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Golder Associates

SUBSURFACE INVESTIGATION

QUEENY UTILITY CORRIDOR INVESTIGATION SAUGET, ILLINOIS

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1.0 INTRODUCTION

This report summarizes the Utility Corridor Subsurface Investigation activities performed at the Area 1 site in Sauget, Illinois. The subsurface investigation work was performed in accordance with the Sauget Area 1 Utility Corridor Investigations Sampling Plan dated March 22, 2007 which was approved by the U.S. Environmental Protection Agency (USEPA) on May 17, 2007.

Eight direct-push boreholes were advanced along the north and south sides of Queeny Avenue within Sauget Area 1 on June 7, 2007 (Figure 1). There were four boreholes on each side of the road, spaced approximately 100 feet apart. Four locations were vacuum excavated (air knifed) to confirm that the direct-push sample locations were located a safe distance from the buried utilities (Figure 1). The boreholes were advanced to the water table unless waste was encountered first. If waste was encountered, the borehole was continued to the bottom of the waste or to the water table, whichever was shallower. Boreholes Queeny-2, Queeny-4 and Queeny-6 were advanced to the water table before reaching the bottom of waste. These borings were terminated at the water table. Samples were collected throughout the depth of the borehole and stratigraphic logs were prepared for each borehole and included as Appendix A. The sampling was conducted using four-foot long, 2-inch diameter macrosamplers advanced by a direct-push rig. This report summarizes the work performed during the subsurface investigation, and includes attached figures, tables and appendices.

2.0 SUBSURFACE SAMPLING ACTIVITIES

2.1 Vacuum Excavating (Air Knifing)

Drilling equipment was provided and operated by Roberts Environmental Drilling, Inc. (REDI) of Millstadt, Illinois under the direct supervision of Golder. Four exploratory holes were advanced with vacuum excavating to ensure the boreholes locations were a safe distance from the underground utilities. Three of the test holes were advanced on the south side of Queeny Avenue along the Site H boundary and one test hole was advanced along the north side of Queeny Avenue. The vacuum excavation holes were advanced to a depth of approximately 5 feet by loosening the soil with pressurized air while vacuuming the cuttings. The cuttings were collected in a 55-gallon steel drum and transported to the Judith Lane facility for storage. The four exploratory holes were backfilled with granular bentonite.

A photoionization detector (PID) reading was taken at each air knife boring near the surface. Of the four test holes advanced, one location between boreholes Queeny-1 and Queeny-2 had an elevated reading (30 ppm) while the other three had readings of 0 ppm.

The borehole locations on the north side of Queeny Avenue were approximately in line with the utility poles. It is not likely that underground utilities would be located beneath the line of

aboveground utility poles, so boreholes placed in line with the aboveground utility poles would not be likely to contact any underground utility lines.

2.2 Direct-Push Borings

Eight direct-push boreholes were advanced along the north and south sides of Queeny Avenue. The locations were approximately 100 feet apart with four boreholes on each side of the road (Figure 1). The utility lines were marked by the appropriate utilities prior to any site work. From east to west, the four boreholes located on the south side of Queeny Avenue were labeled Queeny-1 through Queeny-4. The four boreholes located on the north side were labeled Queeny-5 through Queeny-8 from west to east. Drilling equipment was provided and operated by Roberts Environmental Drilling, Inc. (REDI) of Millstadt, Illinois under the direct supervision of Golder. A Geoprobe® 540mt was used to advance the boreholes. Samples were collected throughout the depth of the boring and stratigraphic logs were prepared for each boring. The sampling was conducted using four-foot long, 2-inch diameter macrosamplers advanced by a direct-push rig. The cuttings were collected in a 55-gallon steel drum and transported to the Judith Lane facility for storage. The eight boreholes were backfilled with granular bentonite.

Boring locations were surveyed by Zahner and Associates Inc. (Zahner) of Perryville, Missouri. Zahner provided a site plan with boring locations (Figure 1).

2.3 Soil Sampling

A sample in the depth interval of one to three feet below the deepest utility line was selected for laboratory analyses. Golder contacted the utility companies regarding the depths of the utilities in the investigation area. Representatives from Explorer Pipeline and Ameren provided approximate depths for their utilities. A representative for the gas line was present during the investigation. All of the samples were screened with the PID and if elevated PID readings above background readings were obtained, a second sample was selected from the location of the highest PID reading. If obvious discoloration was observed in the soil core, a sample was selected from that location for analysis. A total of 13 samples were collected with at least one sample collected per borehole. Samples were labeled with the borehole number and the depths to the top and bottom of the sample interval. For example, Queeny-1 4-8' was collected from Queeny-1 in the depth interval between 4 and 8 feet below ground surface (bgs).

Soil samples were labeled, placed in pre-preserved laboratory-supplied sample containers, and packed in ice and transported to STL-Savannah Laboratory via Federal Express for analysis (standard turnaround time) according to the approved plans. Quality assurance/quality control (QA/QC) samples consisted of one matrix spike/matrix spike duplicate of Queeny-1 8-15' and one field duplicate sample from Queeny-5 4-8'. As specified in Table 1 of the Sauget Area 1 EE/CA and RI/FS Support Sampling Plan, Field Sampling Plan, and Quality Assurance Project Plan, the following laboratory tests and methods were performed on the soil samples and associated QA/QC samples:

- Volatile organic compounds (VOCs) (USEPA Method 8260B);
- Semi-volatile organic compounds (SVOCs) (USEPA Method 8270C);
- Metals (USEPA Method 6010B);
- Mercury (USEPA Method 7471);
- Cyanide (USEPA Method 9010B/9012A);
- Organochlorine pesticides (USEPA Method 8081A);
- Organochlorine herbicides (USEPA Method 8151A);
- Polychlorinated biphenyls (PCBs) (USEPA Method 8282); and
- Dioxins (USEPA Method 8280A).

Field work was conducted wearing Level D personal protective equipment and work was performed in accordance with our existing health and safety plan for Area 1. Minor modifications were made to the health and safety plan to account for the current soil sampling investigation. The breathing zones of field personnel were monitored with a PID for health and safety purposes. PID readings in the breathing zones did not exceed the action level.

All boreholes were backfilled with bentonite upon completion of the borehole. All downhole sampling equipment was decontaminated using a potable water and Alconox™ solution followed by a deionized water rinse. The sampling equipment was decontaminated upon reaching the site, between sample locations, and prior to demobilizing offsite. All soil cuttings, decontamination water, and personal protective equipment (IDW) were containerized in 55-gallon steel drums, labeled according to contents, and moved to the site IDW storage area at the Solutia Judith Lane site.

3.0 UTILITY CORRIDOR SAMPLE RESULTS

As mentioned, thirteen (13) samples were collected using direct push methods. One field duplicate was collected of sample Queeny-5 4-8' and the matrix spike/matrix spike duplicate (MS/MSD) was collected from sample Queeny-1 8-15'. Samples were analyzed for VOCs, SVOCs, organochlorine pesticides, organochlorine herbicides, metals, cyanide, PCBs, and dioxins. Samples were analyzed using the methods, procedure, and protocols included in the Sauget Area 1 EE/CA and RI/FS Support Sampling Plan, Field Sampling Pan, and Quality Assurance Project Plan approved by USEPA on September 9, 1999.

Data validation was performed following the general guidelines of Section 9.2 of the Quality Assurance Project Plan, Sauget Area 1 Support Sampling Project, Sauget and Cahokia, Illinois, Volume 2. A summary of validated analytical results are included in Tables 1 and 2, and laboratory analytical reports are attached as Appendix B.

Tables 1 and 2 present a summary of detected compounds for each of the 13 samples. In general, the highest concentrations for all compound classes were located in both the shallow and deep samples collected from locations Queeny-2, Queeny-3, and Queeny-4 (south side of Queeny Avenue). A summary of the detections for each compound class is presented below. A human health risk assessment will be performed in accordance with Section 4 of the Work Plan and will be submitted under separate cover.

VOCs

VOCs were detected in all thirteen samples. The compounds detected included benzene, ethylbenzene, toluene, xylene, acetone, 2-butanone, chlorobenzene, and carbon disulfide.

SVOCs

SVOCs were detected in eleven of thirteen samples samples. The primary compounds detected included polyaromatic hydrocarbons (PAHs), chlorinated aromatics, phthalates, chlorinated phenols, phenol, carbazole, and 2,2'-Oxybis(1-chloropropane) (see Table 1 for a complete list).

Organochlorine Pesticides and PCBs

Organochlorine pesticides and PCBs were detected in twelve of the thirteen samples. The compounds detected included 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan sulfate, Endrin, Endrin ketone, Araclor-1248, Araclor-1254, and Araclor-1260.

Chlorinated Herbicides

Pentachlorophenol was the only chlorinated herbicide detected in the samples.

Dioxins

Dioxins were detected in ten of thirteen samples and at all locations except for Queeny-5 and Queeny-8.

Mercury

Mercury was detected at low concentrations in all of the thirteen samples.

Cyanide

Cyanide was detected at low concentrations in eight of thirteen samples,

Metals

Metals results are shown in Table 2.

4.0 SIGNATURES

Please contact us if you have any questions regarding this work or require additional information.

Sincerely,

GOLDER ASSOCIATES INC.

Amanda W. Gilbertson, Ph.D
Staff Environmental Engineer

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Principal and Senior Consultant

TABLES

Table 1
Summary of Validated Soil Sample Detections - Organics
Queeny Avenue Utility Corridor
Solutia, Inc. - Sauget, Illinois

Sample		QUEENY-1 4-8'	MDL	QUEENY-1 8-15'	MDL	QUEENY-2 4-8'	MDL	QUEENY-2 8-15'	MDL	QUEENY-3 0-4'	MDL	QUEENY-3 4-8'	MDL	QUEENY-3 8-15'	MDL	QUEENY-4 1.8-5'	MDL	QUEENY-4 8-12'	MDL	QUEENY-5 4-8'	MDL	QUEENY-6 4-8'	MDL	QUEENY-7 4-8'	MDL	QUEENY-8 4-6.9'	MDL
Lab Sample ID		680-27416-12		680-27416-13		680-27416-10		680-27416-11		680-27416-9		680-27416-7		680-27416-8		680-27416-5		680-27416-6		680-27416-4		680-27416-3		680-27416-2		680-27416-1	
Date Sampled		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007	
Time Sampled		11:10		11:35		11:40		12:05		12:10		12:15		12:30		13:10		13:30		13:50		14:15		14:50		15:15	
Volatile Organic Compounds (USEPA Method 8260B)																											
Date Analyzed		6/21/2007		6/18/2007		6/19/2007		6/20/2007		6/19/2007		6/18/2007		6/18/2007		6/19/2007		6/19/2007		6/19/2007		6/19/2007		6/19/2007		6/20/2007	
Analyte	CAS No.	(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)	
2-Butanone	78-93-3	**49** J	6.3	1,700 U	180	**94**	5.4	6,100 U	660	**11** J	4.6	1,900 U	200	2800 U	300	3,100 U	340	3,300 U	360	**15** J	3.7	**12** J	4.0	**10** J	4.8	**37** U	4.0
Acetone	67-64-1	**180** JB	10	3,300 U	290	**620**	8.9	2,900 J	1100	**200**	7.5	3,700 U	330	1,800 J	480	**2,400** J	550	2,500 J	580	**200**	6.0	**170**	6.5	**93**	7.8	**50** J	6.5
Benzene	71-43-2	**24**	1.8	330 U	52	**900** JD	1.6	**230,000** JD	190	**25**	1.3	**2,600** J	59	31,000 JD	87	**9,100**	98	**50,000** JD	100	**4.2** J	1.1	**4.0** J	1.2	8.8 U	1.4	**3.1** J	1.2
Carbon disulfide	75-15-0	**3.2** J	1.2	330 U	34	**16**	1.0	1,200 U	120	**2.1** J	0.87	370 U	38	550 U	56	620 U	63	660 U	68	6.8 U	0.69	**1.9** J	0.75	8.8 U	0.9	**6.2** J	0.8
Chlorobenzene	108-90-7	**160**	1.7	**920**	48	**27,000** D	1.5	**6,800,000** JD	180	**42,000** JD	1.2	**160,000** JD	55	**810,000** JD	80	**460,000** JD	91	**1,200,000** JD	97	**110**	0.99	**140**	1.1	**13**	1.3	**6.7** J	1.1
Ethylbenzene	100-41-4	**11** J	1.7	330 U	50	**62**	1.5	**26,000** J	180	8.5 U	1.3	**380**	56	**6,900**	83	**700**	93	**5,400**	99	6.8 U	1.0	7.4 U	1.1	8.8 U	1.3	7.4 U	1.1
Toluene	108-88-3	**9.9** J	1.8	**180** J	52	**6.6** J	1.6	**9,200** J	190	8.5 U	1.3	**100** J	59	300 J	87	**840**	98	**650** J	100	6.8 U	1.1	7.4 U	1.2	8.8 U	1.4	**4.8** J	1.2
Xylenes, Total	1330-20-7	**32**	5.3	660 U	150	**110**	4.6	**26,000** J	560	17 U	3.9	**250** J	170	**4,700**	250	**950** J	290	**6,600**	300	14 U	3.1	15 U	3.4	18 U	4.1	15 U	3.4
Semi-Volatile Organic Compounds (USEPA Method 8270C)																											
Date Prepared		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007	
Date Analyzed		6/21/2007		6/21/2007		6/27/2007		6/21/2007		6/21/2007		7/5/2007		6/27/2007		6/21/2007		7/5/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007	
Analyte	CAS No.	(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)	
1,2,4-Trichlorobenzene	120-82-1	4,000 UJ	200	**430** J	200	**620** J	210	**5,200** J	230	**450**	20	**180,000** JD	98	**23,000** J	120	**21,000** J	200	**1,200** J	470	380 U	20	**190** J	19	**1,300**	20	400 U	21
1,2-Dichlorobenzene	95-50-1	4,000 UJ	200	3,900 UJ	200	**370** J	210	**4,900** J	230	**1,400**	20	**24,000** J	98	**7,000** J	120	**1,400** J	200	**1,600** J	470	380 U	20	**52** J	19	**89** J	20	400 U	21
1,3-Dichlorobenzene	541-73-1	4,000 UJ	400	3,900 UJ	390	**1,000** J	410	**2,900** J	440	**1,000**	39	**1,400** J	190	**2,200** J	230	**3,200** J	390	**2,400** J	920	380 U	38	**88** J	38	**250** J	39	400 U	40
1,4-Dichlorobenzene	106-46-7	4,000 UJ	200	3,900 UJ	200	**3,500** J	210	**15,000** J	230	**12,000** D	20	**90,000** JD	98	**34,000** J	120	**16,000** J	200	**18,000** J	470	380 U	20	**540**	19	**470**	20	400 U	21
2,4,6-Trichlorophenol	88-06-2	**2,100** J	810	3,900 UJ	800	4,100 UJ	830	4,400 UJ	890	390 U	79	**35,000** J	390	**3,400** J	480	3,900 UJ	790	9,200 UJ	1900	380 U	78	380 U	76	390 U	79	400 U	82
2,2'-oxybis[1-chloropropane]	108-60-1	4,000 UJ	200	3,900 UJ	200	4,100 UJ	210	4,400 UJ	230	390 U	20	**1,900** J	98	2300 UJ	120	3,900 UJ	200	9,200 UJ	470	380 U	20	380 U	19	390 U	20	400 U	21
2-Methylnaphthalene	91-57-6	**470** J	200	**16,000** J	200	4,100 UJ	210	**1,900** J	230	**72** J	20	**230** J	98	**150** J	120	**990** J	200	**600** J	470	380 U	20	380 U	19	390 U	20	400 U	21
4-Chloroaniline	106-47-8	7,900 UJ	200	7,800 UJ	200	**550** J	210	**7,500** J	230	**230** J	20	**250** J	98	**4,500** J	120	7,800 UJ	200	**20,000** J	470	770 U	20	**860**	19	780 U	20	800 U	21
Acenaphthene	83-32-9	**420** J	200	**1,500** J	200	4,100 UJ	210	**360** J	230	**58** J	20	1,900 UJ	98	2300 UJ	120	**1,700** J	200	9,200 UJ	470	380 U	20	380 U	19	390 U	20	400 U	21
Acenaphthylene	208-96-8	4,000 UJ	200	3,900 UJ	200	4,100 UJ	210	4,400 UJ	230	**190** J	20	1,900 UJ	98	2300 UJ	120	3,900 UJ	200	9,200 UJ	470	380 U	20	380 U	19	390 U	20	400 U	21
Anthracene	120-12-7	**380** J	200	**1,500** J	200	**240** J	210	4,400 UJ	230	**320** J	20	1,900 UJ	98	**130** J	120	**1,700** J	200	9,200 UJ	470	380 U	20	380 U	19	390 U	20	400 U	21
Benzo[a]anthracene	56-55-3	**1,100** J	400	**2,500** J	390	**830** J	410	4,400 UJ	440	**1,200**	39	**510** J	190	**730** J	230	3,900 UJ	390	9,200 UJ	920	380 U	38	380 U	38	**89** J	39	400 U	40
Benzo[a]pyrene	50-32-8	4,000 UJ	200	**2,600** J	200	4,100 UJ	210	**1,200** J	230	**1,100**	20	**370** J	98	**540** J	120	**440** J	200	9,200 UJ	470	380 U	20	380 U	19	**110** J	20	400 U	21
Benzo[b]fluoranthene	205-99-2	4,000 UJ	200	3,900 UJ	200	4,100 UJ	210	4,400 UJ	230	**1,200**	20	**570** J	98	2,300 UJ	120	**590** J	200	9,200 UJ	470	380 U	20	380 U	19	**110** J	20	400 U	21
Benzo[g,h,i]perylene	191-24-2	**760** J	290	3,900 UJ	290	4,100 UJ	300	4,400 UJ	320	**760**	28	**290** J	140	**420** J	170	3,900 UJ	280	9,200 UJ	670	380 U	28	380 U	27	**67** J	28	400 U	29
Benzo[k]fluoranthene	207-08-9	4,000 UJ	200	3,900 UJ	200	4,100 UJ	210	4,400 UJ	230	**670**	20	**290** J	98	2,300 UJ	120	**500** J	200	9,200 UJ	470	380 U	20	380 U	19	**55** J	20	400 U	21
Bis(2-ethylhexyl) phthalate	117-81-7	4,000 UJ	380	3,900 UJ	380	**430** J	400	4,400 UJ	430	**72** J	38	1,900 UJ	180	**450** J	230	3,900 UJ	380	**22,000** J	890	380 U	37	380 U	36	390 U	38	400 U	39
Butyl benzyl phthalate	85-68-7	4,000 UJ	200	3,900 UJ	200	4,100 UJ	210	4,400 UJ	230	**62** J	20	1,900 UJ	98	2,300 UJ	120	3,900 UJ	200	9,200 UJ	470	380 U	20	380 U	19	U	20	400 U	21
Carbazole	86-74-8	4,000 UJ	200	3,900 UJ	200	4,100 UJ	210	4,400 UJ	230	**84** J	20	1,900 UJ	98	2,300 UJ	120	3,900 UJ	200	9,200 UJ	470	380 U	20	380 U	19	**56** J	20	400 U	21
Chrysene	218-01-9	**3,400** J	200	**6,300** J	200	**910** J	210	4,400 UJ	230	**1,300**	20	**570** J	98	**1,300** J	120	3,900 UJ	200	**540** J	470	380 U	20	380 U	19	**190** J	20	400 U	21
Dibenz(a,h)anthracene	53-70-3	4000 UJ	290	3,900 UJ	290	4100 UJ	300	4,400 UJ	320	**260** J	28	1,900 UJ	140	2,300 UJ	170	3,900 UJ	280	9,200 UJ	670	380 U	28	380 U	27	390 U	28	400 U	29
Dibenzofuran	132-64-9	4,000 UJ	200	**940** J	200	4,100 UJ	210	**470** J	230	**59** J	20	1,900 UJ	98	2,300 UJ	120	**2,100** J	200	9,200 UJ	470	380 U	20	380 U	19	390 U	20	400 U	21
Diethyl phthalate	84-66-2	4,000 UJ	220	3,900 UJ	210	4,100 UJ	220	**1,800** J	240	390 U	21	**1,500** J	100	**640** J	130	3,900 UJ	210	**1,500** J	500	380 U	21	380 U	20	390 U	21	400 U	22
Di-n-butyl phthalate	84-74-2	4,000 UJ	200	3,900 UJ	200	4,100 UJ	210	4,400 UJ	230	**23** J	20	1,900 UJ	98	2,300 UJ	120	3,900 UJ	200	**1,000** J	470	380 U	20	380 U	19	390 U	20	400 U	21
Fluoranthene	206-44-0	**1,600** J	200	3,900 UJ	200	**1,400** J	210	**4,100** J	230	**3,000** J	20	**810** J	98	**510** J	120	**4,100** J	200	**950** J	470	380 U	20	**27** J	19	**150** J	20	400 U	21
Fluorene	86-73-7	**400** J	240	**2,300** J	240	**410** J	250	4,400 UJ	270	**88** J	24	1,900 UJ	110	2,300 UJ	140	**1,500** J	240	9,200 UJ	560	380 U	23	**39** J	23	390 U	24	400 U	24
Hexachlorobenzene	118-74-1	4,000 UJ	240	3,900 UJ	240	4,100 UJ	250	**46,000** J	270	**79** J	24	**31,000** J	110	**1,800** J	140	**3,000** J	240	9,200 UJ	560	380 U	23	380 U	23	390 U	24	400 U	24
Indeno[1,2,3-cd]pyrene	193-39-5	4,000 UJ	350	3,900 UJ	340	4,100 UJ	360	4,400 UJ	390	**750**	34	**240** J	170	2,300 UJ	210	3,900 UJ	340	9,200 UJ	810	380 U	34	380 U	33	**50** J	34	400 U	35
Naphthalene	91-20-3	**3,400** J	200	**2,800** J	200	**280** J	210	**2,600** J	230	**91** J	20	**790** J	98	**3,700** J	120	**14,000** J	200	**46,000** J	470	380 U	20	380 U	19	390 U	20	400 U	21
Pentachlorophenol	87-86-5	20,000 UJ	2,000	20,000 UJ	2,000	21,000 UJ	2,100	**4,600** J	2,300	2,000 U	200	**72,000** JD	980	**9,800** J	1,200	**11,000** J	2,000	47,000 UJ	4,700	2,000 U	200	1,900 U	190	2,000 U	200	2,100 U	210
Phenanthrene	85-01-8	**1,700** J	200	**9,300** J	200	**1,300** J	210	4,400 UJ	230	**1,100**	20	**500** J	98	**1,600** J	120	**4,800** J	200	**1,000** J	470	380 U	20	380 U	19	**74** J	20	400 U	21
Phenol	108-95-2	4,000 UJ	200	3,900 UJ	200	4,100 UJ	210	4,400 UJ	230	390 U	20	1,900 UJ	98	2,300 UJ	120	**910** J	200	**870** J	470	380 U	20	380 U	19	390 U	20	400 U	21
Pyrene	129-00-0	**3,500** J	200	**7,000** J	200	**1,500** J	210	4,400 UJ	230	**1,800**	20	**770** J	98	**2,100** J	120	**2,500** J	200	**690** J	470	380 U	20	**58** J	19	**190** J	20	400 U	21
Organochlorine Pesticides (USEPA Method 8081A)																											
Date Prepared		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007		6/21/2007	
Date Analyzed		6/26/2007		6/26/2007		6/26/2007		6/25/2007		6/25/2007		6/26/2007		6/26/2007		6/25/2007		6/26/2007		6/26/2007		6/25/2007		6/25/2007		6/25/2007	
Analyte	CAS No.	(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)	
4,4'-DDD	72-54-8	39 U	4.3	39 U	4.2	**19,000** JD	45	**940,000** JD	480	**790** JDP	1.7	**16,000** JDP	41	**3,300** JP	51	3,900 U	430	**26,000** JD	50	**19** J	0.42	**73** P	1.7	**33** JP	1.7	**1.8** J	0.44
4,4'-DDE	72-55-9	**21** JP	3.8	39 U	3.8	**410** U	40	**36,000** J	430	**570** JD	1.5	**2,700** JP	37	**1,800** JP	48	**50,000** JP	380	**29,000** JD	44	**10** JP	0.37	**51** JP	1.5	16 U	1.5	**1.7** JP	0.39
4,4'-DDT	50-29-3	39 U	6.2	39 U	6.1	**26,000** JDP	64	**3,600** J	690	**2,700** JD	2.4	**23,000** JDP	59	**5,500** JP	74	**760,000** JD	610	**49,000** JDP	72	**75** JD	0.60	**210** JP	2.4	**230** JP	2.5	4.0 U	0.63
Dieldrin	60-57-1	**6.6** JP	3.7	39 U	3.7	**3,400** JP	38	4,400 U	410	**240** JP	1.5	**3,800** JP	35	**3,900** J	44	**89,000** JDP	370	**24,000** JDP	43	**3.9** JP	0.36	**60** JP	1.4	**85** JP	1.5	0.60 J	0.38
Endosulfan sulfate	1031-07-8	39 U	3.2	39 U	3.2	**410** U	33	4,400 U	360	**130** JP	1.3	380 UJ	31	470 U	39	3,900 U	320	460 U	37	**1.2** JP	0.31	15 U	1.2	16 U	1.3	4.0 U	0.33
Endrin	72-20-8	39 U	4.1	39 U	4.0	410 U	42	4,400 U	450	15 U	1.6	380 UJ	39	470 U	49	3,900 U	400	460 U	47	**17** J	0.39	15 U	1.6	16 U	1.6	4.0 U	0.41
Endrin ketone	53494-70-5	39 U	4.1	39 U	4.0	410 U	42	**730** J	450	15 U	1.6	380 UJ	39	470 U	49	3,900 U	400	460 U	47	**5.2** JP	0.39	15 U	1.6	16 U	1.6	4.0 U	0.41
PCB-1248	12672-29-6	390 U	61	390 U	60	4,100 U	630	44,000 U	6,800	**3,200** J	24	3,800 UJ	580	**920,000** JD	730	**980,000** JD	6,000	**66,000** JD	710	38 U	5.9	**670** J	23	**2,300** J	24	40 U	6.2
PCB-1254	11097-69-1	390 U	27	390 U	27	4,100 U	290	44,000 U	3,100	**11,000** JD	11	**89,000** JP	260	**87,000** JP	330	**3,200,000** JD	2,700	**860,000** JD	320	38 U	2.7	**1,900** J	11	**3,100** J	11	40 U	2.8
PCB-1260	11096-82-5	390 U	57	390 U	57	**88,000** JP	590	44,000 U	6,400	**12,000** JDP	22	**160,000** JP	550	**21,000** JP	680	**4,400,000** JDP	5,700	**540,000** JD	670	**110** J	5.6	**2,100** JP	22	**3,000** J	23	40 U	5.9

Results in **bold** denote detections.

Flags and Qualifiers
U - Analyte was not detected at or above the Method Detection Limit (MDL).
UJ - Analyte was not detected at or above the Method Detection Limit (MDL); the detection limit is estimated.
J - Result is an estimated value.
JP - Result is an estimated value; The lower of the two values is reported when the % difference between the results of two GC columns is greater than 40%.
D - Compound analyzed at a dilution.
PGU
Checked by: PGU Date: 8/9/07
Reviewed by: FMB Date: 8/10/07

Table 1
Summary of Validated Soil Sample Detections - Organics
Queeny Avenue Utility Corridor
Solutia, Inc. - Sauget, Illinois

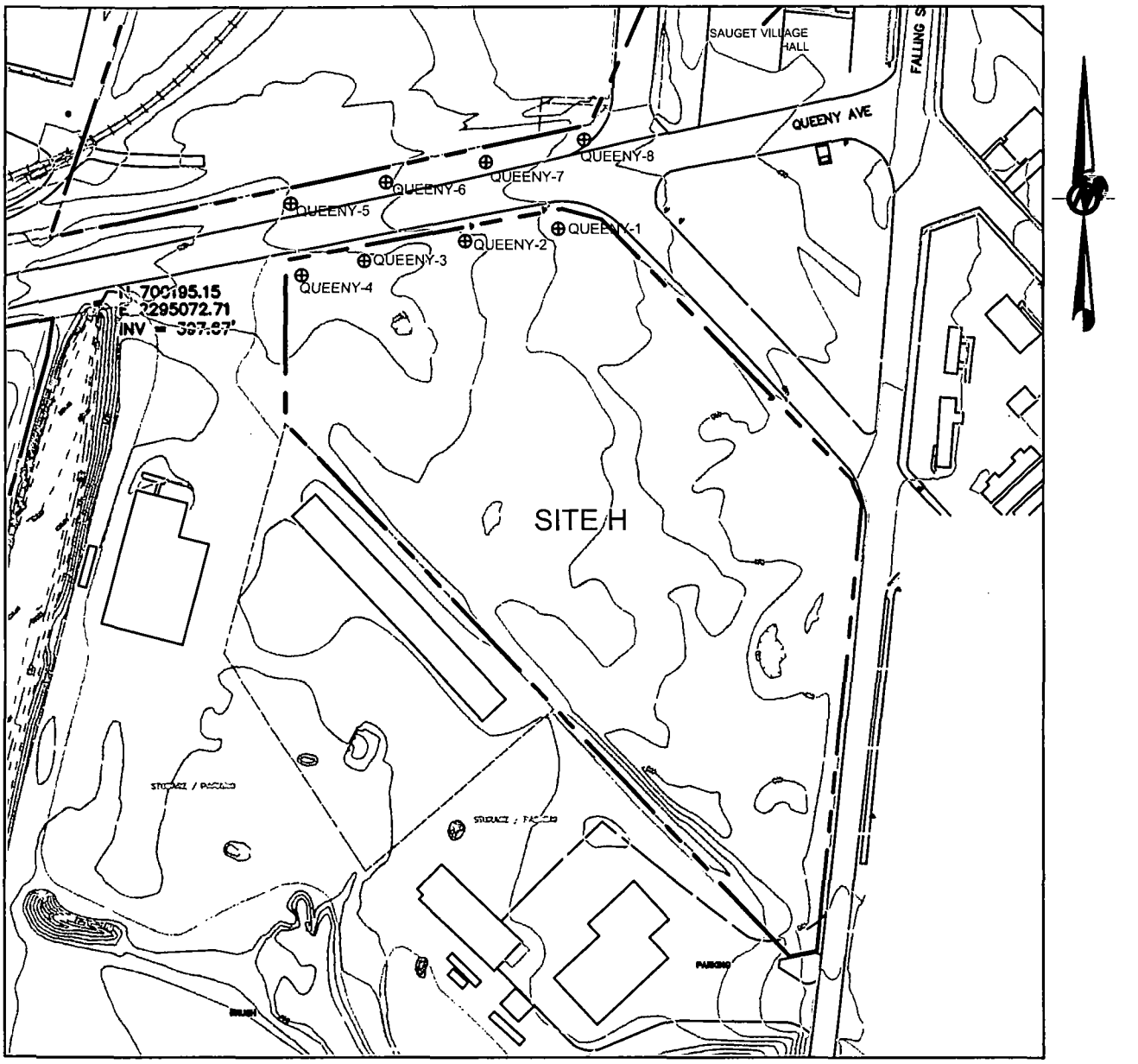
Sample		QUEENY-1 4-8'	MDL	QUEENY-1 8-15'	MDL	QUEENY-2 4-8'	MDL	QUEENY-2 8-15'	MDL	QUEENY-3 0-4'	MDL	QUEENY-3 4-8'	MDL	QUEENY-3 8-15'	MDL	QUEENY-4 1.8-8'	MDL	QUEENY-4 8-12'	MDL	QUEENY-5 4-8'	MDL	QUEENY-6 4-8'	MDL	QUEENY-7 4-8'	MDL	QUEENY-8 4-6.9'	MDL
Lab Sample ID		680-27416-12		680-27416-13		680-27416-10		680-27416-11		680-27416-9		680-27416-7		680-27416-8		680-27416-5		680-27416-6		680-27416-4		680-27416-3		680-27416-2		680-27416-1	
Date Sampled		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007		6/7/2007	
Time Sampled		11:10		11:35		11:40		12:05		12:10		12:15		12:30		13:10		13:30		13:50		14:15		14:50		15:15	
Chlorinated Herbicides (USEPA Method 8151A)																											
Date Prepared		6/11/2007		6/11/2007		6/11/2007		6/11/2007		6/11/2007		6/11/2007		6/11/2007		6/11/2007		6/11/2007		6/11/2007		6/11/2007		6/11/2007		6/11/2007	
Date Analyzed		6/15/2007		6/15/2007		6/22/2007		6/22/2007		6/22/2007		6/22/2007		6/22/2007		6/21/2007		6/22/2007		6/14/2007		6/14/2007		6/14/2007		6/14/2007	
Analyte	CAS No.	(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)	
2,4-D	94-75-7	110 P	1.2	10 U	1.1	100 UJ	12	110 UJ	13	10 U	1.1	1,900 UJ	220	120 UJ	14	97 UJ	11	46 U	5.4	10 U	1.1	10 U	1.1	10 U	1.2	10 U	1.2
2,4-DB	94-82-6	10 U	4.8	10 U	4.7	100 UJ	50	110 UJ	53	10 U	4.7	1,900 UJ	930	120 UJ	57	97 UJ	47	46 U	22	10 U	4.7	10 U	4.6	10 U	4.8	10 U	4.9
2,4,5-T	93-76-5	10 U	2.4	10 U	2.4	100 UJ	25	110 UJ	27	10 U	2.4	1,900 UJ	460	120 UJ	28	97 UJ	23	46 U	11	10 U	2.3	10 U	2.3	10 U	2.4	10 U	2.4
2,4,5-TP (Silvex)	93-72-1	10 U	2.4	10 U	2.4	100 UJ	25	110 UJ	27	10 U	2.4	1,900 UJ	460	120 UJ	28	97 UJ	23	46 U	11	10 U	2.3	10 U	2.3	10 U	2.4	10 U	2.4
Dalapon	75-99-0	400 U	12	390 U	12	4,100 UJ	120	4,400 UJ	130	390 U	12	77,000 UJ	2,300	4,700 UJ	140	3,900 UJ	120	1,800 U	56	380 U	12	380 U	11	400 U	12	400 U	12
Dicamba	1918-00-9	10 U	1.8	10 U	1.8	100 UJ	19	110 UJ	20	10 U	1.8	1,900 UJ	350	120 UJ	21	97 UJ	18	46 U	8	10 U	1.7	10 U	1.7	10 U	1.8	10 U	1.8
Dichlorprop	120-36-5	10 U	2.2	10 U	2.1	100 UJ	22	110 UJ	24	10 U	2.1	1,900 UJ	420	120 UJ	26	97 UJ	21	46 U	10	10 U	2.1	10 U	2.1	10 U	2.2	10 U	2.2
Dinoseb	88-85-7	120 U	17	120 U	17	1,200 UJ	170	1,300 UJ	190	120 U	17	23,000 UJ	3,200	1,400 UJ	200	1,200 UJ	160	560 U	78	120 U	16	110 U	16	120 U	17	120 U	17
MCPA	94-74-6	2,400 U	480	2,400 U	470	25,000 UJ	5,000	27,000 UJ	5,300	2,400 U	470	460,000 UJ	93,000	28,000 UJ	5,700	23,000 UJ	4,700	11,000 U	2,200	2,300 U	470	2,300 U	460	2,400 U	480	2,400 U	490
MCPP	93-65-2	2,400 U	1,000	2,400 U	980	25,000 UJ	10,000	27,000 UJ	11,000	2,400 U	980	460,000 UJ	190,000	28,000 UJ	12,000	23,000 UJ	9,700	11,000 U	4,600	2,300 U	970	2,300 U	950	2,400 U	1,000	2,400 U	1,000
4-Nitrophenol	100-02-7	40 U	9.1	39 U	9.0	410 UJ	95	440 UJ	100	39 U	9.0	7,700 UJ	1,800	470 UJ	110	390 UJ	89	180 U	42	38 U	8.8	38 U	8.7	40 U	9.1	40 U	9.3
Pentachlorophenol	87-86-5	26	1.2	10 U	1.2	2,000 JD	12	7,700 JD	13	61	1.2	79,000 JD	230	9,500 JD	14	8,100 JD	12	660 JD	6	15	1.1	46	1.1	53	1.2	10 U	1.2
Dioxin (USEPA Method 8280A)																											
Date Analyzed		6/24/2007		6/25/2007		6/24/2007		6/24/2007		6/24/2007		6/20/2007		6/24/2007		6/20/2007		6/20/2007		6/20/2007		6/20/2007		6/20/2007		6/20/2007	
Analyte	CAS No.	(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)	
2,3,7,8-TCDD	1746016	ND	0.21	ND	0.14	2.7 J		ND	1.3	ND	0.10	ND	0.48	3.5		ND	1.8	ND	0.36	ND	0.075	ND	0.11	ND	0.038	ND	0.07
Total TCDD	41903575	ND	0.21	ND	0.14	63		ND	1.3	ND	0.10	ND	1.3	3.5		41		ND	0.36	ND	0.075	ND	0.11	ND	0.038	ND	0.07
Total PeCDD	36088229	ND	3.0	ND	3.8	60		ND	1.1	ND	2.8	ND	2.9	ND	2.2	110		ND	1.7	ND	1.1	ND	2.5	ND	0.77	ND	0.98
1,2,3,4,7,8-HxCDD	39227286	ND	5.9	ND	0.43	12 J		ND	2.1	ND	0.61	ND	0.35	ND	1.5	360 J		ND	2.1	ND	0.11	ND	0.47	ND	0.40	ND	0.13
1,2,3,6,7,8-HxCDD	57653857	ND	11	ND	0.54	120		12		ND	0.71	38		14		39		ND	2.2	ND	0.12	ND	1.1	ND	0.43	ND	0.12
1,2,3,7,8,9-HxCDD	19408743	ND	9.0	ND	0.53	23		ND	3.0	ND	0.91	10		4.8 J		17		ND	1.1	ND	0.18	ND	0.92	ND	0.20	ND	0.14
Total HxCDD	34465468	ND	11	ND	2.9	1,600		58		ND	3.2	180		79		1,300		ND	3.3	ND	0.57	ND	1.9	ND	0.52	ND	0.55
1,2,3,4,6,7,8-HpCDD	35822469	ND	3.1	ND	0.65	990 J		390		24		630 J		810		12,000 J		32		ND	0.14	19		4.5 J		ND	0.13
Total HpCDD	37871004	ND	3.7	ND	0.65	12,000		800		45		2,700		1,000		12,000		61		ND	0.27	34		9.2		ND	0.16
OCDD	3268879	39		ND	5.5	12,000 J		3,500		240		7,000 J		6,700		82,000 J		230		ND	1.3	600 J		54		ND	1.0
2,3,7,8-TCDF	51207319	ND	0.66	ND	0.25	ND	1.5	ND	0.65	ND	0.86	12		1,100		79		ND	1.4	ND	0.075	ND	0.11	ND	0.15	ND	0.06
Total TCDF	55722275	ND	0.66	ND	0.59	24		ND	2.3	ND	0.86	29		2,800		680		ND	1.4	ND	0.14	ND	0.15	ND	0.15	ND	0.090
1,2,3,7,8-PeCDF	57117416	ND	0.47	ND	0.26	ND	1.7	ND	2.0	ND	0.34	4.9 J		17		41		ND	0.64	ND	0.092	ND	0.12	ND	0.063	ND	0.091
2,3,4,7,8-PeCDF	57117314	ND	0.85	ND	0.27	ND	2.4	ND	1.0	ND	0.50	75		150		110		ND	2.3	ND	0.11	ND	0.14	ND	0.11	ND	0.06
Total PeCDF	30402154	ND	0.85	ND	2.1	95		ND	4.8	ND	0.95	410		1,100		660		ND	4.2	ND	0.15	ND	0.25	ND	0.140	ND	0.16
1,2,3,4,7,8-HxCDF	70648269	ND	5.30	ND	0.29	18		ND	0.39	ND	3.2	69 J		590		600		15	0.32	ND	0.089	ND	0.45	ND	0.30	ND	0.09
1,2,3,6,7,8-HxCDF	57117449	ND	5.4	ND	0.91	ND	3.8	14		ND	0.74	240 J		31		190		4.9 J	0.93	ND	0.096	ND	0.43	ND	0.28	ND	0.09
2,3,4,6,7,8-HxCDF	60851345	ND	0.79	ND	0.57	8.0 J		ND	1.0	ND	0.22	46		28		130		ND	1.5	ND	0.09	ND	0.15	ND	0.13	ND	0.10
1,2,3,7,8,9-HxCDF	72918219	8.6		ND	0.41	ND	4.1	ND	1.1	ND	0.41	130		11		51		ND	2.6	ND	0.10	ND	0.15	ND	0.18	ND	0.11
Total HxCDF	55684941	8.6		ND	3.1	1,500		93		4.9		69 J		670		5,600		33		ND	0.28	ND	2.7	ND	0.63	ND	0.30
1,2,3,4,6,7,8-HpCDF	67562394	ND	2.3	ND	1.3	210 J		190		12		150 J		540		4,900 J		30		ND	0.21	4.8 J		ND	0.79	ND	0.18
1,2,3,4,7,8,9-HpCDF	55673897	ND	2.3	ND	0.75	100		36		ND	2.8	77 J		32		730		21		ND	0.23	ND	0.54	ND	0.41	ND	0.26
Total HpCDF	38998753	ND	5.3	ND	4.8	15,000		810		47		3,800		1,600		35,000		90		ND	0.69	27		ND	2.1	ND	0.67
OCDF	39001020	11 J		ND	3.2	2,000 J		900		80		1,700 J		3,500		55,000 J		250		ND	0.51	36		ND	4.3	ND	0.47

Results in **bold** denote detections.

Flags and Qualifiers
U - Analyte was not detected at or above the Method Detection Limit (MDL).
UJ - Analyte was not detected at or above the Method Detection Limit (MDL); the detection limit is estimated.
J - Result is an estimated value.
JP - Result is an estimated value; The lower of the two values is reported when the % difference between the results of two GC columns is greater than 40%.
D - Compound analyzed at a dilution.

Checked by: PGU Date: 8/9/07
Reviewed by: FMB Date: 8/10/07

FIGURES



75' 0 75'

SCALE 1"=75' FEET

LEGEND

⊕ BOREHOLE LOCATIONS

NOTES

1. BASE MAP MODIFIED FROM ORIGINAL MAP PROVIDED BY SOLUTIA, INC. (11/1/02).

Golder Associates St. Louis, Missouri	SCALE AS SHOWN	TITLE	QUEENY AVENUE BOREHOLE LOCATIONS
	DATE 07/26/2007		
	DESIGN		
	CADD MEB	SAUGET AREA 1 SUBSURFACE UTILITY CORRIDOR INVESTIGATION Sauget, Illinois	FIGURE 1
FILE No. 0439670A103	CHECK AWG		
PROJECT No. 043-9670 REV. 1	REVIEW		

APPENDICES

APPENDIX A

BOREHOLE LOGS

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-1

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1110 / 1135
TOTAL DEPTH	15 feet	**LOCATION**	South side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
2		0.0	3.3 / 4.0		0.0-0.5 Soft, pale yellow brown (10YR 6/2), SILT, trace course sand, some organics, dry (ML) 0.5-2.0 Firm, moderate yellowish brown (10YR 5/4) and black, fine SANDY SILT, dry (ML) 2.0-3.0 Loose, dark yellowish brown (10YR 4/2), fine SILTY SAND, trace fine gravel, dry (ML) 3.0-3.4 Firm, dark yellowish brown (10YR 4/2), CLAYEY SILT, damp (MH) 3.4-4.0 Firm, dark olive gray (5Y 3/2), SILTY CLAY, some fine sand, trace coarse gravel, damp (CL)
4		0.0			
6	Queeny-1 (4-8)	10.3	1.5 / 4.0		4.0-8.0 Same As Above (SAA)
8					
10		12.5	2.0 / 4.0		8.0-12.0 Loose, black (N1), very fine SAND, damp (fill)
12	Queeny-1 (8-15)				
14		6.4	2.0 / 3.0		12.0-14.4 Loose, black (N1), very fine SAND, damp to moist @ 13.0 moist 14.4-15.0 Soft, olive gray (5Y 3/2) , SILTY CLAY, trace coarse sand, moist (CL)

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	FMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-1

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	DRILLER	Joe Cox/REDI		START / FINISH
		RIG	Geoprobe 540MT	DATE	6/7/07 / 6/7/07
		NO. SAMPLES	5	TIME	1110 / 1135
TOTAL DEPTH	15 feet	LOCATION	South side of Queeny Avenue	BACKFILL TYPE	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
16					END OF BOREHOLE @ 15 FEET BGS
18					
20					
22					
24					
26					
28					

PROJECT No	043-9670	LOGGED BY	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	CHECKED BY	MSL
LOCATION	Sauget, Illinois	REVIEWED BY	FMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-2

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1140 / 1210
TOTAL DEPTH	16 feet	**LOCATION**	South side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
2		0.0	2.3/4.0		0.0-0.4 Firm, pale yellow brownish (10YR 6/2) CLAYEY SILT, trace organics, damp (MH) 0.4-2.9 Compact, moderate yellowish brown (10YR 5/4), black, fine SANDY SILT, dry (ML)
4					2.9-7.5 Firm, black (N1), fine SANDY SILT, trace wood, brick and fine gravel, damp (ML)
6	Queeny-2 (4-8)	33.7	0.5/4.0		
8					7.5-9.9 Soft, black (N1), CLAYEY SILT, trace cloth, bricks, and coarse sand, wet (MH)
10		42.9	1.6/4.0		9.9-11.2 Firm, moderate yellowish brown, SILTY CLAY, damp (CL) 11.2-11.8 gravel and concrete fill 11.8-16.0 Soft, black (N1), fine SANDY SILT, trace fine to medium sand, wet (ML)
12	Queeny-2 (8-16)				
14		38.0	1.1/3.0		

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-2

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1140 / 1210
TOTAL DEPTH	15 feet	**LOCATION**	South side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
16					
18					END OF BOREHOLE @ 16 FEET BGS
20					
22					
24					
26					
28					

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-3

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1215 / 1230
TOTAL DEPTH	15 feet	**LOCATION**	South side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
2	Queeny-3 (0-4)	8.1	3.2 / 4.0		0.0-0.5 Soft, moderate yellowish brown (10YR 5/4), CLAYEY SILT, trace organics, damp (MH) 0.5-2.6 Loose, dark yellowish brown (10YR 4/2) to dark olive gray (5Y 3/2), fine SILTY SAND, some clay, damp (SW)
4		44.2			2.6-3.5 Stiff, dark olive gray (5Y 3/2), SILTY CLAY, trace fine gravel and coarse sand, damp (CL) 3.5-4.0 Compact, black (N1), fine SILTY SAND, some fine gravel, Damp (SW)
6	Queeny-4 (4-8)	477	1.7 / 4.0		4.0-6.6 Same As Above (SAA)
8					6.6-6.8 Firm, moderate yellowish brown (10YR 5/4), SILTY CLAY, damp (CL) 6.8-7.5 Loose, black (N1) to dark yellowish brown (10YR 4/2), very fine SAND, trace coarse sand, dry (SP) 7.5-8.0 Brick, wood with black silt covering (fill)
10		44.0	1.3 / 4.0		8.0-11.8 Soft, black (N1), SILT and paper, damp (fill)
12	Queeny-4 (8-15)				11.8-12.0 wood, wet (fill)
14		62.0	1.0 / 3.0		12.0-15.0 Loose, black (N1) fine SILTY SAND, some coarse sand, wet (SW)

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-3

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1215 / 1230
TOTAL DEPTH	15 feet	**LOCATION**	South side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
16					END OF BOREHOLE @ 15 FEET BGS
18					
20					
22					
24					
26					
28					

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-4

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1310 / 1330
TOTAL DEPTH	12 feet	**LOCATION**	South side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
		0.0			0.0-0.5 Soft, pale yellow brown (10YR 6/2), CLAYEY SILT, trace organics, dry (MH) 0.5-1.4 Loose, black (N1) to blackish red (5R 2/2) fine to coarse SAND, some clay, trace cinders, brick and concrete, dry (fill)
2			2.7 / 4.0		1.4-1.8 Concrete
4					3.6-4.0 Loose, black (N1), very fine SAND, trace fine gravel, and cinders, plastic, bricks and glass, damp (fill)
6	Queeny-4(1.8-8)	105	1.0 / 4.0		4.8-8.0 Same As Above (SAA)
8					
10	Queeny-4 (8-12)	51.4	1.2 / 4.0		8.0-10.5 SAA 10.5-11.0 Loose, black (N1) very fine to coarse SAND, wet (SW) 11.0-12.0 Paper with black covering, wet (fill)
12					
					END OF BOREHOLE @ 12 FEET BGS

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-5

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1335 / 1350
TOTAL DEPTH	12 feet	**LOCATION**	North side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
					0.0-0.4 Compact, pale yellowish brown (10YR 6/2), fine SAND, trace coarse sand, dry (SP)
2		0.0	2.8 / 4.0		0.4-1.1 Loose, black (N1) fine to medium SAND, some cinders and fine to medium gravel, damp (fill) 1.1-1.3 Soft, light gray (N7), SILTY CLAY, damp (CL) 1.3-2.0 Compact, black (N1) fine to medium SAND, trace fine gravel, damp (SW)
4		0.4			2.0-2.2 red brick 2.2-4.0 Compact, dark gray (N3) to black (N1), very fine SAND, damp
6	Queeny-5 (4-8)	0.2	2.9 / 4.0		4.0-5.7 Same As Above (SAA) 5.7-6.0 Firm, olive gray (5Y 4/1), SILTY CLAY, trace very fine sand, damp (CL)
8		0.0			6.0-8.0 Soft, medium gray (N7), very fine SAND, damp (SP)
10		0.0	2.5 / 4.0		8.0-9.2 Soft, medium gray (N7), very fine SAND, damp (SP) 9.2-12.0 SAA
12		0.0			
					END OF BOREHOLE @ 12 FEET BGS

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-6

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1355 / 1415
TOTAL DEPTH	12 feet	**LOCATION**	North side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
2	Queeny-6 (4-8)	0.0	3.2 / 4.0		0.0-0.3 Loose, pale yellow brown (10YR 6/2), fine SILTY SAND, some organics, dry (SW) 0.3-1.9 Compact, pale yellow brown (10YR 6/2), fine SILTY SAND, some silt, damp (SW) 1.9-4.0 Loose, black (N1), coarse GRAVEL, damp (cinders) 2.2 color change to medium gray (N5)
4		0.0			
6		8.7	2.4 / 4.0		4.0-8.0 Same As Above (SAA)
8		8.2			
10		3.6	2.3 / 4.0		8.0-12.0 SAA 11.1 wet
12		2.9			
					END OF BOREHOLE @ 12 FEET BGS

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-7

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1420 / 1450
TOTAL DEPTH	15 feet	**LOCATION**	North side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
2	Queeny-7 (4-8)	0.0	3.4 / 4.0		0.0-0.4 Soft, pale yellow brown (10YR 6/2), fine SANDY SILT, some organics, dry (ML) 0.4-2.1 Compact, moderate yellowish brown (10YR 5/4), very fine SAND, dry (SP)
4		0.0			2.1-4.0 Compact, brownish gray (5YR 4/1) fine SAND, trace clay in 0.1' seams, damp (SP)
6		0.0	3.1 / 4.0		5.3-5.8 Same As Above (SAA) 5.7-5.8 increase in silt 5.8-6.2 Compact, medium gray (N5), fine SILTY SAND, damp (SW) 6.2-6.9 Firm, medium gray (N5), fine SANDY SILT, damp (ML)
8		0.0			6.9-7.9 Compact, medium gray (N5), fine SAND, trace silt, damp (SP) 7.9-8.0 Stiff, moderate yellow brown (10YR 5/4), CLAY laminated, damp (CH)
10		0.0	2.0 / 4.0		8.0-11.2 compact, medium gray (N5), fine SAND, some silt, damp (SP)
12					11-12 Compact, medium gray (N5), fine SAND, damp (SP) 11.4-11.6 Firm, medium gray, CLAY, damp (CH) 12-13.5 Compact, medium gray, (N5), fine SAND, wet (SP)
14		0.0	3.0 / 4.0		13.2-13.9 soft, medium gray (N5), SILTY CLAY, some very fine sand (CL) 13.9-14.3 firm, medium gray (N5), CLAY, some silt (CH) 14.3-15 Compact, medium gray (N5), SAND, some silt, trace clay, wet (SW)

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-7

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1420 / 1450
TOTAL DEPTH	15 feet	**LOCATION**	North side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
16					END OF BOREHOLE @ 15 FEET BGS
18					
20					
22					
24					
26					
28					

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

LOG OF GEOPROBE BOREHOLE

BOREHOLE Queeny-8

Golder Associates

INVESTIGATION AREA	Queeny Ave. Utility Corridor	**DRILLER**	Joe Cox/REDI		**START** / **FINISH**
		RIG	Geoprobe 540MT	**DATE**	6/7/07 / 6/7/07
		NO. SAMPLES	5	**TIME**	1455 / 1515
TOTAL DEPTH	12 feet	**LOCATION**	North side of Queeny Avenue	**BACKFILL TYPE**	Bentonite Chips
BOREHOLE DIAM.	2.5 inches				

DEPTH (Feet)	SAMPLE No.	PID (ppm)	RECOVERY	OTHER	DESCRIPTION AND COMMENTS
		0.0			0.0-0.4 Loose, light gray (N7), very fine SAND, some fine gravel, dry (SW)
					0.4-1.5 Firm, reddish brown (10R ¾), fine SANDY SILT, trace clay, damp (ML)
2			3.3 / 4.0		1.5-3.8 Soft, olive gray (5Y 4/1), very fine SAND, damp
4		0.0			3.8-4.0 Soft, olive gray (5Y 4/1), very fine SANDY SILT, moist (ML)
6	Queeny-8(4-6.9)	0.0	2.5 / 4.0		4.0-6.9 Same As Above (SAA)
8					6.7-6.9 wet 6.9-7.4 Stiff, olive gray (5Y 4/1), CLAY, trace fine sand, damp (CH) 7.4-8.0 compact, light gray (N7), fine SAND, damp (SP)
10		0.0	1.6 / 4.0		8.0-12.0 SAA 11-12 wet
12					
					END OF BOREHOLE @ 12 FEET BGS

PROJECT No	043-9670	**LOGGED BY**	MSL
PROJECT	Monsanto Support Services-Queeny Avenue Utility Corridor	**CHECKED BY**	MSL
LOCATION	Sauget, Illinois	**REVIEWED BY**	RMB

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND DATA VALIDATION SUMMARY

DATA VALIDATION SUMMARY

Data validation was performed following the general guidelines of Section 9.2 of the Quality Assurance Project Plan, Sauget Area 1 Support Sampling Project, Sauget and Cahokia, Illinois, Volume 2. There were some minor concerns for each of the analyses that required the qualification of some data and are listed below.

VOCs:

- Requirements for acceptable instrument calibration are established to ensure the instrument is capable of generating satisfactory data. The functional guidelines require that the percent difference (%D) between the initial calibration relative response factor (RRF) and the continuing calibration RRF be within ±50% for non CCC compounds. This criterion was not achieved for one compound. In accordance with the functional guidelines, positive results within the suspect batch were qualified with estimated values (J).

- Surrogate recoveries were not calculated due to sample dilution on several samples. This was due to elevated levels of target analytes within samples. In accordance with functional guidelines, positive results were qualified with estimated values (JD) and non-detected results were qualified with estimated reporting limits (UJ).

- Surrogates recovered high outside acceptance limits in several samples. In accordance with functional guidelines, positive results were qualified with estimated values (J).

SVOCs:

- Requirements for acceptable instrument calibration are established to ensure the instrument is capable of generating satisfactory data. The functional guidelines require that the percent difference (%D) between the initial calibration RRF and the continuing calibration RRF be within ±20%. This criterion was not achieved for various CCC compounds. In accordance with the functional guidelines, positive results were qualified with estimated values (J) and non-detected results were qualified with estimated reporting limits (UJ).

- Surrogate recoveries were not calculated due to sample dilution on several samples. This was due to elevated levels of target analytes within samples. In accordance with functional guidelines, positive results were qualified with estimated values (JD) and non-detected results were qualified with estimated reporting limits (UJ).

- Matrix Spike and Matrix Spike Duplicate (MS/MSD) recoveries were low in the selected sample used for the MS/MSD. Positive results were qualified with estimated values (J) and non-detected results were qualified with estimated reporting limits (UJ).

Chlorinated Pesticides:

- Surrogate analytes not commonly found in nature are added to every sample to assess method performance. These surrogates must recover within the laboratory specific QC limits. The criteria for surrogate recoveries were not achieved in various samples. Because the surrogates had recoveries below the lower control limit, positive results were qualified as estimated values (J) and non-detected results were qualified with estimated reporting limits (UJ), in accordance with the functional guidelines.

- Surrogates recovered high outside acceptance limits in several samples. In accordance with functional guidelines, positive results were qualified with estimated values (J).

- One sample exceeded the internal standard area acceptance criteria for Bromonitrobenzene. In accordance with the functional guidelines, positive results were qualified with estimated values (J) and non-detected results were qualified with estimated reporting limits (UJ).

Chlorinated herbicides

- Surrogate recoveries were not calculated on several samples due to sample dilution. Positive results were qualified with estimated values due to dilution (JD) and non-detected results were qualified with estimated reporting limits (UJ).

Inorganics

- Requirements for acceptable instrument calibration blanks are established to ensure the instrument is capable of generating satisfactory data. The functional guidelines require that there be no detections in calibration blanks. This criterion was not achieved for several compounds.

- Detections were noted in the continuing calibration verification blanks (CCV) therefore, in accordance with the functional guidelines; positive results less than five times the blank value were qualified with estimated reporting limits (UJ).

- Matrix Spike and Matrix Spike Duplicate (MS/MSD) recoveries were low in the selected sample used for the MS/MSD. All associated positive results were qualified with estimated values (J) and non-detected results were qualified with estimated reporting limits (UJ).

General Chemistry

- Matrix Spike recovery was low in the selected sample used for the MS/Post-Distillation Spike. However, the post-distillation spike recovered within control limits. In accordance with functional guidelines, all associated positive results were qualified with estimated values (J).

Dioxin

- Matrix Spike recovery was low in the selected sample used for the MS/Post-Distillation Spike. However, the post-distillation spike recovered within control limits. In accordance with functional guidelines, all associated positive results were qualified with estimated values (J).

- Several samples were re-extracted, diluted and post spiked due to analyte levels above laboratory instrument calibration limits. Concentrations of several analytes exceeded the upper quantitation level of the initial calibration but the peaks did not saturate the instrument detector. In accordance with functional guidelines, all associated positive results were qualified with estimated values (J).

There were no major concerns which required the rejection of data. Although some data required qualifications due to quality control criteria that were not achieved, the data were deemed usable. Where a positive result was qualified as estimated, the analyte should be considered present. Similarly, a detected or non-detected result, which was qualified as an estimated reporting limit, should be considered not present for the purposes of this program, although the limit itself my not be precise. The completeness for the entire data set was 100%.

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Company Name: Golder Associates
Project Name: Solutia Queeny Utility Corridor
Reviewer: T. White

Project Manager: R. Booth
Project Number: 043-9670
Validation Date: 8/2/07

Laboratory: STL - Savannah
SDG #: SQUC01
Analytical Method (type and no.): 8260B VOC
Matrix: ☐ Air ☒ Soil/Sed. ☐ Water ☐ Waste ☐
Sample Names: All + ms/msd, Duplicate

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☑	☐	☐	
b) Sampling team indicated?	☑	☐	☐	
c) Sample location noted?	☑	☐	☐	
d) Sample depth indicated (Soils)?	☑	☐	☐	
e) Sample type indicated (grab/composite)?	☑	☐	☐	
f) Field QC noted?	☑	☐	☐	
g) Field parameters collected (note types)?	☑	☐	☐	PID
h) Field Calibration within control limits?	☑	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☑	☐	
j) Does the laboratory narrative indicate deficiencies?	☑	☐	☐	

Note Deficiencies: Some VOC vials contained less than 5 grams sample.

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☑	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☑	☐	☐	
c) Were samples received in good condition?	☑	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☑	☐	☐	
b) Were hold times met for sample analysis?	☑	☐	☐	14 Days
c) Were the correct preservatives used?	☑	☐	☐	
d) Was the correct method used?	☑	☐	☐	
e) Were appropriate reporting limits achieved?	☑	☐	☐	
f) Were any sample dilutions noted?	☑	☐	☐	
g) Were any matrix problems noted?	☐	☑	☐	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Initial Calibration (IC)	YES	NO	NA	COMMENTS
a) Were correct standards used for IC?	☑	☐	☐	
a) Was the correct initial calibration used?	☑	☐	☐	
b) Were correct standards used for results calculations?	☑	☐	☐	
c) Were SPCC compounds RRF > 0.3/0.05?	☑	☐	☐	
d) Were other compounds RRF > 0.05?	☑	☐	☐	
e) Was the %RSD < 30%? *(Fill in alternate criteria as appropriate)*	☑	☐	☐	

Continuing Calibration (CC)	YES	NO	NA	COMMENTS
a) Were correct standards used for CC?	☑	☐	☐	
b) Was the correct continuing calibration used?	☑	☐	☐	
c) Were correct standards used for results calculations?	☑	☐	☐	
d) Were SPCC compounds RRF >0.3/0.05?	☑	☐	☐	
e) Were other compounds RRF > 0.05?	☐	☑	☐	Butadiene 6/14/07 1249 CC
f) Was the %D < ~~25%~~ 20 (for low conc. water %D< ~~30%~~ 50)? *(Fill in alternate criteria as appropriate)*	☐	☑	☐	Acetone 6/21/07 1656 CC

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☑	☐	☐	Acetone 7.4 J
b) Was a method blank analysis performed according to the method used?	☑	☐	☐	
c) Was a method blank analysis performed for each instrument used for sample analyses?	☑	☐	☐	
d) Were analytes detected in the instrument blank(s)?	☐	☐	☑	
e) Were analytes detected in the field blank(s)?	☐	☐	☑	
f) Were analytes detected in the equipment blank(s)?	☐	☐	☑	
g) Were analytes detected in the trip blank(s)?	☑	☐	☐	Acetone 2.3 J

Surrogate (System Monitoring) Compounds	YES	NO	NA	COMMENTS
a) Were surrogate compounds added to all samples?	☑	☐	☐	
b) Were recoveries within control limits?	☐	☑	☐	
c) Were surrogate recoveries not calculated due to dilutions?	☑	☐	☐	In some cases
d) Were recoveries not calculated due to interference?	☐	☑	☐	

Pesticide/PCB Calibration	YES	NO	NA	COMMENTS
a) Do standard retention times fall within RT windows?	☐	☐	☑	
b) Are linearity criteria achieved (IC)?	☐	☐	☑	
c) Criteria for peaks in Resolution Check achieved?	☐	☐	☑	
d) DDT and Endrin breakdown criteria achieved?	☐	☐	☑	
e) % Drift criteria achieved on both columns?	☐	☐	☑	
f) Are PEM CC criteria achieved (±25%)?	☐	☐	☑	
g) Are INDA/B CC criteria achieved (±25%)?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Pesticide/PCB Analytical Sequence / Quantitation	YES	NO	NA	COMMENTS
a) Was proper analytical sequence followed?	☐	☐	☑	
b) Were all samples within 12 hr of std and Inst Blk?	☐	☐	☑	
c) Specific multi-comp stds run w/i 72 hr of sample?	☐	☐	☑	
d) Cleanup performed on extracts?	☐	☐	☑	
e) If performed, were %R criteria for checks achieved?	☐	☐	☑	
f) Sample RT within Standard RT windows?	☐	☐	☑	
g) %D for positive results on both columns <25%?	☐	☐	☑	
h) Aroclor pattern present and meets criteria?	☐	☐	☑	
i) Were there any false negatives?	☐	☐	☑	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met (note %R)?	☐	☑	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
b) Was MSD accuracy criteria met (note %R)?	☐	☑	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
c) Were MS/MSD precision criteria met (note RPD)?	☐	☑	☐	only one analyte outside QC limits

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☑	☐	☐	
b) Were the proper compounds included in the LCS?	☑	☐	☐	
c) Was the LCS accuracy criteria met?	☐	☑	☐	See notes

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☑	☐	☐	Queeny-5-4-8, Duplicate
b) Were field dup. precision criteria met (note RPD)?	☐	☑	☐	114% on chlorobenzene
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☐	☑	
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☑	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☐	☑	
b) Was the %D within control limits?	☐	☐	☑	

Split Sample Results	YES	NO	NA	COMMENTS
a) Were split samples collected (indicate IDs)?	☐	☐	☑	
b) Were the split sample results within criteria?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Comments/Notes:

6/14/07 1249 CC Butadiene <0.05 ~~Trip Blank~~ only
No Flag

6/21/07 1656 CC Acetone Drift >50% Queeny ~~1-4-8~~
J flagged

6/21/07 1915 MB Acetone 7.4 J Queeny ~~1-4-8~~
No Flag >10X

LCS 680-78286/6 methylene chloride high J+ ~~7-4-8~~ ~~5-4-8~~ ~~3-0-4~~ ~~2-4-8~~
LCS 680-78474/8 methylene chloride high J+ ~~4-4-8~~ ~~4-3-1~~ ~~3-4-8~~ ~~3-8-1~~
LCS 680-78882/4 2-Hexanone high J+ ~~1-4-8~~
No positive Results

Queeny-1-8-15 Chloroethane J UJ ms/msD RPD outside limit.
ND

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
Queeny-4-1.8-8DL	Positive Resuts		JD	Surrogates not calculated due
4-8-12 DL			JD	to dilution
3-4-8 DL			JD	↓
3-8-15 DL			JD	
3-0-4 DL			JD	
2-8-16 DL			JD	
3-4-8	Positive		J	Surrogates recovered high
2-8-16	↓		J	outside QC limits.
Queeny 1-4-8	Acetone		J	CC Drift > 50%

Signature: [signature] Date: 8/2/07

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Company Name: Golder Associates
Project Name: Solvia Queeny Utility Corridor
Reviewer: J. White

Project Manager: R. Booth
Project Number: 043-9670
Validation Date: 8/2/07

Laboratory: STL - Sacramento
SDG #: SQUC01
Analytical Method (type and no.): 8290A Dioxin / Furans
Matrix: ☐ Air ☒ Soil/Sed. ☐ Water ☐ Waste ☐
Sample Names: ALL + MS/MSD, DUPLICATE

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☑	☐	☐	
b) Sampling team indicated?	☑	☐	☐	
c) Sample location noted?	☑	☐	☐	
d) Sample depth indicated (Soils)?	☑	☐	☐	
e) Sample type indicated (grab/composite)?	☑	☐	☐	
f) Field QC noted?	☑	☐	☐	
g) Field parameters collected (note types)?	☑	☐	☐	PID
h) Field Calibration within control limits?	☑	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☑	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☑	☐	

Note Deficiencies:

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☑	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☑	☐	☐	
c) Were samples received in good condition?	☑	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☐	☐	☐	Some samples were
b) Were hold times met for sample analysis?	☐	☐	☐	reextracted outside recommended
c) Were the correct preservatives used?	☑	☐	☐	hold times. However, they were
d) Was the correct method used?	☑	☐	☐	properly stored 4°C + dark
e) Were appropriate reporting limits achieved?	☑	☐	☐	
f) Were any sample dilutions noted?	☑	☐	☐	
g) Were any matrix problems noted?	☑	☐	☐	Interference which required dilution

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Initial Calibration (IC)	YES	NO	NA	COMMENTS
a) Were correct standards used for IC?	☑	☐	☐	
a) Was the correct initial calibration used?	☑	☐	☐	
b) Were correct standards used for results calculations?	☑	☐	☐	
c) Were SPCC compounds RRF > 0.3/0.05?	☐	☐	☑	
d) Were other compounds RRF > 0.05?	☐	☐	☑	
e) Was the %RSD ~~<30%~~? 15% *(Fill in alternate criteria as appropriate)*	☑	☐	☐	

Continuing Calibration (CC)	YES	NO	NA	COMMENTS
a) Were correct standards used for CC?	☑	☐	☐	
b) Was the correct continuing calibration used?	☑	☐	☐	
c) Were correct standards used for results calculations?	☑	☐	☐	
d) Were SPCC compounds RRF >0.3/0.05?	☐	☐	☑	
e) Were other compounds RRF > 0.05?	☐	☐	☑	
f) Was the %D < 25% (for low conc. water %D<30%)? *(Fill in alternate criteria as appropriate)*	☑	☐	☐	<25%

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☑	☐	
b) Was a method blank analysis performed according to the method used?	☑	☐	☐	
c) Was a method blank analysis performed for each instrument used for sample analyses?	☑	☐	☐	
d) Were analytes detected in the instrument blank(s)?	☐	☐	☑	
e) Were analytes detected in the field blank(s)?	☐	☐	☑	
f) Were analytes detected in the equipment blank(s)?	☐	☐	☑	
g) Were analytes detected in the trip blank(s)?	☐	☑	☐	

Surrogate (System Monitoring) Compounds	YES	NO	NA	COMMENTS
a) Were surrogate compounds added to all samples?	☑	☐	☐	
b) Were recoveries within control limits?	☑	☐	☐	
c) Were surrogate recoveries not calculated due to dilutions?	☐	☑	☐	
d) Were recoveries not calculated due to interference?	☐	☑	☐	

Pesticide/PCB Calibration	YES	NO	NA	COMMENTS
a) Do standard retention times fall within RT windows?	☐	☐	☑	
b) Are linearity criteria achieved (IC)?	☐	☐	☑	
c) Criteria for peaks in Resolution Check achieved?	☐	☐	☑	
d) DDT and Endrin breakdown criteria achieved?	☐	☐	☑	
e) % Drift criteria achieved on both columns?	☐	☐	☑	
f) Are PEM CC criteria achieved (±25%)?	☐	☐	☑	
g) Are INDA/B CC criteria achieved (±25%)?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Pesticide/PCB Analytical Sequence / Quantitation	YES	NO	NA	COMMENTS
a) Was proper analytical sequence followed?	☐	☐	☑	
b) Were all samples within 12 hr of std and Inst Blk?	☐	☐	☑	
c) Specific multi-comp stds run w/i 72 hr of sample?	☐	☐	☑	
d) Cleanup performed on extracts?	☐	☐	☑	
e) If performed, were %R criteria for checks achieved?	☐	☐	☑	
f) Sample RT within Standard RT windows?	☐	☐	☑	
g) %D for positive results on both columns <25%?	☐	☐	☑	
h) Aroclor pattern present and meets criteria?	☐	☐	☑	
i) Were there any false negatives?	☐	☐	☑	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met (note %R)?	☐	☑	☐	Few analytes recovered out side acceptance limits (3)/(17)
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
b) Was MSD accuracy criteria met (note %R)?	☐	☑	☐	(8) / (17)
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
c) Were MS/MSD precision criteria met (note RPD)?	☐	☑	☐	only one analyte outside acceptance limits (1)/(17)

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☑	☐	☐	
b) Were the proper compounds included in the LCS?	☑	☐	☐	
c) Was the LCS accuracy criteria met?	☑	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☑	☐	☐	5-4-8 / Duplicate
b) Were field dup. precision criteria met (note RPD)?	☑	☐	☐	All ND
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☐	☑	
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☑	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☐	☑	
b) Was the %D within control limits?	☐	☐	☑	

Split Sample Results	YES	NO	NA	COMMENTS
a) Were split samples collected (indicate IDs)?	☐	☐	☑	
b) Were the split sample results within criteria?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Comments/Notes:

— Qualify all E values that were Diluted + re-extracted for re-analysis

Queeny 2-4-98 1,2,3,4,7,8-HxCDD (J) MS/MSD below recovery limits

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
Queeny-6-4-8	OCDD	600 E	J	Samples that Exceeded
4-1.8-8	1,2,3,4,7,8-HxCDD		J	the upper quantitation limit
	1,2,3,4,6,7,8-HpCDD		J	but did not Saturate
	OCDD		J	the instrument detector
	1,2,3,4,6,7,8-HpCDF		J	
	OCDF		J	
3-4-8	1,2,3,4,6,7,8-HpCDD		J	
	OCDD		J	
	1,2,3,4,7,8-HxCDF		J	
	1,2,3,6,7,8-HxCDF		J	
	Total HxCDF		J	
	1,2,3,4,6,7,8-HpCDF		J	
	1,2,3,4,7,8,9-HpCDF		J	
	OCDF		J	
3-8-15	1,2,3,4,6,7,8-HpCDD			
	OCDD			
	2,3,7,8-TCDF			
	1,2,3,4,7,8-HxCDF			
	1,2,3,4,6,7,8-HpCDF			
2-4-8	1,2,3,4,6,7,8-HpCDD		J	
	OCDD		J	
	1,2,3,4,6,7,8-HpCDF		J	
	OCDF		J	
2-8-16	1,2,3,4,6,7,8-HpCDD		J	
	OCDD			
	OCDF			

Signature: _____ Date: 8/8/07

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Company Name: Golder Associates
Project Name: Solutia Queeny Utility Corridor
Reviewer: J. White

Project Manager: R. Booth
Project Number: 043-9670
Validation Date: 8/1/07

Laboratory: STL-Savannah
SDG #: SQUC01
Analytical Method (type and no.): 8270 C SVOC
Matrix: ☐ Air ☒ Soil/Sed. ☐ Water ☐ Waste ☐
Sample Names Queeny-8-4-6.9, 7-4-8, 6-4-8, 5-4-8, 4-1.8-8, 4-8-12, 3-4-8, 3-8-15, 3-0-4, 2-4-8, 2-8-16, 1-4-8, 1-8-15

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☑	☐	☐	
b) Sampling team indicated?	☑	☐	☐	
c) Sample location noted?	☑	☐	☐	
d) Sample depth indicated (Soils)?	☑	☐	☐	
e) Sample type indicated (grab/composite)?	☑	☐	☐	
f) Field QC noted?	☑	☐	☐	
g) Field parameters collected (note types)?	☑	☐	☐	FID Screening
h) Field Calibration within control limits?	☑	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☑	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☑	☐	

Note Deficiencies:

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☑	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☑	☐	☐	
c) Were samples received in good condition?	☑	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample ~~pretreatment~~ Extraction?	☑	☐	☐	14 Days
b) Were hold times met for sample analysis?	☑	☐	☐	40 Days
c) Were the correct preservatives used?	☐	☐	☑	
d) Was the correct method used?	☑	☐	☐	
e) Were appropriate reporting limits achieved?	☑	☐	☐	
f) Were any sample dilutions noted?	☑	☐	☐	
g) Were any matrix problems noted?	☐	☑	☐	high analyte levels

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Initial Calibration (IC)	YES	NO	NA	COMMENTS
a) Were correct standards used for IC?	☑	☐	☐	
a) Was the correct initial calibration used?	☑	☐	☐	
b) Were correct standards used for results calculations?	☑	☐	☐	
c) Were SPCC compounds RRF > 0.3/0.05?	☑	☐	☐	
d) Were other compounds RRF > 0.05?	☑	☐	☐	
e) Was the %RSD < 30%?	☑	☐	☐	
(Fill in alternate criteria as appropriate)				

Continuing Calibration (CC)	YES	NO	NA	COMMENTS
a) Were correct standards used for CC?	☑	☐	☐	
b) Was the correct continuing calibration used?	☑	☐	☐	
c) Were correct standards used for results calculations?	☑	☐	☐	
d) Were SPCC compounds RRF >0.3/0.05?	☑	☐	☐	
e) Were other compounds RRF > 0.05?	☑	☐	☐	
f) Was the %D < ~~25%~~ 20 CCC (for low conc. water %D< ~~30%~~ 50 %)?	☐	☑	☐	→ Pentachlorophenol, Fluoranthene, N-Nitrosodiphenylamine +J
(Fill in alternate criteria as appropriate)				

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☑	☐	
b) Was a method blank analysis performed according to the method used?	☑	☐	☐	
c) Was a method blank analysis performed for each instrument used for sample analyses?	☑	☐	☐	
d) Were analytes detected in the instrument blank(s)?	☐	☐	☑	
e) Were analytes detected in the field blank(s)?	☐	☐	☑	
f) Were analytes detected in the equipment blank(s)?	☐	☐	☑	
g) Were analytes detected in the trip blank(s)?	☐	☐	☑	

Surrogate (System Monitoring) Compounds	YES	NO	NA	COMMENTS
a) Were surrogate compounds added to all samples?	☑	☐	☐	
b) Were recoveries within control limits?	☐	☑	☐	
c) Were surrogate recoveries not calculated due to dilutions?	☑	☐	☐	→ qualifiers due to dilution
d) Were recoveries not calculated due to interference?	☑	☐	☐	JD/UJ

Pesticide/PCB Calibration	YES	NO	NA	COMMENTS
a) Do standard retention times fall within RT windows?	☐	☐	☑	
b) Are linearity criteria achieved (IC)?	☐	☐	☑	
c) Criteria for peaks in Resolution Check achieved?	☐	☐	☑	
d) DDT and Endrin breakdown criteria achieved?	☐	☐	☑	
e) % Drift criteria achieved on both columns?	☐	☐	☑	
f) Are PEM CC criteria achieved (±25%)?	☐	☐	☑	
g) Are INDA/B CC criteria achieved (±25%)?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Pesticide/PCB Analytical Sequence / Quantitation	YES	NO	NA	COMMENTS
a) Was proper analytical sequence followed?	☐	☐	☑	
b) Were all samples within 12 hr of std and Inst Blk?	☐	☐	☑	
c) Specific multi-comp stds run w/i 72 hr of sample?	☐	☐	☑	
d) Cleanup performed on extracts?	☐	☐	☑	
e) If performed, were %R criteria for checks achieved?	☐	☐	☑	
f) Sample RT within Standard RT windows?	☐	☐	☑	
g) %D for positive results on both columns <25%?	☐	☐	☑	
h) Aroclor pattern present and meets criteria?	☐	☐	☑	
i) Were there any false negatives?	☐	☐	☑	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met (note %R)?	☐	☑	☐	Sample specific recovery
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	issues. J/UJ
b) Was MSD accuracy criteria met (note %R)?	☐	☑	☐	Queeny 1-8-15 Results.
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
c) Were MS/MSD precision criteria met (note RPD)?	☐	☑	☐	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☑	☐	☐	
b) Were the proper compounds included in the LCS?	☑	☐	☐	
c) Was the LCS accuracy criteria met?	☑	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☑	☐	☐	Queeny 5-4-8, Duplicate
b) Were field dup. precision criteria met (note RPD)?	☑	☐	☐	All ND
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☐	☑	
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☑	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☐	☑	
b) Was the %D within control limits?	☐	☐	☑	

Split Sample Results	YES	NO	NA	COMMENTS
a) Were split samples collected (indicate IDs)?	☐	☐	☑	
b) Were the split sample results within criteria?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Comments/Notes:

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
4-1.8-8	All Results		J/UJ	Surrogates not calculated due to
4-8-12				sample dilution.
3-4-8				
3-4-8DL			JD	
3-8-15			J/UJ	
2-4-8				
2-8-16				
1-4-8				
1-8-15				
Duplicate				
1-8-15	All Results		J/UJ	MS/MSD Low recovery
7-4-8	Fluoranthene	J	J	%D on CCC >20% for CC
6-4-8	Fluoranthene	J	J	
4-1.8-8	Fluoranthene	4100	J	
	Pentachlorophenol	J	J	
4-8-12	Fluoranthene	J	J	
3-4-8	Fluoranthene	J	J	
	Pentachlorophenol	72000 D	J	
3-8-15	Fluoranthene	J	J	
	Pentachlorophenol	J	J	
3-0-4	Fluoranthene	3000	J	
2-4-8	Fluoranthene	J	J	
2-8-16	Fluoranthene	J	J	
	Pentachlorophenol	J	J	
1-4-8	Fluoranthene	J	J	

Signature: [signature] Date: 8/2/07

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Company Name: Golder Associates
Project Manager: R. Booth
Project Name: Solutia Queeny Utility Corridor
Project Number: 043-9670
Reviewer: J. White
Validation Date: 8/1/07

Laboratory: STL - Savannah
SDG #: SQUC01
Analytical Method (type and no.): 8081A
Matrix: ☐ Air ☒ Soil/Sed. ☐ Water ☐ Waste ☐
Sample Names All (13) + DUP, MS/MSD, FB

NOTE: Please provide calculation in Comment areas or on the back (If on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☑	☐	☐	
b) Sampling team indicated?	☑	☐	☐	
c) Sample location noted?	☑	☐	☐	
d) Sample depth indicated (Soils)?	☑	☐	☐	
e) Sample type indicated (grab/composite)?	☑	☐	☐	
f) Field QC noted?	☑	☐	☐	
g) Field parameters collected (note types)?	☑	☐	☐	PID
h) Field Calibration within control limits?	☑	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☑	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☑	☐	

Note Deficiencies:

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☑	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☑	☐	☐	
c) Were samples received in good condition?	☑	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☑	☐	☐	14 D
b) Were hold times met for sample analysis?	☑	☐	☐	40 D
c) Were the correct preservatives used?	☐	☐	☑	
d) Was the correct method used?	☑	☐	☐	
e) Were appropriate reporting limits achieved?	☑	☐	☐	
f) Were any sample dilutions noted?	☑	☐	☐	
g) Were any matrix problems noted?	☑	☐	☐	Interference

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Initial Calibration (IC)	YES	NO	NA	COMMENTS
a) Were correct standards used for IC?	☐	☐	☑	
a) Was the correct initial calibration used?	☐	☐	☑	
b) Were correct standards used for results calculations?	☐	☐	☑	
c) Were SPCC compounds RRF > 0.3/0.05?	☐	☐	☑	
d) Were other compounds RRF > 0.05?	☐	☐	☑	
e) Was the %RSD < 30%? *(Fill in alternate criteria as appropriate)*	☐	☐	☑	

Continuing Calibration (CC)	YES	NO	NA	COMMENTS
a) Were correct standards used for CC?	☐	☐	☑	
b) Was the correct continuing calibration used?	☐	☐	☑	
c) Were correct standards used for results calculations?	☐	☐	☑	
d) Were SPCC compounds RRF >0.3/0.05?	☐	☐	☑	
e) Were other compounds RRF > 0.05?	☐	☐	☑	
f) Was the %D < 25% (for low conc. water %D<30%)? *(Fill in alternate criteria as appropriate)*	☐	☐	☑	

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☑	☐	
b) Was a method blank analysis performed according to the method used?	☑	☐	☐	
c) Was a method blank analysis performed for each instrument used for sample analyses?	☑	☐	☐	
d) Were analytes detected in the instrument blank(s)?	☐	☐	☑	
e) Were analytes detected in the field blank(s)?	☐	☐	☑	
f) Were analytes detected in the equipment blank(s)?	☐	☐	☑	
g) Were analytes detected in the trip blank(s)?	☐	☐	☑	

Surrogate (System Monitoring) Compounds	YES	NO	NA	COMMENTS
a) Were surrogate compounds added to all samples?	☑	☐	☐	→ Positive results get J flagged
b) Were recoveries within control limits?	☐	☑	☐	
c) Were surrogate recoveries not calculated due to dilutions?	☑	☐	☐	
d) Were recoveries not calculated due to interference?	☐	☑	☐	

Pesticide/PCB Calibration	YES	NO	NA	COMMENTS
a) Do standard retention times fall within RT windows?	☑	☐	☐	
b) Are linearity criteria achieved (IC)?	☑	☐	☐	RSD ≤ 20%
c) Criteria for peaks in Resolution Check achieved?	☑	☐	☐	> 60%
d) DDT and Endrin breakdown criteria achieved?	☑	☐	☐	
e) % Drift criteria achieved on both columns?	☑	☐	☐	grand mean used.
f) Are PEM CC criteria achieved (±25%)?	☑	☐	☐	
g) Are INDA/B CC criteria achieved (±25%)?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Pesticide/PCB Analytical Sequence / Quantitation	YES	NO	NA	COMMENTS
a) Was proper analytical sequence followed?	☑	☐	☐	
b) Were all samples within 12 hr of std and Inst Blk?	☑	☐	☐	
c) Specific multi-comp stds run w/i 72 hr of sample?	☐	☐	☑	
d) Cleanup performed on extracts?	☐	☐	☑	
e) If performed, were %R criteria for checks achieved?	☐	☐	☑	
f) Sample RT within Standard RT windows?	☑	☐	☐	
g) %D for positive results on both columns <25%?	☑	☐	☐	
h) Aroclor pattern present and meets criteria?	☐	☐	☑	
i) Were there any false negatives?	☐	☑	☐	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met (note %R)?	☐	☑	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☑	☐	☐	Dilution effects
b) Was MSD accuracy criteria met (note %R)?	☐	☑	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☑	☐	☐	
c) Were MS/MSD precision criteria met (note RPD)?	☐	☑	☐	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☑	☐	☐	
b) Were the proper compounds included in the LCS?	☑	☐	☐	
c) Was the LCS accuracy criteria met?	☑	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☑	☐	☐	5-4-8, Duplicate
b) Were field dup. precision criteria met (note RPD)?	☑	☐	☐	OK Dieldrin ~112% RPD
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☐	☑	Endrin
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☑	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☐	☑	
b) Was the %D within control limits?	☐	☐	☑	

Split Sample Results	YES	NO	NA	COMMENTS
a) Were split samples collected (indicate IDs)?	☐	☐	☑	
b) Were the split sample results within criteria?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Comments/Notes:

-> Internal standards Queen y 3-4-8 exceeded IS Area
J/UJ

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
Queeny 8-4-6.9	Positive		J	Surrogates not calculated
7-4-8	Results			due to dilution
6-4-8				
5-4-8				
5-4-8DL				
4-1.8-8				
4-1.8-8DL				
4-8-12				
4-8-12DL				
3-4-8				Exceeded Acceptance
3-4-8DL				limits For Surrogate
3-8-15				Recovery
3-8-15DL				
3-04				
3-0-4DL				
2-4-8				
2-4-8DL				
2-8-16				
2-8-16DL				
1-4-8				
Duplicate				
Queeny 3-4-8	All Results		J/UJ	Exceeded IS Area

Signature: _____ Date: 8/2/07

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Company Name: Golder Associates
Project Name: Solutia Queeny Utility Corridor
Reviewer: J. White

Project Manager: R. Booth
Project Number: 043-9670
Validation Date: 8/2/07

Laboratory: STL - Savannah
SDG #: SQUC01
Analytical Method (type and no.): 8151A Herb
Matrix: ☐ Air ☒ Soil/Sed. ☐ Water ☐ Waste ☐
Sample Names: all + MS/MSD + Duplicate

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☑	☐	☐	
b) Sampling team indicated?	☑	☐	☐	
c) Sample location noted?	☑	☐	☐	
d) Sample depth indicated (Soils)?	☑	☐	☐	
e) Sample type indicated (grab/composite)?	☑	☐	☐	
f) Field QC noted?	☑	☐	☐	
g) Field parameters collected (note types)?	☑	☐	☐	PID
h) Field Calibration within control limits?	☑	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☑	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☑	☐	

Note Deficiencies:

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☑	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☑	☐	☐	
c) Were samples received in good condition?	☑	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample ~~pretreatment~~ Extract?	☑	☐	☐	14 Days
b) Were hold times met for sample analysis?	☑	☐	☐	40 Analyze
c) Were the correct preservatives used?	☑	☐	☐	
d) Was the correct method used?	☑	☐	☐	
e) Were appropriate reporting limits achieved?	☑	☐	☐	
f) Were any sample dilutions noted?	☑	☐	☐	
g) Were any matrix problems noted?	☐	☑	☐	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Initial Calibration (IC)	YES	NO	NA	COMMENTS
a) Were correct standards used for IC?	☐	☐	☑	
a) Was the correct initial calibration used?	☐	☐	☑	
b) Were correct standards used for results calculations?	☐	☐	☑	
c) Were SPCC compounds RRF > 0.3/0.05?	☐	☐	☑	
d) Were other compounds RRF > 0.05?	☐	☐	☑	
e) Was the %RSD < 30%? *(Fill in alternate criteria as appropriate)*	☐	☐	☑	

Continuing Calibration (CC)	YES	NO	NA	COMMENTS
a) Were correct standards used for CC?	☐	☐	☑	
b) Was the correct continuing calibration used?	☐	☐	☑	
c) Were correct standards used for results calculations?	☐	☐	☑	
d) Were SPCC compounds RRF >0.3/0.05?	☐	☐	☑	
e) Were other compounds RRF > 0.05?	☐	☐	☑	
f) Was the %D < 25% (for low conc. water %D<30%)? *(Fill in alternate criteria as appropriate)*	☐	☐	☑	

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☑	☐	
b) Was a method blank analysis performed according to the method used?	☑	☐	☐	
c) Was a method blank analysis performed for each instrument used for sample analyses?	☑	☐	☐	
d) Were analytes detected in the instrument blank(s)?	☐	☐	☑	
e) Were analytes detected in the field blank(s)?	☐	☐	☑	
f) Were analytes detected in the equipment blank(s)?	☐	☐	☑	
g) Were analytes detected in the trip blank(s)?	☐	☐	☑	

Surrogate (System Monitoring) Compounds	YES	NO	NA	COMMENTS
a) Were surrogate compounds added to all samples?	☑	☐	☐	JD/UJ
b) Were recoveries within control limits?	☐	☑	☐	
c) Were surrogate recoveries not calculated due to dilutions?	☑	☐	☐	
d) Were recoveries not calculated due to interference?	☐	☑	☐	

~~Pesticide~~ Herb/PCB Calibration	YES	NO	NA	COMMENTS
a) Do standard retention times fall within RT windows?	☑	☐	☐	
b) Are linearity criteria achieved (IC)?	☑	☐	☐	
c) Criteria for peaks in Resolution Check achieved?	☐	☐	☑	
d) DDT and Endrin breakdown criteria achieved?	☐	☐	☑	
e) % Drift criteria achieved on both columns?	☐	☐	☑	
f) Are PEM CC criteria achieved (±25%)?	☐	☐	☑	
g) Are INDA/B CC criteria achieved (±25%)?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Pesticide/PCB Analytical Sequence / Quantitation	YES	NO	NA	COMMENTS
a) Was proper analytical sequence followed?	☑	☐	☐	
b) Were all samples within 12 hr of std and Inst Blk?	☑	☐	☐	
c) Specific multi-comp stds run w/i 72 hr of sample?	☐	☐	☑	
d) Cleanup performed on extracts?	☐	☐	☑	
e) If performed, were %R criteria for checks achieved?	☐	☐	☑	
f) Sample RT within Standard RT windows?	☑	☐	☐	
g) %D for positive results on both columns <25%?	☐	☑	☐	P Flagged by Lab
h) Aroclor pattern present and meets criteria?	☐	☐	☑	
i) Were there any false negatives?	☐	☑	☐	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met (note %R)?	☐	☑	☐	Recovered high on select analytes.
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	No qual.
b) Was MSD accuracy criteria met (note %R)?	☐	☑	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
c) Were MS/MSD precision criteria met (note RPD)?	☐	☑	☐	only one analyte was outside limits

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☑	☐	☐	
b) Were the proper compounds included in the LCS?	☑	☐	☐	
c) Was the LCS accuracy criteria met?	☑	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☑	☐	☐	Queeny 5-4-8, Duplicate
b) Were field dup. precision criteria met (note RPD)?	☑	☐	☐	< 100 RPD ~ 15 %
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☐	☑	
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☑	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☐	☑	
b) Was the %D within control limits?	☐	☐	☑	

Split Sample Results	YES	NO	NA	COMMENTS
a) Were split samples collected (indicate IDs)?	☐	☐	☑	
b) Were the split sample results within criteria?	☐	☐	☑	

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Comments/Notes:

QA LEVEL 3 - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
Queeny-4-1.8-8	All		JD/UJ	Surrogateds not calculated
4-1.8-8 DL				due to sample Dilution 1
4-8-12 DL				
3-4-8				
3-4-8 DL				
3-8-15				
3-8-15 DL				
2-4-8				
2-4-8 DL				
2-8-16				
2-8-16 DL				

Signature: [signature] Date: 8/2/07

QA LEVEL 3 - INORGANIC DATA EVALUATION CHECKLIST

Company Name: Golder Associates
Project Manager: R. Booth
Project Name: Solutia Queeny Utility Corridor
Project Number: 043-9670
Reviewer: J. White
Validation Date: 8/2/07

Laboratory: STL - Savannah
SDG #: SQUC01
Analytical Method (type and no.): Cyanide 9012
Matrix: ☐ Air ☒ Soil/Sed. ☐ Water ☐ Waste ☐
Sample Names All + MS/MSD + Duplicate

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☑	☐	☐	
b) Sampling team indicated?	☑	☐	☐	
c) Sample location noted?	☑	☐	☐	
d) Sample depth indicated (Soils)?	☑	☐	☐	
e) Sample type indicated (grab/composite)?	☑	☐	☐	
f) Field QC noted?	☑	☐	☐	
g) Field parameters collected (note types)?	☑	☐	☐	PID
h) Field Calibration within control limits?	☑	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☑	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☑	☐	

Note Deficiencies:

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☑	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☑	☐	☐	
c) Were samples received in good condition?	☑	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☑	☐	☐	
b) Were hold times met for sample analysis?	☑	☐	☐	4°C ± 2°C
c) Were the correct preservatives used?	☑	☐	☐	
d) Was the correct method used?	☑	☐	☐	
e) Were appropriate reporting limits achieved?	☑	☐	☐	
f) Were any sample dilutions noted?	☐	☑	☐	
g) Were any matrix problems noted?	☐	☑	☐	

QA LEVEL 3 - INORGANIC DATA EVALUATION CHECKLIST

Calibration Verification (ICV/CCV)	YES	NO	NA	COMMENTS
a) Complete for all target metals and CN?	☑	☐	☐	
b) ICV criteria achieved?	☑	☐	☐	
c) CCV criteria achieved?	☑	☐	☐	
d) CCV analyzed every 2 hours or 10 samples?	☐	☐	☑	
e) CRDL standard analyzed for ICP and AA?	☐	☐	☑	(not necessarily required for SW846)
f) If analyzed, run at appropriate frequency?	☐	☐	☑	
g) If analyzed, within control limits?	☐	☐	☑	

Blanks	YES	NO	NA	COMMENTS
a) Were blanks performed at required frequency?	☑	☐	☐	
b) Were analytes detected in the prep blank(s)?	☐	☑	☐	
c) ICB/CCB for all target metals and CN?	☐	☐	☑	
d) ICB criteria achieved?	☐	☐	☑	
e) CCB criteria achieved?	☐	☐	☑	
f) CCB analyzed every 2 hours or 10 samples?	☐	☐	☑	
g) Were analytes detected in the field/equip blank(s)?	☐	☐	☑	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met (note %R)?	☐	☑	☐	+ Result "J"
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
b) Was MSD accuracy criteria met (note %R)?	☐	☑	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
c) Were MS/MSD precision criteria met (note RPD)?	☐	☑	☐	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
d) Was a LCS analyzed once per SDG?	☑	☐	☐	
e) Were the proper analytes included in the LCS?	☑	☐	☐	
f) Was the LCS accuracy criteria met?	☑	☐	☐	

Duplicates (Lab and Field)	YES	NO	NA	COMMENTS
g) Were field duplicates collected (note original and duplicate sample names)?	☑	☐	☐	5-4-8, Duplicate
h) Were field dup. precision criteria met (note RPD)?	☑	☐	☐	<100% RPD
i) Were lab duplicates analyzed (note original and duplicate samples)?	☑	☐	☐	
j) Were lab dup. precision criteria met (note RPD)?	☑	☐	☐	

QA LEVEL 3 - INORGANIC DATA EVALUATION CHECKLIST

ICP Serial Dilution	YES	NO	NA	COMMENTS
a) Was a ICP SD analyzed once per SDG?	☐	☐	☑	
b) Was the ICP SD criteria met?	☐	☐	☑	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, analytes included and concentrations)?	☐	☐	☑	
b) Was the %D within control limits?	☐	☐	☑	

Split Sample Results	YES	NO	NA	COMMENTS
a) Were split samples collected (indicate IDs)?	☐	☐	☑	
b) Were the split sample results within criteria?	☐	☐	☑	

Comments/Notes:

QA LEVEL 3 - INORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
Queen 7-4-8	Cyanide, tot		J	MS low recovery
4-1.8-8				MSD (post digest) > 75%
4-8-12				
3-4-8				
3-8-15				
2-4-8				
2-8-16				
1-4-8				

Signature: [signature] Date: 8/2/07

QA LEVEL 3 - INORGANIC DATA EVALUATION CHECKLIST

Company Name: Golder Associates
Project Name: Solutia Queeny Utility Corridor
Reviewer: J. White

Project Manager: R. Booth
Project Number: 043-9670
Validation Date: 8/2/07

Laboratory: STL-Savannah
SDG #:
Analytical Method (type and no.): 6010 B / 7471 A metals / mercury
Matrix: ☐ Air ☒ Soil/Sed. ☐ Water ☐ Waste ☐
Sample Names MB, MS/MSD, Duplicate

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☑	☐	☐	
b) Sampling team indicated?	☑	☐	☐	
c) Sample location noted?	☑	☐	☐	
d) Sample depth indicated (Soils)?	☑	☐	☐	
e) Sample type indicated (grab/composite)?	☑	☐	☐	
f) Field QC noted?	☑	☐	☐	
g) Field parameters collected (note types)?	☑	☐	☐	PID
h) Field Calibration within control limits?	☑	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☑	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☑	☐	

Note Deficiencies:

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☑	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☑	☐	☐	
c) Were samples received in good condition?	☑	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☐	☐	☑	
b) Were hold times met for sample analysis?	☑	☐	☐	180 28 Hg
c) Were the correct preservatives used?	☑	☐	☐	
d) Was the correct method used?	☑	☐	☐	
e) Were appropriate reporting limits achieved?	☑	☐	☐	
f) Were any sample dilutions noted?	☑	☐	☐	
g) Were any matrix problems noted?	☐	☑	☐	

QA LEVEL 3 - INORGANIC DATA EVALUATION CHECKLIST

Calibration Verification (ICV/CCV)	YES	NO	NA	COMMENTS
a) Complete for all target metals and CN?	☑	☐	☐	
b) ICV criteria achieved?	☑	☐	☐	
c) CCV criteria achieved?	☑	☐	☐	
d) CCV analyzed every 2 hours or 10 samples?	☑	☐	☐	
e) CRDL standard analyzed for ICP and ~~AA~~?	☑	☐	☐	(not necessarily required for SW846)
f) If analyzed, run at appropriate frequency?	☑	☐	☐	
g) If analyzed, within control limits?	☑	☐	☐	

Blanks	YES	NO	NA	COMMENTS
a) Were blanks performed at required frequency?	☑	☐	☐	
b) Were analytes detected in the prep blank(s)?	☑	☐	☐	
c) ICB/CCB for all target metals and ~~CN~~?	☑	☐	☐	
d) ICB criteria achieved?	☐	☑	☐	} some Detects
e) CCB criteria achieved?	☐	☑	☐	
f) CCB analyzed every 2 hours or 10 samples?	☑	☐	☐	
g) Were analytes detected in the field/equip blank(s)?	☐	☐	☑	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met (note %R)?	☐	☑	☐	See notes
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
b) Was MSD accuracy criteria met (note %R)?	☐	☑	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☑	☐	
c) Were MS/MSD precision criteria met (note RPD)?	☐	☑	☐	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
d) Was a LCS analyzed once per SDG?	☑	☐	☐	
e) Were the proper analytes included in the LCS?	☑	☐	☐	
f) Was the LCS accuracy criteria met?	☑	☐	☐	

Duplicates (Lab and Field)	YES	NO	NA	COMMENTS
g) Were field duplicates collected (note original and duplicate sample names)?	☑	☐	☐	5-4-8, Duplicate
h) Were field dup. precision criteria met (note RPD)?	☑	☐	☐	<100 RPD
i) Were lab duplicates analyzed (note original and duplicate samples)?	☑	☐	☐	
j) Were lab dup. precision criteria met (note RPD)?	☐	☑	☐	manganese 37.3 RPD, all others pass <25 RPD

QA LEVEL 3 - INORGANIC DATA EVALUATION CHECKLIST

ICP Serial Dilution	YES	NO	NA	COMMENTS
a) Was a ICP SD analyzed once per SDG?	☑	☐	☐	
b) Was the ICP SD criteria met?	☑	☐	☐	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, analytes included and concentrations)?	☐	☐	☑	
b) Was the %D within control limits?	☐	☐	☑	

Split Sample Results	YES	NO	NA	COMMENTS
a) Were split samples collected (indicate IDs)?	☐	☐	☑	
b) Were the split sample results within criteria?	☐	☐	☑	

Comments/Notes:

ICal Antimony 2.158 J
CC Antimony 4.036 J
CC Aluminum -62.168 J
CC Arsenic -4.292 J
PB Aluminum -6.534 J
PB Arsenic -0.577 J
PB Lead 0.34 J
CC Copper 2.269 J
CC Iron 22.119 J
CC Thallium 8.623 J

MS/MSD
Aluminum J Flag + Results
Calcium J
Iron J
Magnesium J
Manganese J
Mercury J

QA LEVEL 3 - INORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
Queeny-8-4-6,9	Copper		J	CC Blank
	Thallium		UJ	↓
	Al		J	Low ms/msD Recovery
	Calcium		J	
	Iron		J	UJ
All (+) Samples	magnesium		J	
	manganese		J	
	mercury		J	↓
5-4-8	Antimony		UJ	CC Blank
4-8-12	Thallium		UJ	
3-4-8	Antimony		UJ	
3-8-15	Thallium		UJ	
2-4-8	Antimony		UJ	
1-4-8	Antimony		UJ	
Duplicate	Antimony		UJ	
	Thallium		UJ	

Signature: [signature] Date: 8/2/07

STL

ANALYTICAL REPORT

Job Number: 680-27416-1

SDG Number: SQUC01

Job Description: Solutia Area1 Utility Corridor June 2007

For:
Solutia Inc.
500 Monsanto
Sauget, IL 62206-1198

Attention: Mr. Richard Williams

Lidya Gulizia
Project Manager I
lgulizia@stl-inc.com

07/31/2007

cc: Mr. Rick Booth

Project Manager: Lidya Gulizia

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the STL Project Manager who signed this report.

Severn Trent Laboratories, Inc.
STL Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 351-3673 www.stl-inc.com

Job Narrative
680-J27416-1 / SDG SQUC01

Receipt

Due to field limitations, the laboratory received several samples with limited sample volume. The client advised the laboratory of this circumstance prior to sample receipt.

All sample containers were received intact and within temperature requirements.

A portion of each sample was transferred to TestAmerica Sacramento (formerly STL Sacramento) for dioxin analysis and the results are provided in job series 680-27416-2.

GC/MS VOA
The Encore vials submitted for several samples were less than five grams. The sample weights for all of the volatile samples were recorded and are provided in the analytical report and volatiles data package.

Method 8260B: Surrogate recoveries could not be reported in the following samples due to the level of dilution required for analysis: lab ID 680-27416-5, -6, -7 and -8.

Method 8260B: Surrogate recovery for sample 680-27416-H-13-C MS was outside control limits. This sample was re-extracted and/or re-analyzed with concurring results. The original analysis has been reported.

Method 8260B: Surrogate recovery for samples, 680-27416-7 and 680-27416-11 were high outside of control limits. Both samples were diluted due to target analytes but all surrogates were diluted out.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Samples 27416-6, -7, -8, -10, -12, -13 (and associated -13 MS/MSD), and -14 were diluted due to the nature of the sample matrix. Elevated reporting limits (RLs) are provided.

Due to the sample matrix, samples 27416-5 and -11 were concentrated down to 10 milliliters (ml) rather than 1ml which resulted in the dilution of the surrogates below the working calibration range (10ug/ml).

No other analytical or quality issues were noted.

GC Semi VOA
Method 8081A_8082: Samples 680-27416-12 and 680-27416-13 were diluted due to the presence of sample matrix. Elevated reporting limits (RLs) are provided.

Method 8081A_8082: Matrix spikes could not be evaluated for recoveries due to sample matrix interferences which required sample dilution. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Comments
Refer to the data packages for complete narratives per parameter.

METHOD SUMMARY

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	STL SAV	SW846 8260B	
Closed System Purge & Trap/Field Preservation	STL SAV		SW846 5035
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	STL SAV	SW846 8270C	
Ultrasonic Extraction	STL SAV		SW846 3550B
Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography	STL SAV	SW846 8081A_8082	
Ultrasonic Extraction	STL SAV		SW846 3550B
Chlorinated Herbicides by GC	STL SAV	SW846 8151A	
Chlorinated Herbicides by GC - Solids Prep	STL SAV		SW846 8151A
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL SAV	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL SAV	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL SAV		SW846 7471A
Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation)	STL SAV	SW846 9012A	
Total and Amenable Cyanide (Auto. Colorimetric	STL SAV		SW846 9012A
Percent Moisture	STL SAV	EPA PercentMoisture	
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL SAV	SW846 8260B	
Purge-and-Trap	STL SAV		SW846 5030B

LAB REFERENCES:

STL SAV = STL Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Client: Solutia Inc.

METHOD / ANALYST SUMMARY

Job Number: 680-27416-1
Sdg Number: SQUC01

Method	Analyst	Analyst ID
SW846 8260B	Fields, Robert	RF
SW846 8260B	LeSeane, Latika Rene	LL
SW846 8270C	Johnson, Brad	BJ
SW846 8270C	Loomis, Eric	EL
SW846 8081A_8082	Kellar, Joshua	JK
SW846 8151A	Kellar, Joshua	JK
SW846 6010B	Bland, Brian	BB
SW846 7471A	Bland, Brian	BB
SW846 9012A	Riley, Lisa	LR

SAMPLE SUMMARY

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-27416-1	QUEENY-8-4-6.9	Solid	06/07/2007 1515	06/08/2007 0904
680-27416-2	QUEENY-7-4-8	Solid	06/07/2007 1450	06/08/2007 0904
680-27416-3	QUEENY-6-4-8	Solid	06/07/2007 1415	06/08/2007 0904
680-27416-4	QUEENY-5-4-8	Solid	06/07/2007 1350	06/08/2007 0904
680-27416-5	QUEENY-4-1.8-8	Solid	06/07/2007 1310	06/08/2007 0904
680-27416-6	QUEENY-4-8-12	Solid	06/07/2007 1330	06/08/2007 0904
680-27416-7	QUEENY-3-4-8	Solid	06/07/2007 1215	06/08/2007 0904
680-27416-8	QUEENY-3-8-15	Solid	06/07/2007 1230	06/08/2007 0904
680-27416-9	QUEENY-3-0-4	Solid	06/07/2007 1210	06/08/2007 0904
680-27416-10	QUEENY-2-4-8	Solid	06/07/2007 1140	06/08/2007 0904
680-27416-11	QUEENY-2-8-16	Solid	06/07/2007 1205	06/08/2007 0904
680-27416-12	QUEENY-1-4-8	Solid	06/07/2007 1110	06/08/2007 0904
680-27416-13	QUEENY-1-8-15	Solid	06/07/2007 1135	06/08/2007 0904
680-27416-13MS	QUEENY-1-8-15 MS	Solid	06/07/2007 1135	06/08/2007 0904
680-27416-13MSD	QUEENY-1-8-15 MSD	Solid	06/07/2007 1135	06/08/2007 0904
680-27416-14FD	DUPLICATE	Solid	06/07/2007 0000	06/08/2007 0904
680-27416-15TB	TRIP BLANK	Water	06/07/2007 0000	06/08/2007 0904

SAMPLE RESULTS

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-8-4-6.9**

Lab Sample ID: 680-27416-1
Client Matrix: Solid
% Moisture: 18.0
Date Sampled: 06/07/2007 1515
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 06/20/2007 1437
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78310
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0400.d
Initial Weight/Volume: 4.1 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		7.4	U	0.74	7.4
1,1,2-Trichloroethane		7.4	U	1.8	7.4
1,2-Dichloroethane		7.4	U	1.5	7.4
1,1,1-Trichloroethane		7.4	U	0.86	7.4
1,1,2,2-Tetrachloroethane		7.4	U	2.1	7.4
cis-1,2-Dichloroethene		7.4	U	0.94	7.4
trans-1,2-Dichloroethene		7.4	U	1.4	7.4
1,2-Dichloropropane		7.4	U	1.6	7.4
1,1-Dichloroethene		7.4	U	0.80	7.4
2-Butanone		37	U	4.0	37
2-Hexanone		37	U	3.1	37
4-Methyl-2-pentanone		37	U	4.3	37
Acetone		50	J	6.5	74
Benzene		3.1	J	1.2	7.4
Bromodichloromethane		7.4	U	1.2	7.4
Bromoform		7.4	U	1.6	7.4
Bromomethane		7.4	U	2.4	7.4
Carbon disulfide		6.2	J	0.76	7.4
Carbon tetrachloride		7.4	U	1.5	7.4
Chlorobenzene		6.7	J	1.1	7.4
Chloroethane		7.4	U	1.8	7.4
Chloroform		7.4	U	0.74	7.4
Chloromethane		7.4	U	1.1	7.4
cis-1,3-Dichloropropene		7.4	U	1.3	7.4
Dibromochloromethane		7.4	U	0.74	7.4
Ethylbenzene		7.4	U	1.1	7.4
Methylene Chloride		7.4	U	1.5	7.4
Styrene		7.4	U	0.98	7.4
Tetrachloroethene		7.4	U	1.1	7.4
Toluene		4.8	J	1.2	7.4
trans-1,3-Dichloropropene		7.4	U	1.3	7.4
Trichloroethene		7.4	U	1.5	7.4
Vinyl chloride		7.4	U	0.86	7.4
Xylenes, Total		15	U	3.4	15

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	88	65 - 132
4-Bromofluorobenzene	118	65 - 124
Dibromofluoromethane	95	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-7-4-8**

Lab Sample ID: 680-27416-2
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 06/07/2007 1450
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 06/19/2007 1807
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78286
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0391.d
Initial Weight/Volume: 3.4 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		8.8	U	0.88	8.8
1,1,2-Trichloroethane		8.8	U	2.1	8.8
1,2-Dichloroethane		8.8	U	1.8	8.8
1,1,1-Trichloroethane		8.8	U	1.0	8.8
1,1,2,2-Tetrachloroethane		8.8	U	2.5	8.8
cis-1,2-Dichloroethene		8.8	U	1.1	8.8
trans-1,2-Dichloroethene		8.8	U	1.7	8.8
1,2-Dichloropropane		8.8	U	1.9	8.8
1,1-Dichloroethene		8.8	U	0.95	8.8
2-Butanone		10	J	4.8	44
2-Hexanone		44	U	3.7	44
4-Methyl-2-pentanone		44	U	5.1	44
Acetone		93		7.8	88
Benzene		8.8	U	1.4	8.8
Bromodichloromethane		8.8	U	1.5	8.8
Bromoform		8.8	U	1.9	8.8
Bromomethane		8.8	U	2.8	8.8
Carbon disulfide		8.8	U	0.90	8.8
Carbon tetrachloride		8.8	U	1.8	8.8
Chlorobenzene		13		1.3	8.8
Chloroethane		8.8	U	2.1	8.8
Chloroform		8.8	U	0.88	8.8
Chloromethane		8.8	U	1.3	8.8
cis-1,3-Dichloropropene		8.8	U	1.5	8.8
Dibromochloromethane		8.8	U	0.88	8.8
Ethylbenzene		8.8	U	1.3	8.8
Methylene Chloride		8.8	U *	1.8	8.8
Styrene		8.8	U	1.2	8.8
Tetrachloroethene		8.8	U	1.3	8.8
Toluene		8.8	U	1.4	8.8
trans-1,3-Dichloropropene		8.8	U	1.5	8.8
Trichloroethene		8.8	U	1.8	8.8
Vinyl chloride		8.8	U	1.0	8.8
Xylenes, Total		18	U	4.1	18

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	103	65 - 132
4-Bromofluorobenzene	102	65 - 124
Dibromofluoromethane	93	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-6-4-8**

Lab Sample ID: 680-27416-3
Client Matrix: Solid
% Moisture: 12.9
Date Sampled: 06/07/2007 1415
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 06/19/2007 1828
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78286
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0392.d
Initial Weight/Volume: 3.9 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		7.4	U	0.74	7.4
1,1,2-Trichloroethane		7.4	U	1.8	7.4
1,2-Dichloroethane		7.4	U	1.5	7.4
1,1,1-Trichloroethane		7.4	U	0.85	7.4
1,1,2,2-Tetrachloroethane		7.4	U	2.1	7.4
cis-1,2-Dichloroethene		7.4	U	0.93	7.4
trans-1,2-Dichloroethene		7.4	U	1.4	7.4
1,2-Dichloropropane		7.4	U	1.6	7.4
1,1-Dichloroethene		7.4	U	0.79	7.4
2-Butanone		12	J	4.0	37
2-Hexanone		37	U	3.1	37
4-Methyl-2-pentanone		37	U	4.3	37
Acetone		170		6.5	74
Benzene		4.0	J	1.2	7.4
Bromodichloromethane		7.4	U	1.2	7.4
Bromoform		7.4	U	1.6	7.4
Bromomethane		7.4	U	2.4	7.4
Carbon disulfide		1.9	J	0.75	7.4
Carbon tetrachloride		7.4	U	1.5	7.4
Chlorobenzene		140		1.1	7.4
Chloroethane		7.4	U	1.8	7.4
Chloroform		7.4	U	0.74	7.4
Chloromethane		7.4	U	1.0	7.4
cis-1,3-Dichloropropene		7.4	U	1.3	7.4
Dibromochloromethane		7.4	U	0.74	7.4
Ethylbenzene		7.4	U	1.1	7.4
Methylene Chloride		7.4	U *	1.5	7.4
Styrene		7.4	U	0.97	7.4
Tetrachloroethene		7.4	U	1.1	7.4
Toluene		7.4	U	1.2	7.4
trans-1,3-Dichloropropene		7.4	U	1.3	7.4
Trichloroethene		7.4	U	1.5	7.4
Vinyl chloride		7.4	U	0.85	7.4
Xylenes, Total		15	U	3.4	15

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	102	65 - 132
4-Bromofluorobenzene	93	65 - 124
Dibromofluoromethane	87	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-5-4-8**

Lab Sample ID: 680-27416-4
Client Matrix: Solid
% Moisture: 14.0
Date Sampled: 06/07/2007 1350
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 06/19/2007 1849
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78286
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0393.d
Initial Weight/Volume: 4.3 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		6.8	U	0.68	6.8
1,1,2-Trichloroethane		6.8	U	1.6	6.8
1,2-Dichloroethane		6.8	U	1.4	6.8
1,1,1-Trichloroethane		6.8	U	0.78	6.8
1,1,2,2-Tetrachloroethane		6.8	U	1.9	6.8
cis-1,2-Dichloroethene		6.8	U	0.85	6.8
trans-1,2-Dichloroethene		6.8	U	1.3	6.8
1,2-Dichloropropane		6.8	U	1.5	6.8
1,1-Dichloroethene		6.8	U	0.73	6.8
2-Butanone		15	J	3.7	34
2-Hexanone		34	U	2.8	34
4-Methyl-2-pentanone		34	U	3.9	34
Acetone		200		6.0	68
Benzene		4.2	J	1.1	6.8
Bromodichloromethane		6.8	U	1.1	6.8
Bromoform		6.8	U	1.5	6.8
Bromomethane		6.8	U	2.2	6.8
Carbon disulfide		6.8	U	0.69	6.8
Carbon tetrachloride		6.8	U	1.4	6.8
Chlorobenzene		110		0.99	6.8
Chloroethane		6.8	U	1.6	6.8
Chloroform		6.8	U	0.68	6.8
Chloromethane		6.8	U	0.96	6.8
cis-1,3-Dichloropropene		6.8	U	1.2	6.8
Dibromochloromethane		6.8	U	0.68	6.8
Ethylbenzene		6.8	U	1.0	6.8
Methylene Chloride		6.8	U *	1.4	6.8
Styrene		6.8	U	0.89	6.8
Tetrachloroethene		6.8	U	0.99	6.8
Toluene		6.8	U	1.1	6.8
trans-1,3-Dichloropropene		6.8	U	1.2	6.8
Trichloroethene		6.8	U	1.4	6.8
Vinyl chloride		6.8	U	0.78	6.8
Xylenes, Total		14	U	3.1	14

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	105	65 - 132
4-Bromofluorobenzene	91	65 - 124
Dibromofluoromethane	92	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID: 680-27416-5
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 06/07/2007 1310
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 40
Date Analyzed: 06/18/2007 1619
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78476
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0371.d
Initial Weight/Volume: 1.9 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		620	U	62	620
1,1,2-Trichloroethane		620	U	150	620
1,2-Dichloroethane		620	U	120	620
1,1,1-Trichloroethane		620	U	72	620
1,1,2,2-Tetrachloroethane		620	U	170	620
cis-1,2-Dichloroethene		620	U	78	620
trans-1,2-Dichloroethene		620	U	120	620
1,2-Dichloropropane		620	U	140	620
1,1-Dichloroethene		620	U	67	620
2-Butanone		3100	U	340	3100
2-Hexanone		3100	U	260	3100
4-Methyl-2-pentanone		3100	U	360	3100
Acetone		2400	J	550	6200
Benzene		9100		98	620
Bromodichloromethane		620	U	100	620
Bromoform		620	U	140	620
Bromomethane		620	U	200	620
Carbon disulfide		620	U	63	620
Carbon tetrachloride		620	U	120	620
Chlorobenzene		350000	E	91	620
Chloroethane		620	U	150	620
Chloroform		620	U	62	620
Chloromethane		620	U	88	620
cis-1,3-Dichloropropene		620	U	110	620
Dibromochloromethane		620	U	62	620
Ethylbenzene		700		93	620
Methylene Chloride		620	U	120	620
Styrene		620	U	82	620
Tetrachloroethene		620	U	91	620
Toluene		840		98	620
trans-1,3-Dichloropropene		620	U	110	620
Trichloroethene		620	U	120	620
Vinyl chloride		620	U	72	620
Xylenes, Total		950	J	290	1200

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	65 - 132
4-Bromofluorobenzene	111	65 - 124
Dibromofluoromethane	110	65 - 124

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID: 680-27416-5
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 06/07/2007 1310
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1000
Date Analyzed: 06/19/2007 1353
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78474
Prep Batch: 680-77417
Run Type: DL

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0381.d
Initial Weight/Volume: 1.9 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		16000	U	1600	16000
1,1,2-Trichloroethane		16000	U	3700	16000
1,2-Dichloroethane		16000	U	3100	16000
1,1,1-Trichloroethane		16000	U	1800	16000
1,1,2,2-Tetrachloroethane		16000	U	4400	16000
cis-1,2-Dichloroethene		16000	U	2000	16000
trans-1,2-Dichloroethene		16000	U	3000	16000
1,2-Dichloropropane		16000	U	3400	16000
1,1-Dichloroethene		16000	U	1700	16000
2-Butanone		78000	U	8400	78000
2-Hexanone		78000	U	6500	78000
4-Methyl-2-pentanone		78000	U	9000	78000
Acetone		160000	U	14000	160000
Benzene		11000	J D	2500	16000
Bromodichloromethane		16000	U	2600	16000
Bromoform		16000	U	3400	16000
Bromomethane		16000	U	5000	16000
Carbon disulfide		16000	U	1600	16000
Carbon tetrachloride		16000	U	3100	16000
Chlorobenzene		460000	D	2300	16000
Chloroethane		16000	U	3700	16000
Chloroform		16000	U	1600	16000
Chloromethane		16000	U	2200	16000
cis-1,3-Dichloropropene		16000	U	2700	16000
Dibromochloromethane		16000	U	1600	16000
Ethylbenzene		16000	U	2300	16000
Methylene Chloride		16000	U *	3100	16000
Styrene		16000	U	2100	16000
Tetrachloroethene		16000	U	2300	16000
Toluene		16000	U	2500	16000
trans-1,3-Dichloropropene		16000	U	2700	16000
Trichloroethene		16000	U	3100	16000
Vinyl chloride		16000	U	1800	16000
Xylenes, Total		31000	U	7200	31000

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	0	D	65 - 132
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID: 680-27416-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 06/07/2007 1330
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 40
Date Analyzed: 06/18/2007 1641
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78476
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0372.d
Initial Weight/Volume: 2.1 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		660	U	66	660
1,1,2-Trichloroethane		660	U	160	660
1,2-Dichloroethane		660	U	130	660
1,1,1-Trichloroethane		660	U	77	660
1,1,2,2-Tetrachloroethane		660	U	190	660
cis-1,2-Dichloroethene		660	U	83	660
trans-1,2-Dichloroethene		660	U	130	660
1,2-Dichloropropane		660	U	150	660
1,1-Dichloroethene		660	U	72	660
2-Butanone		3300	U	360	3300
2-Hexanone		3300	U	280	3300
4-Methyl-2-pentanone		3300	U	380	3300
Acetone		2500	J	580	6600
Benzene		48000	E	100	660
Bromodichloromethane		660	U	110	660
Bromoform		660	U	150	660
Bromomethane		660	U	210	660
Carbon disulfide		660	U	68	660
Carbon tetrachloride		660	U	130	660
Chlorobenzene		710000	E	97	660
Chloroethane		660	U	160	660
Chloroform		660	U	66	660
Chloromethane		660	U	94	660
cis-1,3-Dichloropropene		660	U	120	660
Dibromochloromethane		660	U	66	660
Ethylbenzene		5400		99	660
Methylene Chloride		660	U	130	660
Styrene		660	U	87	660
Tetrachloroethene		660	U	97	660
Toluene		650	J	100	660
trans-1,3-Dichloropropene		660	U	120	660
Trichloroethene		660	U	130	660
Vinyl chloride		660	U	77	660
Xylenes, Total		6600		300	1300

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	93	65 - 132
4-Bromofluorobenzene	105	65 - 124
Dibromofluoromethane	101	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID: 680-27416-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 06/07/2007 1330
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 2500
Date Analyzed: 06/19/2007 1414
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78474
Prep Batch: 680-77417
Run Type: DL

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0382.d
Initial Weight/Volume: 2.1 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		41000	U	4100	41000
1,1,2-Trichloroethane		41000	U	9900	41000
1,2-Dichloroethane		41000	U	8300	41000
1,1,1-Trichloroethane		41000	U	4800	41000
1,1,2,2-Tetrachloroethane		41000	U	12000	41000
cis-1,2-Dichloroethene		41000	U	5200	41000
trans-1,2-Dichloroethene		41000	U	8000	41000
1,2-Dichloropropane		41000	U	9100	41000
1,1-Dichloroethene		41000	U	4500	41000
2-Butanone		210000	U	22000	210000
2-Hexanone		210000	U	17000	210000
4-Methyl-2-pentanone		210000	U	24000	210000
Acetone		410000	U	36000	410000
Benzene		50000	D	6500	41000
Bromodichloromethane		41000	U	6900	41000
Bromoform		41000	U	9100	41000
Bromomethane		41000	U	13000	41000
Carbon disulfide		41000	U	4200	41000
Carbon tetrachloride		41000	U	8300	41000
Chlorobenzene		1200000	D	6000	41000
Chloroethane		41000	U	9900	41000
Chloroform		41000	U	4100	41000
Chloromethane		41000	U	5900	41000
cis-1,3-Dichloropropene		41000	U	7200	41000
Dibromochloromethane		41000	U	4100	41000
Ethylbenzene		41000	U	6200	41000
Methylene Chloride		41000	U *	8300	41000
Styrene		41000	U	5500	41000
Tetrachloroethene		41000	U	6000	41000
Toluene		41000	U	6500	41000
trans-1,3-Dichloropropene		41000	U	7200	41000
Trichloroethene		41000	U	8300	41000
Vinyl chloride		41000	U	4800	41000
Xylenes, Total		83000	U	19000	83000

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	0	D	65 - 132
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID: 680-27416-7
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 06/07/2007 1215
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 40
Date Analyzed: 06/18/2007 1702
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78476
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0373.d
Initial Weight/Volume: 3.1 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		370	U	37	370
1,1,2-Trichloroethane		370	U	90	370
1,2-Dichloroethane		370	U	75	370
1,1,1-Trichloroethane		370	U	43	370
1,1,2,2-Tetrachloroethane		370	U	100	370
cis-1,2-Dichloroethene		370	U	47	370
trans-1,2-Dichloroethene		370	U	73	370
1,2-Dichloropropane		370	U	82	370
1,1-Dichloroethene		370	U	40	370
2-Butanone		1900	U	200	1900
2-Hexanone		1900	U	160	1900
4-Methyl-2-pentanone		1900	U	220	1900
Acetone		3700	U	330	3700
Benzene		2600		59	370
Bromodichloromethane		370	U	62	370
Bromoform		370	U	82	370
Bromomethane		370	U	120	370
Carbon disulfide		370	U	38	370
Carbon tetrachloride		370	U	75	370
Chlorobenzene		150000	E	55	370
Chloroethane		370	U	90	370
Chloroform		370	U	37	370
Chloromethane		370	U	53	370
cis-1,3-Dichloropropene		370	U	65	370
Dibromochloromethane		370	U	37	370
Ethylbenzene		380		56	370
Methylene Chloride		370	U	75	370
Styrene		370	U	49	370
Tetrachloroethene		370	U	55	370
Toluene		100	J	59	370
trans-1,3-Dichloropropene		370	U	65	370
Trichloroethene		370	U	75	370
Vinyl chloride		370	U	43	370
Xylenes, Total		250	J	170	750

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	126		65 - 132
4-Bromofluorobenzene	134	X	65 - 124
Dibromofluoromethane	128	X	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID: 680-27416-7
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 06/07/2007 1215
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 5000
Date Analyzed: 06/19/2007 1435
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78474
Prep Batch: 680-77417
Run Type: DL

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0383.d
Initial Weight/Volume: 3.1 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		47000	U	4700	47000
1,1,2-Trichloroethane		47000	U	11000	47000
1,2-Dichloroethane		47000	U	9400	47000
1,1,1-Trichloroethane		47000	U	5400	47000
1,1,2,2-Tetrachloroethane		47000	U	13000	47000
cis-1,2-Dichloroethene		47000	U	5900	47000
trans-1,2-Dichloroethene		47000	U	9100	47000
1,2-Dichloropropane		47000	U	10000	47000
1,1-Dichloroethene		47000	U	5000	47000
2-Butanone		230000	U	25000	230000
2-Hexanone		230000	U	20000	230000
4-Methyl-2-pentanone		230000	U	27000	230000
Acetone		470000	U	41000	470000
Benzene		47000	U	7400	47000
Bromodichloromethane		47000	U	7800	47000
Bromoform		47000	U	10000	47000
Bromomethane		47000	U	15000	47000
Carbon disulfide		47000	U	4800	47000
Carbon tetrachloride		47000	U	9400	47000
Chlorobenzene		160000	D	6800	47000
Chloroethane		47000	U	11000	47000
Chloroform		47000	U	4700	47000
Chloromethane		47000	U	6600	47000
cis-1,3-Dichloropropene		47000	U	8100	47000
Dibromochloromethane		47000	U	4700	47000
Ethylbenzene		47000	U	7000	47000
Methylene Chloride		47000	U *	9400	47000
Styrene		47000	U	6200	47000
Tetrachloroethene		47000	U	6800	47000
Toluene		47000	U	7400	47000
trans-1,3-Dichloropropene		47000	U	8100	47000
Trichloroethene		47000	U	9400	47000
Vinyl chloride		47000	U	5400	47000
Xylenes, Total		94000	U	22000	94000

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	0	D	65 - 132
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID: 680-27416-8
Client Matrix: Solid
% Moisture: 30.2
Date Sampled: 06/07/2007 1230
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 40
Date Analyzed: 06/18/2007 1723
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78476
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0374.d
Initial Weight/Volume: 2.6 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		550	U	55	550
1,1,2-Trichloroethane		550	U	130	550
1,2-Dichloroethane		550	U	110	550
1,1,1-Trichloroethane		550	U	64	550
1,1,2,2-Tetrachloroethane		550	U	150	550
cis-1,2-Dichloroethene		550	U	69	550
trans-1,2-Dichloroethene		550	U	110	550
1,2-Dichloropropane		550	U	120	550
1,1-Dichloroethene		550	U	59	550
2-Butanone		2800	U	300	2800
2-Hexanone		2800	U	230	2800
4-Methyl-2-pentanone		2800	U	320	2800
Acetone		1800	J	480	5500
Benzene		33000	E	87	550
Bromodichloromethane		550	U	91	550
Bromoform		550	U	120	550
Bromomethane		550	U	180	550
Carbon disulfide		550	U	56	550
Carbon tetrachloride		550	U	110	550
Chlorobenzene		610000	E	80	550
Chloroethane		550	U	130	550
Chloroform		550	U	55	550
Chloromethane		550	U	78	550
cis-1,3-Dichloropropene		550	U	96	550
Dibromochloromethane		550	U	55	550
Ethylbenzene		6900		83	550
Methylene Chloride		550	U	110	550
Styrene		550	U	73	550
Tetrachloroethene		550	U	80	550
Toluene		300	J	87	550
trans-1,3-Dichloropropene		550	U	96	550
Trichloroethene		550	U	110	550
Vinyl chloride		550	U	64	550
Xylenes, Total		4700		250	1100

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	105	65 - 132
4-Bromofluorobenzene	122	65 - 124
Dibromofluoromethane	108	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID: 680-27416-8
Client Matrix: Solid
% Moisture: 30.2
Date Sampled: 06/07/2007 1230
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 2000
Date Analyzed: 06/19/2007 1457
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78474
Prep Batch: 680-77417
Run Type: DL

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0384.d
Initial Weight/Volume: 2.6 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		28000	U	2800	28000
1,1,2-Trichloroethane		28000	U	6600	28000
1,2-Dichloroethane		28000	U	5500	28000
1,1,1-Trichloroethane		28000	U	3200	28000
1,1,2,2-Tetrachloroethane		28000	U	7700	28000
cis-1,2-Dichloroethene		28000	U	3500	28000
trans-1,2-Dichloroethene		28000	U	5300	28000
1,2-Dichloropropane		28000	U	6100	28000
1,1-Dichloroethene		28000	U	3000	28000
2-Butanone		140000	U	15000	140000
2-Hexanone		140000	U	12000	140000
4-Methyl-2-pentanone		140000	U	16000	140000
Acetone		280000	U	24000	280000
Benzene		31000	D	4400	28000
Bromodichloromethane		28000	U	4600	28000
Bromoform		28000	U	6100	28000
Bromomethane		28000	U	8800	28000
Carbon disulfide		28000	U	2800	28000
Carbon tetrachloride		28000	U	5500	28000
Chlorobenzene		810000	D	4000	28000
Chloroethane		28000	U	6600	28000
Chloroform		28000	U	2800	28000
Chloromethane		28000	U	3900	28000
cis-1,3-Dichloropropene		28000	U	4800	28000
Dibromochloromethane		28000	U	2800	28000
Ethylbenzene		5000	J D	4100	28000
Methylene Chloride		28000	U *	5500	28000
Styrene		28000	U	3600	28000
Tetrachloroethene		28000	U	4000	28000
Toluene		28000	U	4400	28000
trans-1,3-Dichloropropene		28000	U	4800	28000
Trichloroethene		28000	U	5500	28000
Vinyl chloride		28000	U	3200	28000
Xylenes, Total		55000	U	13000	55000

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	0	D	65 - 132
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID: 680-27416-9
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 06/07/2007 1210
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 06/19/2007 1910
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78286
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0394.d
Initial Weight/Volume: 3.5 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		8.5	U	0.85	8.5
1,1,2-Trichloroethane		8.5	U	2.0	8.5
1,2-Dichloroethane		8.5	U	1.7	8.5
1,1,1-Trichloroethane		8.5	U	0.99	8.5
1,1,2,2-Tetrachloroethane		8.5	U	2.4	8.5
cis-1,2-Dichloroethene		8.5	U	1.1	8.5
trans-1,2-Dichloroethene		8.5	U	1.6	8.5
1,2-Dichloropropane		8.5	U	1.9	8.5
1,1-Dichloroethene		8.5	U	0.92	8.5
2-Butanone		11	J	4.6	42
2-Hexanone		42	U	3.6	42
4-Methyl-2-pentanone		42	U	4.9	42
Acetone		200		7.5	85
Benzene		25		1.3	8.5
Bromodichloromethane		8.5	U	1.4	8.5
Bromoform		8.5	U	1.9	8.5
Bromomethane		8.5	U	2.7	8.5
Carbon disulfide		2.1	J	0.87	8.5
Carbon tetrachloride		8.5	U	1.7	8.5
Chlorobenzene		1200	E	1.2	8.5
Chloroethane		8.5	U	2.0	8.5
Chloroform		8.5	U	0.85	8.5
Chloromethane		8.5	U	1.2	8.5
cis-1,3-Dichloropropene		8.5	U	1.5	8.5
Dibromochloromethane		8.5	U	0.85	8.5
Ethylbenzene		8.5	U	1.3	8.5
Methylene Chloride		8.5	U *	1.7	8.5
Styrene		8.5	U	1.1	8.5
Tetrachloroethene		8.5	U	1.2	8.5
Toluene		8.5	U	1.3	8.5
trans-1,3-Dichloropropene		8.5	U	1.5	8.5
Trichloroethene		8.5	U	1.7	8.5
Vinyl chloride		8.5	U	0.99	8.5
Xylenes, Total		17	U	3.9	17

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	80	65 - 132
4-Bromofluorobenzene	93	65 - 124
Dibromofluoromethane	105	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID: 680-27416-9
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 06/07/2007 1210
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1000
Date Analyzed: 06/20/2007 1903
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78475
Prep Batch: 680-77417
Run Type: DL

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0408.d
Initial Weight/Volume: 3.4 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		8700	U	870	8700
1,1,2-Trichloroethane		8700	U	2100	8700
1,2-Dichloroethane		8700	U	1700	8700
1,1,1-Trichloroethane		8700	U	1000	8700
1,1,2,2-Tetrachloroethane		8700	U	2400	8700
cis-1,2-Dichloroethene		8700	U	1100	8700
trans-1,2-Dichloroethene		8700	U	1700	8700
1,2-Dichloropropane		8700	U	1900	8700
1,1-Dichloroethene		8700	U	940	8700
2-Butanone		44000	U	4700	44000
2-Hexanone		44000	U	3700	44000
4-Methyl-2-pentanone		44000	U	5100	44000
Acetone		87000	U	7700	87000
Benzene		9800	D	1400	8700
Bromodichloromethane		8700	U	1500	8700
Bromoform		8700	U	1900	8700
Bromomethane		8700	U	2800	8700
Carbon disulfide		8700	U	890	8700
Carbon tetrachloride		8700	U	1700	8700
Chlorobenzene		42000	D	1300	8700
Chloroethane		8700	U	2100	8700
Chloroform		8700	U	870	8700
Chloromethane		8700	U	1200	8700
cis-1,3-Dichloropropene		8700	U	1500	8700
Dibromochloromethane		8700	U	870	8700
Ethylbenzene		8700	U	1300	8700
Methylene Chloride		8700	U	1700	8700
Styrene		8700	U	1200	8700
Tetrachloroethene		8700	U	1300	8700
Toluene		8700	U	1400	8700
trans-1,3-Dichloropropene		8700	U	1500	8700
Trichloroethene		8700	U	1700	8700
Vinyl chloride		8700	U	1000	8700
Xylenes, Total		17000	U	4000	17000

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	0	D	65 - 132
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID: 680-27416-10
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 06/07/2007 1140
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 06/19/2007 1931
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78286
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0395.d
Initial Weight/Volume: 3.1 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		10	U	1.0	10
1,1,2-Trichloroethane		10	U	2.4	10
1,2-Dichloroethane		10	U	2.0	10
1,1,1-Trichloroethane		10	U	1.2	10
1,1,2,2-Tetrachloroethane		10	U	2.8	10
cis-1,2-Dichloroethene		10	U	1.3	10
trans-1,2-Dichloroethene		10	U	2.0	10
1,2-Dichloropropane		10	U	2.2	10
1,1-Dichloroethene		10	U	1.1	10
2-Butanone		94		5.4	50
2-Hexanone		50	U	4.2	50
4-Methyl-2-pentanone		50	U	5.8	50
Acetone		620		8.9	100
Benzene		1700	E	1.6	10
Bromodichloromethane		10	U	1.7	10
Bromoform		10	U	2.2	10
Bromomethane		10	U	3.2	10
Carbon disulfide		16		1.0	10
Carbon tetrachloride		10	U	2.0	10
Chlorobenzene		27000	E	1.5	10
Chloroethane		10	U	2.4	10
Chloroform		10	U	1.0	10
Chloromethane		10	U	1.4	10
cis-1,3-Dichloropropene		10	U	1.8	10
Dibromochloromethane		10	U	1.0	10
Ethylbenzene		62		1.5	10
Methylene Chloride		10	U *	2.0	10
Styrene		10	U	1.3	10
Tetrachloroethene		10	U	1.5	10
Toluene		6.6	J	1.6	10
trans-1,3-Dichloropropene		10	U	1.8	10
Trichloroethene		10	U	2.0	10
Vinyl chloride		10	U	1.2	10
Xylenes, Total		110		4.6	20

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	81	65 - 132
4-Bromofluorobenzene	92	65 - 124
Dibromofluoromethane	108	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID: 680-27416-10
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 06/07/2007 1140
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 200
Date Analyzed: 06/20/2007 1800
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78475
Prep Batch: 680-77417
Run Type: DL

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0405.d
Initial Weight/Volume: 3.0 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		2100	U	210	2100
1,1,2-Trichloroethane		2100	U	500	2100
1,2-Dichloroethane		2100	U	420	2100
1,1,1-Trichloroethane		2100	U	240	2100
1,1,2,2-Tetrachloroethane		2100	U	580	2100
cis-1,2-Dichloroethene		2100	U	260	2100
trans-1,2-Dichloroethene		2100	U	400	2100
1,2-Dichloropropane		2100	U	460	2100
1,1-Dichloroethene		2100	U	220	2100
2-Butanone		10000	U	1100	10000
2-Hexanone		10000	U	870	10000
4-Methyl-2-pentanone		10000	U	1200	10000
Acetone		21000	U	1800	21000
Benzene		900	J D	330	2100
Bromodichloromethane		2100	U	350	2100
Bromoform		2100	U	460	2100
Bromomethane		2100	U	670	2100
Carbon disulfide		2100	U	210	2100
Carbon tetrachloride		2100	U	420	2100
Chlorobenzene		27000	D	300	2100
Chloroethane		2100	U	500	2100
Chloroform		2100	U	210	2100
Chloromethane		2100	U	300	2100
cis-1,3-Dichloropropene		2100	U	360	2100
Dibromochloromethane		2100	U	210	2100
Ethylbenzene		2100	U	310	2100
Methylene Chloride		2100	U	420	2100
Styrene		2100	U	270	2100
Tetrachloroethene		2100	U	300	2100
Toluene		2100	U	330	2100
trans-1,3-Dichloropropene		2100	U	360	2100
Trichloroethene		2100	U	420	2100
Vinyl chloride		2100	U	240	2100
Xylenes, Total		4200	U	960	4200

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	79	65 - 132
4-Bromofluorobenzene	88	65 - 124
Dibromofluoromethane	89	65 - 124

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID: 680-27416-11
Client Matrix: Solid
% Moisture: 25.2
Date Sampled: 06/07/2007 1205
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 40
Date Analyzed: 06/18/2007 1744
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78476
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0375.d
Initial Weight/Volume: 1.1 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		1200	U	120	1200
1,1,2-Trichloroethane		1200	U	290	1200
1,2-Dichloroethane		1200	U	240	1200
1,1,1-Trichloroethane		1200	U	140	1200
1,1,2,2-Tetrachloroethane		1200	U	340	1200
cis-1,2-Dichloroethene		1200	U	150	1200
trans-1,2-Dichloroethene		1200	U	240	1200
1,2-Dichloropropane		1200	U	270	1200
1,1-Dichloroethene		1200	U	130	1200
2-Butanone		6100	U	660	6100
2-Hexanone		6100	U	510	6100
4-Methyl-2-pentanone		6100	U	700	6100
Acetone		2900	J	1100	12000
Benzene		220000	E	190	1200
Bromodichloromethane		1200	U	200	1200
Bromoform		1200	U	270	1200
Bromomethane		1200	U	390	1200
Carbon disulfide		1200	U	120	1200
Carbon tetrachloride		1200	U	240	1200
Chlorobenzene		2700000	E	180	1200
Chloroethane		1200	U	290	1200
Chloroform		1200	U	120	1200
Chloromethane		1200	U	170	1200
cis-1,3-Dichloropropene		1200	U	210	1200
Dibromochloromethane		1200	U	120	1200
Ethylbenzene		26000		180	1200
Methylene Chloride		1200	U	240	1200
Styrene		1200	U	160	1200
Tetrachloroethene		1200	U	180	1200
Toluene		9200		190	1200
trans-1,3-Dichloropropene		1200	U	210	1200
Trichloroethene		1200	U	240	1200
Vinyl chloride		1200	U	140	1200
Xylenes, Total		26000		560	2400

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	85		65 - 132
4-Bromofluorobenzene	125	X	65 - 124
Dibromofluoromethane	103		65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID: 680-27416-11
Client Matrix: Solid
% Moisture: 25.2
Date Sampled: 06/07/2007 1205
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 10000
Date Analyzed: 06/20/2007 1821
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78475
Prep Batch: 680-77417
Run Type: DL

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0406.d
Initial Weight/Volume: 1.1 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		300000	U	30000	300000
1,1,2-Trichloroethane		300000	U	73000	300000
1,2-Dichloroethane		300000	U	61000	300000
1,1,1-Trichloroethane		300000	U	35000	300000
1,1,2,2-Tetrachloroethane		300000	U	85000	300000
cis-1,2-Dichloroethene		300000	U	38000	300000
trans-1,2-Dichloroethene		300000	U	59000	300000
1,2-Dichloropropane		300000	U	67000	300000
1,1-Dichloroethene		300000	U	33000	300000
2-Butanone		1500000	U	160000	1500000
2-Hexanone		1500000	U	130000	1500000
4-Methyl-2-pentanone		1500000	U	180000	1500000
Acetone		3000000	U	270000	3000000
Benzene		230000	J D	48000	300000
Bromodichloromethane		300000	U	50000	300000
Bromoform		300000	U	67000	300000
Bromomethane		300000	U	97000	300000
Carbon disulfide		300000	U	31000	300000
Carbon tetrachloride		300000	U	61000	300000
Chlorobenzene		6800000	D	44000	300000
Chloroethane		300000	U	73000	300000
Chloroform		300000	U	30000	300000
Chloromethane		300000	U	43000	300000
cis-1,3-Dichloropropene		300000	U	53000	300000
Dibromochloromethane		300000	U	30000	300000
Ethylbenzene		300000	U	46000	300000
Methylene Chloride		300000	U	61000	300000
Styrene		300000	U	40000	300000
Tetrachloroethene		300000	U	44000	300000
Toluene		300000	U	48000	300000
trans-1,3-Dichloropropene		300000	U	53000	300000
Trichloroethene		300000	U	61000	300000
Vinyl chloride		300000	U	35000	300000
Xylenes, Total		610000	U	140000	610000

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	0	D	65 - 132
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-4-8**

Lab Sample ID: 680-27416-12
Client Matrix: Solid
% Moisture: 17.2
Date Sampled: 06/07/2007 1110
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 06/21/2007 2140
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78882
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0416.d
Initial Weight/Volume: 2.6 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		12	U	1.2	12
1,1,2-Trichloroethane		12	U	2.8	12
1,2-Dichloroethane		12	U	2.3	12
1,1,1-Trichloroethane		12	U	1.3	12
1,1,2,2-Tetrachloroethane		12	U	3.3	12
cis-1,2-Dichloroethene		12	U	1.5	12
trans-1,2-Dichloroethene		12	U	2.3	12
1,2-Dichloropropane		12	U	2.6	12
1,1-Dichloroethene		12	U	1.3	12
2-Butanone		49	J	6.3	58
2-Hexanone		58	U *	4.9	58
4-Methyl-2-pentanone		58	U	6.7	58
Acetone		180	B	10	120
Benzene		24		1.8	12
Bromodichloromethane		12	U	1.9	12
Bromoform		12	U	2.6	12
Bromomethane		12	U	3.7	12
Carbon disulfide		3.2	J	1.2	12
Carbon tetrachloride		12	U	2.3	12
Chlorobenzene		160		1.7	12
Chloroethane		12	U	2.8	12
Chloroform		12	U	1.2	12
Chloromethane		12	U	1.6	12
cis-1,3-Dichloropropene		12	U	2.0	12
Dibromochloromethane		12	U	1.2	12
Ethylbenzene		11	J	1.7	12
Methylene Chloride		12	U	2.3	12
Styrene		12	U	1.5	12
Tetrachloroethene		12	U	1.7	12
Toluene		9.9	J	1.8	12
trans-1,3-Dichloropropene		12	U	2.0	12
Trichloroethene		12	U	2.3	12
Vinyl chloride		12	U	1.3	12
Xylenes, Total		32		5.3	23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	78	65 - 132
4-Bromofluorobenzene	73	65 - 124
Dibromofluoromethane	97	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-8-15**

Lab Sample ID: 680-27416-13
Client Matrix: Solid
% Moisture: 16.2
Date Sampled: 06/07/2007 1135
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 40
Date Analyzed: 06/18/2007 1951
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78476
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0379.d
Initial Weight/Volume: 3.6 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		330	U	33	330
1,1,2-Trichloroethane		330	U	80	330
1,2-Dichloroethane		330	U	66	330
1,1,1-Trichloroethane		330	U	38	330
1,1,2,2-Tetrachloroethane		330	U	93	330
cis-1,2-Dichloroethene		330	U	42	330
trans-1,2-Dichloroethene		330	U	64	330
1,2-Dichloropropane		330	U	73	330
1,1-Dichloroethene		330	U	36	330
2-Butanone		1700	U	180	1700
2-Hexanone		1700	U	140	1700
4-Methyl-2-pentanone		1700	U	190	1700
Acetone		3300	U	290	3300
Benzene		330	U	52	330
Bromodichloromethane		330	U	55	330
Bromoform		330	U	73	330
Bromomethane		330	U	110	330
Carbon disulfide		330	U	34	330
Carbon tetrachloride		330	U	66	330
Chlorobenzene		920		48	330
Chloroethane		330	U	80	330
Chloroform		330	U	33	330
Chloromethane		330	U	47	330
cis-1,3-Dichloropropene		330	U	58	330
Dibromochloromethane		330	U	33	330
Ethylbenzene		330	U	50	330
Methylene Chloride		330	U	66	330
Styrene		330	U	44	330
Tetrachloroethene		330	U	48	330
Toluene		180	J	52	330
trans-1,3-Dichloropropene		330	U	58	330
Trichloroethene		330	U	66	330
Vinyl chloride		330	U	38	330
Xylenes, Total		660	U	150	660

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	92	65 - 132
4-Bromofluorobenzene	96	65 - 124
Dibromofluoromethane	100	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **DUPLICATE**

Lab Sample ID: 680-27416-14FD
Client Matrix: Solid
% Moisture: 12.7
Date Sampled: 06/07/2007 0000
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 06/20/2007 1458
Date Prepared: 06/11/2007 1437

Analysis Batch: 680-78310
Prep Batch: 680-77417

Instrument ID: GC/MS Volatiles - L
Lab File ID: I0401.d
Initial Weight/Volume: 3.8 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethane		7.5	U	0.75	7.5
1,1,2-Trichloroethane		7.5	U	1.8	7.5
1,2-Dichloroethane		7.5	U	1.5	7.5
1,1,1-Trichloroethane		7.5	U	0.87	7.5
1,1,2,2-Tetrachloroethane		7.5	U	2.1	7.5
cis-1,2-Dichloroethene		7.5	U	0.95	7.5
trans-1,2-Dichloroethene		7.5	U	1.5	7.5
1,2-Dichloropropane		7.5	U	1.7	7.5
1,1-Dichloroethene		7.5	U	0.81	7.5
2-Butanone		16	J	4.1	38
2-Hexanone		38	U	3.2	38
4-Methyl-2-pentanone		38	U	4.4	38
Acetone		220		6.6	75
Benzene		7.5	U	1.2	7.5
Bromodichloromethane		7.5	U	1.3	7.5
Bromoform		7.5	U	1.7	7.5
Bromomethane		7.5	U	2.4	7.5
Carbon disulfide		4.0	J	0.77	7.5
Carbon tetrachloride		7.5	U	1.5	7.5
Chlorobenzene		30		1.1	7.5
Chloroethane		7.5	U	1.8	7.5
Chloroform		7.5	U	0.75	7.5
Chloromethane		7.5	U	1.1	7.5
cis-1,3-Dichloropropene		7.5	U	1.3	7.5
Dibromochloromethane		7.5	U	0.75	7.5
Ethylbenzene		7.5	U	1.1	7.5
Methylene Chloride		7.5	U	1.5	7.5
Styrene		7.5	U	0.99	7.5
Tetrachloroethene		7.5	U	1.1	7.5
Toluene		7.5	U	1.2	7.5
trans-1,3-Dichloropropene		7.5	U	1.3	7.5
Trichloroethene		7.5	U	1.5	7.5
Vinyl chloride		7.5	U	0.87	7.5
Xylenes, Total		15	U	3.5	15

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	94	65 - 132
4-Bromofluorobenzene	93	65 - 124
Dibromofluoromethane	95	65 - 124

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 680-27416-15TB
Client Matrix: Water

Date Sampled: 06/07/2007 0000
Date Received: 06/08/2007 0904

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/14/2007 2221
Date Prepared: 06/14/2007 2221

Analysis Batch: 680-77865

Instrument ID: GC/MS Volatiles - A C2
Lab File ID: a2845.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.39	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.26	1.0
1,1,2-Trichloroethane	1.0	U	0.51	1.0
1,1-Dichloroethane	1.0	U	0.32	1.0
1,1-Dichloroethene	1.0	U	0.36	1.0
1,2-Dichloroethane	1.0	U	0.31	1.0
1,2-Dichloropropane	1.0	U	0.36	1.0
2-Hexanone	10	U	0.68	10
Acetone	2.3	J	1.7	25
Benzene	1.0	U	0.32	1.0
Bromoform	1.0	U	0.41	1.0
Bromomethane	1.0	U	0.50	1.0
Carbon disulfide	2.0	U	0.17	2.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.34	1.0
Chlorodibromomethane	1.0	U	0.30	1.0
Chloroethane	1.0	U	1.0	1.0
Chloroform	1.0	U	0.29	1.0
Chloromethane	1.0	U	0.28	1.0
cis-1,2-Dichloroethene	1.0	U	0.33	1.0
cis-1,3-Dichloropropene	1.0	U	0.37	1.0
Dichlorobromomethane	1.0	U	0.34	1.0
Ethylbenzene	1.0	U	0.30	1.0
Methyl Ethyl Ketone	10	U	0.60	10
methyl isobutyl ketone	10	U	0.60	10
Methylene Chloride	5.0	U	1.0	5.0
Styrene	1.0	U	0.36	1.0
Tetrachloroethene	1.0	U	0.28	1.0
Toluene	1.0	U	0.31	1.0
trans-1,2-Dichloroethene	1.0	U	0.30	1.0
trans-1,3-Dichloropropene	1.0	U	0.27	1.0
Trichloroethene	1.0	U	0.40	1.0
Vinyl chloride	1.0	U	0.20	1.0
Xylenes, Total	2.0	U	0.87	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	82 - 114
Dibromofluoromethane	112	84 - 121
Toluene-d8 (Surr)	108	86 - 120

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-8-4-6.9**

Lab Sample ID:	680-27416-1			*Date Sampled:*	06/07/2007 1515
Client Matrix:	Solid	% Moisture:	18.0	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78512		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6954.d
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Date Analyzed:	06/21/2007 1610			Final Weight/Volume:	1 mL
Date Prepared:	*06/21/2007 1125*			*Injection Volume:*	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		400	U	21	400
1,2-Dichlorobenzene		400	U	21	400
1,3-Dichlorobenzene		400	U	40	400
1,4-Dichlorobenzene		400	U	21	400
2,4,5-Trichlorophenol		400	U	82	400
2,4,6-Trichlorophenol		400	U	82	400
2,2'-oxybis[1-chloropropane]		400	U	21	400
2,4-Dichlorophenol		400	U	210	400
2,4-Dimethylphenol		400	U	21	400
2,4-Dinitrotoluene		400	U	26	400
2,6-Dinitrotoluene		400	U	24	400
2,4-Dinitrophenol		2100	U	200	2100
2-Chloronaphthalene		400	U	21	400
2-Chlorophenol		400	U	21	400
2-Methylnaphthalene		400	U	21	400
2-Methylphenol		400	U	26	400
2-Nitroaniline		2100	U	210	2100
2-Nitrophenol		400	U	28	400
3,3'-Dichlorobenzidine		800	U	21	800
3-Nitroaniline		2100	U	40	2100
4,6-Dinitro-2-methylphenol		2100	U	400	2100
4-Bromophenyl phenyl ether		400	U	21	400
4-Chloro-3-methylphenol		400	U	82	400
4-Chloroaniline		800	U	21	800
4-Chlorophenyl phenyl ether		400	U	28	400
3 & 4 Methylphenol		400	U	26	400
4-Nitroaniline		2100	U	210	2100
Acenaphthene		400	U	21	400
Acenaphthylene		400	U	21	400
Anthracene		400	U	21	400
Benzo[a]anthracene		400	U	40	400
Benzo[a]pyrene		400	U	21	400
Benzo[b]fluoranthene		400	U	21	400
Benzo[g,h,i]perylene		400	U	29	400
Benzo[k]fluoranthene		400	U	21	400
Bis(2-chloroethoxy)methane		400	U	21	400
Bis(2-chloroethyl)ether		400	U	21	400
Bis(2-ethylhexyl) phthalate		400	U	39	400
Butyl benzyl phthalate		400	U	21	400
Carbazole		400	U	21	400
Chrysene		400	U	21	400
Dibenz(a,h)anthracene		400	U	29	400
Dibenzofuran		400	U	21	400
Diethyl phthalate		400	U	22	400

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-8-4-6.9**

Lab Sample ID:	680-27416-1			Date Sampled:	06/07/2007 1515
Client Matrix:	Solid	% Moisture:	18.0	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78512		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6954.d
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Date Analyzed:	06/21/2007 1610			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		400	U	82	400
Di-n-butyl phthalate		400	U	21	400
Di-n-octyl phthalate		400	U	23	400
Fluoranthene		400	U	21	400
Fluorene		400	U	24	400
Hexachlorobenzene		400	U	24	400
Hexachlorobutadiene		400	U	26	400
Hexachlorocyclopentadiene		400	U	210	400
Hexachloroethane		400	U	21	400
Indeno[1,2,3-cd]pyrene		400	U	35	400
Isophorone		400	U	21	400
Naphthalene		400	U	21	400
Nitrobenzene		400	U	21	400
N-Nitrosodi-n-propylamine		400	U	21	400
N-Nitrosodiphenylamine		400	U	40	400
Pentachlorophenol		2100	U	210	2100
Phenanthrene		400	U	21	400
Phenol		400	U	21	400
Pyrene		400	U	21	400

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	53	44 - 110
2-Fluorophenol	54	41 - 110
Nitrobenzene-d5	44	36 - 110
Phenol-d5	54	43 - 110
Terphenyl-d14	62	10 - 112
2,4,6-Tribromophenol	60	36 - 128

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-7-4-8**

Lab Sample ID: 680-27416-2
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 06/07/2007 1450
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/21/2007 1632
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6955.d
Initial Weight/Volume: 30.38 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		1300		20	390
1,2-Dichlorobenzene		89	J	20	390
1,3-Dichlorobenzene		250	J	39	390
1,4-Dichlorobenzene		470		20	390
2,4,5-Trichlorophenol		390	U	79	390
2,4,6-Trichlorophenol		390	U	79	390
2,2'-oxybis[1-chloropropane]		390	U	20	390
2,4-Dichlorophenol		390	U	200	390
2,4-Dimethylphenol		390	U	20	390
2,4-Dinitrotoluene		390	U	25	390
2,6-Dinitrotoluene		390	U	24	390
2,4-Dinitrophenol		2000	U	190	2000
2-Chloronaphthalene		390	U	20	390
2-Chlorophenol		390	U	20	390
2-Methylnaphthalene		390	U	20	390
2-Methylphenol		390	U	25	390
2-Nitroaniline		2000	U	200	2000
2-Nitrophenol		390	U	27	390
3,3'-Dichlorobenzidine		780	U	20	780
3-Nitroaniline		2000	U	39	2000
4,6-Dinitro-2-methylphenol		2000	U	390	2000
4-Bromophenyl phenyl ether		390	U	20	390
4-Chloro-3-methylphenol		390	U	79	390
4-Chloroaniline		780	U	20	780
4-Chlorophenyl phenyl ether		390	U	27	390
3 & 4 Methylphenol		390	U	25	390
4-Nitroaniline		2000	U	200	2000
Acenaphthene		390	U	20	390
Acenaphthylene		390	U	20	390
Anthracene		390	U	20	390
Benzo[a]anthracene		89	J	39	390
Benzo[a]pyrene		110	J	20	390
Benzo[b]fluoranthene		110	J	20	390
Benzo[g,h,i]perylene		67	J	28	390
Benzo[k]fluoranthene		55	J	20	390
Bis(2-chloroethoxy)methane		390	U	20	390
Bis(2-chloroethyl)ether		390	U	20	390
Bis(2-ethylhexyl) phthalate		390	U	38	390
Butyl benzyl phthalate		390	U	20	390
Carbazole		56	J	20	390
Chrysene		190	J	20	390
Dibenz(a,h)anthracene		390	U	28	390
Dibenzofuran		390	U	20	390
Diethyl phthalate		390	U	21	390

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-7-4-8**

Lab Sample ID: 680-27416-2
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 06/07/2007 1450
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/21/2007 1632
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6955.d
Initial Weight/Volume: 30.38 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		390	U	79	390
Di-n-butyl phthalate		390	U	20	390
Di-n-octyl phthalate		390	U	23	390
Fluoranthene		150	J	20	390
Fluorene		390	U	24	390
Hexachlorobenzene		390	U	24	390
Hexachlorobutadiene		390	U	25	390
Hexachlorocyclopentadiene		390	U	200	390
Hexachloroethane		390	U	20	390
Indeno[1,2,3-cd]pyrene		50	J	34	390
Isophorone		390	U	20	390
Naphthalene		390	U	20	390
Nitrobenzene		390	U	20	390
N-Nitrosodi-n-propylamine		390	U	20	390
N-Nitrosodiphenylamine		390	U	39	390
Pentachlorophenol		2000	U	200	2000
Phenanthrene		74	J	20	390
Phenol		390	U	20	390
Pyrene		190	J	20	390

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	63	44 - 110
2-Fluorophenol	57	41 - 110
Nitrobenzene-d5	51	36 - 110
Phenol-d5	55	43 - 110
Terphenyl-d14	64	10 - 112
2,4,6-Tribromophenol	61	36 - 128

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-6-4-8**

Lab Sample ID: 680-27416-3
Client Matrix: Solid
% Moisture: 12.9
Date Sampled: 06/07/2007 1415
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/21/2007 1655
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6956.d
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		190	J	19	380
1,2-Dichlorobenzene		52	J	19	380
1,3-Dichlorobenzene		88	J	38	380
1,4-Dichlorobenzene		540		19	380
2,4,5-Trichlorophenol		380	U	76	380
2,4,6-Trichlorophenol		380	U	76	380
2,2'-oxybis[1-chloropropane]		380	U	19	380
2,4-Dichlorophenol		380	U	190	380
2,4-Dimethylphenol		380	U	19	380
2,4-Dinitrotoluene		380	U	24	380
2,6-Dinitrotoluene		380	U	23	380
2,4-Dinitrophenol		1900	U	180	1900
2-Chloronaphthalene		380	U	19	380
2-Chlorophenol		380	U	19	380
2-Methylnaphthalene		380	U	19	380
2-Methylphenol		380	U	24	380
2-Nitroaniline		1900	U	190	1900
2-Nitrophenol		380	U	26	380
3,3'-Dichlorobenzidine		750	U	19	750
3-Nitroaniline		1900	U	38	1900
4,6-Dinitro-2-methylphenol		1900	U	380	1900
4-Bromophenyl phenyl ether		380	U	19	380
4-Chloro-3-methylphenol		380	U	76	380
4-Chloroaniline		860		19	750
4-Chlorophenyl phenyl ether		380	U	26	380
3 & 4 Methylphenol		380	U	24	380
4-Nitroaniline		1900	U	190	1900
Acenaphthene		380	U	19	380
Acenaphthylene		380	U	19	380
Anthracene		380	U	19	380
Benzo[a]anthracene		380	U	38	380
Benzo[a]pyrene		380	U	19	380
Benzo[b]fluoranthene		380	U	19	380
Benzo[g,h,i]perylene		380	U	27	380
Benzo[k]fluoranthene		380	U	19	380
Bis(2-chloroethoxy)methane		380	U	19	380
Bis(2-chloroethyl)ether		380	U	19	380
Bis(2-ethylhexyl) phthalate		380	U	36	380
Butyl benzyl phthalate		380	U	19	380
Carbazole		380	U	19	380
Chrysene		380	U	19	380
Dibenz(a,h)anthracene		380	U	27	380
Dibenzofuran		380	U	19	380
Diethyl phthalate		380	U	20	380

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-6-4-8**

Lab Sample ID: 680-27416-3
Client Matrix: Solid
% Moisture: 12.9
Date Sampled: 06/07/2007 1415
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/21/2007 1655
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6956.d
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		380	U	76	380
Di-n-butyl phthalate		380	U	19	380
Di-n-octyl phthalate		380	U	22	380
Fluoranthene		27	J	19	380
Fluorene		39	J	23	380
Hexachlorobenzene		380	U	23	380
Hexachlorobutadiene		380	U	24	380
Hexachlorocyclopentadiene		380	U	190	380
Hexachloroethane		380	U	19	380
Indeno[1,2,3-cd]pyrene		380	U	33	380
Isophorone		380	U	19	380
Naphthalene		380	U	19	380
Nitrobenzene		380	U	19	380
N-Nitrosodi-n-propylamine		380	U	19	380
N-Nitrosodiphenylamine		380	U	38	380
Pentachlorophenol		1900	U	190	1900
Phenanthrene		380	U	19	380
Phenol		380	U	19	380
Pyrene		58	J	19	380

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	60	44 - 110
2-Fluorophenol	53	41 - 110
Nitrobenzene-d5	46	36 - 110
Phenol-d5	53	43 - 110
Terphenyl-d14	54	10 - 112
2,4,6-Tribromophenol	66	36 - 128

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-5-4-8**

Lab Sample ID: 680-27416-4
Client Matrix: Solid
% Moisture: 14.0
Date Sampled: 06/07/2007 1350
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/21/2007 1717
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6957.d
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		380	U	20	380
1,2-Dichlorobenzene		380	U	20	380
1,3-Dichlorobenzene		380	U	38	380
1,4-Dichlorobenzene		380	U	20	380
2,4,5-Trichlorophenol		380	U	78	380
2,4,6-Trichlorophenol		380	U	78	380
2,2'-oxybis[1-chloropropane]		380	U	20	380
2,4-Dichlorophenol		380	U	200	380
2,4-Dimethylphenol		380	U	20	380
2,4-Dinitrotoluene		380	U	24	380
2,6-Dinitrotoluene		380	U	23	380
2,4-Dinitrophenol		2000	U	190	2000
2-Chloronaphthalene		380	U	20	380
2-Chlorophenol		380	U	20	380
2-Methylnaphthalene		380	U	20	380
2-Methylphenol		380	U	24	380
2-Nitroaniline		2000	U	200	2000
2-Nitrophenol		380	U	27	380
3,3'-Dichlorobenzidine		770	U	20	770
3-Nitroaniline		2000	U	38	2000
4,6-Dinitro-2-methylphenol		2000	U	380	2000
4-Bromophenyl phenyl ether		380	U	20	380
4-Chloro-3-methylphenol		380	U	78	380
4-Chloroaniline		770	U	20	770
4-Chlorophenyl phenyl ether		380	U	27	380
3 & 4 Methylphenol		380	U	24	380
4-Nitroaniline		2000	U	200	2000
Acenaphthene		380	U	20	380
Acenaphthylene		380	U	20	380
Anthracene		380	U	20	380
Benzo[a]anthracene		380	U	38	380
Benzo[a]pyrene		380	U	20	380
Benzo[b]fluoranthene		380	U	20	380
Benzo[g,h,i]perylene		380	U	28	380
Benzo[k]fluoranthene		380	U	20	380
Bis(2-chloroethoxy)methane		380	U	20	380
Bis(2-chloroethyl)ether		380	U	20	380
Bis(2-ethylhexyl) phthalate		380	U	37	380
Butyl benzyl phthalate		380	U	20	380
Carbazole		380	U	20	380
Chrysene		380	U	20	380
Dibenz(a,h)anthracene		380	U	28	380
Dibenzofuran		380	U	20	380
Diethyl phthalate		380	U	21	380

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-5-4-8**

Lab Sample ID: 680-27416-4
Client Matrix: Solid
% Moisture: 14.0
Date Sampled: 06/07/2007 1350
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/21/2007 1717
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6957.d
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		380	U	78	380
Di-n-butyl phthalate		380	U	20	380
Di-n-octyl phthalate		380	U	22	380
Fluoranthene		380	U	20	380
Fluorene		380	U	23	380
Hexachlorobenzene		380	U	23	380
Hexachlorobutadiene		380	U	24	380
Hexachlorocyclopentadiene		380	U	200	380
Hexachloroethane		380	U	20	380
Indeno[1,2,3-cd]pyrene		380	U	34	380
Isophorone		380	U	20	380
Naphthalene		380	U	20	380
Nitrobenzene		380	U	20	380
N-Nitrosodi-n-propylamine		380	U	20	380
N-Nitrosodiphenylamine		380	U	38	380
Pentachlorophenol		2000	U	200	2000
Phenanthrene		380	U	20	380
Phenol		380	U	20	380
Pyrene		380	U	20	380

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	55	44 - 110
2-Fluorophenol	55	41 - 110
Nitrobenzene-d5	45	36 - 110
Phenol-d5	51	43 - 110
Terphenyl-d14	67	10 - 112
2,4,6-Tribromophenol	72	36 - 128

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID: 680-27416-5
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 06/07/2007 1310
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/21/2007 1738
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6958.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		21000		200	3900
1,2-Dichlorobenzene		1400	J	200	3900
1,3-Dichlorobenzene		3200	J	390	3900
1,4-Dichlorobenzene		16000		200	3900
2,4,5-Trichlorophenol		3900	U	790	3900
2,4,6-Trichlorophenol		3900	U	790	3900
2,2'-oxybis[1-chloropropane]		3900	U	200	3900
2,4-Dichlorophenol		3900	U	2000	3900
2,4-Dimethylphenol		3900	U	200	3900
2,4-Dinitrotoluene		3900	U	250	3900
2,6-Dinitrotoluene		3900	U	240	3900
2,4-Dinitrophenol		20000	U	1900	20000
2-Chloronaphthalene		3900	U	200	3900
2-Chlorophenol		3900	U	200	3900
2-Methylnaphthalene		990	J	200	3900
2-Methylphenol		3900	U	250	3900
2-Nitroaniline		20000	U	2000	20000
2-Nitrophenol		3900	U	270	3900
3,3'-Dichlorobenzidine		7800	U	200	7800
3-Nitroaniline		20000	U	390	20000
4,6-Dinitro-2-methylphenol		20000	U	3900	20000
4-Bromophenyl phenyl ether		3900	U	200	3900
4-Chloro-3-methylphenol		3900	U	790	3900
4-Chloroaniline		7800	U	200	7800
4-Chlorophenyl phenyl ether		3900	U	270	3900
3 & 4 Methylphenol		3900	U	250	3900
4-Nitroaniline		20000	U	2000	20000
Acenaphthene		1700	J	200	3900
Acenaphthylene		3900	U	200	3900
Anthracene		1700	J	200	3900
Benzo[a]anthracene		3900	U	390	3900
Benzo[a]pyrene		440	J	200	3900
Benzo[b]fluoranthene		590	J	200	3900
Benzo[g,h,i]perylene		3900	U	280	3900
Benzo[k]fluoranthene		500	J	200	3900
Bis(2-chloroethoxy)methane		3900	U	200	3900
Bis(2-chloroethyl)ether		3900	U	200	3900
Bis(2-ethylhexyl) phthalate		3900	U	380	3900
Butyl benzyl phthalate		3900	U	200	3900
Carbazole		3900	U	200	3900
Chrysene		3900	U	200	3900
Dibenz(a,h)anthracene		3900	U	280	3900
Dibenzofuran		2100	J	200	3900
Diethyl phthalate		3900	U	210	3900

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID:	680-27416-5			Date Sampled:	06/07/2007 1310
Client Matrix:	Solid	% Moisture:	15.4	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78512		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6958.d
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Date Analyzed:	06/21/2007 1738			Final Weight/Volume:	10 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		3900	U	790	3900
Di-n-butyl phthalate		3900	U	200	3900
Di-n-octyl phthalate		3900	U	220	3900
Fluoranthene		4100		200	3900
Fluorene		1500	J	240	3900
Hexachlorobenzene		3000	J	240	3900
Hexachlorobutadiene		3900	U	250	3900
Hexachlorocyclopentadiene		3900	U	2000	3900
Hexachloroethane		3900	U	200	3900
Indeno[1,2,3-cd]pyrene		3900	U	340	3900
Isophorone		3900	U	200	3900
Naphthalene		14000		200	3900
Nitrobenzene		3900	U	200	3900
N-Nitrosodi-n-propylamine		3900	U	200	3900
N-Nitrosodiphenylamine		3900	U	390	3900
Pentachlorophenol		11000	J	2000	20000
Phenanthrene		4800		200	3900
Phenol		910	J	200	3900
Pyrene		2500	J	200	3900

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID: 680-27416-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 06/07/2007 1330
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 20
Date Analyzed: 07/05/2007 1046
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-79530
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g9495.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		1200	J	470	9200
1,2-Dichlorobenzene		1600	J	470	9200
1,3-Dichlorobenzene		2400	J	920	9200
1,4-Dichlorobenzene		18000		470	9200
2,4,5-Trichlorophenol		9200	U	1900	9200
2,4,6-Trichlorophenol		9200	U	1900	9200
2,2'-oxybis[1-chloropropane]		9200	U	470	9200
2,4-Dichlorophenol		9200	U	4700	9200
2,4-Dimethylphenol		9200	U	470	9200
2,4-Dinitrotoluene		9200	U	580	9200
2,6-Dinitrotoluene		9200	U	560	9200
2,4-Dinitrophenol		47000	U	4400	47000
2-Chloronaphthalene		9200	U	470	9200
2-Chlorophenol		9200	U	470	9200
2-Methylnaphthalene		600	J	470	9200
2-Methylphenol		9200	U	580	9200
2-Nitroaniline		47000	U	4700	47000
2-Nitrophenol		9200	U	640	9200
3,3'-Dichlorobenzidine		18000	U	470	18000
3-Nitroaniline		47000	U	920	47000
4,6-Dinitro-2-methylphenol		47000	U	9200	47000
4-Bromophenyl phenyl ether		9200	U	470	9200
4-Chloro-3-methylphenol		9200	U	1900	9200
4-Chloroaniline		20000		470	18000
4-Chlorophenyl phenyl ether		9200	U	640	9200
3 & 4 Methylphenol		9200	U	580	9200
4-Nitroaniline		47000	U	4700	47000
Acenaphthene		9200	U	470	9200
Acenaphthylene		9200	U	470	9200
Anthracene		9200	U	470	9200
Benzo[a]anthracene		9200	U	920	9200
Benzo[a]pyrene		9200	U	470	9200
Benzo[b]fluoranthene		9200	U	470	9200
Benzo[g,h,i]perylene		9200	U	670	9200
Benzo[k]fluoranthene		9200	U	470	9200
Bis(2-chloroethoxy)methane		9200	U	470	9200
Bis(2-chloroethyl)ether		9200	U	470	9200
Bis(2-ethylhexyl) phthalate		22000		890	9200
Butyl benzyl phthalate		9200	U	470	9200
Carbazole		9200	U	470	9200
Chrysene		540	J	470	9200
Dibenz(a,h)anthracene		9200	U	670	9200
Dibenzofuran		9200	U	470	9200
Diethyl phthalate		1500	J	500	9200

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID: 680-27416-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 06/07/2007 1330
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 20
Date Analyzed: 07/05/2007 1046
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-79530
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g9495.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		9200	U	1900	9200
Di-n-butyl phthalate		1000	J	470	9200
Di-n-octyl phthalate		9200	U	530	9200
Fluoranthene		950	J	470	9200
Fluorene		9200	U	560	9200
Hexachlorobenzene		9200	U	560	9200
Hexachlorobutadiene		9200	U	580	9200
Hexachlorocyclopentadiene		9200	U	4700	9200
Hexachloroethane		9200	U	470	9200
Indeno[1,2,3-cd]pyrene		9200	U	810	9200
Isophorone		9200	U	470	9200
Naphthalene		46000		470	9200
Nitrobenzene		9200	U	470	9200
N-Nitrosodi-n-propylamine		9200	U	470	9200
N-Nitrosodiphenylamine		9200	U	920	9200
Pentachlorophenol		47000	U	4700	47000
Phenanthrene		1000	J	470	9200
Phenol		870	J	470	9200
Pyrene		690	J	470	9200

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID: 680-27416-7
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 06/07/2007 1215
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 07/05/2007 1024
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-79530
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g9494.d
Initial Weight/Volume: 30.26 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		180000	E	98	1900
1,2-Dichlorobenzene		24000		98	1900
1,3-Dichlorobenzene		1400	J	190	1900
1,4-Dichlorobenzene		78000	E	98	1900
2,4,5-Trichlorophenol		1900	U	390	1900
2,4,6-Trichlorophenol		35000		390	1900
2,2'-oxybis[1-chloropropane]		1900	U	98	1900
2,4-Dichlorophenol		1900	U	980	1900
2,4-Dimethylphenol		1900	U	98	1900
2,4-Dinitrotoluene		1900	U	120	1900
2,6-Dinitrotoluene		1900	U	110	1900
2,4-Dinitrophenol		9800	U	920	9800
2-Chloronaphthalene		1900	U	98	1900
2-Chlorophenol		1900	U	98	1900
2-Methylnaphthalene		230	J	98	1900
2-Methylphenol		1900	U	120	1900
2-Nitroaniline		9800	U	980	9800
2-Nitrophenol		1900	U	130	1900
3,3'-Dichlorobenzidine		3800	U	98	3800
3-Nitroaniline		9800	U	190	9800
4,6-Dinitro-2-methylphenol		9800	U	1900	9800
4-Bromophenyl phenyl ether		1900	U	98	1900
4-Chloro-3-methylphenol		1900	U	390	1900
4-Chloroaniline		250	J	98	3800
4-Chlorophenyl phenyl ether		1900	U	130	1900
3 & 4 Methylphenol		1900	U	120	1900
4-Nitroaniline		9800	U	980	9800
Acenaphthene		1900	U	98	1900
Acenaphthylene		1900	U	98	1900
Anthracene		1900	U	98	1900
Benzo[a]anthracene		510	J	190	1900
Benzo[a]pyrene		370	J	98	1900
Benzo[b]fluoranthene		570	J	98	1900
Benzo[g,h,i]perylene		290	J	140	1900
Benzo[k]fluoranthene		290	J	98	1900
Bis(2-chloroethoxy)methane		1900	U	98	1900
Bis(2-chloroethyl)ether		1900	U	98	1900
Bis(2-ethylhexyl) phthalate		1900	U	180	1900
Butyl benzyl phthalate		1900	U	98	1900
Carbazole		1900	U	98	1900
Chrysene		570	J	98	1900
Dibenz(a,h)anthracene		1900	U	140	1900
Dibenzofuran		1900	U	98	1900
Diethyl phthalate		1500	J	100	1900

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID: 680-27416-7
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 06/07/2007 1215
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 07/05/2007 1024
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-79530
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g9494.d
Initial Weight/Volume: 30.26 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		1900	U	390	1900
Di-n-butyl phthalate		1900	U	98	1900
Di-n-octyl phthalate		1900	U	110	1900
Fluoranthene		810	J	98	1900
Fluorene		1900	U	110	1900
Hexachlorobenzene		31000		110	1900
Hexachlorobutadiene		1900	U	120	1900
Hexachlorocyclopentadiene		1900	U	980	1900
Hexachloroethane		1900	U	98	1900
Indeno[1,2,3-cd]pyrene		240	J	170	1900
Isophorone		1900	U	98	1900
Naphthalene		790	J	98	1900
Nitrobenzene		1900	U	98	1900
N-Nitrosodi-n-propylamine		1900	U	98	1900
N-Nitrosodiphenylamine		1900	U	190	1900
Pentachlorophenol		76000	E	980	9800
Phenanthrene		500	J	98	1900
Phenol		1900	U	98	1900
Pyrene		770	J	98	1900

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID: 680-27416-7
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 06/07/2007 1215
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 25
Date Analyzed: 06/27/2007 1652
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78992
Prep Batch: 680-78301
Run Type: DL

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6976.d
Initial Weight/Volume: 30.26 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		180000	D	490	9500
1,2-Dichlorobenzene		29000	D	490	9500
1,3-Dichlorobenzene		1600	J D	950	9500
1,4-Dichlorobenzene		90000	D	490	9500
2,4,5-Trichlorophenol		9500	U	1900	9500
2,4,6-Trichlorophenol		35000	D	1900	9500
2,2'-oxybis[1-chloropropane]		9500	U	490	9500
2,4-Dichlorophenol		9500	U	4900	9500
2,4-Dimethylphenol		9500	U	490	9500
2,4-Dinitrotoluene		9500	U	600	9500
2,6-Dinitrotoluene		9500	U	570	9500
2,4-Dinitrophenol		49000	U	4600	49000
2-Chloronaphthalene		9500	U	490	9500
2-Chlorophenol		9500	U	490	9500
2-Methylnaphthalene		9500	U	490	9500
2-Methylphenol		9500	U	600	9500
2-Nitroaniline		49000	U	4900	49000
2-Nitrophenol		9500	U	660	9500
3,3'-Dichlorobenzidine		19000	U	490	19000
3-Nitroaniline		49000	U	950	49000
4,6-Dinitro-2-methylphenol		49000	U	9500	49000
4-Bromophenyl phenyl ether		9500	U	490	9500
4-Chloro-3-methylphenol		9500	U	1900	9500
4-Chloroaniline		19000	U	490	19000
4-Chlorophenyl phenyl ether		9500	U	660	9500
3 & 4 Methylphenol		9500	U	600	9500
4-Nitroaniline		49000	U	4900	49000
Acenaphthene		9500	U	490	9500
Acenaphthylene		9500	U	490	9500
Anthracene		9500	U	490	9500
Benzo[a]anthracene		9500	U	950	9500
Benzo[a]pyrene		9500	U	490	9500
Benzo[b]fluoranthene		9500	U	490	9500
Benzo[g,h,i]perylene		9500	U	690	9500
Benzo[k]fluoranthene		9500	U	490	9500
Bis(2-chloroethoxy)methane		9500	U	490	9500
Bis(2-chloroethyl)ether		9500	U	490	9500
Bis(2-ethylhexyl) phthalate		9500	U	920	9500
Butyl benzyl phthalate		9500	U	490	9500
Carbazole		9500	U	490	9500
Chrysene		800	J D	490	9500
Dibenz(a,h)anthracene		9500	U	690	9500
Dibenzofuran		9500	U	490	9500
Diethyl phthalate		2100	J D	520	9500

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID:	680-27416-7			Date Sampled:	06/07/2007 1215
Client Matrix:	Solid	% Moisture:	13.8	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78992		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6976.d
Dilution:	25			Initial Weight/Volume:	30.26 g
Date Analyzed:	06/27/2007 1652	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		9500	U	1900	9500
Di-n-butyl phthalate		9500	U	490	9500
Di-n-octyl phthalate		9500	U	550	9500
Fluoranthene		1100	J D	490	9500
Fluorene		9500	U	570	9500
Hexachlorobenzene		37000	D	570	9500
Hexachlorobutadiene		9500	U	600	9500
Hexachlorocyclopentadiene		9500	U	4900	9500
Hexachloroethane		9500	U	490	9500
Indeno[1,2,3-cd]pyrene		9500	U	830	9500
Isophorone		9500	U	490	9500
Naphthalene		9500	U	490	9500
Nitrobenzene		9500	U	490	9500
N-Nitrosodi-n-propylamine		9500	U	490	9500
N-Nitrosodiphenylamine		9500	U	950	9500
Pentachlorophenol		72000	D	4900	49000
Phenanthrene		700	J D	490	9500
Phenol		9500	U	490	9500
Pyrene		950	J D	490	9500

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID: 680-27416-8
Client Matrix: Solid
% Moisture: 30.2
Date Sampled: 06/07/2007 1230
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 06/27/2007 1714
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78992
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6977.d
Initial Weight/Volume: 30.18 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		23000		120	2300
1,2-Dichlorobenzene		7000		120	2300
1,3-Dichlorobenzene		2200	J	230	2300
1,4-Dichlorobenzene		34000		120	2300
2,4,5-Trichlorophenol		2300	U	480	2300
2,4,6-Trichlorophenol		3400		480	2300
2,2'-oxybis[1-chloropropane]		2300	U	120	2300
2,4-Dichlorophenol		2300	U	1200	2300
2,4-Dimethylphenol		2300	U	120	2300
2,4-Dinitrotoluene		2300	U	150	2300
2,6-Dinitrotoluene		2300	U	140	2300
2,4-Dinitrophenol		12000	U	1100	12000
2-Chloronaphthalene		2300	U	120	2300
2-Chlorophenol		2300	U	120	2300
2-Methylnaphthalene		150	J	120	2300
2-Methylphenol		2300	U	150	2300
2-Nitroaniline		12000	U	1200	12000
2-Nitrophenol		2300	U	160	2300
3,3'-Dichlorobenzidine		4700	U	120	4700
3-Nitroaniline		12000	U	230	12000
4,6-Dinitro-2-methylphenol		12000	U	2300	12000
4-Bromophenyl phenyl ether		2300	U	120	2300
4-Chloro-3-methylphenol		2300	U	480	2300
4-Chloroaniline		4500	J	120	4700
4-Chlorophenyl phenyl ether		2300	U	160	2300
3 & 4 Methylphenol		2300	U	150	2300
4-Nitroaniline		12000	U	1200	12000
Acenaphthene		2300	U	120	2300
Acenaphthylene		2300	U	120	2300
Anthracene		130	J	120	2300
Benzo[a]anthracene		730	J	230	2300
Benzo[a]pyrene		540	J	120	2300
Benzo[b]fluoranthene		2300	U	120	2300
Benzo[g,h,i]perylene		420	J	170	2300
Benzo[k]fluoranthene		2300	U	120	2300
Bis(2-chloroethoxy)methane		2300	U	120	2300
Bis(2-chloroethyl)ether		2300	U	120	2300
Bis(2-ethylhexyl) phthalate		450	J	230	2300
Butyl benzyl phthalate		2300	U	120	2300
Carbazole		2300	U	120	2300
Chrysene		1300	J	120	2300
Dibenz(a,h)anthracene		2300	U	170	2300
Dibenzofuran		2300	U	120	2300
Diethyl phthalate		640	J	130	2300

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID:	680-27416-8			Date Sampled:	06/07/2007 1230
Client Matrix:	Solid	% Moisture:	30.2	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78992		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6977.d
Dilution:	5.0			Initial Weight/Volume:	30.18 g
Date Analyzed:	06/27/2007 1714			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		2300	U	480	2300
Di-n-butyl phthalate		2300	U	120	2300
Di-n-octyl phthalate		2300	U	140	2300
Fluoranthene		510	J	120	2300
Fluorene		2300	U	140	2300
Hexachlorobenzene		1800	J	140	2300
Hexachlorobutadiene		2300	U	150	2300
Hexachlorocyclopentadiene		2300	U	1200	2300
Hexachloroethane		2300	U	120	2300
Indeno[1,2,3-cd]pyrene		2300	U	210	2300
Isophorone		2300	U	120	2300
Naphthalene		3700		120	2300
Nitrobenzene		2300	U	120	2300
N-Nitrosodi-n-propylamine		2300	U	120	2300
N-Nitrosodiphenylamine		2300	U	230	2300
Pentachlorophenol		9800	J	1200	12000
Phenanthrene		1600	J	120	2300
Phenol		2300	U	120	2300
Pyrene		2100	J	120	2300

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID: 680-27416-9
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 06/07/2007 1210
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/21/2007 1843
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6961.d
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		450		20	390
1,2-Dichlorobenzene		1400		20	390
1,3-Dichlorobenzene		1000		39	390
1,4-Dichlorobenzene		10000	E	20	390
2,4,5-Trichlorophenol		390	U	79	390
2,4,6-Trichlorophenol		390	U	79	390
2,2'-oxybis[1-chloropropane]		390	U	20	390
2,4-Dichlorophenol		390	U	200	390
2,4-Dimethylphenol		390	U	20	390
2,4-Dinitrotoluene		390	U	25	390
2,6-Dinitrotoluene		390	U	24	390
2,4-Dinitrophenol		2000	U	190	2000
2-Chloronaphthalene		390	U	20	390
2-Chlorophenol		390	U	20	390
2-Methylnaphthalene		72	J	20	390
2-Methylphenol		390	U	25	390
2-Nitroaniline		2000	U	200	2000
2-Nitrophenol		390	U	27	390
3,3'-Dichlorobenzidine		780	U	20	780
3-Nitroaniline		2000	U	39	2000
4,6-Dinitro-2-methylphenol		2000	U	390	2000
4-Bromophenyl phenyl ether		390	U	20	390
4-Chloro-3-methylphenol		390	U	79	390
4-Chloroaniline		230	J	20	780
4-Chlorophenyl phenyl ether		390	U	27	390
3 & 4 Methylphenol		390	U	25	390
4-Nitroaniline		2000	U	200	2000
Acenaphthene		58	J	20	390
Acenaphthylene		190	J	20	390
Anthracene		320	J	20	390
Benzo[a]anthracene		1200		39	390
Benzo[a]pyrene		1100		20	390
Benzo[b]fluoranthene		1200		20	390
Benzo[g,h,i]perylene		760		28	390
Benzo[k]fluoranthene		670		20	390
Bis(2-chloroethoxy)methane		390	U	20	390
Bis(2-chloroethyl)ether		390	U	20	390
Bis(2-ethylhexyl) phthalate		72	J	38	390
Butyl benzyl phthalate		82	J	20	390
Carbazole		84	J	20	390
Chrysene		1300		20	390
Dibenz(a,h)anthracene		260	J	28	390
Dibenzofuran		59	J	20	390
Diethyl phthalate		390	U	21	390

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID:	680-27416-9			Date Sampled:	06/07/2007 1210
Client Matrix:	Solid	% Moisture:	15.9	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78512		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6961.d
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	06/21/2007 1843			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		390	U	79	390
Di-n-butyl phthalate		23	J	20	390
Di-n-octyl phthalate		390	U	22	390
Fluoranthene		3000		20	390
Fluorene		88	J	24	390
Hexachlorobenzene		79	J	24	390
Hexachlorobutadiene		390	U	25	390
Hexachlorocyclopentadiene		390	U	200	390
Hexachloroethane		390	U	20	390
Indeno[1,2,3-cd]pyrene		750		34	390
Isophorone		390	U	20	390
Naphthalene		91	J	20	390
Nitrobenzene		390	U	20	390
N-Nitrosodi-n-propylamine		390	U	20	390
N-Nitrosodiphenylamine		390	U	39	390
Pentachlorophenol		2000	U	200	2000
Phenanthrene		1100		20	390
Phenol		390	U	20	390
Pyrene		1800		20	390

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	59	44 - 110
2-Fluorophenol	56	41 - 110
Nitrobenzene-d5	51	36 - 110
Phenol-d5	53	43 - 110
Terphenyl-d14	54	10 - 112
2,4,6-Tribromophenol	77	36 - 128

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID: 680-27416-9
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 06/07/2007 1210
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 2.0
Date Analyzed: 06/27/2007 1736
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78992
Prep Batch: 680-78301
Run Type: DL

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6978.d
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		460	J D	40	780
1,2-Dichlorobenzene		1500	D	40	780
1,3-Dichlorobenzene		1100	D	78	780
1,4-Dichlorobenzene		12000	D	40	780
2,4,5-Trichlorophenol		780	U	160	780
2,4,6-Trichlorophenol		780	U	160	780
2,2'-oxybis[1-chloropropane]		780	U	40	780
2,4-Dichlorophenol		780	U	400	780
2,4-Dimethylphenol		780	U	40	780
2,4-Dinitrotoluene		780	U	50	780
2,6-Dinitrotoluene		780	U	47	780
2,4-Dinitrophenol		4000	U	380	4000
2-Chloronaphthalene		780	U	40	780
2-Chlorophenol		780	U	40	780
2-Methylnaphthalene		82	J D	40	780
2-Methylphenol		780	U	50	780
2-Nitroaniline		4000	U	400	4000
2-Nitrophenol		780	U	54	780
3,3'-Dichlorobenzidine		1600	U	40	1600
3-Nitroaniline		4000	U	78	4000
4,6-Dinitro-2-methylphenol		4000	U	780	4000
4-Bromophenyl phenyl ether		780	U	40	780
4-Chloro-3-methylphenol		780	U	160	780
4-Chloroaniline		62	J D	40	1600
4-Chlorophenyl phenyl ether		780	U	54	780
3 & 4 Methylphenol		780	U	50	780
4-Nitroaniline		4000	U	400	4000
Acenaphthene		61	J D	40	780
Acenaphthylene		98	J D	40	780
Anthracene		330	J D	40	780
Benzo[a]anthracene		1400	D	78	780
Benzo[a]pyrene		1200	D	40	780
Benzo[b]fluoranthene		1500	D	40	780
Benzo[g,h,i]perylene		930	D	57	780
Benzo[k]fluoranthene		1100	D	40	780
Bis(2-chloroethoxy)methane		780	U	40	780
Bis(2-chloroethyl)ether		780	U	40	780
Bis(2-ethylhexyl) phthalate		110	J D	76	780
Butyl benzyl phthalate		100	J D	40	780
Carbazole		79	J D	40	780
Chrysene		1600	D	40	780
Dibenz(a,h)anthracene		230	J D	57	780
Dibenzofuran		70	J D	40	780
Diethyl phthalate		780	U	43	780

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID:	680-27416-9			Date Sampled:	06/07/2007 1210
Client Matrix:	Solid	% Moisture:	15.9	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78992		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6978.d
Dilution:	2.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	06/27/2007 1736	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		780	U	160	780
Di-n-butyl phthalate		780	U	40	780
Di-n-octyl phthalate		780	U	45	780
Fluoranthene		2600	D	40	780
Fluorene		64	J D	47	780
Hexachlorobenzene		80	J D	47	780
Hexachlorobutadiene		780	U	50	780
Hexachlorocyclopentadiene		780	U	400	780
Hexachloroethane		780	U	40	780
Indeno[1,2,3-cd]pyrene		740	J D	69	780
Isophorone		780	U	40	780
Naphthalene		88	J D	40	780
Nitrobenzene		780	U	40	780
N-Nitrosodi-n-propylamine		780	U	40	780
N-Nitrosodiphenylamine		780	U	78	780
Pentachlorophenol		4000	U	400	4000
Phenanthrene		1300	D	40	780
Phenol		780	U	40	780
Pyrene		2500	D	40	780

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	69	44 - 110
2-Fluorophenol	72	41 - 110
Nitrobenzene-d5	66	36 - 110
Phenol-d5	78	43 - 110
Terphenyl-d14	70	10 - 112
2,4,6-Tribromophenol	61	36 - 128

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID: 680-27416-10
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 06/07/2007 1140
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 10
Date Analyzed: 06/27/2007 1758
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78992
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6979.d
Initial Weight/Volume: 30.28 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		620	J	210	4100
1,2-Dichlorobenzene		370	J	210	4100
1,3-Dichlorobenzene		1000	J	410	4100
1,4-Dichlorobenzene		3500	J	210	4100
2,4,5-Trichlorophenol		4100	U	830	4100
2,4,6-Trichlorophenol		4100	U	830	4100
2,2'-oxybis[1-chloropropane]		4100	U	210	4100
2,4-Dichlorophenol		4100	U	2100	4100
2,4-Dimethylphenol		4100	U	210	4100
2,4-Dinitrotoluene		4100	U	260	4100
2,6-Dinitrotoluene		4100	U	250	4100
2,4-Dinitrophenol		21000	U	2000	21000
2-Chloronaphthalene		4100	U	210	4100
2-Chlorophenol		4100	U	210	4100
2-Methylnaphthalene		4100	U	210	4100
2-Methylphenol		4100	U	260	4100
2-Nitroaniline		21000	U	2100	21000
2-Nitrophenol		4100	U	280	4100
3,3'-Dichlorobenzidine		8200	U	210	8200
3-Nitroaniline		21000	U	410	21000
4,6-Dinitro-2-methylphenol		21000	U	4100	21000
4-Bromophenyl phenyl ether		4100	U	210	4100
4-Chloro-3-methylphenol		4100	U	830	4100
4-Chloroaniline		550	J	210	8200
4-Chlorophenyl phenyl ether		4100	U	280	4100
3 & 4 Methylphenol		4100	U	260	4100
4-Nitroaniline		21000	U	2100	21000
Acenaphthene		4100	U	210	4100
Acenaphthylene		4100	U	210	4100
Anthracene		240	J	210	4100
Benzo[a]anthracene		830	J	410	4100
Benzo[a]pyrene		4100	U	210	4100
Benzo[b]fluoranthene		4100	U	210	4100
Benzo[g,h,i]perylene		4100	U	300	4100
Benzo[k]fluoranthene		4100	U	210	4100
Bis(2-chloroethoxy)methane		4100	U	210	4100
Bis(2-chloroethyl)ether		4100	U	210	4100
Bis(2-ethylhexyl) phthalate		430	J	400	4100
Butyl benzyl phthalate		4100	U	210	4100
Carbazole		4100	U	210	4100
Chrysene		910	J	210	4100
Dibenz(a,h)anthracene		4100	U	300	4100
Dibenzofuran		4100	U	210	4100
Diethyl phthalate		4100	U	220	4100

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID: 680-27416-10
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 06/07/2007 1140
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 10
Date Analyzed: 06/27/2007 1758
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78992
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6979.d
Initial Weight/Volume: 30.28 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		4100	U	830	4100
Di-n-butyl phthalate		4100	U	210	4100
Di-n-octyl phthalate		4100	U	230	4100
Fluoranthene		1400	J	210	4100
Fluorene		410	J	250	4100
Hexachlorobenzene		4100	U	250	4100
Hexachlorobutadiene		4100	U	260	4100
Hexachlorocyclopentadiene		4100	U	2100	4100
Hexachloroethane		4100	U	210	4100
Indeno[1,2,3-cd]pyrene		4100	U	360	4100
Isophorone		4100	U	210	4100
Naphthalene		280	J	210	4100
Nitrobenzene		4100	U	210	4100
N-Nitrosodi-n-propylamine		4100	U	210	4100
N-Nitrosodiphenylamine		4100	U	410	4100
Pentachlorophenol		21000	U	2100	21000
Phenanthrene		1300	J	210	4100
Phenol		4100	U	210	4100
Pyrene		1500	J	210	4100

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID: 680-27416-11
Client Matrix: Solid
% Moisture: 25.2
Date Sampled: 06/07/2007 1205
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/21/2007 1926
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6963.d
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		5200		230	4400
1,2-Dichlorobenzene		4900		230	4400
1,3-Dichlorobenzene		2900	J	440	4400
1,4-Dichlorobenzene		15000		230	4400
2,4,5-Trichlorophenol		4400	U	890	4400
2,4,6-Trichlorophenol		4400	U	890	4400
2,2'-oxybis[1-chloropropane]		4400	U	230	4400
2,4-Dichlorophenol		20000		2300	4400
2,4-Dimethylphenol		4400	U	230	4400
2,4-Dinitrotoluene		4400	U	280	4400
2,6-Dinitrotoluene		4400	U	270	4400
2,4-Dinitrophenol		23000	U	2100	23000
2-Chloronaphthalene		4400	U	230	4400
2-Chlorophenol		4400	U	230	4400
2-Methylnaphthalene		1900	J	230	4400
2-Methylphenol		4400	U	280	4400
2-Nitroaniline		23000	U	2300	23000
2-Nitrophenol		4400	U	310	4400
3,3'-Dichlorobenzidine		8800	U	230	8800
3-Nitroaniline		23000	U	440	23000
4,6-Dinitro-2-methylphenol		23000	U	4400	23000
4-Bromophenyl phenyl ether		4400	U	230	4400
4-Chloro-3-methylphenol		4400	U	890	4400
4-Chloroaniline		7500	J	230	8800
4-Chlorophenyl phenyl ether		4400	U	310	4400
3 & 4 Methylphenol		4400	U	280	4400
4-Nitroaniline		23000	U	2300	23000
Acenaphthene		360	J	230	4400
Acenaphthylene		4400	U	230	4400
Anthracene		4400	J	230	4400
Benzo[a]anthracene		4400	U	440	4400
Benzo[a]pyrene		1200	J	230	4400
Benzo[b]fluoranthene		4400	U	230	4400
Benzo[g,h,i]perylene		4400	U	320	4400
Benzo[k]fluoranthene		4400	U	230	4400
Bis(2-chloroethoxy)methane		4400	U	230	4400
Bis(2-chloroethyl)ether		4400	U	230	4400
Bis(2-ethylhexyl) phthalate		4400	U	430	4400
Butyl benzyl phthalate		4400	U	230	4400
Carbazole		4400	U	230	4400
Chrysene		4400	U	230	4400
Dibenz(a,h)anthracene		4400	U	320	4400
Dibenzofuran		470	J	230	4400
Diethyl phthalate		1800	J	240	4400

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID:	680-27416-11			Date Sampled:	06/07/2007 1205
Client Matrix:	Solid	% Moisture:	25.2	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78512		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6963.d
Dilution:	1.0			Initial Weight/Volume:	30.02 g
Date Analyzed:	06/21/2007 1926			Final Weight/Volume:	10 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		4400	U	890	4400
Di-n-butyl phthalate		4400	U	230	4400
Di-n-octyl phthalate		4400	U	250	4400
Fluoranthene		4100	J	230	4400
Fluorene		4400	U	270	4400
Hexachlorobenzene		46000		270	4400
Hexachlorobutadiene		4400	U	280	4400
Hexachlorocyclopentadiene		4400	U	2300	4400
Hexachloroethane		4400	U	230	4400
Indeno[1,2,3-cd]pyrene		4400	U	390	4400
Isophorone		4400	U	230	4400
Naphthalene		2600	J	230	4400
Nitrobenzene		4400	U	230	4400
N-Nitrosodi-n-propylamine		4400	U	230	4400
N-Nitrosodiphenylamine		4400	U	440	4400
Pentachlorophenol		4600	J	2300	23000
Phenanthrene		4400	U	230	4400
Phenol		4400	U	230	4400
Pyrene		4400	U	230	4400

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-4-8**

Lab Sample ID: 680-27416-12
Client Matrix: Solid
% Moisture: 17.2
Date Sampled: 06/07/2007 1110
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 10
Date Analyzed: 06/21/2007 2030
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6966.d
Initial Weight/Volume: 30.13 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		4000	U	200	4000
1,2-Dichlorobenzene		4000	U	200	4000
1,3-Dichlorobenzene		4000	U	400	4000
1,4-Dichlorobenzene		4000	U	200	4000
2,4,5-Trichlorophenol		4000	U	810	4000
2,4,6-Trichlorophenol		2100	J	810	4000
2,2'-oxybis[1-chloropropane]		4000	U	200	4000
2,4-Dichlorophenol		2900	J	2000	4000
2,4-Dimethylphenol		4000	U	200	4000
2,4-Dinitrotoluene		4000	U	250	4000
2,6-Dinitrotoluene		4000	U	240	4000
2,4-Dinitrophenol		20000	U	1900	20000
2-Chloronaphthalene		4000	U	200	4000
2-Chlorophenol		4000	U	200	4000
2-Methylnaphthalene		470	J	200	4000
2-Methylphenol		4000	U	250	4000
2-Nitroaniline		20000	U	2000	20000
2-Nitrophenol		4000	U	280	4000
3,3'-Dichlorobenzidine		7900	U	200	7900
3-Nitroaniline		20000	U	400	20000
4,6-Dinitro-2-methylphenol		20000	U	4000	20000
4-Bromophenyl phenyl ether		4000	U	200	4000
4-Chloro-3-methylphenol		4000	U	810	4000
4-Chloroaniline		7900	U	200	7900
4-Chlorophenyl phenyl ether		4000	U	280	4000
3 & 4 Methylphenol		4000	U	250	4000
4-Nitroaniline		20000	U	2000	20000
Acenaphthene		420	J	200	4000
Acenaphthylene		4000	U	200	4000
Anthracene		380	J	200	4000
Benzo[a]anthracene		1100	J	400	4000
Benzo[a]pyrene		4000	U	200	4000
Benzo[b]fluoranthene		4000	U	200	4000
Benzo[g,h,i]perylene		760	J	290	4000
Benzo[k]fluoranthene		4000	U	200	4000
Bis(2-chloroethoxy)methane		4000	U	200	4000
Bis(2-chloroethyl)ether		4000	U	200	4000
Bis(2-ethylhexyl) phthalate		4000	U	380	4000
Butyl benzyl phthalate		4000	U	200	4000
Carbazole		4000	U	200	4000
Chrysene		3400	J	200	4000
Dibenz(a,h)anthracene		4000	U	290	4000
Dibenzofuran		4000	U	200	4000
Diethyl phthalate		4000	U	220	4000

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-4-8**

Lab Sample ID:	680-27416-12			Date Sampled:	06/07/2007 1110
Client Matrix:	Solid	% Moisture:	17.2	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78512		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6966.d
Dilution:	10			Initial Weight/Volume:	30.13 g
Date Analyzed:	06/21/2007 2030			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		4000	U	810	4000
Di-n-butyl phthalate		4000	U	200	4000
Di-n-octyl phthalate		4000	U	230	4000
Fluoranthene		1600	J	200	4000
Fluorene		400	J	240	4000
Hexachlorobenzene		4000	U	240	4000
Hexachlorobutadiene		4000	U	250	4000
Hexachlorocyclopentadiene		4000	U	2000	4000
Hexachloroethane		4000	U	200	4000
Indeno[1,2,3-cd]pyrene		4000	U	350	4000
Isophorone		4000	U	200	4000
Naphthalene		3400	J	200	4000
Nitrobenzene		4000	U	200	4000
N-Nitrosodi-n-propylamine		4000	U	200	4000
N-Nitrosodiphenylamine		4000	U	400	4000
Pentachlorophenol		20000	U	2000	20000
Phenanthrene		1700	J	200	4000
Phenol		4000	U	200	4000
Pyrene		3500	J	200	4000

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-8-15**

Lab Sample ID: 680-27416-13
Client Matrix: Solid
% Moisture: 16.2
Date Sampled: 06/07/2007 1135
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 10
Date Analyzed: 06/21/2007 2051
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6967.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		430	J	200	3900
1,2-Dichlorobenzene		3900	U	200	3900
1,3-Dichlorobenzene		3900	U	390	3900
1,4-Dichlorobenzene		3900	U	200	3900
2,4,5-Trichlorophenol		3900	U	800	3900
2,4,6-Trichlorophenol		3900	U	800	3900
2,2'-oxybis[1-chloropropane]		3900	U	200	3900
2,4-Dichlorophenol		3900	U	2000	3900
2,4-Dimethylphenol		3900	U	200	3900
2,4-Dinitrotoluene		3900	U	250	3900
2,6-Dinitrotoluene		3900	U	240	3900
2,4-Dinitrophenol		20000	U	1900	20000
2-Chloronaphthalene		3900	U	200	3900
2-Chlorophenol		3900	U	200	3900
2-Methylnaphthalene		16000		200	3900
2-Methylphenol		3900	U	250	3900
2-Nitroaniline		20000	U	2000	20000
2-Nitrophenol		3900	U	270	3900
3,3'-Dichlorobenzidine		7800	U	200	7800
3-Nitroaniline		20000	U	390	20000
4,6-Dinitro-2-methylphenol		20000	U	3900	20000
4-Bromophenyl phenyl ether		3900	U	200	3900
4-Chloro-3-methylphenol		3900	U	800	3900
4-Chloroaniline		7800	U	200	7800
4-Chlorophenyl phenyl ether		3900	U	270	3900
3 & 4 Methylphenol		3900	U	250	3900
4-Nitroaniline		20000	U	2000	20000
Acenaphthene		1500	J	200	3900
Acenaphthylene		3900	U	200	3900
Anthracene		1500	J	200	3900
Benzo[a]anthracene		2500	J	390	3900
Benzo[a]pyrene		2600	J	200	3900
Benzo[b]fluoranthene		3900	U	200	3900
Benzo[g,h,i]perylene		3900	U	290	3900
Benzo[k]fluoranthene		3900	U	200	3900
Bis(2-chloroethoxy)methane		3900	U	200	3900
Bis(2-chloroethyl)ether		3900	U	200	3900
Bis(2-ethylhexyl) phthalate		3900	U	380	3900
Butyl benzyl phthalate		3900	U	200	3900
Carbazole		3900	U	200	3900
Chrysene		6300		200	3900
Dibenz(a,h)anthracene		3900	U	290	3900
Dibenzofuran		940	J	200	3900
Diethyl phthalate		3900	U	210	3900

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-8-15**

Lab Sample ID:	680-27416-13			Date Sampled:	06/07/2007 1135
Client Matrix:	Solid	% Moisture:	16.2	Date Received:	06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-78512		Instrument ID:	GC/MS SemiVolatiles - N
Preparation:	3550B	Prep Batch: 680-78301		Lab File ID:	n6967.d
Dilution:	10			Initial Weight/Volume:	30.12 g
Date Analyzed:	06/21/2007 2051			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		3900	U	800	3900
Di-n-butyl phthalate		3900	U	200	3900
Di-n-octyl phthalate		3900	U	230	3900
Fluoranthene		3900	U	200	3900
Fluorene		2300	J	240	3900
Hexachlorobenzene		3900	U	240	3900
Hexachlorobutadiene		3900	U	250	3900
Hexachlorocyclopentadiene		3900	U	2000	3900
Hexachloroethane		3900	U	200	3900
Indeno[1,2,3-cd]pyrene		3900	U	340	3900
Isophorone		3900	U	200	3900
Naphthalene		2800	J	200	3900
Nitrobenzene		3900	U	200	3900
N-Nitrosodi-n-propylamine		3900	U	200	3900
N-Nitrosodiphenylamine		3900	U	390	3900
Pentachlorophenol		20000	U	2000	20000
Phenanthrene		9300		200	3900
Phenol		3900	U	200	3900
Pyrene		7000		200	3900

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **DUPLICATE**

Lab Sample ID: 680-27416-14FD
Client Matrix: Solid
% Moisture: 12.7
Date Sampled: 06/07/2007 0000
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 10
Date Analyzed: 06/27/2007 1841
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78992
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6981.d
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		3800	U	190	3800
1,2-Dichlorobenzene		3800	U	190	3800
1,3-Dichlorobenzene		3800	U	380	3800
1,4-Dichlorobenzene		3800	U	190	3800
2,4,5-Trichlorophenol		3800	U	760	3800
2,4,6-Trichlorophenol		3800	U	760	3800
2,2'-oxybis[1-chloropropane]		3800	U	190	3800
2,4-Dichlorophenol		3800	U	1900	3800
2,4-Dimethylphenol		3800	U	190	3800
2,4-Dinitrotoluene		3800	U	240	3800
2,6-Dinitrotoluene		3800	U	230	3800
2,4-Dinitrophenol		19000	U	1800	19000
2-Chloronaphthalene		3800	U	190	3800
2-Chlorophenol		3800	U	190	3800
2-Methylnaphthalene		3800	U	190	3800
2-Methylphenol		3800	U	240	3800
2-Nitroaniline		19000	U	1900	19000
2-Nitrophenol		3800	U	260	3800
3,3'-Dichlorobenzidine		7500	U	190	7500
3-Nitroaniline		19000	U	380	19000
4,6-Dinitro-2-methylphenol		19000	U	3800	19000
4-Bromophenyl phenyl ether		3800	U	190	3800
4-Chloro-3-methylphenol		3800	U	760	3800
4-Chloroaniline		7500	U	190	7500
4-Chlorophenyl phenyl ether		3800	U	260	3800
3 & 4 Methylphenol		3800	U	240	3800
4-Nitroaniline		19000	U	1900	19000
Acenaphthene		3800	U	190	3800
Acenaphthylene		3800	U	190	3800
Anthracene		3800	U	190	3800
Benzo[a]anthracene		3800	U	380	3800
Benzo[a]pyrene		3800	U	190	3800
Benzo[b]fluoranthene		3800	U	190	3800
Benzo[g,h,i]perylene		3800	U	270	3800
Benzo[k]fluoranthene		3800	U	190	3800
Bis(2-chloroethoxy)methane		3800	U	190	3800
Bis(2-chloroethyl)ether		3800	U	190	3800
Bis(2-ethylhexyl) phthalate		3800	U	370	3800
Butyl benzyl phthalate		3800	U	190	3800
Carbazole		3800	U	190	3800
Chrysene		3800	U	190	3800
Dibenz(a,h)anthracene		3800	U	270	3800
Dibenzofuran		3800	U	190	3800
Diethyl phthalate		3800	U	210	3800

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **DUPLICATE**

Lab Sample ID: 680-27416-14FD
Client Matrix: Solid
% Moisture: 12.7
Date Sampled: 06/07/2007 0000
Date Received: 06/08/2007 0904

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 10
Date Analyzed: 06/27/2007 1841
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78992
Prep Batch: 680-78301

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6981.d
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		3800	U	760	3800
Di-n-butyl phthalate		3800	U	190	3800
Di-n-octyl phthalate		3800	U	220	3800
Fluoranthene		3800	U	190	3800
Fluorene		3800	U	230	3800
Hexachlorobenzene		3800	U	230	3800
Hexachlorobutadiene		3800	U	240	3800
Hexachlorocyclopentadiene		3800	U	1900	3800
Hexachloroethane		3800	U	190	3800
Indeno[1,2,3-cd]pyrene		3800	U	330	3800
Isophorone		3800	U	190	3800
Naphthalene		3800	U	190	3800
Nitrobenzene		3800	U	190	3800
N-Nitrosodi-n-propylamine		3800	U	190	3800
N-Nitrosodiphenylamine		3800	U	380	3800
Pentachlorophenol		19000	U	1900	19000
Phenanthrene		3800	U	190	3800
Phenol		3800	U	190	3800
Pyrene		3800	U	190	3800

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	44 - 110
2-Fluorophenol	0	D	41 - 110
Nitrobenzene-d5	0	D	36 - 110
Phenol-d5	0	D	43 - 110
Terphenyl-d14	0	D	10 - 112
2,4,6-Tribromophenol	0	D	36 - 128

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-8-4-6.9**

Lab Sample ID:	680-27416-1			Date Sampled:	06/07/2007 1515
Client Matrix:	Solid	% Moisture:	18.0	Date Received:	06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-78785		Instrument ID:	GC SemiVolatiles - M
Preparation:	3550B	Prep Batch: 680-78303		Lab File ID:	mf25014.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/25/2007 1754			Final Weight/Volume:	5 mL
Date Prepared:	06/21/2007 1030			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		2.1	U	0.13	2.1
alpha-BHC		2.1	U	0.10	2.1
beta-BHC		2.1	U	0.27	2.1
delta-BHC		2.1	U	0.15	2.1
gamma-BHC (Lindane)		2.1	U	0.12	2.1
alpha-Chlordane		2.1	U	0.65	2.1
gamma-Chlordane		2.1	U	0.51	2.1
4,4'-DDD		1.8	J	0.44	4.0
4,4'-DDE		1.7	J P	0.39	4.0
4,4'-DDT		4.0	U	0.63	4.0
Dieldrin		0.60	J	0.38	4.0
Endosulfan I		2.1	U	0.34	2.1
Endosulfan II		4.0	U	0.83	4.0
Endosulfan sulfate		4.0	U	0.33	4.0
Endrin		4.0	U	0.41	4.0
Endrin aldehyde		4.0	U	0.78	4.0
Endrin ketone		4.0	U	0.41	4.0
Heptachlor epoxide		2.1	U	0.12	2.1
Heptachlor		2.1	U	0.28	2.1
Methoxychlor		21	U	0.98	21
Toxaphene		210	U	51	210
PCB-1016		40	U	4.6	40
PCB-1221		82	U	16	82
PCB-1232		40	U	9.1	40
PCB-1242		40	U	5.9	40
PCB-1248		40	U	6.2	40
PCB-1254		40	U	2.8	40
PCB-1260		40	U	5.9	40

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	202	X	50 - 129
Tetrachloro-m-xylene	81		26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-7-4-8**

Lab Sample ID:	680-27416-2			Date Sampled:	06/07/2007 1450
Client Matrix:	Solid	% Moisture:	16.6	Date Received:	06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-78785		Instrument ID:	GC SemiVolatiles - M
Preparation:	3550B	Prep Batch: 680-78303		Lab File ID:	mf25015.d
Dilution:	4.0			Initial Weight/Volume:	15.21 g
Date Analyzed:	06/25/2007 1814			Final Weight/Volume:	5 mL
Date Prepared:	06/21/2007 1030			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.0	U	0.52	8.0
alpha-BHC		8.0	U	0.39	8.0
beta-BHC		8.0	U	1.0	8.0
delta-BHC		8.0	U	0.57	8.0
gamma-BHC (Lindane)		8.0	U	0.47	8.0
alpha-Chlordane		8.0	U	2.5	8.0
gamma-Chlordane		8.0	U	2.0	8.0
4,4'-DDD		33	P	1.7	16
4,4'-DDE		16	U	1.5	16
4,4'-DDT		230	P	2.5	16
Dieldrin		85	P	1.5	16
Endosulfan I		8.0	U	1.3	8.0
Endosulfan II		16	U	3.2	16
Endosulfan sulfate		16	U	1.3	16
Endrin		16	U	1.6	16
Endrin aldehyde		16	U	3.0	16
Endrin ketone		16	U	1.6	16
Heptachlor epoxide		8.0	U	0.47	8.0
Heptachlor		8.0	U	1.1	8.0
Methoxychlor		80	U	3.8	80
Toxaphene		800	U	200	800
PCB-1016		160	U	18	160
PCB-1221		320	U	61	320
PCB-1232		160	U	35	160
PCB-1242		160	U	23	160
PCB-1248		2300		24	160
PCB-1254		3100		11	160
PCB-1260		3000		23	160

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	488	X	50 - 129
Tetrachloro-m-xylene	69		26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-6-4-8**

Lab Sample ID: 680-27416-3
Client Matrix: Solid
% Moisture: 12.9
Date Sampled: 06/07/2007 1415
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 4.0
Date Analyzed: 06/25/2007 1833
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78785
Prep Batch: 680-78303

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25016.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.8	U	0.50	7.8
alpha-BHC		7.8	U	0.38	7.8
beta-BHC		7.8	U	1.0	7.8
delta-BHC		7.8	U	0.55	7.8
gamma-BHC (Lindane)		7.8	U	0.46	7.8
alpha-Chlordane		7.8	U	2.4	7.8
gamma-Chlordane		7.8	U	1.9	7.8
4,4'-DDD		73	P	1.7	15
4,4'-DDE		51	P	1.5	15
4,4'-DDT		210	P	2.4	15
Dieldrin		60	P	1.4	15
Endosulfan I		7.8	U	1.3	7.8
Endosulfan II		15	U	3.1	15
Endosulfan sulfate		15	U	1.2	15
Endrin		15	U	1.6	15
Endrin aldehyde		15	U	2.9	15
Endrin ketone		15	U	1.6	15
Heptachlor epoxide		7.8	U	0.46	7.8
Heptachlor		7.8	U	1.1	7.8
Methoxychlor		78	U	3.7	78
Toxaphene		780	U	190	780
PCB-1016		150	U	17	150
PCB-1221		310	U	60	310
PCB-1232		150	U	34	150
PCB-1242		150	U	22	150
PCB-1248		670		23	150
PCB-1254		1900		11	150
PCB-1260		2100	P	22	150

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	891	X	50 - 129
Tetrachloro-m-xylene	43		26 - 140

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-5-4-8**

Lab Sample ID:	680-27416-4			Date Sampled:	06/07/2007 1350
Client Matrix:	Solid	% Moisture:	14.0	Date Received:	06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-78906		Instrument ID:	GC SemiVolatiles - M
Preparation:	3550B	Prep Batch: 680-78303		Lab File ID:	mf26008.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	06/26/2007 1640			Final Weight/Volume:	5 mL
Date Prepared:	06/21/2007 1030			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		2.0	U	0.13	2.0
alpha-BHC		2.0	U	0.096	2.0
beta-BHC		2.0	U	0.26	2.0
delta-BHC		2.0	U	0.14	2.0
gamma-BHC (Lindane)		2.0	U	0.12	2.0
alpha-Chlordane		2.0	U	0.61	2.0
gamma-Chlordane		2.0	U	0.49	2.0
4,4'-DDD		19		0.42	3.8
4,4'-DDE		9.8	P	0.37	3.8
4,4'-DDT		84	E	0.60	3.8
Dieldrin		3.9	P	0.36	3.8
Endosulfan I		3.2		0.32	2.0
Endosulfan II		3.8	U	0.79	3.8
Endosulfan sulfate		1.2	J P	0.31	3.8
Endrin		17		0.39	3.8
Endrin aldehyde		3.8	U	0.74	3.8
Endrin ketone		5.2	P	0.39	3.8
Heptachlor epoxide		2.0	U	0.12	2.0
Heptachlor		2.0	U	0.27	2.0
Methoxychlor		20	U	0.93	20
Toxaphene		200	U	49	200
PCB-1016		38	U	4.4	38
PCB-1221		78	U	15	78
PCB-1232		38	U	8.7	38
PCB-1242		38	U	5.6	38
PCB-1248		38	U	5.9	38
PCB-1254		38	U	2.7	38
PCB-1260		110		5.6	38

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	178	X	50 - 129
Tetrachloro-m-xylene	72		26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-5-4-8**

Lab Sample ID: 680-27416-4
Client Matrix: Solid
% Moisture: 14.0
Date Sampled: 06/07/2007 1350
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 10
Date Analyzed: 06/26/2007 1620
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78906
Prep Batch: 680-78303
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf26007.d
Initial Weight/Volume: 15.04 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		20	U	1.3	20
alpha-BHC		20	U	0.96	20
beta-BHC		20	U	2.6	20
delta-BHC		20	U	1.4	20
gamma-BHC (Lindane)		20	U	1.2	20
alpha-Chlordane		20	U	6.1	20
gamma-Chlordane		20	U	4.9	20
4,4'-DDD		22	J D	4.2	38
4,4'-DDE		11	J D	3.7	38
4,4'-DDT		75	D	6.0	38
Dieldrin		38	U	3.6	38
Endosulfan I		20	U	3.2	20
Endosulfan II		38	U	7.9	38
Endosulfan sulfate		38	U	3.1	38
Endrin		21	J D	3.9	38
Endrin aldehyde		38	U	7.4	38
Endrin ketone		5.7	J P D	3.9	38
Heptachlor epoxide		20	U	1.2	20
Heptachlor		20	U	2.7	20
Methoxychlor		200	U	9.3	200
Toxaphene		2000	U	490	2000
PCB-1016		380	U	44	380
PCB-1221		780	U	150	780
PCB-1232		380	U	87	380
PCB-1242		380	U	56	380
PCB-1248		380	U	59	380
PCB-1254		380	U	27	380
PCB-1260		380	U	56	380

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID:	680-27416-5			Date Sampled:	06/07/2007 1310
Client Matrix:	Solid	% Moisture:	15.4	Date Received:	06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-78785		Instrument ID:	GC SemiVolatiles - M
Preparation:	3550B	Prep Batch: 680-78303		Lab File ID:	mf25018.d
Dilution:	1000			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/25/2007 1912			Final Weight/Volume:	5 mL
Date Prepared:	06/21/2007 1030			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		2000	U	130	2000
alpha-BHC		2000	U	98	2000
beta-BHC		2000	U	260	2000
delta-BHC		2000	U	140	2000
gamma-BHC (Lindane)		2000	U	120	2000
alpha-Chlordane		2000	U	630	2000
gamma-Chlordane		2000	U	500	2000
4,4'-DDD		3900	U	430	3900
4,4'-DDE		50000	P	380	3900
4,4'-DDT		460000	E	610	3900
Dieldrin		93000	E P	370	3900
Endosulfan I		2000	U	330	2000
Endosulfan II		3900	U	800	3900
Endosulfan sulfate		3900	U	320	3900
Endrin		3900	U	400	3900
Endrin aldehyde		3900	U	760	3900
Endrin ketone		3900	U	400	3900
Heptachlor epoxide		2000	U	120	2000
Heptachlor		2000	U	270	2000
Methoxychlor		20000	U	940	20000
Toxaphene		200000	U	50000	200000
PCB-1016		39000	U	4500	39000
PCB-1221		79000	U	15000	79000
PCB-1232		39000	U	8900	39000
PCB-1242		39000	U	5700	39000
PCB-1248		1700000	E	6000	39000
PCB-1254		3400000	E	2700	39000
PCB-1260		5700000	E	5700	39000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID: 680-27416-5
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 06/07/2007 1310
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 10000
Date Analyzed: 06/27/2007 1750
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78987
Prep Batch: 680-78303
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf27017.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		20000	U	1300	20000
alpha-BHC		20000	U	980	20000
beta-BHC		20000	U	2600	20000
delta-BHC		20000	U	1400	20000
gamma-BHC (Lindane)		20000	U	1200	20000
alpha-Chlordane		20000	U	6300	20000
gamma-Chlordane		20000	U	5000	20000
4,4'-DDD		39000	U	4300	39000
4,4'-DDE		51000	D P	3800	39000
4,4'-DDT		760000	D	6100	39000
Dieldrin		89000	P D	3700	39000
Endosulfan I		20000	U	3300	20000
Endosulfan II		39000	U	8000	39000
Endosulfan sulfate		39000	U	3200	39000
Endrin		39000	U	4000	39000
Endrin aldehyde		39000	U	7600	39000
Endrin ketone		39000	U	4000	39000
Heptachlor epoxide		20000	U	1200	20000
Heptachlor		20000	U	2700	20000
Methoxychlor		200000	U	9400	200000
Toxaphene		2000000	U	500000	2000000
PCB-1016		390000	U	45000	390000
PCB-1221		790000	U	150000	790000
PCB-1232		390000	U	89000	390000
PCB-1242		390000	U	57000	390000
PCB-1248		980000	D	60000	390000
PCB-1254		3200000	D	27000	390000
PCB-1260		4400000	P D	57000	390000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID: 680-27416-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 06/07/2007 1330
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 100
Date Analyzed: 06/26/2007 1738
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78906
Prep Batch: 680-78303

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf26011.d
Initial Weight/Volume: 15.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		240	U	15	240
alpha-BHC		240	U	12	240
beta-BHC		240	U	30	240
delta-BHC		240	U	17	240
gamma-BHC (Lindane)		240	U	14	240
alpha-Chlordane		240	U	73	240
gamma-Chlordane		240	U	58	240
4,4'-DDD		17000	E P	50	460
4,4'-DDE		26000	E	44	460
4,4'-DDT		52000	E	72	460
Dieldrin		14000	E P	43	460
Endosulfan I		240	U	39	240
Endosulfan II		460	U	94	460
Endosulfan sulfate		460	U	37	460
Endrin		460	U	47	460
Endrin aldehyde		460	U	89	460
Endrin ketone		460	U	47	460
Heptachlor epoxide		240	U	14	240
Heptachlor		240	U	32	240
Methoxychlor		2400	U	110	2400
Toxaphene		24000	U	5800	24000
PCB-1016		4600	U	530	4600
PCB-1221		9300	U	1800	9300
PCB-1232		4600	U	1000	4600
PCB-1242		4600	U	670	4600
PCB-1248		150000	E	710	4600
PCB-1254		600000	E	320	4600
PCB-1260		260000	E P	670	4600

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID: 680-27416-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 06/07/2007 1330
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 1000
Date Analyzed: 06/25/2007 1931
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78785
Prep Batch: 680-78303
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25019.d
Initial Weight/Volume: 15.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		2400	U	150	2400
alpha-BHC		2400	U	120	2400
beta-BHC		2400	U	300	2400
delta-BHC		2400	U	170	2400
gamma-BHC (Lindane)		2400	U	140	2400
alpha-Chlordane		2400	U	730	2400
gamma-Chlordane		2400	U	580	2400
4,4'-DDD		26000	D	500	4600
4,4'-DDE		29000	D	440	4600
4,4'-DDT		49000	P D	720	4600
Dieldrin		24000	D P	430	4600
Endosulfan I		2400	U	390	2400
Endosulfan II		4600	U	940	4600
Endosulfan sulfate		4600	U	370	4600
Endrin		4600	U	470	4600
Endrin aldehyde		4600	U	890	4600
Endrin ketone		4600	U	470	4600
Heptachlor epoxide		2400	U	140	2400
Heptachlor		2400	U	320	2400
Methoxychlor		24000	U	1100	24000
Toxaphene		240000	U	58000	240000
PCB-1016		46000	U	5300	46000
PCB-1221		93000	U	18000	93000
PCB-1232		46000	U	10000	46000
PCB-1242		46000	U	6700	46000
PCB-1248		66000	D	7100	46000
PCB-1254		860000	D	3200	46000
PCB-1260		540000	D	6700	46000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID: 680-27416-7
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 06/07/2007 1215
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 100
Date Analyzed: 06/26/2007 1758
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78906
Prep Batch: 680-78303

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf26012.d
Initial Weight/Volume: 15.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		190	U	13	190
alpha-BHC		190	U	9.5	190
beta-BHC		190	U	25	190
delta-BHC		190	U	14	190
gamma-BHC (Lindane)		190	U	11	190
alpha-Chlordane		190	U	61	190
gamma-Chlordane		190	U	48	190
4,4'-DDD		16000	E P	41	380
4,4'-DDE		2700	P	37	380
4,4'-DDT		22000	E P	59	380
Dieldrin		3800	P	35	380
Endosulfan I		190	U	32	190
Endosulfan II		380	U	78	380
Endosulfan sulfate		380	U	31	380
Endrin		380	U	39	380
Endrin aldehyde		380	U	73	380
Endrin ketone		380	U	39	380
Heptachlor epoxide		190	U	11	190
Heptachlor		190	U	26	190
Methoxychlor		1900	U	92	1900
Toxaphene		19000	U	4800	19000
PCB-1016		3800	U	430	3800
PCB-1221		7700	U	1500	7700
PCB-1232		3800	U	860	3800
PCB-1242		3800	U	550	3800
PCB-1248		3800	U	580	3800
PCB-1254		89000	P	260	3800
PCB-1260		160000	P	550	3800

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID: 680-27416-7
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 06/07/2007 1215
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 1000
Date Analyzed: 06/25/2007 1951
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78785
Prep Batch: 680-78303
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25020.d
Initial Weight/Volume: 15.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1900	U	130	1900
alpha-BHC		1900	U	95	1900
beta-BHC		1900	U	250	1900
delta-BHC		1900	U	140	1900
gamma-BHC (Lindane)		1900	U	110	1900
alpha-Chlordane		1900	U	610	1900
gamma-Chlordane		1900	U	480	1900
4,4'-DDD		3800	U	410	3800
4,4'-DDE		1400	J D P	370	3800
4,4'-DDT		23000	P D	590	3800
Dieldrin		2400	J P D	350	3800
Endosulfan I		1900	U	320	1900
Endosulfan II		3800	U	780	3800
Endosulfan sulfate		3800	U	310	3800
Endrin		3800	U	390	3800
Endrin aldehyde		3800	U	730	3800
Endrin ketone		3800	U	390	3800
Heptachlor epoxide		1900	U	110	1900
Heptachlor		1900	U	260	1900
Methoxychlor		19000	U	920	19000
Toxaphene		190000	U	48000	190000
PCB-1016		38000	U	4300	38000
PCB-1221		77000	U	15000	77000
PCB-1232		38000	U	8600	38000
PCB-1242		38000	U	5500	38000
PCB-1248		38000	U	5800	38000
PCB-1254		100000	P D	2600	38000
PCB-1260		68000	P D	5500	38000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID: 680-27416-8
Client Matrix: Solid
% Moisture: 30.2
Date Sampled: 06/07/2007 1230
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 100
Date Analyzed: 06/26/2007 1817
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78906
Prep Batch: 680-78303

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf26013.d
Initial Weight/Volume: 15.05 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		240	U	16	240
alpha-BHC		240	U	12	240
beta-BHC		240	U	31	240
delta-BHC		240	U	17	240
gamma-BHC (Lindane)		240	U	14	240
alpha-Chlordane		240	U	76	240
gamma-Chlordane		240	U	60	240
4,4'-DDD		3300	P	51	470
4,4'-DDE		1800	P	46	470
4,4'-DDT		5500	P	74	470
Dieldrin		3900		44	470
Endosulfan I		240	U	40	240
Endosulfan II		470	U	97	470
Endosulfan sulfate		470	U	39	470
Endrin		470	U	49	470
Endrin aldehyde		470	U	91	470
Endrin ketone		470	U	49	470
Heptachlor epoxide		240	U	14	240
Heptachlor		240	U	33	240
Methoxychlor		2400	U	110	2400
Toxaphene		24000	U	6000	24000
PCB-1016		4700	U	540	4700
PCB-1221		9600	U	1900	9600
PCB-1232		4700	U	1100	4700
PCB-1242		4700	U	680	4700
PCB-1248		290000	E P	730	4700
PCB-1254		87000	P	330	4700
PCB-1260		21000	P	680	4700

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID: 680-27416-8
Client Matrix: Solid
% Moisture: 30.2
Date Sampled: 06/07/2007 1230
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 1000
Date Analyzed: 06/25/2007 2010
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78785
Prep Batch: 680-78303
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25021.d
Initial Weight/Volume: 15.05 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		2400	U	160	2400
alpha-BHC		2400	U	120	2400
beta-BHC		2400	U	310	2400
delta-BHC		2400	U	170	2400
gamma-BHC (Lindane)		2400	U	140	2400
alpha-Chlordane		2400	U	760	2400
gamma-Chlordane		2400	U	600	2400
4,4'-DDD		14000	D	510	4700
4,4'-DDE		4700	U	460	4700
4,4'-DDT		22000	P D	740	4700
Dieldrin		3300	J P D	440	4700
Endosulfan I		2400	U	400	2400
Endosulfan II		4700	U	970	4700
Endosulfan sulfate		4700	U	390	4700
Endrin		4700	U	490	4700
Endrin aldehyde		4700	U	910	4700
Endrin ketone		4700	U	490	4700
Heptachlor epoxide		2400	U	140	2400
Heptachlor		2400	U	330	2400
Methoxychlor		24000	U	1100	24000
Toxaphene		240000	U	60000	240000
PCB-1016		47000	U	5400	47000
PCB-1221		96000	U	19000	96000
PCB-1232		47000	U	11000	47000
PCB-1242		47000	U	6800	47000
PCB-1248		920000	D	7300	47000
PCB-1254		260000	D	3300	47000
PCB-1260		63000	P D	6800	47000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID: 680-27416-9
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 06/07/2007 1210
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 4.0
Date Analyzed: 06/25/2007 2325
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78788
Prep Batch: 680-78303

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25031.d
Initial Weight/Volume: 15.23 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.0	U	0.52	8.0
alpha-BHC		8.0	U	0.39	8.0
beta-BHC		8.0	U	1.0	8.0
delta-BHC		8.0	U	0.56	8.0
gamma-BHC (Lindane)		8.0	U	0.47	8.0
alpha-Chlordane		8.0	U	2.5	8.0
gamma-Chlordane		8.0	U	2.0	8.0
4,4'-DDD		1600	E P	1.7	15
4,4'-DDE		370	E P	1.5	15
4,4'-DDT		1800	E	2.4	15
Dieldrin		240	P	1.5	15
Endosulfan I		8.0	U	1.3	8.0
Endosulfan II		15	U	3.2	15
Endosulfan sulfate		130	P	1.3	15
Endrin		15	U	1.6	15
Endrin aldehyde		15	U	3.0	15
Endrin ketone		15	U	1.6	15
Heptachlor epoxide		8.0	U	0.47	8.0
Heptachlor		8.0	U	1.1	8.0
Methoxychlor		80	U	3.7	80
Toxaphene		800	U	200	800
PCB-1016		150	U	18	150
PCB-1221		310	U	61	310
PCB-1232		150	U	35	150
PCB-1242		150	U	22	150
PCB-1248		3200		24	150
PCB-1254		10000	E	11	150
PCB-1260		8200	E	22	150

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	*7340*	X	*50 - 129*
Tetrachloro-m-xylene	44		26 - 140

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID: 680-27416-9
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 06/07/2007 1210
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 50
Date Analyzed: 06/26/2007 1836
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78906
Prep Batch: 680-78303
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf26014.d
Initial Weight/Volume: 15.23 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		100	U	6.4	100
alpha-BHC		100	U	4.9	100
beta-BHC		100	U	13	100
delta-BHC		100	U	7.0	100
gamma-BHC (Lindane)		100	U	5.9	100
alpha-Chlordane		100	U	31	100
gamma-Chlordane		100	U	25	100
4,4'-DDD		790	D P	21	190
4,4'-DDE		570	D	19	190
4,4'-DDT		2700	D	30	190
Dieldrin		470	D	18	190
Endosulfan I		100	U	16	100
Endosulfan II		190	U	40	190
Endosulfan sulfate		190	U	16	190
Endrin		190	U	20	190
Endrin aldehyde		190	U	37	190
Endrin ketone		190	U	20	190
Heptachlor epoxide		100	U	5.9	100
Heptachlor		100	U	13	100
Methoxychlor		1000	U	47	1000
Toxaphene		10000	U	2500	10000
PCB-1016		1900	U	220	1900
PCB-1221		3900	U	760	3900
PCB-1232		1900	U	440	1900
PCB-1242		1900	U	280	1900
PCB-1248		1900	J P D	300	1900
PCB-1254		11000	D	130	1900
PCB-1260		12000	P D	280	1900

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID: 680-27416-10
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 06/07/2007 1140
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 100
Date Analyzed: 06/26/2007 1856
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78906
Prep Batch: 680-78303

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf26015.d
Initial Weight/Volume: 15.11 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		210	U	14	210
alpha-BHC		210	U	10	210
beta-BHC		210	U	27	210
delta-BHC		210	U	15	210
gamma-BHC (Lindane)		210	U	12	210
alpha-Chlordane		210	U	66	210
gamma-Chlordane		210	U	52	210
4,4'-DDD		11000	E P	45	410
4,4'-DDE		410	U	40	410
4,4'-DDT		19000	E P	64	410
Dieldrin		3400	P	38	410
Endosulfan I		210	U	35	210
Endosulfan II		410	U	84	410
Endosulfan sulfate		410	U	33	410
Endrin		410	U	42	410
Endrin aldehyde		410	U	79	410
Endrin ketone		410	U	42	410
Heptachlor epoxide		210	U	12	210
Heptachlor		210	U	29	210
Methoxychlor		2100	U	99	2100
Toxaphene		21000	U	5200	21000
PCB-1016		4100	U	470	4100
PCB-1221		8300	U	1600	8300
PCB-1232		4100	U	930	4100
PCB-1242		4100	U	590	4100
PCB-1248		4100	U	630	4100
PCB-1254		4100	U	290	4100
PCB-1260		88000	P	590	4100

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID: 680-27416-10
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 06/07/2007 1140
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 1000
Date Analyzed: 06/25/2007 2030
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78785
Prep Batch: 680-78303
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25022.d
Initial Weight/Volume: 15.11 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		2100	U	140	2100
alpha-BHC		2100	U	100	2100
beta-BHC		2100	U	270	2100
delta-BHC		2100	U	150	2100
gamma-BHC (Lindane)		2100	U	120	2100
alpha-Chlordane		2100	U	660	2100
gamma-Chlordane		2100	U	520	2100
4,4'-DDD		19000	D	450	4100
4,4'-DDE		4100	U	400	4100
4,4'-DDT		26000	P D	640	4100
Dieldrin		3200	J P D	380	4100
Endosulfan I		2100	U	350	2100
Endosulfan II		4100	U	840	4100
Endosulfan sulfate		4100	U	330	4100
Endrin		4100	U	420	4100
Endrin aldehyde		4100	U	790	4100
Endrin ketone		4100	U	420	4100
Heptachlor epoxide		2100	U	120	2100
Heptachlor		2100	U	290	2100
Methoxychlor		21000	U	990	21000
Toxaphene		210000	U	52000	210000
PCB-1016		41000	U	4700	41000
PCB-1221		83000	U	16000	83000
PCB-1232		41000	U	9300	41000
PCB-1242		41000	U	5900	41000
PCB-1248		41000	U	6300	41000
PCB-1254		41000	U	2900	41000
PCB-1260		160000	D	5900	41000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID: 680-27416-11
Client Matrix: Solid
% Moisture: 25.2
Date Sampled: 06/07/2007 1205
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 1000
Date Analyzed: 06/25/2007 2049
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78785
Prep Batch: 680-78303

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25023.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		2300	U	150	2300
alpha-BHC		2300	U	110	2300
beta-BHC		2300	U	290	2300
delta-BHC		2300	U	160	2300
gamma-BHC (Lindane)		2300	U	130	2300
alpha-Chlordane		2300	U	710	2300
gamma-Chlordane		2300	U	560	2300
4,4'-DDD		570000	E P	480	4400
4,4'-DDE		36000		430	4400
4,4'-DDT		3600	J	690	4400
Dieldrin		4400	U	410	4400
Endosulfan I		2300	U	370	2300
Endosulfan II		4400	U	910	4400
Endosulfan sulfate		4400	U	360	4400
Endrin		4400	U	450	4400
Endrin aldehyde		4400	U	850	4400
Endrin ketone		730	J	450	4400
Heptachlor epoxide		2300	U	130	2300
Heptachlor		2300	U	310	2300
Methoxychlor		23000	U	1100	23000
Toxaphene		230000	U	56000	230000
PCB-1016		44000	U	5100	44000
PCB-1221		89000	U	17000	89000
PCB-1232		44000	U	10000	44000
PCB-1242		44000	U	6400	44000
PCB-1248		44000	U	6800	44000
PCB-1254		44000	U	3100	44000
PCB-1260		44000	U	6400	44000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID: 680-27416-11
Client Matrix: Solid
% Moisture: 25.2
Date Sampled: 06/07/2007 1205
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 20000
Date Analyzed: 06/27/2007 1809
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78987
Prep Batch: 680-78303
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf27018.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		45000	U	2900	45000
alpha-BHC		45000	U	2200	45000
beta-BHC		45000	U	5900	45000
delta-BHC		45000	U	3200	45000
gamma-BHC (Lindane)		45000	U	2700	45000
alpha-Chlordane		45000	U	14000	45000
gamma-Chlordane		45000	U	11000	45000
4,4'-DDD		940000	D	9600	88000
4,4'-DDE		36000	J D	8500	88000
4,4'-DDT		88000	U	14000	88000
Dieldrin		88000	U	8300	88000
Endosulfan I		45000	U	7500	45000
Endosulfan II		88000	U	18000	88000
Endosulfan sulfate		88000	U	7200	88000
Endrin		88000	U	9100	88000
Endrin aldehyde		88000	U	17000	88000
Endrin ketone		88000	U	9100	88000
Heptachlor epoxide		45000	U	2700	45000
Heptachlor		45000	U	6100	45000
Methoxychlor		450000	U	21000	450000
Toxaphene		4500000	U	1100000	4500000
PCB-1016		880000	U	100000	880000
PCB-1221		1800000	U	350000	1800000
PCB-1232		880000	U	200000	880000
PCB-1242		880000	U	130000	880000
PCB-1248		880000	U	140000	880000
PCB-1254		880000	U	61000	880000
PCB-1260		880000	U	130000	880000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-4-8**

Lab Sample ID: 680-27416-12
Client Matrix: Solid
% Moisture: 17.2
Date Sampled: 06/07/2007 1110
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 10
Date Analyzed: 06/26/2007 0004
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78788
Prep Batch: 680-78303

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25032.d
Initial Weight/Volume: 15.16 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		20	U	1.3	20
alpha-BHC		20	U	0.99	20
beta-BHC		20	U	2.6	20
delta-BHC		20	U	1.4	20
gamma-BHC (Lindane)		20	U	1.2	20
alpha-Chlordane		20	U	6.3	20
gamma-Chlordane		20	U	5.0	20
4,4'-DDD		39	U	4.3	39
4,4'-DDE		21	J P	3.8	39
4,4'-DDT		39	U	6.2	39
Dieldrin		6.6	J P	3.7	39
Endosulfan I		20	U	3.3	20
Endosulfan II		39	U	8.1	39
Endosulfan sulfate		39	U	3.2	39
Endrin		39	U	4.1	39
Endrin aldehyde		39	U	7.6	39
Endrin ketone		39	U	4.1	39
Heptachlor epoxide		20	U	1.2	20
Heptachlor		20	U	2.7	20
Methoxychlor		200	U	9.6	200
Toxaphene		2000	U	500	2000
PCB-1016		390	U	45	390
PCB-1221		800	U	160	800
PCB-1232		390	U	90	390
PCB-1242		390	U	57	390
PCB-1248		390	U	61	390
PCB-1254		390	U	27	390
PCB-1260		390	U	57	390

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-8-15**

Lab Sample ID:	680-27416-13			Date Sampled:	06/07/2007 1135
Client Matrix:	Solid	% Moisture:	16.2	Date Received:	06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-78788		Instrument ID:	GC SemiVolatiles - M
Preparation:	3550B	Prep Batch: 680-78303		Lab File ID:	mf25033.d
Dilution:	10			Initial Weight/Volume:	15.19 g
Date Analyzed:	06/26/2007 0043			Final Weight/Volume:	5 mL
Date Prepared:	*06/21/2007 1030*			*Injection Volume:*	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		20	U	1.3	20
alpha-BHC		20	U	0.98	20
beta-BHC		20	U	2.6	20
delta-BHC		20	U	1.4	20
gamma-BHC (Lindane)		20	U	1.2	20
alpha-Chlordane		20	U	6.2	20
gamma-Chlordane		20	U	4.9	20
4,4'-DDD		39	U	4.2	39
4,4'-DDE		39	U	3.8	39
4,4'-DDT		39	U	6.1	39
Dieldrin		39	U	3.7	39
Endosulfan I		20	U	3.3	20
Endosulfan II		39	U	8.0	39
Endosulfan sulfate		39	U	3.2	39
Endrin		39	U	4.0	39
Endrin aldehyde		39	U	7.5	39
Endrin ketone		39	U	4.0	39
Heptachlor epoxide		20	U	1.2	20
Heptachlor		20	U	2.7	20
Methoxychlor		200	U	9.4	200
Toxaphene		2000	U	490	2000
PCB-1016		390	U	45	390
PCB-1221		790	U	150	790
PCB-1232		390	U	88	390
PCB-1242		390	U	57	390
PCB-1248		390	U	60	390
PCB-1254		390	U	27	390
PCB-1260		390	U	57	390

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **DUPLICATE**

Lab Sample ID: 680-27416-14FD
Client Matrix: Solid
% Moisture: 12.7
Date Sampled: 06/07/2007 0000
Date Received: 06/08/2007 0904

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/26/2007 1935
Date Prepared: *06/21/2007 1030*

Analysis Batch: 680-78906
Prep Batch: 680-78303

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf26017.d
Initial Weight/Volume: 15.04 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.9	U	0.13	1.9
alpha-BHC		1.9	U	0.095	1.9
beta-BHC		1.9	U	0.25	1.9
delta-BHC		1.9	U	0.14	1.9
gamma-BHC (Lindane)		1.9	U	0.11	1.9
alpha-Chlordane		1.9	U	0.61	1.9
gamma-Chlordane		1.9	U	0.48	1.9
4,4'-DDD		8.7	P	0.41	3.8
4,4'-DDE		9.0	P	0.37	3.8
4,4'-DDT		44		0.59	3.8
Dieldrin		14		0.35	3.8
Endosulfan I		1.9	U	0.32	1.9
Endosulfan II		3.8	U	0.78	3.8
Endosulfan sulfate		3.8	U	0.31	3.8
Endrin		2.2	J P	0.39	3.8
Endrin aldehyde		3.8	U	0.73	3.8
Endrin ketone		3.8	U	0.39	3.8
Heptachlor epoxide		1.9	U	0.11	1.9
Heptachlor		1.9	U	0.26	1.9
Methoxychlor		19	U	0.91	19
Toxaphene		190	U	48	190
PCB-1016		38	U	4.3	38
PCB-1221		77	U	15	77
PCB-1232		38	U	8.6	38
PCB-1242		38	U	5.5	38
PCB-1248		38	U	5.8	38
PCB-1254		330		2.6	38
PCB-1260		240		5.5	38

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	347	X	50 - 129
Tetrachloro-m-xylene	86		26 - 140

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-8-4-6.9**

Lab Sample ID:	680-27416-1			Date Sampled:	06/07/2007 1515
Client Matrix:	Solid	% Moisture:	18.0	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78412		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf14040.d
Dilution:	1.0			Initial Weight/Volume:	15.0 g
Date Analyzed:	06/14/2007 2250			Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		10	U	1.2	10
2,4-DB		10	U	4.9	10
2,4,5-T		10	U	2.4	10
2,4,5-TP (Silvex)		10	U	2.4	10
Dalapon		400	U	12	400
Dicamba		10	U	1.8	10
Dichlorprop		10	U	2.2	10
Dinoseb		120	U	17	120
MCPA		2400	U	490	2400
MCPP		2400	U	1000	2400
4-Nitrophenol		40	U	9.3	40
Pentachlorophenol		10	U	1.2	10

Surrogate	%Rec	Acceptance Limits
DCAA	102	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-7-4-8**

Lab Sample ID:	680-27416-2			Date Sampled:	06/07/2007 1450
Client Matrix:	Solid	% Moisture:	16.6	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78412		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf14041.d
Dilution:	1.0			Initial Weight/Volume:	15.0 g
Date Analyzed:	06/14/2007 2310			Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		10	U	1.2	10
2,4-DB		10	U	4.8	10
2,4,5-T		10	U	2.4	10
2,4,5-TP (Silvex)		10	U	2.4	10
Dalapon		400	U	12	400
Dicamba		10	U	1.8	10
Dichlorprop		10	U	2.2	10
Dinoseb		120	U	17	120
MCPA		2400	U	480	2400
MCPP		2400	U	1000	2400
4-Nitrophenol		40	U	9.1	40
Pentachlorophenol		53		1.2	10

Surrogate	%Rec	Acceptance Limits
DCAA	94	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-6-4-8**

Lab Sample ID:	680-27416-3			Date Sampled:	06/07/2007 1415
Client Matrix:	Solid	% Moisture:	12.9	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78412		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf14042.d
Dilution:	1.0			Initial Weight/Volume:	15.0 g
Date Analyzed:	06/14/2007 2331			Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		9.5	U	1.1	9.5
2,4-DB		9.5	U	4.6	9.5
2,4,5-T		9.5	U	2.3	9.5
2,4,5-TP (Silvex)		9.5	U	2.3	9.5
Dalapon		380	U	11	380
Dicamba		9.5	U	1.7	9.5
Dichlorprop		9.5	U	2.1	9.5
Dinoseb		110	U	16	110
MCPA		2300	U	460	2300
MCPP		2300	U	950	2300
4-Nitrophenol		38	U	8.7	38
Pentachlorophenol		46		1.1	9.5

Surrogate	%Rec	Acceptance Limits
DCAA	96	58 - 110

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-5-4-8**

Lab Sample ID: 680-27416-4
Client Matrix: Solid
% Moisture: 14.0
Date Sampled: 06/07/2007 1350
Date Received: 06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 06/14/2007 2352
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78412
Prep Batch: 680-77405

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf14043.d
Initial Weight/Volume: 15.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		9.7	U	1.1	9.7
2,4-DB		9.7	U	4.7	9.7
2,4,5-T		9.7	U	2.3	9.7
2,4,5-TP (Silvex)		9.7	U	2.3	9.7
Dalapon		380	U	12	380
Dicamba		9.7	U	1.7	9.7
Dichlorprop		9.7	U	2.1	9.7
Dinoseb		120	U	16	120
MCPA		2300	U	470	2300
MCPP		2300	U	970	2300
4-Nitrophenol		38	U	8.8	38
Pentachlorophenol		15		1.1	9.7

Surrogate	%Rec	Acceptance Limits
DCAA	106	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID:	680-27416-5			Date Sampled:	06/07/2007 1310
Client Matrix:	Solid	% Moisture:	15.4	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78516		Instrument ID:	GC SemiVolatiles - S
Preparation:	*8151A*	*Prep Batch: 680-77405*		*Lab File ID:*	*sf21023.d*
Dilution:	10			Initial Weight/Volume:	15.1 g
Date Analyzed:	06/21/2007 2311			Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		97	U	11	97
2,4-DB		97	U	47	97
2,4,5-T		97	U	23	97
2,4,5-TP (Silvex)		97	U	23	97
Dalapon		3900	U	120	3900
Dicamba		97	U	18	97
Dichlorprop		97	U	21	97
Dinoseb		1200	U	160	1200
MCPA		23000	U	4700	23000
MCPP		23000	U	9700	23000
4-Nitrophenol		390	U	89	390
Pentachlorophenol		5500	E	12	97

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID:	680-27416-5			Date Sampled:	06/07/2007 1310
Client Matrix:	Solid	% Moisture:	15.4	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78516		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf21024.d
Dilution:	100			Initial Weight/Volume:	15.1 g
Date Analyzed:	06/21/2007 2332	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		970	U	110	970
2,4-DB		970	U	470	970
2,4,5-T		970	U	230	970
2,4,5-TP (Silvex)		970	U	230	970
Dalapon		39000	U	1200	39000
Dicamba		970	U	180	970
Dichlorprop		970	U	210	970
Dinoseb		12000	U	1600	12000
MCPA		230000	U	47000	230000
MCPP		230000	U	97000	230000
4-Nitrophenol		3900	U	890	3900
Pentachlorophenol		8100	D	120	970

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID:	680-27416-6			Date Sampled:	06/07/2007 1330
Client Matrix:	Solid	% Moisture:	28.1	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78516		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf21025.d
Dilution:	4.0			Initial Weight/Volume:	15.0 g
Date Analyzed:	06/21/2007 2353			Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		46	U	5.4	46
2,4-DB		46	U	22	46
2,4,5-T		46	U	11	46
2,4,5-TP (Silvex)		46	U	11	46
Dalapon		1800	U	56	1800
Dicamba		46	U	8.3	46
Dichlorprop		46	U	10	46
Dinoseb		560	U	78	560
MCPA		11000	U	2200	11000
MCPP		11000	U	4600	11000
4-Nitrophenol		180	U	42	180
Pentachlorophenol		690	E	5.5	46

Surrogate	%Rec	Acceptance Limits
DCAA	90	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID: 680-27416-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 06/07/2007 1330
Date Received: 06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method: 8151A
Preparation: 8151A
Dilution: 20
Date Analyzed: 06/22/2007 0014
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78516
Prep Batch: 680-77405
Run Type: DL

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf21026.d
Initial Weight/Volume: 15.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		230	U	27	230
2,4-DB		230	U	110	230
2,4,5-T		230	U	56	230
2,4,5-TP (Silvex)		230	U	56	230
Dalapon		9200	U	280	9200
Dicamba		230	U	42	230
Dichlorprop		230	U	50	230
Dinoseb		2800	U	390	2800
MCPA		56000	U	11000	56000
MCPP		56000	U	23000	56000
4-Nitrophenol		920	U	210	920
Pentachlorophenol		660	D	27	230

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID:	680-27416-7			Date Sampled:	06/07/2007 1215
Client Matrix:	Solid	% Moisture:	13.8	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78530		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf21040.d
Dilution:	200			Initial Weight/Volume:	15.0 g
Date Analyzed:	06/22/2007 0940			Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		1900	U	220	1900
2,4-DB		1900	U	930	1900
2,4,5-T		1900	U	460	1900
2,4,5-TP (Silvex)		1900	U	460	1900
Dalapon		77000	U	2300	77000
Dicamba		1900	U	350	1900
Dichlorprop		1900	U	420	1900
Dinoseb		23000	U	3200	23000
MCPA		460000	U	93000	460000
MCPP		460000	U	190000	460000
4-Nitrophenol		7700	U	1800	7700
Pentachlorophenol		75000	E	230	1900

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID:	680-27416-7			Date Sampled:	06/07/2007 1215
Client Matrix:	Solid	% Moisture:	13.8	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78530		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf21041.d
Dilution:	2000			Initial Weight/Volume:	15.0 g
Date Analyzed:	06/22/2007 1000	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		19000	U	2200	19000
2,4-DB		19000	U	9300	19000
2,4,5-T		19000	U	4600	19000
2,4,5-TP (Silvex)		19000	U	4600	19000
Dalapon		770000	U	23000	770000
Dicamba		19000	U	3500	19000
Dichlorprop		19000	U	4200	19000
Dinoseb		230000	U	32000	230000
MCPA		4600000	U	930000	4600000
MCPP		4600000	U	1900000	4600000
4-Nitrophenol		77000	U	18000	77000
Pentachlorophenol		79000	D	2300	19000

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID:	680-27416-8			Date Sampled:	06/07/2007 1230
Client Matrix:	Solid	% Moisture:	30.2	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78516		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf21029.d
Dilution:	10			Initial Weight/Volume:	15.1 g
Date Analyzed:	06/22/2007 0117			Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		120	U	14	120
2,4-DB		120	U	57	120
2,4,5-T		120	U	28	120
2,4,5-TP (Silvex)		120	U	28	120
Dalapon		4700	U	140	4700
Dicamba		120	U	21	120
Dichlorprop		120	U	26	120
Dinoseb		1400	U	200	1400
MCPA		28000	U	5700	28000
MCPP		28000	U	12000	28000
4-Nitrophenol		470	U	110	470
Pentachlorophenol		6500	E	14	120

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID:	680-27416-8			Date Sampled:	06/07/2007 1230
Client Matrix:	Solid	% Moisture:	30.2	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78516		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf21030.d
Dilution:	100			Initial Weight/Volume:	15.1 g
Date Analyzed:	06/22/2007 0138	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		1200	U	140	1200
2,4-DB		1200	U	570	1200
2,4,5-T		1200	U	280	1200
2,4,5-TP (Silvex)		1200	U	280	1200
Dalapon		47000	U	1400	47000
Dicamba		1200	U	210	1200
Dichlorprop		1200	U	260	1200
Dinoseb		14000	U	2000	14000
MCPA		280000	U	57000	280000
MCPP		280000	U	120000	280000
4-Nitrophenol		4700	U	1100	4700
Pentachlorophenol		9500	D	140	1200

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID:	680-27416-9			Date Sampled:	06/07/2007 1210
Client Matrix:	Solid	% Moisture:	15.9	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78412		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf14048.d
Dilution:	1.0			Initial Weight/Volume:	15.1 g
Date Analyzed:	06/15/2007 0137			Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		9.8	U	1.1	9.8
2,4-DB		9.8	U	4.7	9.8
2,4,5-T		9.8	U	2.4	9.8
2,4,5-TP (Silvex)		9.8	U	2.4	9.8
Dalapon		390	U	12	390
Dicamba		9.8	U	1.8	9.8
Dichlorprop		9.8	U	2.1	9.8
Dinoseb		120	U	17	120
MCPA		2400	U	470	2400
MCPP		2400	U	980	2400
4-Nitrophenol		39	U	9.0	39
Pentachlorophenol		61		1.2	9.8

Surrogate	%Rec	Acceptance Limits
DCAA	72	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID: 680-27416-10
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 06/07/2007 1140
Date Received: 06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method: 8151A
Preparation: 8151A
Dilution: 10
Date Analyzed: 06/22/2007 0159
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78516
Prep Batch: 680-77405

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf21031.d
Initial Weight/Volume: 15.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		100	U	12	100
2,4-DB		100	U	50	100
2,4,5-T		100	U	25	100
2,4,5-TP (Silvex)		100	U	25	100
Dalapon		4100	U	120	4100
Dicamba		100	U	19	100
Dichlorprop		100	U	22	100
Dinoseb		1200	U	170	1200
MCPA		25000	U	5000	25000
MCPP		25000	U	10000	25000
4-Nitrophenol		410	U	95	410
Pentachlorophenol		3500	E	12	100

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID: 680-27416-10
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 06/07/2007 1140
Date Received: 06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method: 8151A
Preparation: 8151A
Dilution: 100
Date Analyzed: 06/22/2007 0220
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78516
Prep Batch: 680-77405
Run Type: DL

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf21032.d
Initial Weight/Volume: 15.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		1000	U	120	1000
2,4-DB		1000	U	500	1000
2,4,5-T		1000	U	250	1000
2,4,5-TP (Silvex)		1000	U	250	1000
Dalapon		41000	U	1200	41000
Dicamba		1000	U	190	1000
Dichlorprop		1000	U	220	1000
Dinoseb		12000	U	1700	12000
MCPA		250000	U	50000	250000
MCPP		250000	U	100000	250000
4-Nitrophenol		4100	U	950	4100
Pentachlorophenol		2000	D	120	1000

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID:	680-27416-11			Date Sampled:	06/07/2007 1205
Client Matrix:	Solid	% Moisture:	25.2	Date Received:	06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method:	8151A	Analysis Batch: 680-78516		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-77405		Lab File ID:	sf21033.d
Dilution:	10			Initial Weight/Volume:	15.0 g
Date Analyzed:	06/22/2007 0241			Final Weight/Volume:	5 mL
Date Prepared:	06/11/2007 1307			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		110	U	13	110
2,4-DB		110	U	53	110
2,4,5-T		110	U	27	110
2,4,5-TP (Silvex)		110	U	27	110
Dalapon		4400	U	130	4400
Dicamba		110	U	20	110
Dichlorprop		110	U	24	110
Dinoseb		1300	U	190	1300
MCPA		27000	U	5300	27000
MCPP		27000	U	11000	27000
4-Nitrophenol		440	U	100	440
Pentachlorophenol		5500	E	13	110

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID: 680-27416-11
Client Matrix: Solid
% Moisture: 25.2
Date Sampled: 06/07/2007 1205
Date Received: 06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method: 8151A
Preparation: 8151A
Dilution: 100
Date Analyzed: 06/22/2007 0302
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78516
Prep Batch: 680-77405
Run Type: DL

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf21034.d
Initial Weight/Volume: 15.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		1100	U	130	1100
2,4-DB		1100	U	530	1100
2,4,5-T		1100	U	270	1100
2,4,5-TP (Silvex)		1100	U	270	1100
Dalapon		44000	U	1300	44000
Dicamba		1100	U	200	1100
Dichlorprop		1100	U	240	1100
Dinoseb		13000	U	1900	13000
MCPA		270000	U	53000	270000
MCPP		270000	U	110000	270000
4-Nitrophenol		4400	U	1000	4400
Pentachlorophenol		7700	D	130	1100

Surrogate	%Rec		Acceptance Limits
DCAA	0	D	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-4-8**

Lab Sample ID: 680-27416-12
Client Matrix: Solid
% Moisture: 17.2
Date Sampled: 06/07/2007 1110
Date Received: 06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 06/15/2007 0239
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78412
Prep Batch: 680-77405

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf14051.d
Initial Weight/Volume: 15.1 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		110	P	1.2	10
2,4-DB		10	U	4.8	10
2,4,5-T		10	U	2.4	10
2,4,5-TP (Silvex)		10	U	2.4	10
Dalapon		400	U	12	400
Dicamba		10	U	1.8	10
Dichlorprop		10	U	2.2	10
Dinoseb		120	U	17	120
MCPA		2400	U	480	2400
MCPP		2400	U	1000	2400
4-Nitrophenol		40	U	9.1	40
Pentachlorophenol		26		1.2	10

Surrogate	%Rec	Acceptance Limits
DCAA	65	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-8-15**

Lab Sample ID: 680-27416-13
Client Matrix: Solid
% Moisture: 16.2
Date Sampled: 06/07/2007 1135
Date Received: 06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 06/15/2007 0300
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78412
Prep Batch: 680-77405

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf14052.d
Initial Weight/Volume: 15.1 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		9.8	U	1.1	9.8
2,4-DB		9.8	U	4.7	9.8
2,4,5-T		9.8	U	2.4	9.8
2,4,5-TP (Silvex)		9.8	U	2.4	9.8
Dalapon		390	U	12	390
Dicamba		9.8	U	1.8	9.8
Dichlorprop		9.8	U	2.1	9.8
Dinoseb		120	U	17	120
MCPA		2400	U	470	2400
MCPP		2400	U	980	2400
4-Nitrophenol		39	U	9.0	39
Pentachlorophenol		9.8	U	1.2	9.8

Surrogate	%Rec	Acceptance Limits
DCAA	83	58 - 110

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **DUPLICATE**

Lab Sample ID: 680-27416-14FD
Client Matrix: Solid
% Moisture: 12.7
Date Sampled: 06/07/2007 0000
Date Received: 06/08/2007 0904

8151A Chlorinated Herbicides by GC

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 06/15/2007 0321
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78412
Prep Batch: 680-77405

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf14053.d
Initial Weight/Volume: 15.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		9.5	U	1.1	9.5
2,4-DB		9.5	U	4.6	9.5
2,4,5-T		9.5	U	2.3	9.5
2,4,5-TP (Silvex)		9.5	U	2.3	9.5
Dalapon		380	U	11	380
Dicamba		9.5	U	1.7	9.5
Dichlorprop		9.5	U	2.1	9.5
Dinoseb		110	U	16	110
MCPA		2300	U	460	2300
MCPP		2300	U	950	2300
4-Nitrophenol		38	U	8.7	38
Pentachlorophenol		10		1.1	9.5

Surrogate	%Rec	Acceptance Limits
DCAA	95	58 - 110

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-8-4-6.9**

Lab Sample ID:	680-27416-1			Date Sampled:	06/07/2007 1515
Client Matrix:	Solid	% Moisture:	18.0	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Date Analyzed:	06/13/2007 0258			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7200		3.1	22
Antimony		2.2	U	0.23	2.2
Arsenic		4.1		0.37	1.1
Barium		170		0.39	1.1
Beryllium		0.37	J	0.061	0.44
Cadmium		0.19	J	0.045	0.55
Calcium		11000		3.3	55
Chromium		11		0.18	1.1
Cobalt		4.3		0.10	1.1
Copper		9.8		0.24	2.2
Iron		9700		2.0	5.5
Lead		6.9	B	0.21	0.55
Magnesium		4800		0.69	55
Manganese		130		0.24	1.1
Nickel		14		0.18	4.4
Potassium		1400		4.0	110
Selenium		2.8	U	0.22	2.8
Silver		1.1	U	0.044	1.1
Sodium		310		84	110
Thallium		0.87	J	0.52	2.8
Vanadium		23		0.20	1.1
Zinc		34		0.40	2.2

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Date Analyzed:	06/15/2007 1137			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.010	J	0.0044	0.022

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-7-4-8**

Lab Sample ID:	680-27416-2			Date Sampled:	06/07/2007 1450
Client Matrix:	Solid	% Moisture:	16.6	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	06/13/2007 0303			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6500		3.1	22
Antimony		2.2	U	0.23	2.2
Arsenic		2.4		0.37	1.1
Barium		200		0.39	1.1
Beryllium		0.35	J	0.061	0.44
Cadmium		0.32	J	0.046	0.56
Calcium		12000		3.3	56
Chromium		10		0.18	1.1
Cobalt		4.5		0.10	1.1
Copper		18		0.24	2.2
Iron		8800		2.0	5.6
Lead		9.4	B	0.21	0.56
Magnesium		5000		0.69	56
Manganese		150		0.24	1.1
Nickel		29		0.18	4.4
Potassium		1300		4.0	110
Selenium		2.8	U	0.22	2.8
Silver		1.1	U	0.044	1.1
Sodium		220		84	110
Thallium		2.8	U	0.52	2.8
Vanadium		21		0.20	1.1
Zinc		61		0.40	2.2

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	06/15/2007 1140			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.021	J	0.0044	0.022

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-6-4-8**

Lab Sample ID:	680-27416-3			Date Sampled:	06/07/2007 1415
Client Matrix:	Solid	% Moisture:	12.9	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Date Analyzed:	06/13/2007 0308			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8300		2.8	20
Antimony		0.29	J	0.21	2.0
Arsenic		4.7		0.33	1.0
Barium		270		0.35	1.0
Beryllium		0.35	J	0.055	0.40
Cadmium		0.28	J	0.041	0.50
Calcium		10000		3.0	50
Chromium		12		0.16	1.0
Cobalt		7.0		0.093	1.0
Copper		16		0.22	2.0
Iron		11000		1.8	5.0
Lead		28	B	0.19	0.50
Magnesium		4500		0.62	50
Manganese		180		0.22	1.0
Nickel		15		0.16	4.0
Potassium		1500		3.6	100
Selenium		2.5	U	0.20	2.5
Silver		1.0	U	0.040	1.0
Sodium		160		77	100
Thallium		2.5	U	0.47	2.5
Vanadium		25		0.18	1.0
Zinc		56		0.36	2.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Date Analyzed:	06/15/2007 1142			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.12		0.0041	0.021

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-5-4-8**

Lab Sample ID:	680-27416-4			Date Sampled:	06/07/2007 1350
Client Matrix:	Solid	% Moisture:	14.0	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Date Analyzed:	06/13/2007 0313			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7700		2.9	21
Antimony		0.28	J	0.22	2.1
Arsenic		3.2		0.34	1.0
Barium		140		0.36	1.0
Beryllium		0.38	J	0.057	0.42
Cadmium		0.26	J	0.043	0.52
Calcium		8200		3.1	52
Chromium		11		0.17	1.0
Cobalt		4.6		0.096	1.0
Copper		13		0.23	2.1
Iron		10000		1.9	5.2
Lead		8.1	B	0.20	0.52
Magnesium		3900		0.64	52
Manganese		150		0.23	1.0
Nickel		13		0.17	4.2
Potassium		1400		3.7	100
Selenium		2.6	U	0.21	2.6
Silver		1.0	U	0.042	1.0
Sodium		220		79	100
Thallium		2.6	U	0.49	2.6
Vanadium		23		0.19	1.0
Zinc		49		0.37	2.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Date Analyzed:	06/15/2007 1151			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	J	0.0042	0.021

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID:	680-27416-5			Date Sampled:	06/07/2007 1310
Client Matrix:	Solid	% Moisture:	15.4	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Date Analyzed:	06/13/2007 0318			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4500		3.0	22
Antimony		21		0.23	2.2
Arsenic		10		0.36	1.1
Barium		1900		0.38	1.1
Beryllium		0.45		0.060	0.43
Cadmium		7.3		0.044	0.54
Calcium		21000		3.3	54
Chromium		55		0.17	1.1
Cobalt		9.7		0.10	1.1
Copper		700		0.24	2.2
Iron		45000		2.0	5.4
Lead		380	B	0.21	0.54
Magnesium		2300		0.67	54
Manganese		320		0.24	1.1
Nickel		79		0.17	4.3
Potassium		570		3.9	110
Selenium		0.28	J	0.22	2.7
Silver		13		0.043	1.1
Sodium		390		82	110
Thallium		1.2	J	0.51	2.7
Vanadium		21		0.20	1.1
Zinc		1500		0.39	2.2

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	50			Initial Weight/Volume:	1.09 g
Date Analyzed:	06/15/2007 1702			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		9.3		0.22	1.1

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID:	680-27416-6			Date Sampled:	06/07/2007 1330
Client Matrix:	Solid	% Moisture:	28.1	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	06/13/2007 0323			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6600		3.7	26
Antimony		4.6		0.28	2.6
Arsenic		8.9		0.43	1.3
Barium		420		0.46	1.3
Beryllium		0.24	J	0.072	0.53
Cadmium		5.5		0.054	0.66
Calcium		45000		3.9	66
Chromium		100		0.21	1.3
Cobalt		5.0		0.12	1.3
Copper		1200		0.29	2.6
Iron		80000		2.4	6.6
Lead		360	B	0.25	0.66
Magnesium		15000		0.81	66
Manganese		520		0.29	1.3
Nickel		32		0.21	5.3
Potassium		900		4.7	130
Selenium		0.76	J	0.26	3.3
Silver		0.73	J	0.053	1.3
Sodium		590		100	130
Thallium		1.1	J	0.62	3.3
Vanadium		17		0.24	1.3
Zinc		1100		0.47	2.6

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	20			Initial Weight/Volume:	1.03 g
Date Analyzed:	06/15/2007 1525			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		5.1		0.11	0.54

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID:	680-27416-7			Date Sampled:	06/07/2007 1215
Client Matrix:	Solid	% Moisture:	13.8	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Date Analyzed:	06/13/2007 0328			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6500		2.9	21
Antimony		1.2	J	0.22	2.1
Arsenic		3.5		0.34	1.0
Barium		200		0.36	1.0
Beryllium		0.72		0.057	0.41
Cadmium		2.7		0.042	0.52
Calcium		18000		3.1	52
Chromium		17		0.17	1.0
Cobalt		4.8		0.095	1.0
Copper		77		0.23	2.1
Iron		21000		1.9	5.2
Lead		220	B	0.20	0.52
Magnesium		2800		0.64	52
Manganese		110		0.23	1.0
Nickel		20		0.17	4.1
Potassium		980		3.7	100
Selenium		0.27	J	0.21	2.6
Silver		0.21	J	0.041	1.0
Sodium		370		79	100
Thallium		2.6	U	0.49	2.6
Vanadium		21		0.19	1.0
Zinc		330		0.37	2.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	1.04 g
Date Analyzed:	06/15/2007 1527			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.71		0.045	0.22

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID:	680-27416-8			Date Sampled:	06/07/2007 1230
Client Matrix:	Solid	% Moisture:	30.2	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.16 g
Date Analyzed:	06/13/2007 0333			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		15000		3.5	25
Antimony		8.3		0.26	2.5
Arsenic		7.6		0.41	1.2
Barium		1500		0.43	1.2
Beryllium		0.57		0.068	0.49
Cadmium		5.9		0.051	0.62
Calcium		28000		3.7	62
Chromium		68		0.20	1.2
Cobalt		10		0.11	1.2
Copper		170		0.27	2.5
Iron		63000		2.2	6.2
Lead		370	B	0.23	0.62
Magnesium		2500		0.77	62
Manganese		1300		0.27	1.2
Nickel		67		0.20	4.9
Potassium		840		4.4	120
Selenium		1.7	J	0.25	3.1
Silver		1.4		0.049	1.2
Sodium		670		94	120
Thallium		0.58	J	0.58	3.1
Vanadium		55		0.22	1.2
Zinc		1200		0.44	2.5

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	20			Initial Weight/Volume:	1.09 g
Date Analyzed:	06/15/2007 1530			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		4.6		0.11	0.53

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID:	680-27416-9			Date Sampled:	06/07/2007 1210
Client Matrix:	Solid	% Moisture:	15.9	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	06/13/2007 0348			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6900		3.1	22
Antimony		5.7		0.24	2.2
Arsenic		8.7		0.37	1.1
Barium		390		0.39	1.1
Beryllium		0.71		0.062	0.45
Cadmium		11		0.046	0.56
Calcium		75000		3.4	56
Chromium		37		0.18	1.1
Cobalt		5.5		0.10	1.1
Copper		1200		0.25	2.2
Iron		21000		2.0	5.6
Lead		350	B	0.21	0.56
Magnesium		8000		0.70	56
Manganese		350		0.25	1.1
Nickel		25		0.18	4.5
Potassium		1100		4.0	110
Selenium		0.59	J	0.22	2.8
Silver		1.7		0.045	1.1
Sodium		580		85	110
Thallium		2.8	U	0.53	2.8
Vanadium		31		0.20	1.1
Zinc		1000		0.40	2.2

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	5.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	06/15/2007 1533			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.50		0.023	0.11

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID:	680-27416-10			Date Sampled:	06/07/2007 1140
Client Matrix:	Solid	% Moisture:	19.9	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	06/13/2007 0353			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10000		3.4	24
Antimony		1.6	J	0.25	2.4
Arsenic		7.2		0.40	1.2
Barium		810		0.42	1.2
Beryllium		0.52		0.067	0.48
Cadmium		3.0		0.050	0.61
Calcium		23000		3.6	61
Chromium		34		0.19	1.2
Cobalt		6.6		0.11	1.2
Copper		110		0.27	2.4
Iron		21000		2.2	6.1
Lead		140	B	0.23	0.61
Magnesium		5900		0.75	61
Manganese		360		0.27	1.2
Nickel		36		0.19	4.8
Potassium		1900		4.4	120
Selenium		3.0	U	0.24	3.0
Silver		0.33	J	0.048	1.2
Sodium		530		92	120
Thallium		3.0	U	0.57	3.0
Vanadium		41		0.22	1.2
Zinc		390		0.44	2.4

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	20			Initial Weight/Volume:	1.04 g
Date Analyzed:	06/15/2007 1535			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		4.3		0.096	0.48

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID:	680-27416-11			Date Sampled:	06/07/2007 1205
Client Matrix:	Solid	% Moisture:	25.2	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	06/13/2007 0358			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2300		3.5	25
Antimony		3.0		0.26	2.5
Arsenic		5.8		0.41	1.2
Beryllium		0.15	J	0.069	0.50
Cadmium		12		0.051	0.62
Calcium		8600		3.7	62
Chromium		30		0.20	1.2
Cobalt		11		0.11	1.2
Copper		130		0.27	2.5
Iron		27000		2.2	6.2
Lead		370	B	0.24	0.62
Magnesium		1100		0.77	62
Manganese		240		0.27	1.2
Nickel		170		0.20	5.0
Potassium		490		4.5	120
Selenium		0.89	J	0.25	3.1
Silver		0.67	J	0.050	1.2
Sodium		810		95	120
Thallium		3.1	U	0.59	3.1
Vanadium		18		0.22	1.2
Zinc		1300		0.45	2.5

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	50			Initial Weight/Volume:	1.07 g
Date Analyzed:	06/13/2007 1111			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		82000		22	62

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID:	680-27416-11			Date Sampled:	06/07/2007 1205
Client Matrix:	Solid	% Moisture:	25.2	Date Received:	06/08/2007 0904

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	1.06 g
Date Analyzed:	06/15/2007 1538			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.6		0.050	0.25

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-4-8**

Lab Sample ID:	680-27416-12			Date Sampled:	06/07/2007 1110
Client Matrix:	Solid	% Moisture:	17.2	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	06/13/2007 0403			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13000		3.2	23
Antimony		0.68	J	0.24	2.3
Arsenic		7.0		0.38	1.2
Barium		170		0.40	1.2
Beryllium		0.66		0.063	0.46
Cadmium		1.4		0.047	0.58
Calcium		33000		3.5	58
Chromium		42		0.18	1.2
Cobalt		7.2		0.11	1.2
Copper		42		0.25	2.3
Iron		21000		2.1	5.8
Lead		64	B	0.22	0.58
Magnesium		6700		0.71	58
Manganese		390		0.25	1.2
Nickel		30		0.18	4.6
Potassium		2400		4.1	120
Selenium		2.9	U	0.23	2.9
Silver		1.2	U	0.046	1.2
Sodium		450		87	120
Thallium		2.9	U	0.54	2.9
Vanadium		36		0.21	1.2
Zinc		140		0.41	2.3

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	20			Initial Weight/Volume:	1.18 g
Date Analyzed:	06/15/2007 1541			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		4.0		0.082	0.41

Analytical Data

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **QUEENY-1-8-15**

Lab Sample ID:	680-27416-13			Date Sampled:	06/07/2007 1135
Client Matrix:	Solid	% Moisture:	16.2	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	06/13/2007 0408			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5700		3.1	22
Antimony		2.2	U	0.23	2.2
Arsenic		4.5		0.36	1.1
Barium		150		0.39	1.1
Beryllium		0.36	J	0.061	0.44
Cadmium		0.31	J	0.045	0.55
Calcium		15000		3.3	55
Chromium		9.6		0.18	1.1
Cobalt		4.8		0.10	1.1
Copper		9.9		0.24	2.2
Iron		11000		2.0	5.5
Lead		11	B	0.21	0.55
Magnesium		5600		0.68	55
Manganese		300		0.24	1.1
Nickel		13		0.18	4.4
Potassium		1300		4.0	110
Selenium		2.8	U	0.22	2.8
Silver		1.1	U	0.044	1.1
Sodium		280		84	110
Thallium		2.8	U	0.52	2.8
Vanadium		19		0.20	1.1
Zinc		40		0.40	2.2

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	06/15/2007 1544			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025		0.0045	0.023

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Client Sample ID: **DUPLICATE**

Lab Sample ID:	680-27416-14FD			Date Sampled:	06/07/2007 0000
Client Matrix:	Solid	% Moisture:	12.7	Date Received:	06/08/2007 0904

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-77643		Instrument ID:	ICP/AES
Preparation:	3050B (	Prep Batch: 680-77501		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Date Analyzed:	06/13/2007 0433			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7200		2.9	21
Antimony		0.34	J	0.22	2.1
Arsenic		3.5		0.34	1.0
Barium		120		0.36	1.0
Beryllium		0.36	J	0.057	0.42
Cadmium		0.24	J	0.043	0.52
Calcium		7400		3.1	52
Chromium		10		0.17	1.0
Cobalt		4.4		0.096	1.0
Copper		14		0.23	2.1
Iron		9600		1.9	5.2
Lead		8.3	B	0.20	0.52
Magnesium		3700		0.65	52
Manganese		140		0.23	1.0
Nickel		13		0.17	4.2
Potassium		1300		3.7	100
Selenium		2.6	U	0.21	2.6
Silver		1.0	U	0.042	1.0
Sodium		200		79	100
Thallium		0.53	J	0.49	2.6
Vanadium		22		0.19	1.0
Zinc		48		0.37	2.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 680-78043		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-77684		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Date Analyzed:	06/15/2007 1236			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.015	J	0.0042	0.021

General Chemistry

Client Sample ID: **QUEENY-8-4-6.9**

Lab Sample ID: 680-27416-1 Date Sampled: 06/07/2007 1515
Client Matrix: Solid % Moisture: 18.0 Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.59	U	mg/Kg	0.29	0.59	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0906			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-7-4-8**

Lab Sample ID: 680-27416-2 Date Sampled: 06/07/2007 1450
Client Matrix: Solid % Moisture: 16.6 Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.29	J	mg/Kg	0.29	0.58	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0908			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-6-4-8**

Lab Sample ID: 680-27416-3 Date Sampled: 06/07/2007 1415
Client Matrix: Solid % Moisture: 12.9 Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.55	U	mg/Kg	0.28	0.55	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0909			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-5-4-8**

Lab Sample ID: 680-27416-4 Date Sampled: 06/07/2007 1350
Client Matrix: Solid % Moisture: 14.0 Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.57	U	mg/Kg	0.29	0.57	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0909			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-4-1.8-8**

Lab Sample ID: 680-27416-5 Date Sampled: 06/07/2007 1310
Client Matrix: Solid % Moisture: 15.4 Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.48	J	mg/Kg	0.29	0.58	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0911			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

General Chemistry

Client Sample ID: **QUEENY-4-8-12**

Lab Sample ID: 680-27416-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 06/07/2007 1330
Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.57	J	mg/Kg	0.34	0.69	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0912			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-3-4-8**

Lab Sample ID: 680-27416-7
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 06/07/2007 1215
Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	2.5		mg/Kg	0.29	0.57	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0913			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-3-8-15**

Lab Sample ID: 680-27416-8
Client Matrix: Solid
% Moisture: 30.2
Date Sampled: 06/07/2007 1230
Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	10		mg/Kg	0.34	0.69	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0914			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-3-0-4**

Lab Sample ID: 680-27416-9
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 06/07/2007 1210
Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.57	U	mg/Kg	0.29	0.57	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0914			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-2-4-8**

Lab Sample ID: 680-27416-10
Client Matrix: Solid
% Moisture: 19.9
Date Sampled: 06/07/2007 1140
Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	2.2		mg/Kg	0.31	0.61	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0915			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

General Chemistry

Client Sample ID: **QUEENY-2-8-16**

Lab Sample ID: 680-27416-11 | Date Sampled: 06/07/2007 1205
Client Matrix: Solid | % Moisture: 25.2 | Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	10		mg/Kg	0.32	0.64	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0916			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-1-4-8**

Lab Sample ID: 680-27416-12 | Date Sampled: 06/07/2007 1110
Client Matrix: Solid | % Moisture: 17.2 | Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.52	J	mg/Kg	0.30	0.59	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0916			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **QUEENY-1-8-15**

Lab Sample ID: 680-27416-13 | Date Sampled: 06/07/2007 1135
Client Matrix: Solid | % Moisture: 16.2 | Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.58	U	mg/Kg	0.29	0.58	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0917			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

Client Sample ID: **DUPLICATE**

Lab Sample ID: 680-27416-14FD | Date Sampled: 06/07/2007 0000
Client Matrix: Solid | % Moisture: 12.7 | Date Received: 06/08/2007 0904

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.55	U	mg/Kg	0.28	0.55	1.0	9012A
	Anly Batch: 680-77884	Date Analyzed	06/15/2007 0921			DryWt Corrected: Y	
	Prep Batch: 680-77757	Date Prepared:	06/14/2007 1000				

DATA REPORTING QUALIFIERS

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range, secondary dilution required.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range, secondary dilution required.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

DATA REPORTING QUALIFIERS

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Section	Qualifier	Description
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range, secondary dilution required.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
	P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 40%
Metals		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 680-77417					
680-27416-1	QUEENY-8-4-6.9	T	Solid	5035	
680-27416-2	QUEENY-7-4-8	T	Solid	5035	
680-27416-3	QUEENY-6-4-8	T	Solid	5035	
680-27416-4	QUEENY-5-4-8	T	Solid	5035	
680-27416-5	QUEENY-4-1.8-8	T	Solid	5035	
680-27416-5DL	QUEENY-4-1.8-8	T	Solid	5035	
680-27416-6	QUEENY-4-8-12	T	Solid	5035	
680-27416-6DL	QUEENY-4-8-12	T	Solid	5035	
680-27416-7	QUEENY-3-4-8	T	Solid	5035	
680-27416-7DL	QUEENY-3-4-8	T	Solid	5035	
680-27416-8	QUEENY-3-8-15	T	Solid	5035	
680-27416-8DL	QUEENY-3-8-15	T	Solid	5035	
680-27416-9	QUEENY-3-0-4	T	Solid	5035	
680-27416-9DL	QUEENY-3-0-4	T	Solid	5035	
680-27416-10	QUEENY-2-4-8	T	Solid	5035	
680-27416-10DL	QUEENY-2-4-8	T	Solid	5035	
680-27416-11	QUEENY-2-8-16	T	Solid	5035	
680-27416-11DL	QUEENY-2-8-16	T	Solid	5035	
680-27416-12	QUEENY-1-4-8	T	Solid	5035	
680-27416-13	QUEENY-1-8-15	T	Solid	5035	
680-27416-13MS	Matrix Spike	T	Solid	5035	
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	5035	
680-27416-14FD	DUPLICATE	T	Solid	5035	
Analysis Batch:680-77865					
LCS 680-77865/23	Lab Control Spike	T	Water	8260B	
MB 680-77865/25	Method Blank	T	Water	8260B	
680-27416-15TB	TRIP BLANK	T	Water	8260B	
Analysis Batch:680-78286					
LCS 680-78286/6	Lab Control Spike	T	Solid	8260B	
MB 680-78286/1	Method Blank	T	Solid	8260B	
680-27416-2	QUEENY-7-4-8	T	Solid	8260B	680-77417
680-27416-3	QUEENY-6-4-8	T	Solid	8260B	680-77417
680-27416-4	QUEENY-5-4-8	T	Solid	8260B	680-77417
680-27416-9	QUEENY-3-0-4	T	Solid	8260B	680-77417
680-27416-10	QUEENY-2-4-8	T	Solid	8260B	680-77417
Analysis Batch:680-78310					
LCS 680-78310/4	Lab Control Spike	T	Solid	8260B	
MB 680-78310/6	Method Blank	T	Solid	8260B	
680-27416-1	QUEENY-8-4-6.9	T	Solid	8260B	680-77417
680-27416-14FD	DUPLICATE	T	Solid	8260B	680-77417

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:680-78474					
LCS 680-78474/8	Lab Control Spike	T	Solid	8260B	
MB 680-78474/9	Method Blank	T	Solid	8260B	
680-27416-5DL	QUEENY-4-1.8-8	T	Solid	8260B	680-77417
680-27416-6DL	QUEENY-4-8-12	T	Solid	8260B	680-77417
680-27416-7DL	QUEENY-3-4-8	T	Solid	8260B	680-77417
680-27416-8DL	QUEENY-3-8-15	T	Solid	8260B	680-77417
Analysis Batch:680-78475					
LCS 680-78475/9	Lab Control Spike	T	Solid	8260B	
MB 680-78475/11	Method Blank	T	Solid	8260B	
680-27416-9DL	QUEENY-3-0-4	T	Solid	8260B	680-77417
680-27416-10DL	QUEENY-2-4-8	T	Solid	8260B	680-77417
680-27416-11DL	QUEENY-2-8-16	T	Solid	8260B	680-77417
680-27416-13MS	Matrix Spike	T	Solid	8260B	680-77417
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	8260B	680-77417
Analysis Batch:680-78476					
LCS 680-78476/5	Lab Control Spike	T	Solid	8260B	
MB 680-78476/7	Method Blank	T	Solid	8260B	
680-27416-5	QUEENY-4-1.8-8	T	Solid	8260B	680-77417
680-27416-6	QUEENY-4-8-12	T	Solid	8260B	680-77417
680-27416-7	QUEENY-3-4-8	T	Solid	8260B	680-77417
680-27416-8	QUEENY-3-8-15	T	Solid	8260B	680-77417
680-27416-11	QUEENY-2-8-16	T	Solid	8260B	680-77417
680-27416-13	QUEENY-1-8-15	T	Solid	8260B	680-77417
Analysis Batch:680-78882					
LCS 680-78882/4	Lab Control Spike	T	Solid	8260B	
MB 680-78882/6	Method Blank	T	Solid	8260B	
680-27416-12	QUEENY-1-4-8	T	Solid	8260B	680-77417

Report Basis
T = Total

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-78301					
LCS 680-78301/16-A	Lab Control Spike	T	Solid	3550B	
MB 680-78301/15-A	Method Blank	T	Solid	3550B	
680-27416-1	QUEENY-8-4-6.9	T	Solid	3550B	
680-27416-2	QUEENY-7-4-8	T	Solid	3550B	
680-27416-3	QUEENY-6-4-8	T	Solid	3550B	
680-27416-4	QUEENY-5-4-8	T	Solid	3550B	
680-27416-5	QUEENY-4-1.8-8	T	Solid	3550B	
680-27416-6	QUEENY-4-8-12	T	Solid	3550B	
680-27416-7	QUEENY-3-4-8	T	Solid	3550B	
680-27416-7DL	QUEENY-3-4-8	T	Solid	3550B	
680-27416-8	QUEENY-3-8-15	T	Solid	3550B	
680-27416-9	QUEENY-3-0-4	T	Solid	3550B	
680-27416-9DL	QUEENY-3-0-4	T	Solid	3550B	
680-27416-10	QUEENY-2-4-8	T	Solid	3550B	
680-27416-11	QUEENY-2-8-16	T	Solid	3550B	
680-27416-12	QUEENY-1-4-8	T	Solid	3550B	
680-27416-13	QUEENY-1-8-15	T	Solid	3550B	
680-27416-13MS	Matrix Spike	T	Solid	3550B	
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	3550B	
680-27416-14FD	DUPLICATE	T	Solid	3550B	
Analysis Batch:680-78512					
LCS 680-78301/16-A	Lab Control Spike	T	Solid	8270C	680-78301
MB 680-78301/15-A	Method Blank	T	Solid	8270C	680-78301
680-27416-1	QUEENY-8-4-6.9	T	Solid	8270C	680-78301
680-27416-2	QUEENY-7-4-8	T	Solid	8270C	680-78301
680-27416-3	QUEENY-6-4-8	T	Solid	8270C	680-78301
680-27416-4	QUEENY-5-4-8	T	Solid	8270C	680-78301
680-27416-5	QUEENY-4-1.8-8	T	Solid	8270C	680-78301
680-27416-9	QUEENY-3-0-4	T	Solid	8270C	680-78301
680-27416-11	QUEENY-2-8-16	T	Solid	8270C	680-78301
680-27416-12	QUEENY-1-4-8	T	Solid	8270C	680-78301
680-27416-13	QUEENY-1-8-15	T	Solid	8270C	680-78301
680-27416-13MS	Matrix Spike	T	Solid	8270C	680-78301
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	8270C	680-78301
Analysis Batch:680-78992					
680-27416-7DL	QUEENY-3-4-8	T	Solid	8270C	680-78301
680-27416-8	QUEENY-3-8-15	T	Solid	8270C	680-78301
680-27416-9DL	QUEENY-3-0-4	T	Solid	8270C	680-78301
680-27416-10	QUEENY-2-4-8	T	Solid	8270C	680-78301
680-27416-14FD	DUPLICATE	T	Solid	8270C	680-78301

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:680-79530					
680-27416-6	QUEENY-4-8-12	T	Solid	8270C	680-78301
680-27416-7	QUEENY-3-4-8	T	Solid	8270C	680-78301

Report Basis
T = Total

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 680-77405					
LCS 680-77405/19-AA	Lab Control Spike	T	Solid	8151A	
MB 680-77405/18-AA	Method Blank	T	Solid	8151A	
680-27416-1	QUEENY-8-4-6.9	T	Solid	8151A	
680-27416-2	QUEENY-7-4-8	T	Solid	8151A	
680-27416-3	QUEENY-6-4-8	T	Solid	8151A	
680-27416-4	QUEENY-5-4-8	T	Solid	8151A	
680-27416-5	QUEENY-4-1.8-8	T	Solid	8151A	
680-27416-5DL	QUEENY-4-1.8-8	T	Solid	8151A	
680-27416-6	QUEENY-4-8-12	T	Solid	8151A	
680-27416-6DL	QUEENY-4-8-12	T	Solid	8151A	
680-27416-7	QUEENY-3-4-8	T	Solid	8151A	
680-27416-7DL	QUEENY-3-4-8	T	Solid	8151A	
680-27416-8	QUEENY-3-8-15	T	Solid	8151A	
680-27416-8DL	QUEENY-3-8-15	T	Solid	8151A	
680-27416-9	QUEENY-3-0-4	T	Solid	8151A	
680-27416-10	QUEENY-2-4-8	T	Solid	8151A	
680-27416-10DL	QUEENY-2-4-8	T	Solid	8151A	
680-27416-11	QUEENY-2-8-16	T	Solid	8151A	
680-27416-11DL	QUEENY-2-8-16	T	Solid	8151A	
680-27416-12	QUEENY-1-4-8	T	Solid	8151A	
680-27416-13	QUEENY-1-8-15	T	Solid	8151A	
680-27416-13MS	Matrix Spike	T	Solid	8151A	
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	8151A	
680-27416-14FD	DUPLICATE	T	Solid	8151A	

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 680-78303					
LCS 680-78303/16-A	Lab Control Spike	T	Solid	3550B	
LCS 680-78303/21-A	Lab Control Spike	T	Solid	3550B	
MB 680-78303/15-A	Method Blank	T	Solid	3550B	
680-27416-1	QUEENY-8-4-6.9	T	Solid	3550B	
680-27416-2	QUEENY-7-4-8	T	Solid	3550B	
680-27416-3	QUEENY-6-4-8	T	Solid	3550B	
680-27416-4	QUEENY-5-4-8	T	Solid	3550B	
680-27416-4DL	QUEENY-5-4-8	T	Solid	3550B	
680-27416-5	QUEENY-4-1.8-8	T	Solid	3550B	
680-27416-5DL	QUEENY-4-1.8-8	T	Solid	3550B	
680-27416-6	QUEENY-4-8-12	T	Solid	3550B	
680-27416-6DL	QUEENY-4-8-12	T	Solid	3550B	
680-27416-7	QUEENY-3-4-8	T	Solid	3550B	
680-27416-7DL	QUEENY-3-4-8	T	Solid	3550B	
680-27416-8	QUEENY-3-8-15	T	Solid	3550B	
680-27416-8DL	QUEENY-3-8-15	T	Solid	3550B	
680-27416-9	QUEENY-3-0-4	T	Solid	3550B	
680-27416-9DL	QUEENY-3-0-4	T	Solid	3550B	
680-27416-10	QUEENY-2-4-8	T	Solid	3550B	
680-27416-10DL	QUEENY-2-4-8	T	Solid	3550B	
680-27416-11	QUEENY-2-8-16	T	Solid	3550B	
680-27416-11DL	QUEENY-2-8-16	T	Solid	3550B	
680-27416-12	QUEENY-1-4-8	T	Solid	3550B	
680-27416-13	QUEENY-1-8-15	T	Solid	3550B	
680-27416-13MS	Matrix Spike	T	Solid	3550B	
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	3550B	
680-27416-14FD	DUPLICATE	T	Solid	3550B	
Analysis Batch:680-78412					
LCS 680-77405/19-AA	Lab Control Spike	T	Solid	8151A	680-77405
MB 680-77405/18-AA	Method Blank	T	Solid	8151A	680-77405
680-27416-1	QUEENY-8-4-6.9	T	Solid	8151A	680-77405
680-27416-2	QUEENY-7-4-8	T	Solid	8151A	680-77405
680-27416-3	QUEENY-6-4-8	T	Solid	8151A	680-77405
680-27416-4	QUEENY-5-4-8	T	Solid	8151A	680-77405
680-27416-9	QUEENY-3-0-4	T	Solid	8151A	680-77405
680-27416-12	QUEENY-1-4-8	T	Solid	8151A	680-77405
680-27416-13	QUEENY-1-8-15	T	Solid	8151A	680-77405
680-27416-13MS	Matrix Spike	T	Solid	8151A	680-77405
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	8151A	680-77405
680-27416-14FD	DUPLICATE	T	Solid	8151A	680-77405

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:680-78516					
680-27416-5	QUEENY-4-1.8-8	T	Solid	8151A	680-77405
680-27416-5DL	QUEENY-4-1.8-8	T	Solid	8151A	680-77405
680-27416-6	QUEENY-4-8-12	T	Solid	8151A	680-77405
680-27416-6DL	QUEENY-4-8-12	T	Solid	8151A	680-77405
680-27416-8	QUEENY-3-8-15	T	Solid	8151A	680-77405
680-27416-8DL	QUEENY-3-8-15	T	Solid	8151A	680-77405
680-27416-10	QUEENY-2-4-8	T	Solid	8151A	680-77405
680-27416-10DL	QUEENY-2-4-8	T	Solid	8151A	680-77405
680-27416-11	QUEENY-2-8-16	T	Solid	8151A	680-77405
680-27416-11DL	QUEENY-2-8-16	T	Solid	8151A	680-77405
Analysis Batch:680-78530					
680-27416-7	QUEENY-3-4-8	T	Solid	8151A	680-77405
680-27416-7DL	QUEENY-3-4-8	T	Solid	8151A	680-77405
Analysis Batch:680-78785					
LCS 680-78303/16-A	Lab Control Spike	T	Solid	8081A_8082	680-78303
LCS 680-78303/21-A	Lab Control Spike	T	Solid	8081A_8082	680-78303
MB 680-78303/15-A	Method Blank	T	Solid	8081A_8082	680-78303
680-27416-1	QUEENY-8-4-6.9	T	Solid	8081A_8082	680-78303
680-27416-2	QUEENY-7-4-8	T	Solid	8081A_8082	680-78303
680-27416-3	QUEENY-6-4-8	T	Solid	8081A_8082	680-78303
680-27416-5	QUEENY-4-1.8-8	T	Solid	8081A_8082	680-78303
680-27416-6DL	QUEENY-4-8-12	T	Solid	8081A_8082	680-78303
680-27416-7DL	QUEENY-3-4-8	T	Solid	8081A_8082	680-78303
680-27416-8DL	QUEENY-3-8-15	T	Solid	8081A_8082	680-78303
680-27416-10DL	QUEENY-2-4-8	T	Solid	8081A_8082	680-78303
680-27416-11	QUEENY-2-8-16	T	Solid	8081A_8082	680-78303
Analysis Batch:680-78788					
680-27416-9	QUEENY-3-0-4	T	Solid	8081A_8082	680-78303
680-27416-12	QUEENY-1-4-8	T	Solid	8081A_8082	680-78303
680-27416-13	QUEENY-1-8-15	T	Solid	8081A_8082	680-78303
680-27416-13MS	Matrix Spike	T	Solid	8081A_8082	680-78303
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	8081A_8082	680-78303
Analysis Batch:680-78906					
680-27416-4	QUEENY-5-4-8	T	Solid	8081A_8082	680-78303
680-27416-4DL	QUEENY-5-4-8	T	Solid	8081A_8082	680-78303
680-27416-6	QUEENY-4-8-12	T	Solid	8081A_8082	680-78303
680-27416-7	QUEENY-3-4-8	T	Solid	8081A_8082	680-78303
680-27416-8	QUEENY-3-8-15	T	Solid	8081A_8082	680-78303
680-27416-9DL	QUEENY-3-0-4	T	Solid	8081A_8082	680-78303
680-27416-10	QUEENY-2-4-8	T	Solid	8081A_8082	680-78303
680-27416-14FD	DUPLICATE	T	Solid	8081A_8082	680-78303

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:680-78987					
680-27416-5DL	QUEENY-4-1.8-8	T	Solid	8081A_8082	680-78303
680-27416-11DL	QUEENY-2-8-16	T	Solid	8081A_8082	680-78303

Report Basis
T = Total

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-77501					
LCS 680-77501/16-AA	Lab Control Spike	T	Solid	3050B	
MB 680-77501/15-AA	Method Blank	T	Solid	3050B	
680-27416-1	QUEENY-8-4-6.9	T	Solid	3050B	
680-27416-2	QUEENY-7-4-8	T	Solid	3050B	
680-27416-3	QUEENY-6-4-8	T	Solid	3050B	
680-27416-4	QUEENY-5-4-8	T	Solid	3050B	
680-27416-5	QUEENY-4-1.8-8	T	Solid	3050B	
680-27416-6	QUEENY-4-8-12	T	Solid	3050B	
680-27416-7	QUEENY-3-4-8	T	Solid	3050B	
680-27416-8	QUEENY-3-8-15	T	Solid	3050B	
680-27416-9	QUEENY-3-0-4	T	Solid	3050B	
680-27416-10	QUEENY-2-4-8	T	Solid	3050B	
680-27416-11	QUEENY-2-8-16	T	Solid	3050B	
680-27416-12	QUEENY-1-4-8	T	Solid	3050B	
680-27416-13	QUEENY-1-8-15	T	Solid	3050B	
680-27416-13MS	Matrix Spike	T	Solid	3050B	
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-27416-14FD	DUPLICATE	T	Solid	3050B	
Analysis Batch:680-77643					
LCS 680-77501/16-AA	Lab Control Spike	T	Solid	6010B	680-77501
MB 680-77501/15-AA	Method Blank	T	Solid	6010B	680-77501
680-27416-1	QUEENY-8-4-6.9	T	Solid	6010B	680-77501
680-27416-2	QUEENY-7-4-8	T	Solid	6010B	680-77501
680-27416-3	QUEENY-6-4-8	T	Solid	6010B	680-77501
680-27416-4	QUEENY-5-4-8	T	Solid	6010B	680-77501
680-27416-5	QUEENY-4-1.8-8	T	Solid	6010B	680-77501
680-27416-6	QUEENY-4-8-12	T	Solid	6010B	680-77501
680-27416-7	QUEENY-3-4-8	T	Solid	6010B	680-77501
680-27416-8	QUEENY-3-8-15	T	Solid	6010B	680-77501
680-27416-9	QUEENY-3-0-4	T	Solid	6010B	680-77501
680-27416-10	QUEENY-2-4-8	T	Solid	6010B	680-77501
680-27416-11	QUEENY-2-8-16	T	Solid	6010B	680-77501
680-27416-12	QUEENY-1-4-8	T	Solid	6010B	680-77501
680-27416-13	QUEENY-1-8-15	T	Solid	6010B	680-77501
680-27416-13MS	Matrix Spike	T	Solid	6010B	680-77501
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	6010B	680-77501
680-27416-14FD	DUPLICATE	T	Solid	6010B	680-77501

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-77684					
LCS 680-77684/23-AA	Lab Control Spike	T	Solid	7471A	
MB 680-77684/22-AA	Method Blank	T	Solid	7471A	
680-27416-1	QUEENY-8-4-6.9	T	Solid	7471A	
680-27416-2	QUEENY-7-4-8	T	Solid	7471A	
680-27416-3	QUEENY-6-4-8	T	Solid	7471A	
680-27416-4	QUEENY-5-4-8	T	Solid	7471A	
680-27416-5	QUEENY-4-1.8-8	T	Solid	7471A	
680-27416-6	QUEENY-4-8-12	T	Solid	7471A	
680-27416-7	QUEENY-3-4-8	T	Solid	7471A	
680-27416-8	QUEENY-3-8-15	T	Solid	7471A	
680-27416-9	QUEENY-3-0-4	T	Solid	7471A	
680-27416-10	QUEENY-2-4-8	T	Solid	7471A	
680-27416-11	QUEENY-2-8-16	T	Solid	7471A	
680-27416-12	QUEENY-1-4-8	T	Solid	7471A	
680-27416-13	QUEENY-1-8-15	T	Solid	7471A	
680-27416-13MS	Matrix Spike	T	Solid	7471A	
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	7471A	
680-27416-14FD	DUPLICATE	T	Solid	7471A	
Analysis Batch:680-78043					
LCS 680-77684/23-AA	Lab Control Spike	T	Solid	7471A	680-77684
MB 680-77684/22-AA	Method Blank	T	Solid	7471A	680-77684
680-27416-1	QUEENY-8-4-6.9	T	Solid	7471A	680-77684
680-27416-2	QUEENY-7-4-8	T	Solid	7471A	680-77684
680-27416-3	QUEENY-6-4-8	T	Solid	7471A	680-77684
680-27416-4	QUEENY-5-4-8	T	Solid	7471A	680-77684
680-27416-5	QUEENY-4-1.8-8	T	Solid	7471A	680-77684
680-27416-6	QUEENY-4-8-12	T	Solid	7471A	680-77684
680-27416-7	QUEENY-3-4-8	T	Solid	7471A	680-77684
680-27416-8	QUEENY-3-8-15	T	Solid	7471A	680-77684
680-27416-9	QUEENY-3-0-4	T	Solid	7471A	680-77684
680-27416-10	QUEENY-2-4-8	T	Solid	7471A	680-77684
680-27416-11	QUEENY-2-8-16	T	Solid	7471A	680-77684
680-27416-12	QUEENY-1-4-8	T	Solid	7471A	680-77684
680-27416-13	QUEENY-1-8-15	T	Solid	7471A	680-77684
680-27416-13MS	Matrix Spike	T	Solid	7471A	680-77684
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	7471A	680-77684
680-27416-14FD	DUPLICATE	T	Solid	7471A	680-77684

Report Basis
T = Total

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 680-77757					
LCS 680-77757/2-AA	Lab Control Spike	T	Solid	9012A	
LCSD 680-77757/3-AA	Lab Control Spike Duplicate	T	Solid	9012A	
MB 680-77757/1-AA	Method Blank	T	Solid	9012A	
680-27416-1	QUEENY-8-4-6.9	T	Solid	9012A	
680-27416-1DU	Duplicate	T	Solid	9012A	
680-27416-2	QUEENY-7-4-8	T	Solid	9012A	
680-27416-3	QUEENY-6-4-8	T	Solid	9012A	
680-27416-4	QUEENY-5-4-8	T	Solid	9012A	
680-27416-5	QUEENY-4-1.8-8	T	Solid	9012A	
680-27416-6	QUEENY-4-8-12	T	Solid	9012A	
680-27416-7	QUEENY-3-4-8	T	Solid	9012A	
680-27416-8	QUEENY-3-8-15	T	Solid	9012A	
680-27416-9	QUEENY-3-0-4	T	Solid	9012A	
680-27416-10	QUEENY-2-4-8	T	Solid	9012A	
680-27416-11	QUEENY-2-8-16	T	Solid	9012A	
680-27416-12	QUEENY-1-4-8	T	Solid	9012A	
680-27416-13	QUEENY-1-8-15	T	Solid	9012A	
680-27416-13MS	Matrix Spike	T	Solid	9012A	
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	9012A	
680-27416-14FD	DUPLICATE	T	Solid	9012A	
Analysis Batch:680-77884					
LCS 680-77757/2-AA	Lab Control Spike	T	Solid	9012A	680-77757
LCSD 680-77757/3-AA	Lab Control Spike Duplicate	T	Solid	9012A	680-77757
MB 680-77757/1-AA	Method Blank	T	Solid	9012A	680-77757
680-27416-1	QUEENY-8-4-6.9	T	Solid	9012A	680-77757
680-27416-1DU	Duplicate	T	Solid	9012A	680-77757
680-27416-2	QUEENY-7-4-8	T	Solid	9012A	680-77757
680-27416-3	QUEENY-6-4-8	T	Solid	9012A	680-77757
680-27416-4	QUEENY-5-4-8	T	Solid	9012A	680-77757
680-27416-5	QUEENY-4-1.8-8	T	Solid	9012A	680-77757
680-27416-6	QUEENY-4-8-12	T	Solid	9012A	680-77757
680-27416-7	QUEENY-3-4-8	T	Solid	9012A	680-77757
680-27416-8	QUEENY-3-8-15	T	Solid	9012A	680-77757
680-27416-9	QUEENY-3-0-4	T	Solid	9012A	680-77757
680-27416-10	QUEENY-2-4-8	T	Solid	9012A	680-77757
680-27416-11	QUEENY-2-8-16	T	Solid	9012A	680-77757
680-27416-12	QUEENY-1-4-8	T	Solid	9012A	680-77757
680-27416-13	QUEENY-1-8-15	T	Solid	9012A	680-77757
680-27416-13MS	Matrix Spike	T	Solid	9012A	680-77757
680-27416-13MSD	Matrix Spike Duplicate	T	Solid	9012A	680-77757
680-27416-14FD	DUPLICATE	T	Solid	9012A	680-77757

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	(BFB) (%Rec)	(DFM) (%Rec)	(TOL) (%Rec)
LCS 680-78286/6		94	93	92
LCS 680-78310/4		96	104	92
LCS 680-78474/8		95	93	95
LCS 680-78475/9		89	97	90
LCS 680-78476/5		104	95	93
LCS 680-78882/4		102	106	83
MB 680-78286/1		89	93	94
MB 680-78310/6		99	99	97
MB 680-78474/9		71	96	92
MB 680-78475/11		94	86	81
MB 680-78476/7		91	95	93
MB 680-78882/6		96	110	97

Surrogate		Acceptance Limits
(BFB)	4-Bromofluorobenzene	65 - 124
(DFM)	Dibromofluoromethane	65 - 124
(TOL)	Toluene-d8 (Surr)	65 - 132

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	(BFB) (%Rec)	(DFM) (%Rec)	(TOL) (%Rec)
680-27416-1	QUEENY-8-4-6.9	118	95	88
680-27416-2	QUEENY-7-4-8	102	93	103
680-27416-3	QUEENY-6-4-8	93	87	102
680-27416-4	QUEENY-5-4-8	91	92	105
680-27416-5	QUEENY-4-1.8-8	111	110	100
680-27416-5 DL	QUEENY-4-1.8-8	0 D	0 D	0 D
680-27416-6	QUEENY-4-8-12	105	101	93
680-27416-6 DL	QUEENY-4-8-12	0 D	0 D	0 D
680-27416-7	QUEENY-3-4-8	134 X	128 X	126
680-27416-7 DL	QUEENY-3-4-8	0 D	0 D	0 D
680-27416-8	QUEENY-3-8-15	122	108	105
680-27416-8 DL	QUEENY-3-8-15	0 D	0 D	0 D
680-27416-9	QUEENY-3-0-4	93	105	80
680-27416-9 DL	QUEENY-3-0-4	0 D	0 D	0 D
680-27416-10	QUEENY-2-4-8	92	108	81
680-27416-10 DL	QUEENY-2-4-8	88	89	79
680-27416-11	QUEENY-2-8-16	125 X	103	85
680-27416-11 DL	QUEENY-2-8-16	0 D	0 D	0 D

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid

		(BFB) (%Rec)	(DFM) (%Rec)	(TOL) (%Rec)
680-27416-12	QUEENY-1-4-8	73	97	78
680-27416-13	QUEENY-1-8-15	96	100	92
680-27416-13 MS	QUEENY-1-8-15	60 X	84	66
680-27416-13 MSD	QUEENY-1-8-15	70	95	68
680-27416-14	DUPLICATE	93	95	94

Surrogate		Acceptance Limits
(BFB)	4-Bromofluorobenzene	65 - 124
(DFM)	Dibromofluoromethane	65 - 124
(TOL)	Toluene-d8 (Surr)	65 - 132

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	(BFB) (%Rec)	(DFM) (%Rec)	(TOL) (%Rec)
LCS 680-77865/23		109	101	107
MB 680-77865/25		104	112	113
680-27416-15	TRIP BLANK	95	112	108

Surrogate		Acceptance Limits
(BFB)	4-Bromofluorobenzene	82 - 114
(DFM)	Dibromofluoromethane	84 - 121
(TOL)	Toluene-d8 (Surr)	86 - 120

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	(2FP) (%Rec)	(FBP) (%Rec)	(NBZ) (%Rec)	(PHL) (%Rec)	(TBP) (%Rec)	(TPH) (%Rec)
LCS 680-78301/16-A		59	71	60	61	79	75
MB 680-78301/15-A		67	71	62	62	66	77
680-27416-1	QUEENY-8-4-6.9	54	53	44	54	60	62
680-27416-2	QUEENY-7-4-8	57	63	51	55	61	64
680-27416-3	QUEENY-6-4-8	53	60	46	53	66	54
680-27416-4	QUEENY-5-4-8	55	55	45	51	72	67
680-27416-5	QUEENY-4-1.8-8	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-6	QUEENY-4-8-12	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-7	QUEENY-3-4-8	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-7 DL	QUEENY-3-4-8	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-8	QUEENY-3-8-15	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-9	QUEENY-3-0-4	56	59	51	53	77	54
680-27416-9 DL	QUEENY-3-0-4	72	69	66	78	61	70
680-27416-10	QUEENY-2-4-8	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-11	QUEENY-2-8-16	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-12	QUEENY-1-4-8	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-13	QUEENY-1-8-15	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-13 MS	QUEENY-1-8-15	0 D	0 D	0 D	0 D	0 D	0 D

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

		(2FP) (%Rec)	(FBP) (%Rec)	(NBZ) (%Rec)	(PHL) (%Rec)	(TBP) (%Rec)	(TPH) (%Rec)
680-27416-13 MSD	QUEENY-1-8-15	0 D	0 D	0 D	0 D	0 D	0 D
680-27416-14	DUPLICATE	0 D	0 D	0 D	0 D	0 D	0 D

Surrogate		Acceptance Limits
(2FP)	2-Fluorophenol	41 - 110
(FBP)	2-Fluorobiphenyl	44 - 110
(NBZ)	Nitrobenzene-d5	36 - 110
(PHL)	Phenol-d5	43 - 110
(TBP)	2,4,6-Tribromophenol	36 - 128
(TPH)	Terphenyl-d14	10 - 112

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8081A 8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	(DCB1) (%Rec)	(DCB2) (%Rec)	(TCX1) (%Rec)	(TCX2) (%Rec)
LCS 680-78303/16-A		104		95	
LCS 680-78303/21-A		84		96	
MB 680-78303/15-A		115		129	
680-27416-1	QUEENY-8-4-6.9	202 X		81	
680-27416-2	QUEENY-7-4-8	488 X		69	
680-27416-3	QUEENY-6-4-8	891 X		43	
680-27416-4	QUEENY-5-4-8	178 X		72	
680-27416-4 DL	QUEENY-5-4-8		0 D		0 D
680-27416-5	QUEENY-4-1.8-8	0 D		0 D	
680-27416-5 DL	QUEENY-4-1.8-8		0 D		0 D
680-27416-6	QUEENY-4-8-12	0 D		0 D	
680-27416-6 DL	QUEENY-4-8-12		0 D		0 D
680-27416-7	QUEENY-3-4-8	0 D		0 D	
680-27416-7 DL	QUEENY-3-4-8		0 D		0 D
680-27416-8	QUEENY-3-8-15	0 D		0 D	
680-27416-8 DL	QUEENY-3-8-15		0 D		0 D
680-27416-9	QUEENY-3-0-4	7340 X		44	
680-27416-9 DL	QUEENY-3-0-4		0 D		0 D

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8081A 8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Client Matrix: Solid

		(DCB1) (%Rec)	(DCB2) (%Rec)	(TCX1) (%Rec)	(TCX2) (%Rec)
680-27416-10	QUEENY-2-4-8	0 D		0 D	
680-27416-10 DL	QUEENY-2-4-8		0 D		0 D
680-27416-11	QUEENY-2-8-16	0 D		0 D	
680-27416-11 DL	QUEENY-2-8-16		0 D		0 D
680-27416-12	QUEENY-1-4-8	0 D		0 D	
680-27416-13	QUEENY-1-8-15	0 D		0 D	
680-27416-13 MS	QUEENY-1-8-15	0 D		0 D	
680-27416-13 MSD	QUEENY-1-8-15	0 D		0 D	
680-27416-14	DUPLICATE	347 X		86	

Surrogate		Acceptance Limits
(DCB1)	DCB Decachlorobiphenyl	50 - 129
(TCX1)	Tetrachloro-m-xylene	26 - 140

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8151A Chlorinated Herbicides by GC

Client Matrix: Solid

Lab Sample ID	Client Sample ID	(DCPA) (%Rec)
LCS 680-77405/19-AA		93
MB 680-77405/18-AA		95
680-27416-1	QUEENY-8-4-6.9	102
680-27416-2	QUEENY-7-4-8	94
680-27416-3	QUEENY-6-4-8	96
680-27416-4	QUEENY-5-4-8	106
680-27416-5	QUEENY-4-1.8-8	0 D
680-27416-5 DL	QUEENY-4-1.8-8	0 D
680-27416-6	QUEENY-4-8-12	90
680-27416-6 DL	QUEENY-4-8-12	0 D
680-27416-7	QUEENY-3-4-8	0 D
680-27416-7 DL	QUEENY-3-4-8	0 D
680-27416-8	QUEENY-3-8-15	0 D
680-27416-8 DL	QUEENY-3-8-15	0 D
680-27416-9	QUEENY-3-0-4	72
680-27416-10	QUEENY-2-4-8	0 D
680-27416-10 DL	QUEENY-2-4-8	0 D
680-27416-11	QUEENY-2-8-16	0 D

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate Recovery Report

8151A Chlorinated Herbicides by GC

Client Matrix: Solid

		(DCPA) (%Rec)
680-27416-11 DL	QUEENY-2-8-16	0 D
680-27416-12	QUEENY-1-4-8	65
680-27416-13	QUEENY-1-8-15	83
680-27416-13 MS	QUEENY-1-8-15	104
680-27416-13 MSD	QUEENY-1-8-15	105
680-27416-14	DUPLICATE	95

Surrogate		Acceptance Limits
(DCPA)	DCAA	58 - 110

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-77417

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	680-27416-13	Analysis Batch:	680-78475	Instrument ID:	GC/MS Volatiles - L
Client Matrix:	Solid	Prep Batch:	680-77417	Lab File ID:	I0410.d
Dilution:	40			Initial Weight/Volume:	3.2 g
Date Analyzed:	06/20/2007 2027			Final Weight/Volume:	5 g
Date Prepared:	06/11/2007 1437				

MSD Lab Sample ID:	680-27416-13	Analysis Batch:	680-78475	Instrument ID:	GC/MS Volatiles - L
Client Matrix:	Solid	Prep Batch:	680-77417	Lab File ID:	I0411.d
Dilution:	40			Initial Weight/Volume:	3.0 g
Date Analyzed:	06/20/2007 2049			Final Weight/Volume:	5 g
Date Prepared:	06/11/2007 1437				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	97	114	65 - 130	23	50		
1,1,2-Trichloroethane	60	68	62 - 138	18	50	F	
1,2-Dichloroethane	75	88	62 - 140	22	50		
1,1,1-Trichloroethane	81	97	56 - 140	24	50		
1,1,2,2-Tetrachloroethane	47	56	65 - 130	24	50	F	F
cis-1,2-Dichloroethene	88	108	58 - 143	27	50		
trans-1,2-Dichloroethene	81	99	66 - 127	26	50		
1,2-Dichloropropane	74	77	66 - 135	11	50		
1,1-Dichloroethene	91	111	59 - 137	26	50		
2-Butanone	78	106	19 - 192	37	50		
2-Hexanone	75	82	47 - 151	16	50		
4-Methyl-2-pentanone	73	81	50 - 148	16	50		
Acetone	127	178	16 - 202	40	50		
Benzene	78	82	63 - 130	11	50		
Bromodichloromethane	75	75	64 - 137	6	50		
Bromoform	57	67	66 - 127	21	50	F	
Bromomethane	66	76	54 - 146	20	50		
Carbon disulfide	55	67	46 - 134	26	50		
Carbon tetrachloride	79	92	60 - 136	21	50		
Chlorobenzene	56	53	77 - 120	2	50	F	F
Chloroethane	110	55	26 - 166	60	50		F
Chloroform	85	100	68 - 127	23	50		
Chloromethane	63	79	46 - 137	30	50		
cis-1,3-Dichloropropene	65	68	66 - 137	10	50	F	
Dibromochloromethane	61	62	70 - 126	8	50	F	F
Ethylbenzene	61	64	77 - 121	11	50	F	F
Methylene Chloride	103	125	65 - 126	25	50		
Styrene	54	59	75 - 123	16	50	F	F
Tetrachloroethene	67	63	76 - 120	1	50	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-77417

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	680-27416-13	Analysis Batch:	680-78475	Instrument ID:	GC/MS Volatiles - L
Client Matrix:	Solid	Prep Batch:	680-77417	Lab File ID:	I0410.d
Dilution:	40			Initial Weight/Volume:	3.2 g
Date Analyzed:	06/20/2007 2027			Final Weight/Volume:	5 g
Date Prepared:	06/11/2007 1437				

MSD Lab Sample ID:	680-27416-13	Analysis Batch:	680-78475	Instrument ID:	GC/MS Volatiles - L
Client Matrix:	Solid	Prep Batch:	680-77417	Lab File ID:	I0411.d
Dilution:	40			Initial Weight/Volume:	3.0 g
Date Analyzed:	06/20/2007 2049			Final Weight/Volume:	5 g
Date Prepared:	06/11/2007 1437				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Toluene	65	69	67 - 132	12	50	F	
trans-1,3-Dichloropropene	57	65	64 - 138	18	50	F	
Trichloroethene	76	79	68 - 133	10	50		
Vinyl chloride	79	94	56 - 139	24	50		
Xylenes, Total	59	60	76 - 122	8	50	F	F

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	66		68	65 - 132
4-Bromofluorobenzene	60	X	70	65 - 124
Dibromofluoromethane	84		95	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-77865

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-77865/25
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/14/2007 1431
Date Prepared: 06/14/2007 1431

Analysis Batch: 680-77865
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - A C2
Lab File ID: aq899.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,2-Trichloroethane	1.0	U	0.51	1.0
1,1,1-Trichloroethane	1.0	U	0.39	1.0
1,1-Dichloroethane	1.0	U	0.32	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.26	1.0
1,2-Dichloroethane	1.0	U	0.31	1.0
1,2-Dichloropropane	1.0	U	0.36	1.0
1,1-Dichloroethene	1.0	U	0.36	1.0
2-Hexanone	10	U	0.68	10
Acetone	25	U	1.7	25
Benzene	1.0	U	0.32	1.0
cis-1,2-Dichloroethene	1.0	U	0.33	1.0
Dichlorobromomethane	1.0	U	0.34	1.0
Methyl Ethyl Ketone	10	U	0.60	10
methyl isobutyl ketone	10	U	0.60	10
trans-1,2-Dichloroethene	1.0	U	0.30	1.0
Bromoform	1.0	U	0.41	1.0
Bromomethane	1.0	U	0.50	1.0
Carbon disulfide	2.0	U	0.17	2.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.34	1.0
Chloroethane	1.0	U	1.0	1.0
Chloroform	1.0	U	0.29	1.0
Chloromethane	1.0	U	0.28	1.0
cis-1,3-Dichloropropene	1.0	U	0.37	1.0
Chlorodibromomethane	1.0	U	0.30	1.0
Ethylbenzene	1.0	U	0.30	1.0
Methylene Chloride	5.0	U	1.0	5.0
Styrene	1.0	U	0.36	1.0
Tetrachloroethene	1.0	U	0.28	1.0
Toluene	1.0	U	0.31	1.0
trans-1,3-Dichloropropene	1.0	U	0.27	1.0
Trichloroethene	1.0	U	0.40	1.0
Vinyl chloride	1.0	U	0.20	1.0
Xylenes, Total	2.0	U	0.87	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	82 - 114
Toluene-d8 (Surr)	113	86 - 120
Dibromofluoromethane	112	84 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-77865

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 680-77865/23
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/14/2007 1317
Date Prepared: 06/14/2007 1317

Analysis Batch: 680-77865
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - A C2
Lab File ID: aq896.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	50.0	48.7	97	75 - 121	
1,1,1-Trichloroethane	50.0	54.8	110	76 - 127	
1,1-Dichloroethane	50.0	48.2	96	74 - 127	
1,1,2,2-Tetrachloroethane	50.0	45.2	90	69 - 129	
1,2-Dichloroethane	50.0	52.2	104	66 - 132	
1,2-Dichloropropane	50.0	49.5	99	73 - 124	
1,1-Dichloroethene	50.0	50.0	100	62 - 141	
2-Hexanone	100	79.1	79	34 - 161	
Acetone	100	74.6	74	17 - 175	
Benzene	50.0	47.2	94	77 - 119	
cis-1,2-Dichloroethene	50.0	45.7	91	69 - 134	
Dichlorobromomethane	50.0	55.0	110	78 - 127	
Methyl Ethyl Ketone	100	70.9	71	33 - 157	
methyl isobutyl ketone	100	82.7	83	40 - 151	
trans-1,2-Dichloroethene	50.0	53.3	107	72 - 131	
Bromoform	50.0	49.0	98	62 - 133	
Bromomethane	50.0	67.8	136	12 - 184	
Carbon disulfide	50.0	59.2	118	55 - 131	
Carbon tetrachloride	50.0	54.7	109	71 - 135	
Chlorobenzene	50.0	49.0	98	85 - 116	
Chloroethane	50.0	49.7	99	40 - 165	
Chloroform	50.0	50.6	101	82 - 120	
Chloromethane	50.0	36.0	72	48 - 142	
cis-1,3-Dichloropropene	50.0	54.3	109	76 - 126	
Chlorodibromomethane	50.0	51.9	104	75 - 133	
Ethylbenzene	50.0	53.1	106	86 - 116	
Methylene Chloride	50.0	44.3	89	70 - 125	
Styrene	50.0	55.1	110	82 - 122	
Tetrachloroethene	50.0	52.3	105	76 - 126	
Toluene	50.0	50.4	101	81 - 117	
trans-1,3-Dichloropropene	50.0	54.2	108	73 - 128	
Trichloroethene	50.0	51.5	103	84 - 115	
Vinyl chloride	50.0	45.7	91	59 - 144	
Xylenes, Total	150	161	107	84 - 118	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	109	82 - 114
Toluene-d8 (Surr)	107	86 - 120
Dibromofluoromethane	101	84 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-78286

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 680-78286/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/19/2007 1250
Date Prepared: N/A

Analysis Batch: 680-78286
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq361.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,2-Trichloroethane	5.0	U	1.2	5.0
1,1,1-Trichloroethane	5.0	U	0.58	5.0
1,1-Dichloroethane	5.0	U	0.50	5.0
1,1,2,2-Tetrachloroethane	5.0	U	1.4	5.0
1,2-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloropropane	5.0	U	1.1	5.0
1,1-Dichloroethene	5.0	U	0.54	5.0
2-Hexanone	25	U	2.1	25
Acetone	50	U	4.4	50
Benzene	5.0	U	0.79	5.0
cis-1,2-Dichloroethene	5.0	U	0.63	5.0
Bromodichloromethane	5.0	U	0.83	5.0
2-Butanone	25	U	2.7	25
4-Methyl-2-pentanone	25	U	2.9	25
trans-1,2-Dichloroethene	5.0	U	0.97	5.0
Bromoform	5.0	U	1.1	5.0
Bromomethane	5.0	U	1.6	5.0
Carbon disulfide	5.0	U	0.51	5.0
Carbon tetrachloride	5.0	U	1.0	5.0
Chlorobenzene	5.0	U	0.73	5.0
Chloroethane	5.0	U	1.2	5.0
Chloroform	5.0	U	0.50	5.0
Chloromethane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.87	5.0
Dibromochloromethane	5.0	U	0.50	5.0
Ethylbenzene	5.0	U	0.75	5.0
Methylene Chloride	5.0	U	1.0	5.0
Styrene	5.0	U	0.66	5.0
Tetrachloroethene	5.0	U	0.73	5.0
Toluene	5.0	U	0.79	5.0
trans-1,3-Dichloropropene	5.0	U	0.87	5.0
Trichloroethene	5.0	U	1.0	5.0
Vinyl chloride	5.0	U	0.58	5.0
Xylenes, Total	10	U	2.3	10

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	89	65 - 124
Toluene-d8 (Surr)	94	65 - 132
Dibromofluoromethane	93	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-78286

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-78286/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/19/2007 1003
Date Prepared: N/A

Analysis Batch: 680-78286
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq354.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	50.0	39.4	79	62 - 138	
1,1,1-Trichloroethane	50.0	53.1	106	56 - 140	
1,1-Dichloroethane	50.0	50.7	101	65 - 130	
1,1,2,2-Tetrachloroethane	50.0	35.4	71	65 - 130	
1,2-Dichloroethane	50.0	51.2	102	62 - 140	
1,2-Dichloropropane	50.0	45.9	92	66 - 135	
1,1-Dichloroethene	50.0	56.0	112	59 - 137	
2-Hexanone	100	101	101	47 - 151	
Acetone	100	152	152	16 - 202	
Benzene	50.0	47.7	95	63 - 130	
cis-1,2-Dichloroethene	50.0	47.7	95	58 - 143	
Bromodichloromethane	50.0	45.3	91	64 - 137	
2-Butanone	100	90.1	90	19 - 192	
4-Methyl-2-pentanone	100	94.9	95	50 - 148	
trans-1,2-Dichloroethene	50.0	48.2	96	66 - 127	
Bromoform	50.0	44.1	88	66 - 127	
Bromomethane	50.0	47.9	96	54 - 146	
Carbon disulfide	50.0	46.6	93	46 - 134	
Carbon tetrachloride	50.0	56.6	113	60 - 136	
Chlorobenzene	50.0	46.5	93	77 - 120	
Chloroethane	50.0	70.1	140	26 - 166	
Chloroform	50.0	47.2	94	68 - 127	
Chloromethane	50.0	50.9	102	46 - 137	
cis-1,3-Dichloropropene	50.0	42.3	85	66 - 137	
Dibromochloromethane	50.0	40.1	80	70 - 126	
Ethylbenzene	50.0	48.1	96	77 - 121	
Methylene Chloride	50.0	66.4	133	65 - 126	*
Styrene	50.0	43.1	86	75 - 123	
Tetrachloroethene	50.0	49.2	98	76 - 120	
Toluene	50.0	48.3	97	67 - 132	
trans-1,3-Dichloropropene	50.0	40.9	82	64 - 138	
Trichloroethene	50.0	50.2	100	68 - 133	
Vinyl chloride	50.0	59.7	119	56 - 139	
Xylenes, Total	150	145	97	76 - 122	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	65 - 124
Toluene-d8 (Surr)	92	65 - 132
Dibromofluoromethane	93	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-78310

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 680-78310/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/20/2007 1154
Date Prepared: N/A

Analysis Batch: 680-78310
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq369.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,2-Trichloroethane	5.0	U	1.2	5.0
1,1,1-Trichloroethane	5.0	U	0.58	5.0
1,1-Dichloroethane	5.0	U	0.50	5.0
1,1,2,2-Tetrachloroethane	5.0	U	1.4	5.0
1,2-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloropropane	5.0	U	1.1	5.0
1,1-Dichloroethene	5.0	U	0.54	5.0
2-Hexanone	25	U	2.1	25
Acetone	50	U	4.4	50
Benzene	5.0	U	0.79	5.0
cis-1,2-Dichloroethene	5.0	U	0.63	5.0
Bromodichloromethane	5.0	U	0.83	5.0
2-Butanone	25	U	2.7	25
4-Methyl-2-pentanone	25	U	2.9	25
trans-1,2-Dichloroethene	5.0	U	0.97	5.0
Bromoform	5.0	U	1.1	5.0
Bromomethane	5.0	U	1.6	5.0
Carbon disulfide	5.0	U	0.51	5.0
Carbon tetrachloride	5.0	U	1.0	5.0
Chlorobenzene	5.0	U	0.73	5.0
Chloroethane	5.0	U	1.2	5.0
Chloroform	5.0	U	0.50	5.0
Chloromethane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.87	5.0
Dibromochloromethane	5.0	U	0.50	5.0
Ethylbenzene	5.0	U	0.75	5.0
Methylene Chloride	5.0	U	1.0	5.0
Styrene	5.0	U	0.66	5.0
Tetrachloroethene	5.0	U	0.73	5.0
Toluene	5.0	U	0.79	5.0
trans-1,3-Dichloropropene	5.0	U	0.87	5.0
Trichloroethene	5.0	U	1.0	5.0
Vinyl chloride	5.0	U	0.58	5.0
Xylenes, Total	10	U	2.3	10

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	99	65 - 124
Toluene-d8 (Surr)	97	65 - 132
Dibromofluoromethane	99	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-78310

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-78310/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/20/2007 1226
Date Prepared: N/A

Analysis Batch: 680-78310
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq370.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	50.0	39.6	79	62 - 138	
1,1,1-Trichloroethane	50.0	52.3	105	56 - 140	
1,1-Dichloroethane	50.0	57.4	115	65 - 130	
1,1,2,2-Tetrachloroethane	50.0	37.9	76	65 - 130	
1,2-Dichloroethane	50.0	48.1	96	62 - 140	
1,2-Dichloropropane	50.0	49.1	98	66 - 135	
1,1-Dichloroethene	50.0	55.7	111	59 - 137	
2-Hexanone	100	103	103	47 - 151	
Acetone	100	142	142	16 - 202	
Benzene	50.0	48.3	97	63 - 130	
cis-1,2-Dichloroethene	50.0	55.8	112	58 - 143	
Bromodichloromethane	50.0	44.9	90	64 - 137	
2-Butanone	100	100	100	19 - 192	
4-Methyl-2-pentanone	100	98.2	98	50 - 148	
trans-1,2-Dichloroethene	50.0	50.5	101	66 - 127	
Bromoform	50.0	44.4	89	66 - 127	
Bromomethane	50.0	40.9	82	54 - 146	
Carbon disulfide	50.0	43.8	88	46 - 134	
Carbon tetrachloride	50.0	54.0	108	60 - 136	
Chlorobenzene	50.0	46.6	93	77 - 120	
Chloroethane	50.0	62.4	125	26 - 166	
Chloroform	50.0	51.7	103	68 - 127	
Chloromethane	50.0	45.7	91	46 - 137	
cis-1,3-Dichloropropene	50.0	43.9	88	66 - 137	
Dibromochloromethane	50.0	42.5	85	70 - 126	
Ethylbenzene	50.0	50.2	100	77 - 121	
Methylene Chloride	50.0	60.6	121	65 - 126	
Styrene	50.0	44.1	88	75 - 123	
Tetrachloroethene	50.0	55.2	110	76 - 120	
Toluene	50.0	48.0	96	67 - 132	
trans-1,3-Dichloropropene	50.0	41.6	83	64 - 138	
Trichloroethene	50.0	52.9	106	68 - 133	
Vinyl chloride	50.0	55.9	112	56 - 139	
Xylenes, Total	150	145	97	76 - 122	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	96	65 - 124
Toluene-d8 (Surr)	92	65 - 132
Dibromofluoromethane	104	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-78474

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 680-78474/9
Client Matrix: Solid
Dilution: 40
Date Analyzed: 06/19/2007 1226
Date Prepared: N/A

Analysis Batch: 680-78474
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq360.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,2-Trichloroethane	200	U	48	200
1,1,1-Trichloroethane	200	U	23	200
1,1-Dichloroethane	200	U	20	200
1,1,2,2-Tetrachloroethane	200	U	56	200
1,2-Dichloroethane	200	U	40	200
1,2-Dichloropropane	200	U	44	200
1,1-Dichloroethene	200	U	22	200
2-Hexanone	1000	U	84	1000
Acetone	2000	U	180	2000
Benzene	200	U	32	200
cis-1,2-Dichloroethene	200	U	25	200
Bromodichloromethane	200	U	33	200
2-Butanone	1000	U	110	1000
4-Methyl-2-pentanone	1000	U	120	1000
trans-1,2-Dichloroethene	200	U	39	200
Bromoform	200	U	44	200
Bromomethane	200	U	64	200
Carbon disulfide	200	U	20	200
Carbon tetrachloride	200	U	40	200
Chlorobenzene	200	U	29	200
Chloroethane	200	U	48	200
Chloroform	200	U	20	200
Chloromethane	200	U	28	200
cis-1,3-Dichloropropene	200	U	35	200
Dibromochloromethane	200	U	20	200
Ethylbenzene	200	U	30	200
Methylene Chloride	200	U	40	200
Styrene	200	U	26	200
Tetrachloroethene	200	U	29	200
Toluene	200	U	32	200
trans-1,3-Dichloropropene	200	U	35	200
Trichloroethene	200	U	40	200
Vinyl chloride	200	U	23	200
Xylenes, Total	400	U	92	400

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	71	65 - 124
Toluene-d8 (Surr)	92	65 - 132
Dibromofluoromethane	96	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-78474

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-78474/8
Client Matrix: Solid
Dilution: 40
Date Analyzed: 06/19/2007 1101
Date Prepared: N/A

Analysis Batch: 680-78474
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq356.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	2500	1860	74	62 - 138	
1,1,1-Trichloroethane	2500	2850	114	56 - 140	
1,1-Dichloroethane	2500	2400	96	65 - 130	
1,1,2,2-Tetrachloroethane	2500	1910	76	65 - 130	
1,2-Dichloroethane	2500	2630	105	62 - 140	
1,2-Dichloropropane	2500	2350	94	66 - 135	
1,1-Dichloroethene	2500	3010	120	59 - 137	
2-Hexanone	5000	4400	88	47 - 151	
Acetone	5000	6700	134	16 - 202	
Benzene	2500	2450	98	63 - 130	
cis-1,2-Dichloroethene	2500	2350	94	58 - 143	
Bromodichloromethane	2500	2370	95	64 - 137	
2-Butanone	5000	3710	74	19 - 192	
4-Methyl-2-pentanone	5000	4080	82	50 - 148	
trans-1,2-Dichloroethene	2500	2340	93	66 - 127	
Bromoform	2500	2230	89	66 - 127	
Bromomethane	2500	2200	88	54 - 146	
Carbon disulfide	2500	2380	95	46 - 134	
Carbon tetrachloride	2500	2870	115	60 - 136	
Chlorobenzene	2500	2440	98	77 - 120	
Chloroethane	2500	3460	138	26 - 166	
Chloroform	2500	2280	91	68 - 127	
Chloromethane	2500	2310	92	46 - 137	
cis-1,3-Dichloropropene	2500	2140	85	66 - 137	
Dibromochloromethane	2500	2060	83	70 - 126	
Ethylbenzene	2500	2550	102	77 - 121	
Methylene Chloride	2500	3460	139	65 - 126	*
Styrene	2500	2230	89	75 - 123	
Tetrachloroethene	2500	2610	104	76 - 120	
Toluene	2500	2410	96	67 - 132	
trans-1,3-Dichloropropene	2500	2100	84	64 - 138	
Trichloroethene	2500	2490	99	68 - 133	
Vinyl chloride	2500	2890	116	56 - 139	
Xylenes, Total	7500	7290	97	76 - 122	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	95	65 - 124
Toluene-d8 (Surr)	95	65 - 132
Dibromofluoromethane	93	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-78475

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 680-78475/11
Client Matrix: Solid
Dilution: 40
Date Analyzed: 06/20/2007 1618
Date Prepared: N/A

Analysis Batch: 680-78475
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq372.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,2-Trichloroethane	200	U	48	200
1,1,1-Trichloroethane	200	U	23	200
1,1-Dichloroethane	200	U	20	200
1,1,2,2-Tetrachloroethane	200	U	56	200
1,2-Dichloroethane	200	U	40	200
1,2-Dichloropropane	200	U	44	200
1,1-Dichloroethene	200	U	22	200
2-Hexanone	1000	U	84	1000
Acetone	2000	U	180	2000
Benzene	200	U	32	200
cis-1,2-Dichloroethene	200	U	25	200
Bromodichloromethane	200	U	33	200
2-Butanone	1000	U	110	1000
4-Methyl-2-pentanone	1000	U	120	1000
trans-1,2-Dichloroethene	200	U	39	200
Bromoform	200	U	44	200
Bromomethane	200	U	64	200
Carbon disulfide	200	U	20	200
Carbon tetrachloride	200	U	40	200
Chlorobenzene	200	U	29	200
Chloroethane	200	U	48	200
Chloroform	200	U	20	200
Chloromethane	200	U	28	200
cis-1,3-Dichloropropene	200	U	35	200
Dibromochloromethane	200	U	20	200
Ethylbenzene	200	U	30	200
Methylene Chloride	200	U	40	200
Styrene	200	U	26	200
Tetrachloroethene	200	U	29	200
Toluene	200	U	32	200
trans-1,3-Dichloropropene	200	U	35	200
Trichloroethene	200	U	40	200
Vinyl chloride	200	U	23	200
Xylenes, Total	400	U	92	400

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	65 - 124
Toluene-d8 (Surr)	81	65 - 132
Dibromofluoromethane	86	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-78475

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-78475/9
Client Matrix: Solid
Dilution: 40
Date Analyzed: 06/20/2007 1050
Date Prepared: N/A

Analysis Batch: 680-78475
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq366.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	2500	1920	77	62 - 138	
1,1,1-Trichloroethane	2500	2590	104	56 - 140	
1,1-Dichloroethane	2500	2600	104	65 - 130	
1,1,2,2-Tetrachloroethane	2500	1660	67	65 - 130	
1,2-Dichloroethane	2500	2310	92	62 - 140	
1,2-Dichloropropane	2500	2330	93	66 - 135	
1,1-Dichloroethene	2500	2370	95	59 - 137	
2-Hexanone	5000	4410	88	47 - 151	
Acetone	5000	6280	126	16 - 202	
Benzene	2500	2450	98	63 - 130	
cis-1,2-Dichloroethene	2500	2530	101	58 - 143	
Bromodichloromethane	2500	2150	86	64 - 137	
2-Butanone	5000	4470	89	19 - 192	
4-Methyl-2-pentanone	5000	4270	85	50 - 148	
trans-1,2-Dichloroethene	2500	2280	91	66 - 127	
Bromoform	2500	2000	80	66 - 127	
Bromomethane	2500	1620	65	54 - 146	
Carbon disulfide	2500	1790	72	46 - 134	
Carbon tetrachloride	2500	2570	103	60 - 136	
Chlorobenzene	2500	2180	87	77 - 120	
Chloroethane	2500	1780	71	26 - 166	
Chloroform	2500	2440	98	68 - 127	
Chloromethane	2500	1610	64	46 - 137	
cis-1,3-Dichloropropene	2500	2150	86	66 - 137	
Dibromochloromethane	2500	1890	76	70 - 126	
Ethylbenzene	2500	2270	91	77 - 121	
Methylene Chloride	2500	2710	108	65 - 126	
Styrene	2500	2020	81	75 - 123	
Tetrachloroethene	2500	2520	101	76 - 120	
Toluene	2500	2260	90	67 - 132	
trans-1,3-Dichloropropene	2500	1940	77	64 - 138	
Trichloroethene	2500	2650	106	68 - 133	
Vinyl chloride	2500	2090	84	56 - 139	
Xylenes, Total	7500	6620	88	76 - 122	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	89	65 - 124
Toluene-d8 (Surr)	90	65 - 132
Dibromofluoromethane	97	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-78476

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 680-78476/7
Client Matrix: Solid
Dilution: 40
Date Analyzed: 06/18/2007 1205
Date Prepared: N/A

Analysis Batch: 680-78476
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq351.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,2-Trichloroethane	200	U	48	200
1,1,1-Trichloroethane	200	U	23	200
1,1-Dichloroethane	200	U	20	200
1,1,2,2-Tetrachloroethane	200	U	56	200
1,2-Dichloroethane	200	U	40	200
1,2-Dichloropropane	200	U	44	200
1,1-Dichloroethene	200	U	22	200
2-Hexanone	1000	U	84	1000
Acetone	2000	U	180	2000
Benzene	200	U	32	200
cis-1,2-Dichloroethene	200	U	25	200
Bromodichloromethane	200	U	33	200
2-Butanone	1000	U	110	1000
4-Methyl-2-pentanone	1000	U	120	1000
trans-1,2-Dichloroethene	200	U	39	200
Bromoform	200	U	44	200
Bromomethane	200	U	64	200
Carbon disulfide	200	U	20	200
Carbon tetrachloride	200	U	40	200
Chlorobenzene	200	U	29	200
Chloroethane	200	U	48	200
Chloroform	200	U	20	200
Chloromethane	200	U	28	200
cis-1,3-Dichloropropene	200	U	35	200
Dibromochloromethane	200	U	20	200
Ethylbenzene	200	U	30	200
Methylene Chloride	200	U	40	200
Styrene	200	U	26	200
Tetrachloroethene	200	U	29	200
Toluene	200	U	32	200
trans-1,3-Dichloropropene	200	U	35	200
Trichloroethene	200	U	40	200
Vinyl chloride	200	U	23	200
Xylenes, Total	400	U	92	400

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	91	65 - 124
Toluene-d8 (Surr)	93	65 - 132
Dibromofluoromethane	95	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-78476

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-78476/5
Client Matrix: Solid
Dilution: 40
Date Analyzed: 06/18/2007 1034
Date Prepared: N/A

Analysis Batch: 680-78476
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq347.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	2500	2020	81	62 - 138	
1,1,1-Trichloroethane	2500	2650	106	56 - 140	
1,1-Dichloroethane	2500	2440	98	65 - 130	
1,1,2,2-Tetrachloroethane	2500	1920	77	65 - 130	
1,2-Dichloroethane	2500	2500	100	62 - 140	
1,2-Dichloropropane	2500	2350	94	66 - 135	
1,1-Dichloroethene	2500	2720	109	59 - 137	
2-Hexanone	5000	4820	96	47 - 151	
Acetone	5000	7240	145	16 - 202	
Benzene	2500	2400	96	63 - 130	
cis-1,2-Dichloroethene	2500	2460	98	58 - 143	
Bromodichloromethane	2500	2270	91	64 - 137	
2-Butanone	5000	4370	87	19 - 192	
4-Methyl-2-pentanone	5000	4260	85	50 - 148	
trans-1,2-Dichloroethene	2500	2270	91	66 - 127	
Bromoform	2500	2480	99	66 - 127	
Bromomethane	2500	2100	84	54 - 146	
Carbon disulfide	2500	2090	84	46 - 134	
Carbon tetrachloride	2500	2680	107	60 - 136	
Chlorobenzene	2500	2440	98	77 - 120	
Chloroethane	2500	3020	121	26 - 166	
Chloroform	2500	2450	98	68 - 127	
Chloromethane	2500	1630	65	46 - 137	
cis-1,3-Dichloropropene	2500	2130	85	66 - 137	
Dibromochloromethane	2500	2230	89	70 - 126	
Ethylbenzene	2500	2620	105	77 - 121	
Methylene Chloride	2500	2720	109	65 - 126	
Styrene	2500	2410	96	75 - 123	
Tetrachloroethene	2500	2850	114	76 - 120	
Toluene	2500	2460	98	67 - 132	
trans-1,3-Dichloropropene	2500	1980	79	64 - 138	
Trichloroethene	2500	2540	102	68 - 133	
Vinyl chloride	2500	1930	77	56 - 139	
Xylenes, Total	7500	7510	100	76 - 122	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	65 - 124
Toluene-d8 (Surr)	93	65 - 132
Dibromofluoromethane	95	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-78882

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 680-78882/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/21/2007 1915
Date Prepared: N/A

Analysis Batch: 680-78882
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq390.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,2-Trichloroethane	5.0	U	1.2	5.0
1,1,1-Trichloroethane	5.0	U	0.58	5.0
1,1-Dichloroethane	5.0	U	0.50	5.0
1,1,2,2-Tetrachloroethane	5.0	U	1.4	5.0
1,2-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloropropane	5.0	U	1.1	5.0
1,1-Dichloroethene	5.0	U	0.54	5.0
2-Hexanone	25	U	2.1	25
Acetone	7.4	J	4.4	50
Benzene	5.0	U	0.79	5.0
cis-1,2-Dichloroethene	5.0	U	0.63	5.0
Bromodichloromethane	5.0	U	0.83	5.0
2-Butanone	25	U	2.7	25
4-Methyl-2-pentanone	25	U	2.9	25
trans-1,2-Dichloroethene	5.0	U	0.97	5.0
Bromoform	5.0	U	1.1	5.0
Bromomethane	5.0	U	1.6	5.0
Carbon disulfide	5.0	U	0.51	5.0
Carbon tetrachloride	5.0	U	1.0	5.0
Chlorobenzene	5.0	U	0.73	5.0
Chloroethane	5.0	U	1.2	5.0
Chloroform	5.0	U	0.50	5.0
Chloromethane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.87	5.0
Dibromochloromethane	5.0	U	0.50	5.0
Ethylbenzene	5.0	U	0.75	5.0
Methylene Chloride	5.0	U	1.0	5.0
Styrene	5.0	U	0.66	5.0
Tetrachloroethene	5.0	U	0.73	5.0
Toluene	5.0	U	0.79	5.0
trans-1,3-Dichloropropene	5.0	U	0.87	5.0
Trichloroethene	5.0	U	1.0	5.0
Vinyl chloride	5.0	U	0.58	5.0
Xylenes, Total	10	U	2.3	10

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	96	65 - 124
Toluene-d8 (Surr)	97	65 - 132
Dibromofluoromethane	110	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-78882

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-78882/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/21/2007 1728
Date Prepared: N/A

Analysis Batch: 680-78882
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq386.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	50.0	42.8	86	62 - 138	
1,1,1-Trichloroethane	50.0	52.6	105	56 - 140	
1,1-Dichloroethane	50.0	51.1	102	65 - 130	
1,1,2,2-Tetrachloroethane	50.0	59.9	120	65 - 130	
1,2-Dichloroethane	50.0	52.5	105	62 - 140	
1,2-Dichloropropane	50.0	42.9	86	66 - 135	
1,1-Dichloroethene	50.0	49.5	99	59 - 137	
2-Hexanone	100	161	161	47 - 151	*
Acetone	100	179	179	16 - 202	B
Benzene	50.0	60.2	120	63 - 130	
cis-1,2-Dichloroethene	50.0	55.7	111	58 - 143	
Bromodichloromethane	50.0	42.5	85	64 - 137	
2-Butanone	100	169	169	19 - 192	
4-Methyl-2-pentanone	100	99.7	100	50 - 148	
trans-1,2-Dichloroethene	50.0	44.0	88	66 - 127	
Bromoform	50.0	58.0	116	66 - 127	
Bromomethane	50.0	45.7	91	54 - 146	
Carbon disulfide	50.0	35.4	71	46 - 134	
Carbon tetrachloride	50.0	51.9	104	60 - 136	
Chlorobenzene	50.0	56.6	113	77 - 120	
Chloroethane	50.0	50.3	101	26 - 166	
Chloroform	50.0	55.8	112	68 - 127	
Chloromethane	50.0	36.4	73	46 - 137	
cis-1,3-Dichloropropene	50.0	42.4	85	66 - 137	
Dibromochloromethane	50.0	56.1	112	70 - 126	
Ethylbenzene	50.0	55.6	111	77 - 121	
Methylene Chloride	50.0	45.7	91	65 - 126	
Styrene	50.0	53.5	107	75 - 123	
Tetrachloroethene	50.0	54.4	109	76 - 120	
Toluene	50.0	44.1	88	67 - 132	
trans-1,3-Dichloropropene	50.0	41.9	84	64 - 138	
Trichloroethene	50.0	53.2	106	68 - 133	
Vinyl chloride	50.0	47.0	94	56 - 139	
Xylenes, Total	150	170	114	76 - 122	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	102	65 - 124
Toluene-d8 (Surr)	83	65 - 132
Dibromofluoromethane	106	65 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-78301

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-78301/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/21/2007 1505
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6951.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	330	U	17	330
1,2-Dichlorobenzene	330	U	17	330
1,3-Dichlorobenzene	330	U	33	330
1,4-Dichlorobenzene	330	U	17	330
2,4,5-Trichlorophenol	330	U	67	330
2,4,6-Trichlorophenol	330	U	67	330
2,2'-oxybis[1-chloropropane]	330	U	17	330
2,4-Dichlorophenol	330	U	170	330
2,4-Dimethylphenol	330	U	17	330
2,4-Dinitrotoluene	330	U	21	330
2,6-Dinitrotoluene	330	U	20	330
2,4-Dinitrophenol	1700	U	160	1700
2-Chloronaphthalene	330	U	17	330
2-Chlorophenol	330	U	17	330
2-Methylnaphthalene	330	U	17	330
2-Methylphenol	330	U	21	330
2-Nitroaniline	1700	U	170	1700
2-Nitrophenol	330	U	23	330
3,3'-Dichlorobenzidine	660	U	17	660
3-Nitroaniline	1700	U	33	1700
4,6-Dinitro-2-methylphenol	1700	U	330	1700
4-Bromophenyl phenyl ether	330	U	17	330
4-Chloro-3-methylphenol	330	U	67	330
4-Chloroaniline	660	U	17	660
4-Chlorophenyl phenyl ether	330	U	23	330
3 & 4 Methylphenol	330	U	21	330
4-Nitroaniline	1700	U	170	1700
Acenaphthene	330	U	17	330
Acenaphthylene	330	U	17	330
Anthracene	330	U	17	330
Benzo[a]anthracene	330	U	33	330
Benzo[a]pyrene	330	U	17	330
Benzo[b]fluoranthene	330	U	17	330
Benzo[g,h,i]perylene	330	U	24	330
Benzo[k]fluoranthene	330	U	17	330
Bis(2-chloroethoxy)methane	330	U	17	330
Bis(2-chloroethyl)ether	330	U	17	330
Bis(2-ethylhexyl) phthalate	330	U	32	330
Butyl benzyl phthalate	330	U	17	330
Carbazole	330	U	17	330
Chrysene	330	U	17	330

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-78301

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-78301/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/21/2007 1505
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6951.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	330	U	24	330
Dibenzofuran	330	U	17	330
Diethyl phthalate	330	U	18	330
Dimethyl phthalate	330	U	67	330
Di-n-butyl phthalate	330	U	17	330
Di-n-octyl phthalate	330	U	19	330
Fluoranthene	330	U	17	330
Fluorene	330	U	20	330
Hexachlorobenzene	330	U	20	330
Hexachlorobutadiene	330	U	21	330
Hexachlorocyclopentadiene	330	U	170	330
Hexachloroethane	330	U	17	330
Indeno[1,2,3-cd]pyrene	330	U	29	330
Isophorone	330	U	17	330
Naphthalene	330	U	17	330
Nitrobenzene	330	U	17	330
N-Nitrosodi-n-propylamine	330	U	17	330
N-Nitrosodiphenylamine	330	U	33	330
Pentachlorophenol	1700	U	170	1700
Phenanthrene	330	U	17	330
Phenol	330	U	17	330
Pyrene	330	U	17	330

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	71	44 - 110
2-Fluorophenol	67	41 - 110
Nitrobenzene-d5	62	36 - 110
Phenol-d5	62	43 - 110
Terphenyl-d14	77	10 - 112
2,4,6-Tribromophenol	66	36 - 128

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-78301

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-78301/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/21/2007 1527
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6952.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	3330	2140	64	42 - 110	
1,2-Dichlorobenzene	3330	2060	62	40 - 110	
1,3-Dichlorobenzene	3330	1950	59	37 - 110	
1,4-Dichlorobenzene	3330	1990	60	38 - 110	
2,4,5-Trichlorophenol	3330	2420	72	48 - 110	
2,4,6-Trichlorophenol	3330	2380	72	46 - 110	
2,2'-oxybis[1-chloropropane]	3330	2320	70	31 - 110	
2,4-Dichlorophenol	3330	2300	69	46 - 110	
2,4-Dimethylphenol	3330	2210	66	44 - 110	
2,4-Dinitrotoluene	3330	2540	76	46 - 116	
2,6-Dinitrotoluene	3330	2570	77	45 - 118	
2,4-Dinitrophenol	3330	475	14	10 - 119	J
2-Chloronaphthalene	3330	2220	67	46 - 110	
2-Chlorophenol	3330	2130	64	44 - 110	
2-Methylnaphthalene	3330	2310	69	45 - 110	
2-Methylphenol	3330	2260	68	44 - 110	
2-Nitroaniline	3330	2150	64	42 - 110	
2-Nitrophenol	3330	2100	63	38 - 110	
3,3'-Dichlorobenzidine	3330	2380	71	27 - 110	
3-Nitroaniline	3330	1780	53	30 - 110	
4,6-Dinitro-2-methylphenol	3330	1050	32	10 - 126	J
4-Bromophenyl phenyl ether	3330	2200	66	43 - 110	
4-Chloro-3-methylphenol	3330	2410	72	46 - 110	
4-Chloroaniline	3330	1650	50	21 - 110	
4-Chlorophenyl phenyl ether	3330	2480	74	47 - 110	
3 & 4 Methylphenol	3330	1940	58	43 - 110	
4-Nitroaniline	3330	1920	58	32 - 117	
Acenaphthene	3330	2150	65	44 - 110	
Acenaphthylene	3330	2450	73	49 - 110	
Anthracene	3330	2530	76	52 - 110	
Benzo[a]anthracene	3330	2530	76	53 - 113	
Benzo[a]pyrene	3330	2630	79	51 - 115	
Benzo[b]fluoranthene	3330	2070	62	45 - 119	
Benzo[g,h,i]perylene	3330	2630	79	49 - 116	
Benzo[k]fluoranthene	3330	2790	84	50 - 115	
Bis(2-chloroethoxy)methane	3330	2170	65	46 - 110	
Bis(2-chloroethyl)ether	3330	1970	59	39 - 110	
Bis(2-ethylhexyl) phthalate	3330	2900	87	51 - 120	
Butyl benzyl phthalate	3330	2870	86	54 - 124	
Carbazole	3330	2430	73	49 - 112	
Chrysene	3330	2520	76	54 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-78301

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-78301/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/21/2007 1527
Date Prepared: 06/21/2007 1125

Analysis Batch: 680-78512
Prep Batch: 680-78301
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - N
Lab File ID: n6952.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibenz(a,h)anthracene	3330	2650	80	50 - 115	
Dibenzofuran	3330	2380	71	48 - 110	
Diethyl phthalate	3330	2560	77	47 - 110	
Dimethyl phthalate	3330	2510	75	48 - 110	
Di-n-butyl phthalate	3330	2710	81	49 - 115	
Di-n-octyl phthalate	3330	2940	88	49 - 122	
Fluoranthene	3330	2650	80	48 - 116	
Fluorene	3330	2430	73	48 - 110	
Hexachlorobenzene	3330	2600	78	50 - 110	
Hexachlorobutadiene	3330	2310	69	44 - 110	
Hexachlorocyclopentadiene	3330	2330	70	26 - 110	
Hexachloroethane	3330	2050	62	36 - 110	
Indeno[1,2,3-cd]pyrene	3330	2780	83	45 - 128	
Isophorone	3330	2290	69	44 - 110	
Naphthalene	3330	2160	65	44 - 110	
Nitrobenzene	3330	1910	57	41 - 110	
N-Nitrosodi-n-propylamine	3330	2180	65	41 - 110	
N-Nitrosodiphenylamine	3330	2480	74	53 - 110	
Pentachlorophenol	3330	1920	58	28 - 117	
Phenanthrene	3330	2450	73	51 - 110	
Phenol	3330	2090	63	41 - 110	
Pyrene	3330	2590	78	54 - 112	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	71	44 - 110
2-Fluorophenol	59	41 - 110
Nitrobenzene-d5	60	36 - 110
Phenol-d5	61	43 - 110
Terphenyl-d14	75	10 - 112
2,4,6-Tribromophenol	79	36 - 128

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-78301

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	680-27416-13	Analysis Batch:	680-78512	Instrument ID:	GC/MS SemiVolatiles - N
Client Matrix:	Solid	Prep Batch:	680-78301	Lab File ID:	n6968.d
Dilution:	10			Initial Weight/Volume:	30.16 g
Date Analyzed:	06/21/2007 2113			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

MSD Lab Sample ID:	680-27416-13	Analysis Batch:	680-78512	Instrument ID:	GC/MS SemiVolatiles - N
Client Matrix:	Solid	Prep Batch:	680-78301	Lab File ID:	n6969.d
Dilution:	10			Initial Weight/Volume:	30.17 g
Date Analyzed:	06/21/2007 2134			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	45	30	42 - 110	31	50	J	J F
1,2-Dichlorobenzene	50	32	40 - 110	43	50	J	J F
1,3-Dichlorobenzene	44	25	37 - 110	55	50	J	J F
1,4-Dichlorobenzene	46	31	38 - 110	40	50	J	J F
2,4,5-Trichlorophenol	48	38	48 - 110	24	50	J	J F
2,4,6-Trichlorophenol	54	29	46 - 110	58	50	J	J F
2,2'-oxybis[1-chloropropane]	52	38	31 - 110	33	50	J	J
2,4-Dichlorophenol	67	30	46 - 110	NC	50	J	U F
2,4-Dimethylphenol	50	43	44 - 110	15	50	J	J F
2,4-Dinitrotoluene	100	5	46 - 116	NC	50		U F
2,6-Dinitrotoluene	59	0	45 - 118	NC	50	J	U F
2,4-Dinitrophenol	0	0	10 - 119	NC	50	U F	U F
2-Chloronaphthalene	42	36	46 - 110	14	50	J F	J F
2-Chlorophenol	44	27	44 - 110	48	50	J	J F
2-Methylnaphthalene	-25	-128	45 - 110	32	50	F	F
2-Methylphenol	48	37	44 - 110	25	50	J	J F
2-Nitroaniline	31	0	42 - 110	NC	50	U F	U F
2-Nitrophenol	74	39	38 - 110	62	50	J	J F
3,3'-Dichlorobenzidine	51	45	27 - 110	13	50	J	J
3-Nitroaniline	59	26	30 - 110	77	50	J	J F
4,6-Dinitro-2-methylphenol	0	0	10 - 126	NC	50	U F	U F
4-Bromophenyl phenyl ether	45	38	43 - 110	15	50	J	J F
4-Chloro-3-methylphenol	43	0	46 - 110	NC	50	J F	U F
4-Chloroaniline	25	29	21 - 110	14	50	J	J
4-Chlorophenyl phenyl ether	51	43	47 - 110	18	50	J	J F
3 & 4 Methylphenol	39	26	43 - 110	38	50	J F	J F
4-Nitroaniline	42	20	32 - 117	NC	50	U	U F
Acenaphthene	39	21	44 - 110	25	50	J F	J F
Acenaphthylene	59	49	49 - 110	18	50	J	J

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-78301

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	680-27416-13	Analysis Batch:	680-78512	Instrument ID:	GC/MS SemiVolatiles - N
Client Matrix:	Solid	Prep Batch:	680-78301	Lab File ID:	n6968.d
Dilution:	10			Initial Weight/Volume:	30.16 g
Date Analyzed:	06/21/2007 2113			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

MSD Lab Sample ID:	680-27416-13	Analysis Batch:	680-78512	Instrument ID:	GC/MS SemiVolatiles - N
Client Matrix:	Solid	Prep Batch:	680-78301	Lab File ID:	n6969.d
Dilution:	10			Initial Weight/Volume:	30.17 g
Date Analyzed:	06/21/2007 2134			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Anthracene	54	43	52 - 110	12	50	J	J F
Benzo[a]anthracene	42	27	53 - 113	15	50	F	J F
Benzo[a]pyrene	-4	-22	51 - 115	36	50	J F	J F
Benzo[b]fluoranthene	65	59	45 - 119	10	50	J	J
Benzo[g,h,i]perylene	63	56	49 - 116	12	50	J	J
Benzo[k]fluoranthene	51	43	50 - 115	17	50	J	J F
Bis(2-chloroethoxy)methane	48	31	46 - 110	43	50	J	J F
Bis(2-chloroethyl)ether	39	29	39 - 110	31	50	J	J F
Bis(2-ethylhexyl) phthalate	52	47	51 - 120	9	50	J	J F
Butyl benzyl phthalate	47	48	54 - 124	2	50	J F	J F
Carbazole	57	43	49 - 112	27	50	J	J F
Chrysene	45	-11	54 - 115	32	50	F	F
Dibenz(a,h)anthracene	52	44	50 - 115	17	50	J	J F
Dibenzofuran	52	37	48 - 110	23	50	J	J F
Diethyl phthalate	52	43	47 - 110	20	50	J	J F
Dimethyl phthalate	55	41	48 - 110	30	50	J	J F
Di-n-butyl phthalate	56	52	49 - 115	9	50	J	J
Di-n-octyl phthalate	53	52	49 - 122	2	50	J	J
Fluoranthene	112	91	48 - 116	21	50		J
Fluorene	47	24	48 - 110	25	50	F	J F
Hexachlorobenzene	48	40	50 - 110	18	50	J F	J F
Hexachlorobutadiene	61	44	44 - 110	34	50	J	J
Hexachlorocyclopentadiene	4	0	26 - 110	NC	50	U F	U F
Hexachloroethane	66	44	36 - 110	40	50	J	J
Indeno[1,2,3-cd]pyrene	57	49	45 - 128	15	50	J	J
Isophorone	70	52	44 - 110	30	50	J	J
Naphthalene	34	2	44 - 110	38	50	F	J F
Nitrobenzene	3	21	41 - 110	NC	50	U F	J F
N-Nitrosodi-n-propylamine	69	50	41 - 110	32	50	J	J

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-78301

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	680-27416-13	Analysis Batch:	680-78512	Instrument ID:	GC/MS SemiVolatiles - N
Client Matrix:	Solid	Prep Batch:	680-78301	Lab File ID:	n6968.d
Dilution:	10			Initial Weight/Volume:	30.16 g
Date Analyzed:	06/21/2007 2113			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

MSD Lab Sample ID:	680-27416-13	Analysis Batch:	680-78512	Instrument ID:	GC/MS SemiVolatiles - N
Client Matrix:	Solid	Prep Batch:	680-78301	Lab File ID:	n6969.d
Dilution:	10			Initial Weight/Volume:	30.17 g
Date Analyzed:	06/21/2007 2134			Final Weight/Volume:	1 mL
Date Prepared:	06/21/2007 1125			Injection Volume:	

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
N-Nitrosodiphenylamine	229	165	53 - 110	32	50	F	F
Pentachlorophenol	27	21	28 - 117	NC	50	U F	U F
Phenanthrene	28	-29	51 - 110	24	50	F	F
Phenol	44	23	41 - 110	62	50	J	J F
Pyrene	28	-25	54 - 112	30	50	F	F

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	0	D	44 - 110
2-Fluorophenol	0	D	0	D	41 - 110
Nitrobenzene-d5	0	D	0	D	36 - 110
Phenol-d5	0	D	0	D	43 - 110
Terphenyl-d14	0	D	0	D	10 - 112
2,4,6-Tribromophenol	0	D	0	D	36 - 128

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-78303

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: MB 680-78303/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/25/2007 1655
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78785
Prep Batch: 680-78303
Units: ug/Kg

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25011.d
Initial Weight/Volume: 15.03 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	1.7	U	0.11	1.7
alpha-BHC	1.7	U	0.083	1.7
beta-BHC	1.7	U	0.22	1.7
delta-BHC	1.7	U	0.12	1.7
gamma-BHC (Lindane)	1.7	U	0.10	1.7
alpha-Chlordane	1.7	U	0.53	1.7
gamma-Chlordane	1.7	U	0.42	1.7
4,4'-DDD	3.3	U	0.36	3.3
4,4'-DDE	3.3	U	0.32	3.3
4,4'-DDT	3.3	U	0.52	3.3
Dieldrin	3.3	U	0.31	3.3
Endosulfan I	1.7	U	0.28	1.7
Endosulfan II	3.3	U	0.68	3.3
Endosulfan sulfate	3.3	U	0.27	3.3
Endrin	3.3	U	0.34	3.3
Endrin aldehyde	3.3	U	0.64	3.3
Endrin ketone	3.3	U	0.34	3.3
Heptachlor epoxide	1.7	U	0.10	1.7
Heptachlor	1.7	U	0.23	1.7
Methoxychlor	17	U	0.80	17
Toxaphene	170	U	42	170
PCB-1016	33	U	3.8	33
PCB-1221	67	U	13	67
PCB-1232	33	U	7.5	33
PCB-1242	33	U	4.8	33
PCB-1248	33	U	5.1	33
PCB-1254	33	U	2.3	33
PCB-1260	33	U	4.8	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	115	50 - 129
Tetrachloro-m-xylene	129	26 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-78303

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: LCS 680-78303/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/25/2007 1715
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78785
Prep Batch: 680-78303
Units: ug/Kg

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25012.d
Initial Weight/Volume: 15.04 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	332	357	107	43 - 136	
PCB-1260	332	345	104	53 - 133	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	50 - 129
Tetrachloro-m-xylene	95	26 - 140

Lab Control Spike - Batch: 680-78303

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: LCS 680-78303/21-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/25/2007 1734
Date Prepared: 06/21/2007 1030

Analysis Batch: 680-78785
Prep Batch: 680-78303
Units: ug/Kg

Instrument ID: GC SemiVolatiles - M
Lab File ID: mf25013.d
Initial Weight/Volume: 15.09 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	3.41	2.72	80	29 - 116	
alpha-BHC	3.55	3.54	100	24 - 118	
beta-BHC	3.61	2.93	81	30 - 161	
delta-BHC	3.48	2.71	78	21 - 120	
gamma-BHC (Lindane)	3.31	3.00	91	30 - 121	
alpha-Chlordane	3.28	2.70	82	27 - 146	
gamma-Chlordane	3.45	2.81	82	10 - 191	
4,4'-DDD	6.49	5.76	89	34 - 162	
4,4'-DDE	6.76	5.87	87	25 - 136	
4,4'-DDT	6.63	6.27	95	14 - 134	
Dieldrin	6.63	5.57	84	41 - 128	
Endosulfan I	3.31	3.02	91	30 - 133	
Endosulfan II	6.63	5.40	81	25 - 130	
Endosulfan sulfate	6.73	6.04	90	42 - 118	
Endrin	6.73	6.08	90	30 - 135	
Endrin aldehyde	6.66	4.77	72	31 - 115	
Endrin ketone	6.66	6.48	97	43 - 132	
Heptachlor epoxide	3.31	2.60	79	30 - 123	
Heptachlor	3.31	3.35	101	32 - 130	
Methoxychlor	6.66	4.23	64	10 - 188	J P

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	84	50 - 129
Tetrachloro-m-xylene	96	26 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-78303

Method: 8081A_8082
Preparation: 3550B

MS Lab Sample ID:	680-27416-13	Analysis Batch: 680-78788	Instrument ID:	GC SemiVolatiles - M
Client Matrix:	Solid	Prep Batch: 680-78303	Lab File ID:	mf25034.d
Dilution:	10		Initial Weight/Volume:	15.17 g
Date Analyzed:	06/26/2007 0122		Final Weight/Volume:	5 mL
Date Prepared:	06/21/2007 1030		Injection Volume:	
			Column ID:	PRIMARY

MSD Lab Sample ID:	680-27416-13	Analysis Batch: 680-78788	Instrument ID:	GC SemiVolatiles - M
Client Matrix:	Solid	Prep Batch: 680-78303	Lab File ID:	mf25035.d
Dilution:	10		Initial Weight/Volume:	15.19 g
Date Analyzed:	06/26/2007 0201		Final Weight/Volume:	5 mL
Date Prepared:	06/21/2007 1030		Injection Volume:	
			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	0	0	43 - 136	NC	50	U F	U F
PCB-1260	0	0	53 - 133	NC	50	U F	U F

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	0	D	50 - 129
Tetrachloro-m-xylene	0	D	0	D	26 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-78303

Method: 8081A_8082
Preparation: 3550B

MS Lab Sample ID:	680-27416-13	Analysis Batch:	680-78788	Instrument ID:	GC SemiVolatiles - M
Client Matrix:	Solid	Prep Batch:	680-78303	Lab File ID:	mf25036.d
Dilution:	10			Initial Weight/Volume:	15.11 g
Date Analyzed:	06/26/2007 0239			Final Weight/Volume:	5 mL
Date Prepared:	06/21/2007 1030			Injection Volume:	
				Column ID:	PRIMARY

MSD Lab Sample ID:	680-27416-13	Analysis Batch:	680-78788	Instrument ID:	GC SemiVolatiles - M
Client Matrix:	Solid	Prep Batch:	680-78303	Lab File ID:	mf25037.d
Dilution:	10			Initial Weight/Volume:	15.10 g
Date Analyzed:	06/26/2007 0318			Final Weight/Volume:	5 mL
Date Prepared:	06/21/2007 1030			Injection Volume:	
				Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	0	0	29 - 116	NC	50	U F	U F
alpha-BHC	0	0	24 - 118	NC	50	U F	U F
beta-BHC	0	0	30 - 161	NC	50	U F	U F
delta-BHC	0	0	21 - 120	NC	50	U F	U F
gamma-BHC (Lindane)	0	0	30 - 121	NC	50	U F	U F
alpha-Chlordane	0	0	27 - 146	NC	50	U F	U F
gamma-Chlordane	0	0	10 - 191	NC	50	U F	U F
4,4'-DDD	0	0	34 - 162	NC	50	U F	U F
4,4'-DDE	0	0	25 - 136	NC	50	U F	U F
4,4'-DDT	0	0	14 - 134	NC	50	U F	U F
Dieldrin	0	0	41 - 128	NC	50	U F	U F
Endosulfan I	0	0	30 - 133	NC	50	U F	U F
Endosulfan II	0	0	25 - 130	NC	50	U F	U F
Endosulfan sulfate	0	0	42 - 118	NC	50	U F	U F
Endrin	0	0	30 - 135	NC	50	U F	U F
Endrin aldehyde	0	0	31 - 115	NC	50	U F	U F
Endrin ketone	0	0	43 - 132	NC	50	U F	U F
Heptachlor epoxide	0	0	30 - 123	NC	50	U F	U F
Heptachlor	0	0	32 - 130	NC	50	U F	U F
Methoxychlor	0	0	10 - 188	NC	50	U F	U F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-77405

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 680-77405/18-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/14/2007 2105
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78412
Prep Batch: 680-77405
Units: ug/Kg

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf14035.d
Initial Weight/Volume: 15.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	8.3	U	0.97	8.3
2,4-DB	8.3	U	4.0	8.3
2,4,5-T	8.3	U	2.0	8.3
2,4,5-TP (Silvex)	8.3	U	2.0	8.3
Dalapon	330	U	10	330
Dicamba	8.3	U	1.5	8.3
Dichlorprop	8.3	U	1.8	8.3
Dinoseb	100	U	14	100
MCPA	2000	U	400	2000
MCPP	2000	U	830	2000
4-Nitrophenol	33	U	7.6	33
Pentachlorophenol	8.3	U	0.98	8.3

Surrogate	% Rec	Acceptance Limits
DCAA	95	58 - 110

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-77405

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 680-77405/19-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/14/2007 2126
Date Prepared: 06/11/2007 1307

Analysis Batch: 680-78412
Prep Batch: 680-77405
Units: ug/Kg

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf14036.d
Initial Weight/Volume: 15.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	66.7	54.2	81	55 - 112	
2,4-DB	66.7	62.6	94	42 - 115	
2,4,5-T	66.7	63.4	95	52 - 113	
2,4,5-TP (Silvex)	66.7	56.5	85	52 - 110	
Dalapon	66.7	55.4	83	62 - 131	J
Dicamba	66.7	49.3	74	64 - 110	
Dichlorprop	66.7	49.3	74	59 - 110	
Dinoseb	66.7	44.1	66	19 - 110	J
MCPA	6670	5110	77	54 - 110	
MCPP	6670	7540	113	47 - 135	
Pentachlorophenol	33.3	22.0	66	56 - 110	

Surrogate	% Rec	Acceptance Limits
DCAA	93	58 - 110

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-77405

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	680-27416-13	Analysis Batch: 680-78412	Instrument ID: GC SemiVolatiles - S
Client Matrix:	Solid	Prep Batch: 680-77405	Lab File ID: sf14054.d
Dilution:	1.0		Initial Weight/Volume: 15.0 g
Date Analyzed:	06/15/2007 0342		Final Weight/Volume: 5 mL
Date Prepared:	06/11/2007 1307		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	680-27416-13	Analysis Batch: 680-78412	Instrument ID: GC SemiVolatiles - S
Client Matrix:	Solid	Prep Batch: 680-77405	Lab File ID: sf14055.d
Dilution:	1.0		Initial Weight/Volume: 15.0 g
Date Analyzed:	06/15/2007 0403		Final Weight/Volume: 5 mL
Date Prepared:	06/11/2007 1307		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-D	138	91	55 - 112	16	50	F	
2,4-DB	68	71	42 - 115	3	50		
2,4,5-T	79	82	52 - 113	36	50		
2,4,5-TP (Silvex)	75	72	52 - 110	29	50		
Dalapon	95	100	62 - 131	5	50	J	J
Dicamba	78	80	64 - 110	17	50		
Dichlorprop	78	78	59 - 110	11	50		
Dinoseb	69	50	19 - 110	2	50	J	J
MCPA	75	74	54 - 110	4	50		
MCPP	191	172	47 - 135	170	50	F	F
Pentachlorophenol	61	65	56 - 110	13	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCAA	104	105	58 - 110

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-77501

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-77501/15-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/13/2007 0248
Date Prepared: 06/12/2007 1026

Analysis Batch: 680-77643
Prep Batch: 680-77501
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	20	U	2.8	20
Antimony	2.0	U	0.21	2.0
Arsenic	1.0	U	0.33	1.0
Barium	1.0	U	0.35	1.0
Beryllium	0.40	U	0.055	0.40
Cadmium	0.50	U	0.041	0.50
Calcium	50	U	3.0	50
Chromium	1.0	U	0.16	1.0
Cobalt	1.0	U	0.092	1.0
Copper	2.0	U	0.22	2.0
Iron	5.0	U	1.8	5.0
Lead	0.34	J	0.19	0.50
Magnesium	50	U	0.62	50
Manganese	1.0	U	0.22	1.0
Nickel	4.0	U	0.16	4.0
Potassium	100	U	3.6	100
Selenium	2.5	U	0.20	2.5
Silver	1.0	U	0.040	1.0
Sodium	100	U	76	100
Thallium	2.5	U	0.47	2.5
Vanadium	1.0	U	0.18	1.0
Zinc	2.0	U	0.36	2.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Lab Control Spike - Batch: 680-77501

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-77501/16-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/13/2007 0253
Date Prepared: 06/12/2007 1026

Analysis Batch: 680-77643
Prep Batch: 680-77501
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	204	102	75 - 125	
Antimony	50.0	45.2	90	75 - 125	
Arsenic	200	184	92	75 - 125	
Barium	200	200	100	75 - 125	
Beryllium	5.00	4.87	97	75 - 125	
Cadmium	5.00	4.63	93	75 - 125	
Calcium	500	510	102	75 - 125	
Chromium	20.0	19.6	98	75 - 125	
Cobalt	50.0	49.1	98	75 - 125	
Copper	25.0	25.8	103	75 - 125	
Iron	109	107	98	75 - 125	
Lead	50.0	48.1	96	75 - 125	
Magnesium	500	485	97	75 - 125	
Manganese	50.0	52.2	104	75 - 125	
Nickel	50.0	47.8	96	75 - 125	
Potassium	500	464	93	75 - 125	
Selenium	200	183	91	75 - 125	
Silver	5.00	4.80	96	75 - 125	
Sodium	500	462	92	75 - 125	
Thallium	200	190	95	75 - 125	
Vanadium	50.0	50.4	101	75 - 125	
Zinc	50.0	49.6	99	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-77501

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-27416-13	Analysis Batch:	680-77643	Instrument ID:	ICP/AES
Client Matrix:	Solid	Prep Batch:	680-77501	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	06/13/2007 0423			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

MSD Lab Sample ID:	680-27416-13	Analysis Batch:	680-77643	Instrument ID:	ICP/AES
Client Matrix:	Solid	Prep Batch:	680-77501	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	06/13/2007 0428			Final Weight/Volume:	100 mL
Date Prepared:	06/12/2007 1026				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	801	712	75 - 125	3	20	4	4
Antimony	81	83	75 - 125	2	20		
Arsenic	88	90	75 - 125	2	20		
Barium	97	100	75 - 125	1	20		
Beryllium	92	94	75 - 125	2	20		
Cadmium	86	90	75 - 125	5	20		
Calcium	-235	121	75 - 125	14	20	4	4
Chromium	96	106	75 - 125	7	20		
Cobalt	92	93	75 - 125	1	20		
Copper	105	110	75 - 125	3	20		
Iron	-118	695	75 - 125	8	20	4	4
Lead	93	98	75 - 125	4	20		
Magnesium	23	51	75 - 125	3	20	4	4
Manganese	32	298	75 - 125	37	20	4	4
Nickel	90	92	75 - 125	1	20		
Potassium	115	112	75 - 125	1	20		
Selenium	87	89	75 - 125	2	20		
Silver	92	94	75 - 125	2	20		
Sodium	91	90	75 - 125	1	20		
Thallium	85	87	75 - 125	2	20		
Vanadium	100	100	75 - 125	0	20		
Zinc	90	104	75 - 125	9	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-77684

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 680-77684/22-AA	Analysis Batch:	680-78043	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-77684	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	06/15/2007 1132			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	Result	Qual	MDL	RL
Mercury	0.020	U	0.0040	0.020

Lab Control Spike - Batch: 680-77684

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 680-77684/23-AA	Analysis Batch:	680-78043	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-77684	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	06/15/2007 1134			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.125	0.121	97	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-77684

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	680-27416-13	Analysis Batch:	680-78043	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-77684	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	06/15/2007 1559			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

MSD Lab Sample ID:	680-27416-13	Analysis Batch:	680-78043	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-77684	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	06/15/2007 1602			Final Weight/Volume:	50 mL
Date Prepared:	06/13/2007 1554				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	62	111	80 - 120	37	20	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Method Blank - Batch: 680-77757

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 680-77757/1-AA	Analysis Batch:	680-77884	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	680-77757	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	06/15/2007 0903			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2007 1000				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.50	U	0.25	0.50

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 680-77757

Method: 9012A
Preparation: 9012A

LCS Lab Sample ID:	LCS 680-77757/2-AA	Analysis Batch:	680-77884	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	680-77757	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	06/15/2007 0904			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2007 1000				

LCSD Lab Sample ID:	LCSD 680-77757/3-AA	Analysis Batch:	680-77884	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	680-77757	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	06/15/2007 0904			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2007 1000				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cyanide, Total	96	99	75 - 125	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg Number: SQUC01

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-77757

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	680-27416-13	Analysis Batch:	680-77884	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	680-77757	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	06/15/2007 0918			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2007 1000				

MSD Lab Sample ID:	680-27416-13	Analysis Batch:	680-77884	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	680-77757	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	06/15/2007 0920			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2007 1000				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	67	94	75 - 125	33	30	F	F

Duplicate - Batch: 680-77757

Method: 9012A
Preparation: 9012A

Lab Sample ID:	680-27416-1	Analysis Batch:	680-77884	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	680-77757	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.02 g
Date Analyzed:	06/15/2007 0907			Final Weight/Volume:	50 mL
Date Prepared:	06/14/2007 1000				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cyanide, Total	0.59	U	0.182	NC	30	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

CSX TRANSPORTATION

CHAIN OF CUSTODY

LABORATORY INFORMATION

- [x] STL Savannah – 5102 LaRoche Avenue, Savannah, GA 31404 P: 912-354-7858 F: 912-352-0165
- [ ] STL North Canton – 4101 Shuffel Drive NW, North Canton, OH 44720 P: 330-497-9396 F: 330-497-0772
- [ ] STL Tampa – 6712 Benjamin Road, Suite 100, Tampa, FL 33634 P: 813-885-7427 F: 813-885-7049
- [ ] STL Pensacola – 3355 McLemore Drive, Pensacola, FL 32514 P: 850-474-1001 F: 850-478-2671
- [ ] STL Buffalo – 10 Hazelwood Drive, Suite 106, Amherst, NY 14228 P: 716-691-2600 F: 716-691-7991
- [ ] STL Chicago – 2417 Bond Street, University Park, IL 60466 P: 708-534-5200 F: 708-534-5211

COC #

SHIPMENT INFORMATION

Shipment Method: FedEx

Shipment Tracking No:

CSXT PROJECT INFORMATION

Proj. State (State of Origin): L

CSXT Project Number: 043-96670

Proj. City:

CSXT Project Name: SOLUTIA QUEENY UTILITY CORRIDOR

CSXT Contact: Mike Lemon

LWON:

CONSULTANT INFORMATION

Project #:

Company: Golder

PM: Rick Booth

Address: 820 S. Main St. Suite 100

Email: rbooth@golder.com

City, State, Zip: St. Charles MO 63301

Phone: 636-724-9191

Fax:

Turnaround Time:
- [ ] 1 Day Rush
- [ ] 2 Day Rush
- [ ] 3 Day Rush
- [ ] Standard 6-13 Days
- Specify # Days _____
- [x] Standard 14 Days
- [ ] Other _____

Preservative Codes:
0 = No Preservatives
1 = Hydrochloric Acid
2 = Nitric Acid
3 = Sulfuric Acid
4 = Sodium Thiosulfate
5 = Sodium Hydroxide
6 = Other _____

Deliverables:
- [ ] CSXT Standard (Level II)
- [x] Level III
- [ ] Level IV
- [ ] Other Deliv: _____
- [ ] EDD Required, Format: _____

Matrix Codes:
GW = Groundwater
WW = Waste Water
SW = Surface Water
SO = Soil
SL = Sludge
OI = Oil
SOL = Other Solid
LIQ = Liquid

SAMPLE INFORMATION

METHODS FOR ANALYSIS

Sample Identification	Containers Number & Type	Sample Collection Date	Time	Sampler	Filtered Y or N	Type Comp or Grab	Matrix Code	VOC 8260B	SVOC 8270C	Metals 6010B	Mercury 7471	Cyanide 9010B/9012	Pesticides 8081A	Herbicides 8151A	PCBs 8082	Dioxins 8280A	COMMENTS	LAB USE
QUEENY-8-4-6.9	9	6/7/07	1515	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY-7-4-8	9	6/7/07	1450	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY-6-4-8	9	6/7/07	1415	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY-5-4-8	9	6/7/07	1350	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY-4-1.8-8	9	6/7/07	1310	MSL		G	SO	X	X	X	X	X	X		X	X		
QUEENY-4-8-12	9	6/7/07	1330	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY-3-4-8	9	6/7/07	1215	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY-3-8-15	9	6/7/07	1230	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY 3-0-4	9	6/7/07	1210	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY 2-4-8	9	6/7/07	1140	MSL		G	SO	X	X	X	X	X	X	X	X	X		

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	6/7/07 2000	[signature]	060307 0904
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Received By Laboratory:	Date/Time:	Lab Remarks:	LAB USE. Custody Intact [ ] Yes [ ] No

Comments & Special Analytical Requirements:

Custody Seal #

LAB Log Number #

ORIGINAL – RETURN TO LABORATORY WITH SAMPLES

Rev. 5/22/06

INVOICE MUST BE DELIVERED WITH ORIGINAL COC AND FINAL REPORT TO CONSULTANT

680-27416

CSX TRANSPORTATION

CHAIN OF CUSTODY

LABORATORY INFORMATION

- ☒ STL Savannah – 5102 LaRoche Avenue, Savannah, GA 31404 P: 912-354-7858 F: 912-352-0165
- ☐ STL North Canton – 4101 Shuffel Drive NW, North Canton, OH 44720 P: 330-497-9396 F: 330-497-0772
- ☐ STL Tampa – 6712 Benjamin Road, Suite 100, Tampa, FL 33634 P: 813-885-7427 F: 813-885-7049
- ☐ STL Pensacola – 3355 McLemore Drive, Pensacola, FL 32514 P: 850-474-1001 F: 850-478-2671
- ☐ STL Buffalo – 10 Hazelwood Drive, Suite 106, Amherst, NY 14228 P: 716-691-2600 F: 716-691-7991
- ☐ STL Chicago – 2417 Bond Street, University Park, IL 60466 P: 708-534-5200 F: 708-534-5211

COC #

SHIPMENT INFORMATION

Shipment Method: Fed EX

Shipment Tracking No:

CSXT PROJECT INFORMATION

Proj. State (State of Origin): IL

CSXT Project Number: 043-9670

Proj. City:

CSXT Project Name: SOLUTIA QUEENY UTILITY CORRIDOR

CSXT Contact: Mike Lemon

LWON:

CONSULTANT INFORMATION

Project #:

Company: Golder

PM: Rick Booth

Address: 820 S. Main St. Suite 100

Email: rbooth@golder.com

City, State, Zip: St. Charles MO 63301

Phone: 636-724-9191

Fax:

Turnaround Time:
- ☐ 1 Day Rush
- ☐ 2 Day Rush
- ☐ 3 Day Rush
- ☐ Standard 6-13 Days
- Specify # Days _____
- ☒ Standard 14 Days
- ☐ Other _____

Preservative Codes:
0 = No Preservatives
1 = Hydrochloric Acid
2 = Nitric Acid
3 = Sulfuric Acid
4 = Sodium Thiosulfate
5 = Sodium Hydroxide
6 = Other _____

Deliverables:
- ☐ CSXT Standard (Level II)
- ☒ Level III
- ☐ Level IV
- ☐ Other Deliv: _____
- ☐ EDD Required, Format: _____

Matrix Codes:
GW = Groundwater
WW = Waste Water
SW = Surface Water
SO = Soil
SL = Sludge
OI = Oil
SOL = Other Solid
LIQ = Liquid

SAMPLE INFORMATION

Sample Identification	Containers Number & Type	Sample Collection Date	Time	Sampler	Filtered Y or N	Type Comp or Grab	Matrix Code	VOCs 8260B	SVOCs 8270C	Metals 6010B	Mercury 7471	Cyanide 9010B/9012B	Pesticides 8081A	Herbicides 8151A	PCBs 8082	Dioxins 8280A	COMMENTS	LAB USE
QUEENY-2-8-16	9	6/7/07	1205	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY-1-4-8	9	6/7/07	1110	MSL		G	SO	X	X	X	X	X	X	X	X	X		
QUEENY-1-8-15	9	6/7/07	1135	MSL		G	SO	X	X	X	X	X	X	X	X	X		
Duplicate	9	6/7/07	—	MSL		G	SO	X	X	X	X	X	X	X	X	X		
MS	9	6/7/07	—	MSL		G	SO	X	X	X	X	X	X	X	X	X		
MSD	9	6/7/07	—	MSL		G	SO	X	X	X	X	X	X	X	X	X		
Trip Blank	3	6/7/07	—	MSL		G	water	X										
																	600-27416	

TEMP. 1.6/1.1/3.2 1.1

Relinquished By:	Date/Time:	Received By:	Date/Time:
Michael S. Lemon	6/7/07 2000	[illegible]	060807 0900
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Received By Laboratory:	Date/Time:	Lab Remarks:	LAB USE: Custody Intact ☐ Yes ☐ No

Comments & Special Analytical Requirements:

Custody Seal #

LAB Log Number

ORIGINAL – RETURN TO LABORATORY WITH SAMPLES

Rev. 5/22/06

INVOICE MUST BE DELIVERED WITH ORIGINAL COC AND FINAL REPORT TO CONSULTANT

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Solutia Inc.

Job Number: 680-27416-1
Sdg.Number: SQUC01

Login Number: **27416**

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	MS/MSD not identified; client contacted for ID.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	Limited sample rec'd for lab ID -1, -5, -6, -7, -10, -11 and -12.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	NA	
Samples do not require splitting or compositing.	False	Subsampled for dioxin analysis in STL Sacramento.