59 PM	Pentafluorobenzene	2013072/ 9.29	1.005/-0.03
		1,4-Difluorobenzene	3685343/10.71	1.014/-0.01
		Chlorobenzene-D5	1882686/15.19	0.996/-0.02
		1,4-Dichlorobenzene-D4	1871699/18.91	0.936/-0.01
0728002d.d	10/22 08:33 PM	Pentafluorobenzene	2221421/ 9.28	1.109/-0.04
		1,4-Difluorobenzene	3915867/10.71	1.077/-0.01
		Chlorobenzene-D5	2018272/15.18	1.068/-0.03
		1,4-Dichlorobenzene-D4	2058337/18.89	1.029/-0.03
0726501.d	10/22 09:07 PM	Pentafluorobenzene	2135961/ 9.28	1.067/-0.04
		1,4-Difluorobenzene	3739917/10.71	1.029/-0.01
		Chlorobenzene-D5	1933739/15.20	1.023/-0.01
		1,4-Dichlorobenzene-D4	1873036/18.92	0.936/ 0.00
0726504.d	10/22 09:41 PM	Pentafluorobenzene	2271923/ 9.29	1.135/-0.03
		1,4-Difluorobenzene	4023543/10.70	1.107/-0.02
		Chlorobenzene-D5	2117047/15.19	1.120/-0.02
		1,4-Dichlorobenzene-D4	2104435/18.89	1.052/-0.03
0726502.d	10/22 10:15 PM	Pentafluorobenzene	2186798/ 9.29	1.092/-0.03
		1,4-Difluorobenzene	3769138/10.70	1.037/-0.02
		Chlorobenzene-D5	1949498/15.18	1.031/-0.03
		1,4-Dichlorobenzene-D4	1930609/18.89	0.965/-0.03
gas_002.d	10/22 10:49 PM	Pentafluorobenzene	2163012/ 9.28	1.080/-0.04
		1,4-Difluorobenzene	3869687/10.71	1.065/-0.01
		Chlorobenzene-D5	1966270/15.18	1.040/-0.03
		1,4-Dichlorobenzene-D4	1989497/18.89	0.995/-0.03
0728002m.d	10/22 11:23 PM	Pentafluorobenzene	2119705/ 9.28	1.059/-0.04
		1,4-Difluorobenzene	3732873/10.70	1.027/-0.02
		Chlorobenzene-D5	1894508/15.18	1.002/-0.03
		1,4-Dichlorobenzene-D4	1945759/18.89	0.973/-0.03
lcs-w22a.d	10/22 11:57 PM	Pentafluorobenzene	2220779/ 9.28	1.109/-0.04
		1,4-Difluorobenzene	3904352/10.70	1.074/-0.02
		Chlorobenzene-D5	1995996/15.17	1.056/-0.04
		1,4-Dichlorobenzene-D4	2012319/18.89	1.006/-0.03

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	Run Time	ISD Compound	Area/RT	Ratio/Diff.
spcc23a.d	10/23 12:31 AM	Pentafluorobenzene	2146414/ 9.28	1.000/ 0.00
		1,4-Difluorobenzene	3808059/10.69	1.000/ 0.00
		Chlorobenzene-D5	1948582/15.18	1.000/ 0.00
		1,4-Dichlorobenzene-D4	1966552/18.90	1.000/ 0.00
lcs-w23a.d	10/23 01:05 AM	Pentafluorobenzene	2178883/ 9.27	1.015/-0.01
		1,4-Difluorobenzene	3806254/10.70	1.000/ 0.01
		Chlorobenzene-D5	1918851/15.18	0.985/ 0.00
		1,4-Dichlorobenzene-D4	1923072/18.89	0.978/-0.01
0729801m.d	10/23 01:40 AM	Pentafluorobenzene	2258922/ 9.28	1.052/ 0.00
		1,4-Difluorobenzene	3873957/10.71	1.017/ 0.02
		Chlorobenzene-D5	1984522/15.19	1.018/ 0.01
		1,4-Dichlorobenzene-D4	2063564/18.90	1.049/ 0.00
w-23b.d	10/23 02:14 AM	Pentafluorobenzene	2218453/ 9.27	1.034/-0.01
		1,4-Difluorobenzene	3833623/10.70	1.007/ 0.01
		Chlorobenzene-D5	1901517/15.18	0.976/ 0.00
		1,4-Dichlorobenzene-D4	1944117/18.91	0.989/ 0.01
blk-w23a.d	10/23 02:48 AM	Pentafluorobenzene	2215669/ 9.27	1.032/-0.01
		1,4-Difluorobenzene	3861441/10.69	1.014/ 0.00
		Chlorobenzene-D5	1956464/15.19	1.004/ 0.01
		1,4-Dichlorobenzene-D4	1952553/18.91	0.993/ 0.01
0729801.d	10/23 03:23 AM	Pentafluorobenzene	2189161/ 9.29	1.020/ 0.01
		1,4-Difluorobenzene	3791058/10.70	0.996/ 0.01
		Chlorobenzene-D5	1950127/15.19	1.001/ 0.01
		1,4-Dichlorobenzene-D4	1887964/18.91	0.960/ 0.01
0729801d.d	10/23 03:56 AM	Pentafluorobenzene	2220454/ 9.28	1.034/ 0.00
		1,4-Difluorobenzene	3826137/10.70	1.005/ 0.01
		Chlorobenzene-D5	1955416/15.19	1.004/ 0.01
		1,4-Dichlorobenzene-D4	1903909/18.91	0.968/ 0.01
0729001.d	10/23 04:30 AM	Pentafluorobenzene	2083543/ 9.28	0.971/ 0.00
		1,4-Difluorobenzene	3640232/10.70	0.956/ 0.01
		Chlorobenzene-D5	1810895/15.17	0.929/-0.01
		1,4-Dichlorobenzene-D4	1835432/18.90	0.933/ 0.00
0729002.d	10/23 05:04 AM	Pentafluorobenzene	2240916/ 9.28	1.044/ 0.00
		1,4-Difluorobenzene	3861384/10.70	1.014/ 0.01
		Chlorobenzene-D5	1952452/15.19	1.002/ 0.01
		1,4-Dichlorobenzene-D4	1856408/18.91	0.944/ 0.01
0729003.d	10/23 05:39 AM	Pentafluorobenzene	2217562/ 9.28	1.033/ 0.00
		1,4-Difluorobenzene	3784992/10.70	0.994/ 0.01
		Chlorobenzene-D5	1967366/15.18	1.010/ 0.00
		1,4-Dichlorobenzene-D4	1940039/18.89	0.987/-0.01
0729004.d	10/23 06:13 AM	Pentafluorobenzene	2179732/ 9.27	1.016/-0.01
		1,4-Difluorobenzene	3861308/10.69	1.014/ 0.00
		Chlorobenzene-D5	2001413/15.18	1.027/ 0.00
		1,4-Dichlorobenzene-D4	1949496/18.90	0.991/ 0.00
0729005.d	10/23 06:47 AM	Pentafluorobenzene	2145080/ 9.27	0.999/-0.01
		1,4-Difluorobenzene	3801760/10.69	0.998/ 0.00
		Chlorobenzene-D5	1876874/15.18	0.963/ 0.00
		1,4-Dichlorobenzene-D4	1762513/18.90	0.896/ 0.00
0729006.d	10/23 07:21 AM	Pentafluorobenzene	2218888/ 9.28	1.034/ 0.00
		1,4-Difluorobenzene	3938267/10.69	1.034/ 0.00
		Chlorobenzene-D5	1995790/15.17	1.024/-0.01
		1,4-Dichlorobenzene-D4	1977568/18.89	1.006/-0.01
0729007.d	10/23 07:56 AM	Pentafluorobenzene	2088216/ 9.27	0.973/-0.01
		1,4-Difluorobenzene	3649166/10.69	0.958/ 0.00
		Chlorobenzene-D5	1900810/15.17	0.975/-0.01
		1,4-Dichlorobenzene-D4	1873585/18.89	0.953/-0.01

Form 8: Internal Standard Area and Retention Time Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 011019al.1
Heated Purge: Yes

Filename	*Run Time*	*ISD Compound*	*Area/RT*	*Ratio/Diff.*
0729802.d	10/23 08:29 AM	Pentafluorobenzene	2168511/ 9.27	1.010/-0.01
		1,4-Difluorobenzene	3820844/10.69	1.003/ 0.00
		Chlorobenzene-D5	1952681/15.17	1.002/-0.01
		1,4-Dichlorobenzene-D4	1883280/18.90	0.958/ 0.00
0729803.d	10/23 09:03 AM	Pentafluorobenzene	2152667/ 9.27	1.003/-0.01
		1,4-Difluorobenzene	3704883/10.69	0.973/ 0.00
		Chlorobenzene-D5	1959054/15.18	1.005/ 0.00
		1,4-Dichlorobenzene-D4	1887478/18.90	0.960/ 0.00
0729901.d	10/23 09:37 AM	Pentafluorobenzene	2084887/ 9.28	0.971/ 0.00
		1,4-Difluorobenzene	3709562/10.69	0.974/ 0.00
		Chlorobenzene-D5	1905676/15.17	0.978/-0.01
		1,4-Dichlorobenzene-D4	1724051/18.90	0.877/ 0.00
0729902.d	10/23 10:13 AM	Pentafluorobenzene	2195847/ 9.27	1.023/-0.01
		1,4-Difluorobenzene	3827065/10.70	1.005/ 0.01
		Chlorobenzene-D5	1962967/15.18	1.007/ 0.00
		1,4-Dichlorobenzene-D4	1911153/18.90	0.972/ 0.00
0730001.d	10/23 10:47 AM	Pentafluorobenzene	2175561/ 9.27	1.014/-0.01
		1,4-Difluorobenzene	3668866/10.69	0.963/ 0.00
		Chlorobenzene-D5	1919143/15.18	0.985/ 0.00
		1,4-Dichlorobenzene-D4	1832366/18.90	0.932/ 0.00
0730101.d	10/23 11:21 AM	Pentafluorobenzene	2124680/ 9.27	0.990/-0.01
		1,4-Difluorobenzene	3690158/10.69	0.969/ 0.00
		Chlorobenzene-D5	1917510/15.17	0.984/-0.01
		1,4-Dichlorobenzene-D4	1831543/18.90	0.931/ 0.00

KEY:
[Area/RT]: Absolute area (counts) and absolute retention time (minutes) of internal standard
[Ratio/Diff]: Ratio of internal standard areas and difference between internal standard retention times (minutes)

CONTROL LIMITS:
Area UCL/LCL = 50% to 200% of internal standard area
RT UCL/LCL = +/- 0.5 minutes of internal standard RT